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TABLES AND CHARTS

OF EQUILIBRIUM

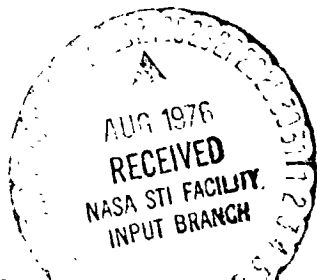
THERMODYNAMIC PROPERTIES

OF AMMONIA FOR

TEMPERATURES FROM

500 TO 50 000 K

SIMMONDS, MILLER, and NEALY



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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Prepared by Langley Research Center



PREFACE

Equilibrium thermodynamic properties for pure ammonia were generated with a method based on minimization of the Gibbs free energy and are presented in tabulated and graphical form for a range of temperature from 500 to 50 000 K and pressure from 0.01 to 40 MN/m². Properties include pressure, temperature, density, enthalpy, speed of sound, entropy, molecular-weight ratio, specific heat at constant pressure, specific heat at constant volume, isentropic exponent, and species mole fractions.

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SUMMARY

Equilibrium thermodynamic properties for pure ammonia were generated for a range of temperature from 500 to 50 000 K and pressure from 0.01 to 40 MN/m² and are presented in tabulated and graphical form. Properties include pressure, temperature, density, enthalpy, speed of sound, entropy, molecular-weight ratio, specific heat at constant pressure, specific heat at constant volume, isentropic exponent, and species mole fractions.

These properties were calculated by the method of NASA TN D-3538 and NASA TN D-3540 which is based on minimization of the Gibbs free energy. The data presented herein are for an 18-species (e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , H^+ , H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++}) ammonia model. Heats of formation and spectroscopic constants used as input data are presented. Comparison of several thermodynamic properties calculated with the present program and a second computer code is performed for a range of pressure and for temperatures up to 30 000 K.

INTRODUCTION

Arc-driven shock tubes have played a major role in establishing a data base for determining the thermochemical environment about vehicles entering the atmospheres of Earth, Mars, and Venus. This was achieved by generating high-velocity incident shock waves into quiescent test gases representative of model atmospheres for the various planets. In so doing, gas properties behind the normal portion of the bow shock about a blunt entry vehicle were simulated. With the recent shift in interest toward entry into the atmospheres of the outer planets came a more severe velocity simulation requirement leading to continued efforts to increase the performance of arc-driven shock tubes. One concept currently under study is the use of ammonia NH_3 as the driver gas to increase arc stability and thereby improve shock-tube performance (ref. 1). Naturally, study of such a concept requires knowledge of the thermodynamic properties of ammonia at high temperatures.

The purpose of the present study is to provide a convenient source of engineering estimates of thermochemical equilibrium properties, including mole fractions, of pure ammonia for temperatures up to 50 000 K and a range of pressure from 0.01 to 40 MN/m². The present data are generated by the method of references 2 and 3, which is based upon minimization of the Gibbs free energy. The species used in the ammonia model are e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , H^+ , H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++} .

Thermodynamic properties and mole fractions are presented in tabulated and graphical form. Because of the importance of accurate heat-of-formation and spectroscopic-constant input data for the individual species used in the free-energy minimization procedure, these input data for the 18-species ammonia model are presented in an appendix.

The lack of plots or tabulations of high-temperature thermodynamic properties for pure ammonia in the open literature prevented a comparison of the present results with previously calculated properties. Therefore, several thermodynamic properties (density, enthalpy, entropy, and molecular weight) for high-temperature ammonia generated with the present 18-species model are compared for several pressures with those generated by the computational scheme of reference 4. Such a comparison is of interest in a study of this nature since it illustrates the magnitude of discrepancies that exists between various computational schemes, and thereby suggests the magnitude of errors that may exist in the calculated properties.

SYMBOLS

a	speed of sound, m/sec
c_p	specific heat at constant pressure, kJ/kg-K
c_v	specific heat at constant volume, kJ/kg-K
h	specific enthalpy, J/kg
p	pressure, N/m ²
R	universal gas constant, 8.31434 kJ/kmol-K
s	specific entropy, kJ/kg-K
T	temperature, K
W	molecular weight, kg/kmol
W_0	molecular weight of undissociated ammonia, 17.032 kg/kmol
Z	compressibility factor

- Z^* molecular-weight ratio, $\frac{W_0}{W}$
- $\gamma_{\bar{E}}$ isentropic exponent, $\left(\frac{\partial \log p}{\partial \log \rho}\right)_s$
- ρ density, kg/m^3

Subscript:

- o reference value

CONVERSION FACTORS AND CONSTANTS

Conversion factors (ref. 5) between the International System of Units (SI) and U.S. Customary Units for the quantities presented in the present tables and charts are

$$1 \text{ N/m}^2 = 9.8692 \times 10^{-6} \text{ atm} = 1.4504 \times 10^{-4} \text{ psi} = 2.0885 \times 10^{-2} \text{ lbf/ft}^2$$

$$1 \text{ kg/m}^3 = 6.2428 \times 10^{-2} \text{ lbm/ft}^3 = 1.9403 \times 10^{-3} \text{ slug/ft}^3$$

$$1 \text{ J/kg} = 1 \text{ m}^2/\text{sec}^2 = 10.764 \text{ ft}^2/\text{sec}^2 = 4.3021 \times 10^{-4} \text{ Btu/lbm}$$

$$1 \text{ m/sec} = 3.2808 \text{ ft/sec} = 2.2369 \text{ mph}$$

Physical constants are used herein to present thermodynamic properties in nondimensional form. These physical constants are

$$p_0 = 101.325 \text{ kN/m}^2$$

$$T_0 = 405.55 \text{ K}$$

$$W_0 = 17.032 \text{ kg/kmol}$$

$$\rho_0 = 0.5118 \text{ kg/m}^3$$

$$a_0 = 479.23 \text{ m/sec}$$

The quantities ρ_0 and a_0 correspond to the quantities p_0 , T_0 , and w_0 , where T_0 is equal to the critical temperature of ammonia and w_0 represents the undissociated molecular weight of ammonia. Note that for the given reference values of p_0 and T_0 , ammonia is dissociated and the molecular weight is approximately 12.8 kg/kmol.

COMPUTATION OF THERMODYNAMIC PROPERTIES

The thermochemical equilibrium procedure of references 2 and 3, which is based upon minimization of the Gibbs free energy, was used to generate the present results. Dissociation and first, second, third, and fourth ionization are included. Basic assumptions are

- (1) The mixture is composed of ideal gases (intermolecular force effects are neglected).
- (2) For diatomic species, the rigid-rotor harmonic-oscillator model is used with vibrational-rotational corrections.
- (3) Only electronic levels with principal quantum number less than or equal to 5 are included.

For each given pressure and temperature combination, the free energies for individual species are computed from partition functions of statistical mechanics. The equilibrium composition is then obtained by minimization of the free energy. Corrections for effects of intermolecular forces and coulomb interactions are not included in the present calculations. Originally, 19 species were considered for the ammonia model, these being e^- , NH_3 , NH_2 , NH , NH^+ , N_2H_2 , H , H_2 , H_2^+ , H^+ , H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++} . A lack of required input data for the species NH^+ resulted in its being omitted. Although the species N^- was included in the present ammonia model, it should be noted (ref. 6) that the existence of the N^- ion has yet to be definitely established and has been the subject of much controversy. Spectroscopic constants and heats of formation for these 18 species are obtained from references 7, 8, 9, and 10. Because of the importance of these data for accurate determination of thermodynamic properties and species mole fractions, these input data are presented in the appendix for the 18-species model.

For the present study, iterations on the species concentration (number of kilomoles of a species per mass of mixture) were continued until the absolute value of each concentration changed by less than 10^{-12} between successive iterations. This iterative criterion is referred to in reference 2 as the absolute criterion. A relative criterion was also employed to prevent termination of the iterations while a minor species was still changing by as much as 0.1 of its previous value.

Accuracies associated with the procedure of references 2 and 3 for gases other than ammonia are discussed in reference 3. In the comparison of reference 3 for real air,

first-order thermodynamic properties ρ , s , h , and Z^* agreed with more rigorous calculations to within 1 percent and second-order properties a , c_p , c_v , and γ_E to within 5 percent for $T \leq 15\,000$ K and $p/p_0 \leq 100$. Similar comparisons performed for carbon dioxide in reference 11 revealed that the method of references 2 and 3 yielded first-order properties to within 2 percent for $T \leq 25\,000$ K and $p/p_0 \leq 100$. At high temperatures, ammonia exists primarily as ionized hydrogen and nitrogen species. Input data for the nitrogen species N , N^+ , and N^{++} are believed to be accurate since they have been involved in the comparisons of reference 3; those for the hydrogen species are believed to be accurate on the basis of comparisons made with the tabulations of reference 10.

The lack of thermodynamic properties and mole fractions for high-temperature ammonia in the open literature prevented comparison of the present computations with a documented source. However, a second computational method (ref. 4), based on curve fits to the results of reference 9, was used to generate properties for ammonia. A 14-species ammonia model (the same species as the present ammonia model without H_2^+ , N^- , N^{+++} , and N^{++++}) was used in this second method. Most of the curve fits for this second method were applicable only to temperatures up to 6000 K, although the fits applied to the species N_2^+ , N^+ , and N^{++} were extended to a temperature of 10 000 K. Because of the simplicity of the second method, resulting in relatively little computer time required to generate thermodynamic properties, it is often used to determine engineering estimates of flow quantities in the shock layer about hypervelocity entry vehicles in the atmosphere of inner and outer planets.

Thermodynamic properties – density ρ , enthalpy h , entropy s , and molecular-weight ratio Z^* – generated with both the present method and the simpler method of reference 4 are compared in figure 1 for a range of temperature and for pressures p/p_0 equal to 0.1, 1.0, 10, and 100. In figure 1, percent difference between the two methods for a given thermodynamic property is plotted as a function of temperature for the four values of pressure. The temperature range for this comparison is 1000 K to 30 000 K. This temperature range was chosen since at temperatures above 30 000 K, the agreement between the two procedures rapidly worsened, particularly for the lowest value of pressure. This increase in the difference between the methods is attributed to the fact that the simpler method of reference 4 included only second ionization of atomic nitrogen and is viewed as erroneous. (As will be observed subsequently, N^{+++} becomes a significant contributor at the higher temperatures.) The agreement between the two methods for s at all four values of p/p_0 and for ρ and Z^* at $p/p_0 \leq 10$ is excellent (within 1 percent) over the present temperature range. For $p/p_0 = 100$, the agreement between the methods for ρ and Z^* worsens somewhat, but is still good (within 3 percent). For enthalpy h and temperatures in excess of 5000 K, the agreement between the two methods is within approximately 2 percent for all values of p/p_0 considered. However, at temperatures less than 5000 K, the agreement is poorer, being as high as 8 percent. A pos-

sible contributor to this poorer agreement for enthalpy at $T < 5000$ K is the difficulty in obtaining accurate curve fits at the lower temperatures in reference 4. (Most of the curve fits employed in the method of reference 4 for the various species were obtained for two temperature ranges, the first being from 500 K to 3000 K and the second being from 3000 K to 6000 K. At the lower temperatures, specific heat at constant pressure (the parameter curve fitted) varies with temperature much more than at higher temperatures, and is therefore less amenable to accurate curve fitting with simple expressions.) Overall, the agreement between the two methods for the properties and range of conditions displayed in figure 1 is good.

As mentioned previously, the method of references 2 and 3 does not consider intermolecular force effects. To warn the user of combinations of the input parameters p and T which would correspond to compressibility factors Z much different from unity at low temperatures, the values of compressibility factor calculated and tabulated in reference 12 for pure ammonia were used to generate figure 2, where temperature is plotted as a function of pressure p/p_0 and the solid line denotes Z equal to unity. For combinations of pressure and temperature which occur in the shaded region of figure 2, intermolecular force effects on calculated thermodynamic properties for ammonia are expected to be significant. (That is, at the lower values of temperature, values of pressure which yield compressibility factors that deviate from unity by more than 1 percent are denoted in fig. 2 by the shaded area.) Thus, combinations of p and T in this region should be used with discretion.

TABLES

In table I, equilibrium thermodynamic properties for ammonia, calculated with the 18-species ammonia model, are presented for a range of pressure p/p_0 from 0.1 to 400 and are arranged in groups of constant pressure. The temperature is varied within the group in increments of 100 K for temperatures from 500 K to 5000 K, 200 K for temperatures from 5000 K to 10 000 K, and 1000 K for temperatures from 10 000 K to 50 000 K. The columns of each tabulation, for a given p/p_0 , are identified by letters (FORTRAN symbols) which are defined in terms of the symbols adopted in this report in the following table:

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FORTTRAN symbol	Thermodynamic property
P/PO	p/p_0
T	T
RHO/RHO-O	ρ/ρ_0
H/RTO	hW_0/RT_0
S/R	sW_0/R
A/AO	a/a_0
Z	Z^*
CP/R	$c_p W_0/R$
CV/R	$c_v W_0/R$
GAMMA	γ_E

Constants used to nondimensionalize these thermodynamic properties are given in the sections "Symbols" and "Conversion Factors and Constants." Mole fractions corresponding to the thermodynamic properties tabulated in table I for various values of p/p_0 are presented in table II. Mole fractions for all 18 species were computed for each combination of pressure and temperature. Headings of the columns of each tabulation, for a given p/p_0 , identify the 18 species by FORTTRAN symbols. Note in table II that mole fractions for species e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , and H^+ are presented on the left-hand page for $500\text{ K} < T < 50\,000\text{ K}$, and mole fractions corresponding to the same pressure and range of temperature for species H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++} are presented on the adjacent right-hand page. As can be observed from these mole fractions over the present range of pressure and temperature, several species with mole fractions less than approximately 10^{-3} , such as NH_2 , N_2H_2 , H_2^+ , H^- , N_2^+ , N^- , and N^{++++} , may be omitted from the initial 18-species model with no sacrifice in accuracy in calculated thermodynamic properties. This fact is more clearly observed in the figures to be discussed subsequently.

CHARTS

Charts illustrating computed thermodynamic properties and mole fractions (corresponding to tables I and II, respectively) are presented in figures 3 and 4, respectively. In these figures, thermodynamic properties and mole fractions are plotted as a function of temperature between 500 and 50 000 K for pressures p/p_0 equal to 0.1, 1.0, 10, and 100. In figure 3, thermodynamic properties which intersected for the four pressures are denoted by different types of curves to provide for more accurate reading as a function of temperature. In figure 4, the same format as was employed in table II is used; that is, for a given pressure p/p_0 , the species e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , and H^+ are plotted on the left-hand page for $500\text{ K} < T < 50\,000\text{ K}$ and the species H^- , N , N_2 , N_2^+ , N^+ ,

N^- , N^{++} , N^{+++} , and N^{++++} are plotted on the right-hand page for $500 \text{ K} < T < 50\,000 \text{ K}$. Only values of mole fractions for individual species exceeding 10^{-6} are plotted. From figure 4, it is observed that for the pressure range of p/p_0 from 0.1 to 100 and temperatures exceeding approximately 12 000 K, contributing species to the calculation of thermodynamic properties of ammonia have decreased to seven, these being e^- , H, H^+ (protons), N, N^+ , N^{++} , and N^{+++} .

CONCLUDING REMARKS

Equilibrium thermodynamic properties and species mole fractions for pure ammonia are presented in tabulated and graphical form for a range of temperature from 500 K to 50 000 K and pressure from 0.01 to 40 MN/m². Properties include density, enthalpy, speed of sound, entropy, molecular-weight ratio, specific heat at constant pressure, specific heat at constant volume, isentropic exponent, and species mole fractions. These results were generated by the method of NASA TN D-3538 and NASA TN D-3540, which is based on free-energy minimization. The data presented herein were calculated with an 18-species (e^- , NH_3 , NH_2 , NH , N_2H_2 , H, H_2 , H_2^+ , H^+ , H^- , N, N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++}) ammonia model. For the range of pressure and temperature of this study, species NH_2 , N_2H_2 , H_2^+ , H^- , N_2^+ , N^- , and N^{++++} are trace species and may be omitted with no sacrifice in accuracy in calculated thermodynamic properties. A comparison of several thermodynamic properties computed by the present procedure with those computed by a second method is presented for pressures from 0.01 to 10 MN/m² and temperatures up to 30 000 K. This comparison showed that the maximum differences in density, entropy, and molecular-weight ratio from the two methods were 3 percent and in enthalpy, 8 percent; for temperatures in excess of 5000 K, the maximum difference in enthalpy was 2 percent.

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APPENDIX

SPECTROSCOPIC CONSTANTS AND HEATS OF FORMATION FOR 18-SPECIES AMMONIA MODEL

The accuracy associated with the computation of thermodynamic properties and species mole fractions using the free-energy minimization method of references 2 and 3 is dependent upon the spectroscopic-constant and heat-of-formation input data. Because of the importance of such input data, a tabulation of these data for the 18-species ammonia model (e^- , NH_3 , NH_2 , NH , N_2H_2 , H , H_2 , H_2^+ , H^+ , H^- , N , N_2 , N_2^+ , N^+ , N^- , N^{++} , N^{+++} , and N^{++++}) used in the computations herein is presented in this appendix. It should be noted that electrons e^- are treated as atomic species. The internal partition function for an electron considers the spin degeneracy. Thus, the electron has a "ground-state" degeneracy of 2 and no electronic excitation states. Protons H^+ are also treated as atomic species, and although the proton possesses a nuclear spin of 1/2 (the same value as the spin for an electron), this nuclear spin is ignored (that is, the degeneracy is entered as unity) in the method of references 2 and 3 for reasons discussed in reference 13. Input data for the controversial species N^- were obtained from reference 10. The tabulation of input data for the present 18-species ammonia model is as follows:

APPENDIX

INPUT DATA FOR 18-SPECIES AMMONIA MODEL

Species	Number of electronic levels considered	Molecular weight, kg/kmole	Heat of formation at 0 K, ergs/mol	Symmetry number	Spectroscopic constants, cm ⁻¹			Maximum vibrational quantum number
					Rotational	Vibrational-rotational	Anharmonic vibrational	
e ⁻	1	0.00054905	0	0	0	0	0	
NH ₃	1	17.03200	-3.919030 × 10 ¹¹	3	17.3565	0	0	
NH ₂	1	16.02264	1.708000 × 10 ¹²	3	21.4000	0	0	
NH	4	15.01600	3.300000 × 10 ¹²	1	16.6670	0.8460	86.50	
					16.5370	.1700	3186.00	
					16.4000	0	3480.00	
					16.6927	.7440	3232.50	
N ₂ H ₂	1	30.02934	2.202000 × 10 ¹²	6	33.9050	0	0	
H	6	1.00797	2.1597808 × 10 ¹²	0	0	0	0	
H ₂	1	2.01594	0	2	60.8100	2.9900	117.90	
H ₂ ⁺	1	2.01539	1.4884162 × 10 ¹³	2	29.8000	1.4000	62.00	
H ⁺	1	1.00742	1.5272855 × 10 ¹³	0	0	0	0	
H ⁻	16	1.00852	1.4392960 × 10 ¹²	0	0	0	0	
N	30	14.00800	4.7072900 × 10 ¹²	0	0	0	0	
N ₂	6	28.01600	0	2	1.9980	0.0170	14.19	
					1.4400	.0130	1460.37	
					1.6380	.0184	1734.11	
					1.6182	.0183	1693.70	
					1.4800	.0164	1530.00	
					1.8258	.0197	2035.10	
N ₂ ⁺	4	28.01500	1.5033360 × 10 ¹³	2	1.9322	0.0202	16.22	
					1.7220	.0180	1902.84	
					2.0830	.0195	2419.84	
					1.6500	.0500	2050.00	
N ⁺	30	14.00745	1.8726070 × 10 ¹³	0	0	0	0	
N ⁻	30	14.00725	4.8530216 × 10 ¹²	0	0	0	0	
N ⁺⁺	30	14.00690	4.7286300 × 10 ¹³	0	0	0	0	
N ⁺⁺⁺	23	14.00635	9.3062620 × 10 ¹³	0	0	0	0	
N ⁺⁺⁺⁺	14	14.00580	1.6778063 × 10 ¹⁴	0	0	0	0	

^aThese entries do not correspond exactly to the spectroscopic constants for these polyatomic species, but are the values used as parameters in approximate partition functions for these species.

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TABLE I. - NONDIMENSIONAL EQUILIBRIUM THERMODYNAMIC
 PROPERTIES FOR AMMONIA

P/PC = 1.00E-01

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	4.096E-02	8.245E+00	4.421E+01	1.665E+00	1.980E+00	9.884E+00	7.430E+00	1.318E+00
6.000E+02	3.384E-02	1.025E+01	4.569E+01	1.877E+00	1.997E+00	7.372E+00	5.323E+00	1.303E+00
7.000E+02	2.898E-02	1.204E+01	4.681E+01	2.031E+00	1.999E+00	7.190E+00	5.189E+00	1.303E+00
8.000E+02	2.535E-02	1.382E+01	4.778E+01	2.168E+00	2.000E+00	7.233E+00	5.231E+00	1.303E+00
9.000E+02	2.253E-02	1.561E+01	4.863E+01	2.295E+00	2.000E+00	7.307E+00	5.307E+00	1.377E+00
1.000E+03	2.028E-02	1.743E+01	4.941E+01	2.414E+00	2.000E+00	7.396E+00	5.396E+00	1.371E+00
1.100E+03	1.843E-02	1.924E+01	5.012E+01	2.526E+00	2.000E+00	7.491E+00	5.491E+00	1.364E+00
1.200E+03	1.690E-02	2.113E+01	5.078E+01	2.632E+00	2.000E+00	7.590E+00	5.590E+00	1.358E+00
1.300E+03	1.560E-02	2.310E+01	5.139E+01	2.733E+00	2.000E+00	7.690E+00	5.690E+00	1.352E+00
1.400E+03	1.448E-02	2.493E+01	5.197E+01	2.830E+00	2.000E+00	7.793E+00	5.792E+00	1.345E+00
1.500E+03	1.352E-02	2.687E+01	5.251E+01	2.922E+00	2.000E+00	7.907E+00	5.905E+00	1.339E+00
1.600E+03	1.267E-02	2.884E+01	5.305E+01	3.010E+00	2.000E+00	8.048E+00	6.043E+00	1.332E+00
1.700E+03	1.193E-02	3.086E+01	5.352E+01	3.092E+00	2.000E+00	8.252E+00	6.239E+00	1.323E+00
1.800E+03	1.126E-02	3.253E+01	5.400E+01	3.167E+00	2.001E+00	8.572E+00	6.542E+00	1.310E+00
1.900E+03	1.066E-02	3.512E+01	5.448E+01	3.233E+00	2.002E+00	9.091E+00	7.027E+00	1.293E+00
2.000E+03	1.012E-02	3.746E+01	5.497E+01	3.291E+00	2.004E+00	9.923E+00	7.798E+00	1.271E+00
2.100E+03	9.615E-03	4.007E+01	5.549E+01	3.342E+00	2.309E+00	1.122E+01	8.987E+00	1.246E+00
2.200E+03	9.147E-03	4.307E+01	5.605E+01	3.390E+00	2.015E+00	1.316E+01	1.075E+01	1.219E+00
2.300E+03	8.701E-03	4.665E+01	5.670E+01	3.440E+00	2.026E+00	1.595E+01	1.326E+01	1.195E+00
2.400E+03	8.273E-03	5.105E+01	5.746E+01	3.499E+00	2.043E+00	1.982E+01	1.670E+01	1.174E+00
2.500E+03	7.843E-03	5.655E+01	5.837E+01	3.568E+00	2.068E+00	2.499E+01	2.122E+01	1.158E+00
2.600E+03	7.414E-03	6.352E+01	5.948E+01	3.652E+00	2.104E+00	3.165E+01	2.693E+01	1.147E+00
2.700E+03	6.978E-03	7.232E+01	6.082E+01	3.753E+00	2.153E+00	3.990E+01	3.383E+01	1.140E+00
2.800E+03	6.531E-03	8.334E+01	6.245E+01	3.872E+00	2.218E+00	4.965E+01	4.173E+01	1.136E+00
2.900E+03	6.077E-03	9.691E+01	6.438E+01	4.011E+00	2.301E+00	6.049E+01	5.022E+01	1.134E+00
3.000E+03	5.623E-03	1.132E+02	6.662E+01	4.171E+00	2.404E+00	7.149E+01	5.852E+01	1.135E+00
3.100E+03	5.179E-03	1.321E+02	6.913E+01	4.350E+00	2.526E+00	8.113E+01	6.551E+01	1.137E+00
3.200E+03	4.747E-03	1.529E+02	7.181E+01	4.545E+00	2.662E+00	8.746E+01	6.984E+01	1.141E+00
3.300E+03	4.382E-03	1.747E+02	7.454E+01	4.749E+00	2.805E+00	8.870E+01	7.036E+01	1.146E+00
3.400E+03	4.051E-03	1.962E+02	7.715E+01	4.954E+00	2.944E+00	8.420E+01	6.667E+01	1.153E+00
3.500E+03	3.744E-03	2.158E+02	7.945E+01	5.154E+00	3.071E+00	7.498E+01	5.948E+01	1.163E+00
3.600E+03	3.454E-03	2.329E+02	8.140E+01	5.345E+00	3.177E+00	6.332E+01	5.035E+01	1.175E+00
3.700E+03	3.159E-03	2.470E+02	8.297E+01	5.527E+00	3.263E+00	5.160E+01	4.104E+01	1.190E+00
3.800E+03	3.07E-03	2.585E+02	8.420E+01	5.702E+00	3.328E+00	4.141E+01	3.281E+01	1.209E+00
3.900E+03	3.080E-03	2.676E+02	8.517E+01	5.871E+00	3.376E+00	3.339E+01	2.625E+01	1.231E+00
4.000E+03	2.972E-03	2.751E+02	8.593E+01	6.034E+00	3.412E+00	2.752E+01	2.139E+01	1.255E+00
4.100E+03	2.877E-03	2.813E+02	8.656E+01	6.186E+00	3.438E+00	2.349E+01	1.805E+01	1.277E+00
4.200E+03	2.793E-03	2.868E+02	8.709E+01	6.322E+00	3.458E+00	2.093E+01	1.593E+01	1.295E+00
4.300E+03	2.715E-03	2.917E+02	8.757E+01	6.435E+00	3.473E+00	1.950E+01	1.478E+01	1.304E+00
4.400E+03	2.644E-03	2.965E+02	8.801E+01	6.523E+00	3.486E+00	1.895E+01	1.438E+01	1.305E+00
4.500E+03	2.577E-03	3.011E+02	8.843E+01	6.590E+00	3.497E+00	1.912E+01	1.416E+01	1.298E+00
4.600E+03	2.513E-03	3.059E+02	8.886E+01	6.640E+00	3.508E+00	1.988E+01	1.535E+01	1.285E+00
4.700E+03	2.452E-03	3.110E+02	8.935E+01	6.682E+00	3.519E+00	2.116E+01	1.653E+01	1.270E+00
4.800E+03	2.393E-03	3.164E+02	8.976E+01	6.720E+00	3.531E+00	2.289E+01	1.811E+01	1.253E+00
4.900E+03	2.335E-03	3.223E+02	9.026E+01	6.759E+00	3.544E+00	2.502E+01	2.003E+01	1.238E+00
5.000E+03	2.279E-03	3.288E+02	9.079E+01	6.802E+00	3.559E+00	2.750E+01	2.225E+01	1.223E+00
5.100E+03	2.170E-03	3.437E+02	9.197E+01	6.908E+00	3.595E+00	3.322E+01	2.729E+01	1.201E+00
5.200E+03	2.063E-03	3.616E+02	9.334E+01	7.041E+00	3.640E+00	3.919E+01	3.246E+01	1.187E+00
5.300E+03	1.963E-03	3.822E+02	9.486E+01	7.202E+00	3.694E+00	4.409E+01	3.660E+01	1.180E+00
5.400E+03	1.863E-03	4.040E+02	9.646E+01	7.389E+00	3.754E+00	4.834E+01	3.839E+01	1.180E+00
5.500E+03	1.772E-03	4.273E+02	9.801E+01	7.586E+00	3.814E+00	4.486E+01	3.694E+01	1.187E+00
5.600E+03	1.691E-03	4.483E+02	9.941E+01	7.828E+00	3.868E+00	3.994E+01	3.255E+01	1.202E+00
5.700E+03	1.620E-03	4.664E+02	1.006E+02	8.080E+00	3.912E+00	3.330E+01	2.670E+01	1.227E+00
5.800E+03	1.558E-03	4.812E+02	1.015E+02	8.253E+00	3.944E+00	2.700E+01	2.115E+01	1.261E+00
5.900E+03	1.504E-03	4.933E+02	1.022E+02	8.434E+00	3.977E+00	2.220E+01	1.693E+01	1.300E+00
6.000E+03	1.455E-03	5.034E+02	1.028E+02	8.599E+00	3.982E+00	1.911E+01	1.421E+01	1.337E+00
7.000E+03	1.411E-03	5.123E+02	1.033E+02	9.121E+00	3.993E+00	1.746E+01	1.277E+01	1.361E+00
7.400E+03	1.369E-03	5.208E+02	1.038E+02	9.286E+00	4.002E+00	1.687E+01	1.227E+01	1.370E+00
7.600E+03	1.331E-03	5.291E+02	1.043E+02	9.400E+00	4.010E+00	1.706E+01	1.244E+01	1.384E+00
7.800E+03	1.294E-03	5.377E+02	1.047E+02	9.478E+00	4.017E+00	1.784E+01	1.318E+01	1.349E+00
8.000E+03	1.27E-03	5.468E+02	1.052E+02	9.535E+00	4.024E+00	1.913E+01	1.435E+01	1.328E+00
8.200E+03	1.25E-03	5.566E+02	1.057E+02	9.583E+00	4.036E+00	2.088E+01	1.591E+01	1.335E+00
8.400E+03	1.23E-03	5.675E+02	1.062E+02	9.631E+00	4.048E+00	2.308E+01	1.787E+01	1.283E+00
8.600E+03	1.21E-03	5.755E+02	1.068E+02	9.684E+00	4.063E+00	2.574E+01	2.222E+01	1.263E+00
8.800E+03	1.19E-03	5.929E+02	1.074E+02	9.746E+00	4.081E+00	2.890E+01	2.800E+01	1.244E+00
9.000E+03	1.095E-03	6.081E+02	1.081E+02	9.817E+00	4.102E+00	3.259E+01	2.621E+01	1.228E+00
9.200E+03	1.068E-03	6.252E+02	1.089E+02	9.891E+00	4.128E+00	3.685E+01	2.988E+01	1.214E+00
9.400E+03	1.038E-03	6.445E+02	1.097E+02	9.966E+00	4.158E+00	4.171E+01	3.403E+01	1.200E+00
9.600E+03	1.007E-03	6.664E+02	1.106E+02	1.010E+01	4.194E+00	4.721E+01	3.868E+01	1.193E+00
9.800E+03	9.771E-04	6.912E+02	1.117E+02	1.022E+01	4.235E+00	5.339E+01	4.421E+01	1.185E+00
1.000E+04	9.467E-04	7.192E+02	1.128E+02	1.036E+01	4.284E+00	6.026E+01	4.950E+01	1.178E+00
1.100E+04	7.922E-04	9.194E+02	1.205E+02	1.124E+01	4.654E+00	1.048E+02	1.048E+02	1.162E+00
1.200E+04	6.403E-04	1.243E+03	1.319E+02	1.251E+01	5.276E+00	1.564E+02	1.215E+02	1.172E+00
1.300E+04	5.111E-04	1.667E+03	1.457E+02	1.406E+01	6.104E+00	1.798E+02	1.365E+02	1.173E+00
1.400E+04	4.205E-04	2.082E+03	1.581E+02	1.564E+01	6.889E+00	1.488E+02	1.135E+02	1.173E+00
1.500E+04	3.662E-04	2.384E+03	1.666E+02	1.707E+01	7.423E+00	9.650E+01	7.385E+01	1.211E+00
1.600E+04	3.287E-04	2.571E+03	1.715E+02	1.842E+01	7.711E+00	5.904E+01	4.817E+01	1.294E+00
1.700E+04	3.073E-04	2.690E+03	1.744E+02	1.944E+01	7.852E+00	3.949E+01	2.821E+01	1.375E+00
1.800E+04	2.844E-04	2.775E+03	1.784E+02	2.097E+01	7.922E+00	3.059E+01	2.088E+01	1.450E+00
1.900E+04	2.681E-04	2.845E+03	1.780E+02	2.185E+01	7.960E+00	2.750E+01	1.841E+01	1.484E+00
2.000E+04	2.539E-04	2.914E+03	1.794E+02	2.224E+01	7.988E+00	2.457E+01	1.591E+01	1.457E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
2.100E+04	2.408E-04	2.990E+03	1.809E+02	2.226E+01	8.019E+00	3.418E+01	2.454E+01	1.384E+00
2.200E+04	2.285E-04	3.087E+03	1.827E+02	2.222E+01	8.049E+00	4.531E+01	3.428E+01	1.308E+00
2.300E+04	2.163E-04	3.218E+03	1.851E+02	2.238E+01	8.152E+00	6.118E+01	4.708E+01	1.256E+00
2.400E+04	2.043E-04	3.388E+03	1.880E+02	2.279E+01	8.273E+00	7.676E+01	6.087E+01	1.231E+00
2.500E+04	1.924E-04	3.589E+03	1.914E+02	2.342E+01	8.422E+00	8.448E+01	6.700E+01	1.226E+00
2.600E+04	1.819E-04	3.794E+03	1.948E+02	2.426E+01	8.574E+00	8.096E+01	6.372E+01	1.236E+00
2.700E+04	1.725E-04	3.982E+03	1.975E+02	2.508E+01	8.705E+00	6.983E+01	5.416E+01	1.259E+00
2.800E+04	1.645E-04	4.139E+03	1.998E+02	2.605E+01	8.804E+00	5.716E+01	4.336E+01	1.295E+00
2.900E+04	1.574E-04	4.264E+03	2.016E+02	2.706E+01	8.873E+00	4.682E+01	3.454E+01	1.338E+00
3.000E+04	1.516E-04	4.373E+03	2.031E+02	2.802E+01	8.919E+00	3.995E+01	2.868E+01	1.380E+00
3.100E+04	1.461E-04	4.464E+03	2.043E+02	2.881E+01	8.952E+00	3.637E+01	2.567E+01	1.407E+00
3.200E+04	1.412E-04	4.544E+03	2.055E+02	2.933E+01	8.977E+00	3.574E+01	2.522E+01	1.409E+00
3.300E+04	1.365E-04	4.645E+03	2.066E+02	2.956E+01	9.002E+00	3.796E+01	2.727E+01	1.384E+00
3.400E+04	1.321E-04	4.744E+03	2.078E+02	2.961E+01	9.030E+00	4.315E+01	3.190E+01	1.343E+00
3.500E+04	1.278E-04	4.840E+03	2.091E+02	2.961E+01	9.067E+00	5.142E+01	3.918E+01	1.300E+00
3.600E+04	1.236E-04	5.000E+03	2.107E+02	2.970E+01	9.118E+00	6.238E+01	4.871E+01	1.264E+00
3.700E+04	1.193E-04	5.169E+03	2.126E+02	2.992E+01	9.185E+00	7.469E+01	5.925E+01	1.239E+00
3.800E+04	1.151E-04	5.367E+03	2.148E+02	3.028E+01	9.270E+00	8.598E+01	6.874E+01	1.224E+00
3.900E+04	1.110E-04	5.590E+03	2.171E+02	3.076E+01	9.368E+00	9.354E+01	7.493E+01	1.218E+00
4.000E+04	1.070E-04	5.824E+03	2.195E+02	3.133E+01	9.472E+00	9.557E+01	7.641E+01	1.219E+00
4.100E+04	1.033E-04	6.056E+03	2.218E+02	3.198E+01	9.574E+00	9.209E+01	7.326E+01	1.226E+00
4.200E+04	9.989E-05	6.275E+03	2.240E+02	3.269E+01	9.667E+00	8.474E+01	6.688E+01	1.238E+00
4.300E+04	9.677E-05	6.473E+03	2.259E+02	3.344E+01	9.746E+00	7.583E+01	5.922E+01	1.255E+00
4.400E+04	9.394E-05	6.649E+03	2.279E+02	3.421E+01	9.811E+00	6.737E+01	5.197E+01	1.275E+00
4.500E+04	9.134E-05	6.807E+03	2.289E+02	3.495E+01	9.864E+00	6.067E+01	4.623E+01	1.294E+00
4.600E+04	8.898E-05	6.951E+03	2.302E+02	3.560E+01	9.908E+00	5.638E+01	4.260E+01	1.308E+00
4.700E+04	8.676E-05	7.087E+03	2.314E+02	3.611E+01	9.946E+00	5.477E+01	4.130E+01	1.313E+00
4.800E+04	8.465E-05	7.223E+03	2.326E+02	3.646E+01	9.981E+00	5.508E+01	4.238E+01	1.306E+00
4.900E+04	8.262E-05	7.365E+03	2.338E+02	3.669E+01	1.002E+01	5.567E+01	4.578E+01	1.290E+00
5.000E+04	8.065E-05	7.519E+03	2.350E+02	3.684E+01	1.006E+01	6.589E+01	5.128E+01	1.270E+00

P/PO = 5.00E-01

T	RHO/RHO-0	H/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
5.000E+02	2.121E-01	7.238E+00	4.022E+01	1.585E+00	1.412E+00	1.862E+01	1.432E+01	1.237E+00
6.000E+02	1.730E-01	1.009E+01	4.238E+01	1.852E+00	1.988E+00	4.439E+00	6.159E+00	1.353E+00
7.000E+02	1.450E-01	1.200E+01	4.358E+01	2.026E+00	1.897E+00	7.382E+00	5.337E+00	1.381E+00
8.000E+02	1.268E-01	1.390E+01	4.459E+01	2.187E+00	1.899E+00	7.278E+00	5.266E+00	1.387E+00
9.000E+02	1.127E-01	1.581E+01	4.541E+01	2.295E+00	2.000E+00	7.327E+00	5.318E+00	1.377E+00
1.000E+03	1.014E-01	1.742E+01	4.619E+01	2.414E+00	2.000E+00	7.402E+00	5.400E+00	1.371E+00
1.100E+03	9.217E-02	1.926E+01	4.690E+01	2.526E+00	2.000E+00	7.494E+00	5.493E+00	1.364E+00
1.200E+03	8.449E-02	2.113E+01	4.756E+01	2.637E+00	2.000E+00	7.591E+00	5.590E+00	1.358E+00
1.300E+03	7.799E-02	2.301E+01	4.817E+01	2.733E+00	2.000E+00	7.689E+00	5.689E+00	1.352E+00
1.400E+03	7.247E-02	2.493E+01	4.875E+01	2.830E+00	2.000E+00	7.788E+00	5.787E+00	1.346E+00
1.500E+03	6.759E-02	2.684E+01	4.929E+01	2.923E+00	2.000E+00	7.884E+00	5.889E+00	1.340E+00
1.600E+03	6.337E-02	2.883E+01	4.980E+01	3.012E+00	2.000E+00	8.001E+00	5.999E+00	1.334E+00
1.800E+03	5.963E-02	3.083E+01	5.030E+01	3.097E+00	2.000E+00	8.136E+00	6.132E+00	1.327E+00
1.800E+03	5.631E-02	3.286E+01	5.077E+01	3.177E+00	2.000E+00	8.324E+00	6.311E+00	1.319E+00
1.900E+03	5.334E-02	3.495E+01	5.123E+01	3.252E+00	2.001E+00	8.597E+00	6.568E+00	1.309E+00
2.000E+03	5.064E-02	3.713E+01	5.168E+01	3.320E+00	2.002E+00	9.007E+00	6.951E+00	1.299E+00
2.100E+03	4.819E-02	3.943E+01	5.214E+01	3.382E+00	2.004E+00	9.621E+00	7.519E+00	1.278E+00
2.200E+03	4.593E-02	4.192E+01	5.261E+01	3.437E+00	2.007E+00	1.052E+01	8.344E+00	1.259E+00
2.300E+03	4.382E-02	4.468E+01	5.310E+01	3.489E+00	2.012E+00	1.181E+01	9.510E+00	1.238E+00
2.400E+03	4.184E-02	4.781E+01	5.364E+01	3.541E+00	2.019E+00	1.358E+01	1.110E+01	1.227E+00
2.500E+03	3.994E-02	5.145E+01	5.425E+01	3.596E+00	2.031E+00	1.595E+01	1.322E+01	1.198E+00
2.600E+03	3.811E-02	5.549E+01	5.493E+01	3.657E+00	2.047E+00	1.904E+01	1.593E+01	1.182E+00
2.700E+03	3.633E-02	6.094E+01	5.573E+01	3.726E+00	2.069E+00	2.295E+01	1.930E+01	1.169E+00
2.800E+03	3.453E-02	6.718E+01	5.665E+01	3.807E+00	2.099E+00	2.774E+01	2.337E+01	1.160E+00
2.900E+03	3.273E-02	7.472E+01	5.772E+01	3.899E+00	2.138E+00	3.366E+01	2.812E+01	1.153E+00
3.000E+03	3.098E-02	8.378E+01	5.897E+01	4.005E+00	2.189E+00	4.005E+01	3.345E+01	1.149E+00
3.100E+03	2.935E-02	9.455E+01	6.040E+01	4.126E+00	2.251E+00	4.734E+01	3.917E+01	1.147E+00
3.200E+03	2.773E-02	1.072E+02	6.201E+01	4.261E+00	2.327E+00	5.498E+01	4.498E+01	1.147E+00
3.300E+03	2.642E-02	1.217E+02	6.383E+01	4.412E+00	2.417E+00	6.241E+01	5.072E+01	1.148E+00
3.400E+03	2.568E-02	1.379E+02	6.579E+01	4.577E+00	2.519E+00	6.883E+01	5.495E+01	1.151E+00
3.500E+03	2.203E-02	1.554E+02	6.784E+01	4.753E+00	2.630E+00	7.374E+01	5.795E+01	1.154E+00
3.600E+03	2.050E-02	1.738E+02	6.996E+01	4.936E+00	2.747E+00	7.511E+01	5.891E+01	1.159E+00
3.700E+03	1.913E-02	1.922E+02	7.200E+01	5.124E+00	2.864E+00	7.371E+01	5.756E+01	1.165E+00
3.800E+03	1.793E-02	2.099E+02	7.392E+01	5.310E+00	2.975E+00	6.930E+01	5.406E+01	1.173E+00
3.900E+03	1.690E-02	2.262E+02	7.563E+01	5.491E+00	3.076E+00	6.268E+01	4.897E+01	1.182E+00
4.000E+03	1.602E-02	2.403E+02	7.712E+01	5.666E+00	3.164E+00	5.494E+01	4.292E+01	1.193E+00
4.100E+03	1.528E-02	2.532E+02	7.838E+01	5.834E+00	3.237E+00	4.711E+01	3.884E+01	1.200E+00
4.200E+03	1.465E-02	2.639E+02	7.943E+01	5.995E+00	3.297E+00	4.011E+01	3.127E+01	1.217E+00
4.300E+03	1.410E-02	2.731E+02	8.030E+01	6.150E+00	3.344E+00	3.421E+01	2.656E+01	1.237E+00
4.400E+03	1.363E-02	2.809E+02	8.103E+01	6.297E+00	3.381E+00	2.956E+01	2.282E+01	1.254E+00
4.500E+03	1.321E-02	2.877E+02	8.165E+01	6.433E+00	3.411E+00	2.610E+01	2.004E+01	1.268E+00
4.600E+03	1.283E-02	2.938E+02	8.220E+01	6.557E+00	3.435E+00	2.369E+01	1.811E+01	1.287E+00
4.700E+03	1.249E-02	2.995E+02	8.269E+01	6.665E+00	3.455E+00	2.218E+01	1.692E+01	1.287E+00
4.800E+03	1.217E-02	3.048E+02	8.315E+01	6.757E+00	3.471E+00	2.140E+01	1.634E+01	1.289E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
4.900E+03	1.187E-02	3.101E+02	8.358E+01	6.833E+00	3.486E+00	2.123E+01	1.629E+01	1.286E+00
5.000E+03	1.154E-02	3.153E+02	8.401E+01	6.896E+00	3.500E+00	2.159E+01	1.667E+01	1.279E+00
5.200E+03	1.106E-02	3.264E+02	8.489E+01	7.001E+00	3.527E+00	2.355E+01	1.851E+01	1.257E+00
5.400E+03	1.056E-02	3.387E+02	8.584E+01	7.101E+00	3.556E+00	2.678E+01	2.141E+01	1.235E+00
5.600E+03	1.009E-02	3.529E+02	8.689E+01	7.212E+00	3.590E+00	3.083E+01	2.496E+01	1.217E+00
5.800E+03	9.631E-03	3.692E+02	8.804E+01	7.342E+00	3.630E+00	3.511E+01	2.864E+01	1.204E+00
6.000E+03	9.193E-03	3.875E+02	8.930E+01	7.493E+00	3.676E+00	3.886E+01	3.179E+01	1.197E+00
6.200E+03	8.774E-03	4.073E+02	9.062E+01	7.663E+00	3.727E+00	4.119E+01	3.368E+01	1.195E+00
6.400E+03	8.382E-03	4.277E+02	9.193E+01	7.853E+00	3.780E+00	4.137E+01	3.369E+01	1.199E+00
6.600E+03	8.021E-03	4.477E+02	9.318E+01	8.058E+00	3.831E+00	3.919E+01	3.170E+01	1.208E+00
6.800E+03	7.695E-03	4.661E+02	9.429E+01	8.280E+00	3.875E+00	3.517E+01	2.816E+01	1.224E+00
7.000E+03	7.405E-03	4.822E+02	9.524E+01	8.517E+00	3.912E+00	3.036E+01	2.396E+01	1.246E+00
7.200E+03	7.148E-03	4.961E+02	9.603E+01	8.765E+00	3.940E+00	2.584E+01	2.001E+01	1.274E+00
7.400E+03	6.917E-03	5.079E+02	9.669E+01	9.016E+00	3.961E+00	2.222E+01	1.688E+01	1.305E+00
7.600E+03	6.709E-03	5.182E+02	9.725E+01	9.253E+00	3.977E+00	1.970E+01	1.467E+01	1.333E+00
7.800E+03	6.517E-03	5.275E+02	9.774E+01	9.480E+00	3.989E+00	1.817E+01	1.335E+01	1.353E+00
8.000E+03	6.339E-03	5.362E+02	9.818E+01	9.628E+00	3.998E+00	1.755E+01	1.273E+01	1.367E+00
8.200E+03	6.171E-03	5.448E+02	9.861E+01	9.757E+00	4.007E+00	1.735E+01	1.267E+01	1.363E+00
8.400E+03	6.012E-03	5.534E+02	9.904E+01	9.855E+00	4.015E+00	1.775E+01	1.305E+01	1.355E+00
8.600E+03	5.862E-03	5.624E+02	9.946E+01	9.931E+00	4.023E+00	1.856E+01	1.377E+01	1.341E+00
8.800E+03	5.714E-03	5.718E+02	9.990E+01	9.995E+00	4.033E+00	1.971E+01	1.488E+01	1.324E+00
9.000E+03	5.573E-03	5.819E+02	1.004E+02	1.005E+01	4.043E+00	2.119E+01	1.611E+01	1.307E+00
9.200E+03	5.435E-03	5.927E+02	1.008E+02	1.011E+01	4.055E+00	2.298E+01	1.769E+01	1.290E+00
9.400E+03	5.301E-03	6.046E+02	1.014E+02	1.018E+01	4.069E+00	2.509E+01	1.952E+01	1.273E+00
9.600E+03	5.170E-03	6.175E+02	1.019E+02	1.024E+01	4.085E+00	2.752E+01	2.163E+01	1.259E+00
9.800E+03	5.041E-03	6.318E+02	1.025E+02	1.032E+01	4.105E+00	3.029E+01	2.401E+01	1.245E+00
1.000E+04	4.914E-03	6.475E+02	1.032E+02	1.040E+01	4.127E+00	3.340E+01	2.666E+01	1.231E+00
1.100E+04	4.791E-03	7.540E+02	1.073E+02	1.095E+01	4.296E+00	5.465E+01	4.422E+01	1.195E+00
1.200E+04	4.675E-03	9.209E+02	1.133E+02	1.176E+01	4.598E+00	8.551E+01	6.818E+01	1.179E+00
1.300E+04	4.576E-03	1.180E+03	1.215E+02	1.285E+01	5.071E+00	1.214E+02	9.391E+01	1.177E+00
1.400E+04	4.494E-03	1.516E+03	1.316E+02	1.417E+01	5.702E+00	1.477E+02	1.113E+02	1.184E+00
1.500E+04	4.428E-03	1.885E+03	1.419E+02	1.562E+01	6.397E+00	1.465E+02	1.053E+02	1.198E+00
1.600E+04	4.378E-03	2.216E+03	1.506E+02	1.702E+01	6.979E+00	1.186E+02	8.877E+01	1.221E+00
1.700E+04	4.341E-03	2.465E+03	1.567E+02	1.832E+01	7.393E+00	8.479E+01	6.796E+01	1.247E+00
1.800E+04	4.315E-03	2.638E+03	1.608E+02	1.956E+01	7.646E+00	5.810E+01	4.279E+01	1.308E+00
1.900E+04	4.300E-03	2.760E+03	1.634E+02	2.076E+01	7.791E+00	4.726E+01	3.011E+01	1.369E+00
2.000E+04	4.295E-03	2.853E+03	1.654E+02	2.185E+01	7.875E+00	3.383E+01	2.336E+01	1.426E+00
2.100E+04	4.299E-03	2.931E+03	1.669E+02	2.269E+01	7.926E+00	3.076E+01	2.057E+01	1.455E+00
2.200E+04	4.303E-03	3.005E+03	1.683E+02	2.318E+01	7.964E+00	3.037E+01	2.086E+01	1.447E+00
2.300E+04	4.307E-03	3.083E+03	1.697E+02	2.377E+01	8.001E+00	3.407E+01	2.415E+01	1.398E+00
2.400E+04	4.311E-03	3.176E+03	1.713E+02	2.344E+01	8.048E+00	4.137E+01	3.056E+01	1.338E+00
2.500E+04	4.315E-03	3.290E+03	1.732E+02	2.360E+01	8.114E+00	5.194E+01	3.988E+01	1.291E+00
2.600E+04	4.319E-03	3.433E+03	1.755E+02	2.397E+01	8.207E+00	6.350E+01	4.921E+01	1.262E+00
2.700E+04	4.323E-03	3.601E+03	1.781E+02	2.444E+01	8.328E+00	7.229E+01	5.670E+01	1.250E+00
2.800E+04	4.327E-03	3.784E+03	1.808E+02	2.508E+01	8.452E+00	7.511E+01	5.835E+01	1.250E+00
2.900E+04	4.331E-03	3.966E+03	1.833E+02	2.582E+01	8.577E+00	7.155E+01	5.511E+01	1.261E+00
3.000E+04	4.335E-03	4.144E+03	1.856E+02	2.664E+01	8.686E+00	6.392E+01	4.867E+01	1.281E+00
3.100E+04	4.339E-03	4.280E+03	1.876E+02	2.751E+01	8.774E+00	5.527E+01	4.135E+01	1.309E+00
3.200E+04	4.343E-03	4.407E+03	1.892E+02	2.847E+01	8.840E+00	4.762E+01	3.455E+01	1.341E+00
3.300E+04	4.347E-03	4.517E+03	1.904E+02	2.925E+01	8.890E+00	4.204E+01	3.029E+01	1.372E+00
3.400E+04	4.351E-03	4.616E+03	1.918E+02	2.998E+01	8.927E+00	3.876E+01	2.755E+01	1.393E+00
3.500E+04	4.355E-03	4.710E+03	1.929E+02	3.053E+01	8.957E+00	3.767E+01	2.672E+01	1.398E+00
3.600E+04	4.359E-03	4.804E+03	1.940E+02	3.087E+01	8.987E+00	3.873E+01	2.773E+01	1.386E+00
3.700E+04	4.363E-03	4.903E+03	1.951E+02	3.104E+01	9.014E+00	4.193E+01	3.060E+01	1.359E+00
3.800E+04	4.367E-03	5.012E+03	1.963E+02	3.114E+01	9.047E+00	4.724E+01	3.525E+01	1.327E+00
3.900E+04	4.371E-03	5.137E+03	1.976E+02	3.126E+01	9.090E+00	5.444E+01	4.146E+01	1.297E+00
4.000E+04	4.375E-03	5.282E+03	1.991E+02	3.144E+01	9.142E+00	6.290E+01	4.888E+01	1.272E+00
4.100E+04	4.379E-03	5.448E+03	2.007E+02	3.173E+01	9.207E+00	7.156E+01	5.596E+01	1.254E+00
4.200E+04	4.383E-03	5.634E+03	2.025E+02	3.211E+01	9.283E+00	7.993E+01	6.213E+01	1.244E+00
4.300E+04	4.387E-03	5.835E+03	2.045E+02	3.257E+01	9.367E+00	8.398E+01	6.810E+01	1.239E+00
4.400E+04	4.391E-03	6.044E+03	2.064E+02	3.311E+01	9.455E+00	8.562E+01	6.728E+01	1.240E+00
4.500E+04	4.395E-03	6.255E+03	2.083E+02	3.371E+01	9.542E+00	8.395E+01	6.571E+01	1.249E+00
4.600E+04	4.399E-03	6.477E+03	2.101E+02	3.435E+01	9.624E+00	7.975E+01	6.706E+01	1.254E+00
4.700E+04	4.403E-03	6.667E+03	2.118E+02	3.502E+01	9.697E+00	7.415E+01	5.727E+01	1.266E+00
4.800E+04	4.407E-03	6.822E+03	2.133E+02	3.571E+01	9.761E+00	6.832E+01	5.232E+01	1.280E+00
4.900E+04	4.411E-03	6.984E+03	2.146E+02	3.638E+01	9.817E+00	6.319E+01	4.799E+01	1.294E+00
5.000E+04	4.415E-03	7.155E+03	2.159E+02	3.700E+01	9.864E+00	5.936E+01	4.478E+01	1.308E+00

P/PU = 1.00E+00

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	4.400E-01	6.174E+00	3.808E+01	1.562E+00	1.844E+00	2.500E+01	1.933E+01	1.213E+00
6.000E+02	3.421E-01	5.906E+00	4.088E+01	1.829E+00	1.976E+00	9.487E+00	7.212E+00	1.328E+00
7.000E+02	2.905E-01	1.194E+01	4.717E+01	2.020E+00	1.895E+00	7.410E+00	5.520E+00	1.375E+00
8.000E+02	2.537E-01	1.379E+01	4.316E+01	2.164E+00	1.998E+00	7.335E+00	5.311E+00	1.360E+00
9.000E+02	2.254E-01	1.560E+01	4.402E+01	2.294E+00	1.899E+00	7.360E+00	5.332E+00	1.378E+00
1.000E+03	2.028E-01	1.742E+01	4.480E+01	2.414E+00	2.000E+00	7.409E+00	5.405E+00	1.370E+00
1.100E+03	1.844E-01	1.926E+01	4.551E+01	2.526E+00	2.000E+00	7.497E+00	5.495E+00	1.364E+00
1.200E+03	1.650E-01	2.112E+01	4.617E+01	2.632E+00	2.000E+00	7.592E+00	5.592E+00	1.358E+00

TABLE I.- Continued

T	R-D/K40-0	H/R TO	S/M	A/AO	Z	CP/R	CV/R	GAMMA
1.300E+03	1.540E-01	2.301E+01	4.678E+01	2.733E+00	2.000E+00	7.690E+00	5.689E+00	1.352E+00
1.400E+03	1.448E-01	2.453E+01	4.736E+01	2.830E+00	2.000E+00	7.787E+00	5.787E+00	1.346E+00
1.500E+03	1.352E-01	2.606E+01	4.790E+01	2.923E+00	2.000E+00	7.886E+00	5.885E+00	1.340E+00
1.600E+03	1.267E-01	2.803E+01	4.842E+01	3.013E+00	2.000E+00	7.990E+00	5.989E+00	1.334E+00
1.700E+03	1.193E-01	3.002E+01	4.891E+01	3.058E+00	2.000E+00	8.111E+00	6.107E+00	1.328E+00
1.800E+03	1.126E-01	3.204E+01	4.938E+01	3.058E+00	2.000E+00	8.266E+00	6.256E+00	1.321E+00
1.900E+03	1.067E-01	3.492E+01	4.983E+01	3.257E+00	2.001E+00	8.480E+00	6.459E+00	1.313E+00
2.000E+03	1.013E-01	3.705E+01	5.028E+01	3.328E+00	2.001E+00	8.789E+00	6.750E+00	1.302E+00
2.100E+03	9.643E-02	3.928E+01	5.072E+01	3.393E+00	2.003E+00	9.243E+00	7.170E+00	1.288E+00
2.200E+03	9.195E-02	4.165E+01	5.117E+01	3.453E+00	2.005E+00	9.897E+00	7.772E+00	1.272E+00
2.300E+03	8.780E-02	4.421E+01	5.163E+01	3.509E+00	2.008E+00	1.082E+01	8.614E+00	1.255E+00
2.400E+03	8.391E-02	4.704E+01	5.212E+01	3.562E+00	2.014E+00	1.209E+01	9.761E+00	1.235E+00
2.500E+03	8.024E-02	5.024E+01	5.265E+01	3.615E+00	2.022E+00	1.379E+01	1.128E+01	1.216E+00
2.600E+03	7.672E-02	5.391E+01	5.323E+01	3.671E+00	2.033E+00	1.600E+01	1.323E+01	1.200E+00
2.700E+03	7.331E-02	5.820E+01	5.389E+01	3.733E+00	2.049E+00	1.880E+01	1.597E+01	1.195E+00
2.800E+03	6.996E-02	6.327E+01	5.464E+01	3.803E+00	2.070E+00	2.225E+01	1.866E+01	1.174E+00
2.900E+03	6.685E-02	6.927E+01	5.549E+01	3.883E+00	2.098E+00	2.641E+01	2.215E+01	1.165E+00
3.000E+03	6.393E-02	7.638E+01	5.647E+01	3.972E+00	2.134E+00	3.129E+01	2.618E+01	1.159E+00
3.100E+03	6.001E-02	8.478E+01	5.759E+01	4.076E+00	2.180E+00	3.686E+01	3.065E+01	1.155E+00
3.200E+03	5.649E-02	9.462E+01	5.885E+01	4.188E+00	2.236E+00	4.294E+01	3.544E+01	1.153E+00
3.300E+03	5.337E-02	1.060E+02	6.027E+01	4.315E+00	2.303E+00	4.936E+01	4.032E+01	1.153E+00
3.400E+03	5.010E-02	1.190E+02	6.184E+01	4.456E+00	2.381E+00	5.576E+01	4.501E+01	1.154E+00
3.500E+03	4.691E-02	1.335E+02	6.355E+01	4.609E+00	2.470E+00	6.154E+01	4.912E+01	1.156E+00
3.600E+03	4.386E-02	1.492E+02	6.535E+01	4.772E+00	2.568E+00	6.617E+01	5.225E+01	1.159E+00
3.700E+03	4.101E-02	1.659E+02	6.721E+01	4.945E+00	2.673E+00	6.998E+01	5.400E+01	1.163E+00
3.800E+03	3.838E-02	1.830E+02	6.906E+01	5.123E+00	2.780E+00	7.408E+01	5.408E+01	1.168E+00
3.900E+03	3.603E-02	2.000E+02	7.084E+01	5.302E+00	2.886E+00	7.762E+01	5.242E+01	1.175E+00
4.000E+03	3.395E-02	2.162E+02	7.251E+01	5.480E+00	2.987E+00	8.056E+01	4.921E+01	1.183E+00
4.100E+03	3.214E-02	2.312E+02	7.401E+01	5.653E+00	3.078E+00	8.296E+01	4.444E+01	1.192E+00
4.200E+03	3.058E-02	2.447E+02	7.533E+01	5.821E+00	3.158E+00	8.495E+01	3.997E+01	1.202E+00
4.300E+03	2.924E-02	2.566E+02	7.646E+01	5.983E+00	3.226E+00	8.591E+01	3.501E+01	1.214E+00
4.400E+03	2.808E-02	2.669E+02	7.743E+01	6.138E+00	3.283E+00	8.592E+01	3.041E+01	1.227E+00
4.500E+03	2.707E-02	2.760E+02	7.826E+01	6.286E+00	3.329E+00	8.428E+01	2.645E+01	1.241E+00
4.600E+03	2.619E-02	2.839E+02	7.896E+01	6.426E+00	3.367E+00	8.021E+01	2.323E+01	1.254E+00
4.700E+03	2.540E-02	2.909E+02	7.958E+01	6.557E+00	3.398E+00	7.710E+01	2.075E+01	1.267E+00
4.800E+03	2.488E-02	2.973E+02	8.012E+01	6.676E+00	3.423E+00	7.245E+01	1.899E+01	1.278E+00
4.900E+03	2.403E-02	3.032E+02	8.062E+01	6.782E+00	3.444E+00	6.551E+01	1.704E+01	1.282E+00
5.000E+03	2.342E-02	3.089E+02	8.108E+01	6.873E+00	3.463E+00	5.254E+01	1.724E+01	1.286E+00
5.200E+03	2.232E-02	3.199E+02	8.194E+01	7.020E+00	3.496E+00	4.248E+01	1.735E+01	1.276E+00
5.400E+03	2.132E-02	3.313E+02	8.283E+01	7.135E+00	3.523E+00	3.403E+01	1.883E+01	1.259E+00
5.600E+03	2.038E-02	3.438E+02	8.375E+01	7.242E+00	3.554E+00	2.673E+01	2.125E+01	1.240E+00
5.800E+03	1.949E-02	3.578E+02	8.474E+01	7.357E+00	3.588E+00	2.015E+01	2.424E+01	1.224E+00
6.000E+03	1.864E-02	3.735E+02	8.583E+01	7.487E+00	3.626E+00	1.378E+01	2.736E+01	1.212E+00
6.200E+03	1.782E-02	3.910E+02	8.699E+01	7.635E+00	3.670E+00	7.701E+01	3.007E+01	1.205E+00
6.400E+03	1.704E-02	4.099E+02	8.820E+01	7.801E+00	3.718E+00	3.917E+01	3.181E+01	1.203E+00
6.600E+03	1.631E-02	4.294E+02	8.942E+01	7.983E+00	3.768E+00	3.565E+01	3.210E+01	1.206E+00
6.800E+03	1.563E-02	4.487E+02	9.059E+01	8.180E+00	3.816E+00	3.822E+01	3.077E+01	1.213E+00
7.000E+03	1.501E-02	4.668E+02	9.165E+01	8.391E+00	3.860E+00	3.515E+01	2.806E+01	1.224E+00
7.200E+03	1.445E-02	4.832E+02	9.259E+01	8.615E+00	3.897E+00	3.114E+01	2.457E+01	1.245E+00
7.400E+03	1.396E-02	4.975E+02	9.339E+01	8.850E+00	3.927E+00	2.706E+01	2.101E+01	1.268E+00
7.600E+03	1.351E-02	5.099E+02	9.406E+01	9.090E+00	3.954E+00	2.352E+01	1.795E+01	1.295E+00
7.800E+03	1.310E-02	5.208E+02	9.463E+01	9.323E+00	3.968E+00	2.083E+01	1.562E+01	1.321E+00
8.000E+03	1.273E-02	5.306E+02	9.513E+01	9.537E+00	3.981E+00	1.901E+01	1.405E+01	1.343E+00
8.200E+03	1.239E-02	5.357E+02	9.559E+01	9.719E+00	3.992E+00	1.796E+01	1.315E+01	1.357E+00
8.400E+03	1.207E-02	5.404E+02	9.602E+01	9.868E+00	4.001E+00	1.754E+01	1.280E+01	1.363E+00
8.600E+03	1.178E-02	5.571E+02	9.643E+01	9.985E+00	4.010E+00	1.760E+01	1.288E+01	1.360E+00
8.800E+03	1.147E-02	5.659E+02	9.684E+01	1.008E+01	4.018E+00	1.807E+01	1.331E+01	1.351E+00
9.000E+03	1.115E-02	5.750E+02	9.725E+01	1.015E+01	4.027E+00	1.887E+01	1.403E+01	1.338E+00
9.200E+03	1.092E-02	5.845E+02	9.768E+01	1.022E+01	4.036E+00	1.997E+01	1.500E+01	1.323E+00
9.400E+03	1.066E-02	5.947E+02	9.812E+01	1.028E+01	4.047E+00	2.135E+01	1.621E+01	1.308E+00
9.600E+03	1.041E-02	6.056E+02	9.859E+01	1.035E+01	4.059E+00	2.299E+01	1.764E+01	1.293E+00
9.800E+03	1.016E-02	6.174E+02	9.908E+01	1.041E+01	4.073E+00	2.489E+01	1.929E+01	1.278E+00
1.000E+04	9.919E-03	6.302E+02	9.961E+01	1.048E+01	4.089E+00	2.705E+01	2.115E+01	1.267E+00
1.100E+04	9.759E-03	7.140E+02	1.028E+02	1.054E+01	4.209E+00	4.214E+01	3.381E+01	1.216E+00
1.200E+04	7.638E-03	8.443E+02	1.074E+02	1.160E+01	4.426E+00	6.402E+01	5.187E+01	1.193E+00
1.300E+04	6.536E-03	1.039E+03	1.137E+02	1.250E+01	4.773E+00	9.383E+01	7.347E+01	1.185E+00
1.400E+04	5.502E-03	1.307E+03	1.218E+02	1.364E+01	5.265E+00	1.228E+02	9.344E+01	1.187E+00
1.500E+04	4.609E-03	1.554E+03	1.305E+02	1.495E+01	5.867E+00	1.392E+02	1.037E+02	1.195E+00
1.600E+04	3.910E-03	1.94E+03	1.398E+02	1.633E+01	6.482E+00	1.327E+02	9.817E+01	1.210E+00
1.700E+04	3.408E-03	2.273E+03	1.472E+02	1.767E+01	7.001E+00	1.079E+02	8.301E+01	1.234E+00
1.800E+04	3.056E-03	2.504E+03	1.525E+02	1.891E+01	7.372E+00	7.956E+01	5.886E+01	1.268E+00
1.900E+04	2.804E-03	2.671E+03	1.562E+02	2.010E+01	7.611E+00	5.750E+01	4.190E+01	1.315E+00
2.000E+04	2.614E-03	2.794E+03	1.588E+02	2.124E+01	7.757E+00	4.333E+01	3.077E+01	1.368E+00
2.100E+04	2.461E-03	2.890E+03	1.606E+02	2.228E+01	7.866E+00	3.531E+01	2.444E+01	1.417E+00
2.200E+04	2.332E-03	2.971E+03	1.622E+02	2.310E+01	7.904E+00	3.165E+01	2.162E+01	1.444E+00
2.300E+04	2.219E-03	3.048E+03	1.636E+02	2.362E+01	7.947E+00	3.140E+01	2.162E+01	1.436E+00
2.400E+04	2.116E-03	3.125E+03	1.650E+02	2.387E+01	7.988E+00	3.431E+01	2.428E+01	1.398E+00
2.500E+04	2.019E-03	3.220E+03	1.665E+02	2.400E+01	8.035E+00	4.038E+01	2.956E+01	1.349E+00
2.600E+04	1.926E-03	3.330E+03	1.682E+02	2.418E+01	8.098E+00	4.914E+01	3.701E+01	1.306E+00
2.700E+04	1.836E-03	3.463E+03	1.703E+02	2.449E+01	8.182E+00	5.898E+01	4.519E+01	1.277E+00
2.800E+04	1.748E-03	3.620E+03	1.726E+02	2.485E+01	8.286E+00	6.720E+01	5.184E+01	1.262E+00
2.900E+04	1.664E-03	3.791E+03	1.750E+02	2.524E+01	8.403E+00	7.121E+01	5.490E+01	1.260E+00
3.000E+04	1.586E-03	3.967E+03	1.774E+02	2.563E+01	8.522E+00	7.006E+01	5.371E+01	1.267E+00
3.100E+04	1.516E-03	4.136E+03	1.798E+02	2.700E+01	8.672E+00	6.485E+01	4.925E+01	1.282E+00
3.200E+04	1.453E-03	4.283E+03	1.816E+02	2.781E+01	8.722E+00	5.774E+01	4.320E+01	1.304E+00
3.300E+04	1.397E-03	4.418E+03	1.833E+02	2.865E+01	8.795E+00	5.071E+01	3.740E+01	1.331E+00
3.400E+04	1.347E-03	4.536E+03	1.847E+02	2.948E+01	8.852E+00	4.495E+01	3.260E+01	1.358E+00

TABLE I. - Continued

T	RHO/RHO-U	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAPMA
3.500E+04	1.303E-03	4.642E+03	1.859E+02	3.024E+01	8.896E+00	4.097E+01	2.930E+01	1.381E+00
3.600E+04	1.261E-03	4.740E+03	1.870E+02	3.086E+01	8.931E+00	3.889E+01	2.762E+01	1.394E+00
3.700E+04	1.223E-03	4.835E+03	1.881E+02	3.132E+01	8.961E+00	3.888E+01	2.754E+01	1.392E+00
3.800E+04	1.187E-03	4.932E+03	1.892E+02	3.181E+01	8.990E+00	4.033E+01	2.906E+01	1.376E+00
3.900E+04	1.153E-03	5.035E+03	1.902E+02	3.178E+01	9.021E+00	4.381E+01	3.212E+01	1.350E+00
4.000E+04	1.119E-03	5.140E+03	1.914E+02	3.191E+01	9.057E+00	4.899E+01	3.662E+01	1.322E+00
4.100E+04	1.087E-03	5.278E+03	1.927E+02	3.207E+01	9.101E+00	5.597E+01	4.224E+01	1.297E+00
4.200E+04	1.055E-03	5.424E+03	1.941E+02	3.220E+01	9.155E+00	6.294E+01	4.849E+01	1.276E+00
4.300E+04	1.023E-03	5.588E+03	1.957E+02	3.260E+01	9.218E+00	7.020E+01	5.453E+01	1.262E+00
4.400E+04	9.921E-04	5.769E+03	1.974E+02	3.299E+01	9.290E+00	7.828E+01	5.950E+01	1.253E+00
4.500E+04	9.619E-04	5.963E+03	1.991E+02	3.346E+01	9.369E+00	8.626E+01	6.265E+01	1.249E+00
4.600E+04	9.329E-04	6.183E+03	2.009E+02	3.399E+01	9.451E+00	9.462E+01	6.361E+01	1.250E+00
4.700E+04	9.053E-04	6.436E+03	2.027E+02	3.456E+01	9.531E+00	10.399E+01	6.243E+01	1.254E+00
4.800E+04	8.794E-04	6.558E+03	2.043E+02	3.518E+01	9.608E+00	7.714E+01	5.960E+01	1.262E+00
4.900E+04	8.552E-04	6.747E+03	2.059E+02	3.582E+01	9.678E+00	7.268E+01	5.580E+01	1.273E+00
5.000E+04	8.327E-04	6.916E+03	2.073E+02	3.647E+01	9.741E+00	6.791E+01	5.176E+01	1.285E+00

P/PD = 2.00E+00

T	RHO/RHO-U	H/RTO	S/R	A/AO	Z	CP/P	CV/P	GAPMA
5.100E+04	8.116E-04	7.164E+03	2.088E+02	3.714E+01	9.800E+00	6.383E+01	4.736E+01	1.298E+00
5.200E+04	7.907E-04	7.357E+03	2.100E+02	3.780E+01	9.860E+00	7.248E+01	4.644E+01	1.304E+00
5.300E+04	7.704E-04	7.554E+03	2.112E+02	3.846E+01	9.919E+00	8.162E+01	4.564E+01	1.310E+00
5.400E+04	7.507E-04	7.754E+03	2.124E+02	3.912E+01	9.977E+00	9.120E+01	4.494E+01	1.316E+00
5.500E+04	7.316E-04	7.957E+03	2.136E+02	3.978E+01	1.0034E+01	1.011E+02	4.434E+01	1.322E+00
5.600E+04	7.131E-04	8.163E+03	2.148E+02	4.044E+01	1.0090E+01	1.112E+02	4.384E+01	1.328E+00
5.700E+04	6.952E-04	8.372E+03	2.160E+02	4.110E+01	1.0146E+01	1.214E+02	4.344E+01	1.334E+00
5.800E+04	6.779E-04	8.584E+03	2.172E+02	4.176E+01	1.0202E+01	1.317E+02	4.304E+01	1.340E+00
5.900E+04	6.612E-04	8.798E+03	2.184E+02	4.242E+01	1.0258E+01	1.421E+02	4.264E+01	1.346E+00
6.000E+04	6.451E-04	9.014E+03	2.196E+02	4.308E+01	1.0314E+01	1.526E+02	4.224E+01	1.352E+00
6.100E+04	6.296E-04	9.232E+03	2.208E+02	4.374E+01	1.0370E+01	1.631E+02	4.184E+01	1.358E+00
6.200E+04	6.147E-04	9.452E+03	2.220E+02	4.440E+01	1.0426E+01	1.737E+02	4.144E+01	1.364E+00
6.300E+04	6.004E-04	9.674E+03	2.232E+02	4.506E+01	1.0482E+01	1.843E+02	4.104E+01	1.370E+00
6.400E+04	5.867E-04	9.898E+03	2.244E+02	4.572E+01	1.0538E+01	1.950E+02	4.064E+01	1.376E+00
6.500E+04	5.736E-04	1.013E+04	2.256E+02	4.638E+01	1.0594E+01	2.057E+02	4.024E+01	1.382E+00
6.600E+04	5.610E-04	1.037E+04	2.268E+02	4.704E+01	1.0650E+01	2.165E+02	3.984E+01	1.388E+00
6.700E+04	5.489E-04	1.062E+04	2.280E+02	4.770E+01	1.0706E+01	2.273E+02	3.944E+01	1.394E+00
6.800E+04	5.373E-04	1.087E+04	2.292E+02	4.836E+01	1.0762E+01	2.382E+02	3.904E+01	1.400E+00
6.900E+04	5.262E-04	1.113E+04	2.304E+02	4.902E+01	1.0818E+01	2.491E+02	3.864E+01	1.406E+00
7.000E+04	5.156E-04	1.139E+04	2.316E+02	4.968E+01	1.0874E+01	2.601E+02	3.824E+01	1.412E+00
7.100E+04	5.054E-04	1.166E+04	2.328E+02	5.034E+01	1.0930E+01	2.711E+02	3.784E+01	1.418E+00
7.200E+04	4.956E-04	1.193E+04	2.340E+02	5.100E+01	1.0986E+01	2.822E+02	3.744E+01	1.424E+00
7.300E+04	4.862E-04	1.220E+04	2.352E+02	5.166E+01	1.1042E+01	2.933E+02	3.704E+01	1.430E+00
7.400E+04	4.772E-04	1.248E+04	2.364E+02	5.232E+01	1.1098E+01	3.045E+02	3.664E+01	1.436E+00
7.500E+04	4.686E-04	1.276E+04	2.376E+02	5.298E+01	1.1154E+01	3.157E+02	3.624E+01	1.442E+00
7.600E+04	4.604E-04	1.305E+04	2.388E+02	5.364E+01	1.1210E+01	3.270E+02	3.584E+01	1.448E+00
7.700E+04	4.526E-04	1.334E+04	2.400E+02	5.430E+01	1.1266E+01	3.383E+02	3.544E+01	1.454E+00
7.800E+04	4.452E-04	1.364E+04	2.412E+02	5.496E+01	1.1322E+01	3.497E+02	3.504E+01	1.460E+00
7.900E+04	4.382E-04	1.394E+04	2.424E+02	5.562E+01	1.1378E+01	3.611E+02	3.464E+01	1.466E+00
8.000E+04	4.316E-04	1.425E+04	2.436E+02	5.628E+01	1.1434E+01	3.726E+02	3.424E+01	1.472E+00
8.100E+04	4.254E-04	1.456E+04	2.448E+02	5.694E+01	1.1490E+01	3.841E+02	3.384E+01	1.478E+00
8.200E+04	4.196E-04	1.487E+04	2.460E+02	5.760E+01	1.1546E+01	3.957E+02	3.344E+01	1.484E+00
8.300E+04	4.142E-04	1.519E+04	2.472E+02	5.826E+01	1.1602E+01	4.073E+02	3.304E+01	1.490E+00
8.400E+04	4.092E-04	1.551E+04	2.484E+02	5.892E+01	1.1658E+01	4.190E+02	3.264E+01	1.496E+00
8.500E+04	4.046E-04	1.584E+04	2.496E+02	5.958E+01	1.1714E+01	4.307E+02	3.224E+01	1.502E+00
8.600E+04	4.004E-04	1.617E+04	2.508E+02	6.024E+01	1.1770E+01	4.425E+02	3.184E+01	1.508E+00
8.700E+04	3.966E-04	1.651E+04	2.520E+02	6.090E+01	1.1826E+01	4.543E+02	3.144E+01	1.514E+00
8.800E+04	3.932E-04	1.686E+04	2.532E+02	6.156E+01	1.1882E+01	4.662E+02	3.104E+01	1.520E+00
8.900E+04	3.902E-04	1.721E+04	2.544E+02	6.222E+01	1.1938E+01	4.781E+02	3.064E+01	1.526E+00
9.000E+04	3.876E-04	1.757E+04	2.556E+02	6.288E+01	1.1994E+01	4.901E+02	3.024E+01	1.532E+00

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE I. - Continued

T	RH0/RH0-0	H/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
9.000E+03	2.240E-02	5.691E+02	9.420E+01	1.021E+01	4.012E+00	1.781E+01	1.304E+01	1.358E+00
9.200E+03	2.195E-02	5.780E+02	9.440E+01	1.030E+01	4.020E+00	1.827E+01	1.348E+01	1.350E+00
9.400E+03	2.142E-02	5.871E+02	9.500E+01	1.038E+01	4.029E+00	1.901E+01	1.412E+01	1.339E+00
9.600E+03	2.092E-02	5.968E+02	9.541E+01	1.045E+01	4.038E+00	2.001E+01	1.500E+01	1.326E+00
9.800E+03	2.044E-02	6.069E+02	9.583E+01	1.052E+01	4.047E+00	2.124E+01	1.607E+01	1.312E+00
1.000E+04	1.998E-02	6.177E+02	9.628E+01	1.059E+01	4.056E+00	2.269E+01	1.733E+01	1.298E+00
1.100E+04	1.971E-02	6.294E+02	9.685E+01	1.068E+01	4.064E+00	2.436E+01	1.886E+01	1.282E+00
1.200E+04	1.951E-02	6.428E+02	9.754E+01	1.078E+01	4.072E+00	2.636E+01	2.066E+01	1.267E+00
1.300E+04	1.937E-02	6.580E+02	9.836E+01	1.089E+01	4.080E+00	2.872E+01	2.280E+01	1.252E+00
1.400E+04	1.929E-02	6.750E+02	9.933E+01	1.102E+01	4.088E+00	3.148E+01	2.534E+01	1.237E+00
1.500E+04	1.926E-02	6.938E+02	1.004E+02	1.117E+01	4.096E+00	3.470E+01	2.834E+01	1.222E+00
1.600E+04	1.928E-02	7.145E+02	1.027E+02	1.134E+01	4.104E+00	3.834E+01	3.176E+01	1.207E+00
1.700E+04	1.935E-02	7.372E+02	1.062E+02	1.153E+01	4.112E+00	4.248E+01	3.556E+01	1.192E+00
1.800E+04	1.947E-02	7.628E+02	1.109E+02	1.174E+01	4.120E+00	4.710E+01	3.980E+01	1.177E+00
1.900E+04	1.964E-02	7.916E+02	1.169E+02	1.207E+01	4.128E+00	5.228E+01	4.444E+01	1.162E+00
2.000E+04	1.986E-02	8.238E+02	1.243E+02	1.252E+01	4.136E+00	5.810E+01	4.954E+01	1.147E+00
2.100E+04	2.014E-02	8.606E+02	1.333E+02	1.309E+01	4.144E+00	6.466E+01	5.516E+01	1.132E+00
2.200E+04	2.048E-02	9.022E+02	1.441E+02	1.379E+01	4.152E+00	7.206E+01	6.138E+01	1.117E+00
2.300E+04	2.088E-02	9.498E+02	1.570E+02	1.474E+01	4.160E+00	8.040E+01	6.830E+01	1.102E+00
2.400E+04	2.134E-02	1.004E+03	1.724E+02	1.596E+01	4.168E+00	9.070E+01	7.592E+01	1.087E+00
2.500E+04	2.186E-02	1.070E+03	1.908E+02	1.764E+01	4.176E+00	1.040E+02	8.434E+01	1.072E+00
2.600E+04	2.244E-02	1.148E+03	2.128E+02	1.984E+01	4.184E+00	1.200E+02	9.356E+01	1.057E+00
2.700E+04	2.318E-02	1.240E+03	2.390E+02	2.264E+01	4.192E+00	1.390E+02	1.036E+02	1.042E+00
2.800E+04	2.408E-02	1.358E+03	2.710E+02	2.634E+01	4.200E+00	1.610E+02	1.110E+02	1.027E+00
2.900E+04	2.514E-02	1.504E+03	3.100E+02	3.064E+01	4.208E+00	1.870E+02	1.188E+02	1.012E+00
3.000E+04	2.638E-02	1.680E+03	3.570E+02	3.564E+01	4.216E+00	2.180E+02	1.270E+02	1.000E+00
3.100E+04	2.780E-02	1.890E+03	4.140E+02	4.144E+01	4.224E+00	2.540E+02	1.356E+02	9.88E-01
3.200E+04	2.940E-02	2.140E+03	4.840E+02	4.844E+01	4.232E+00	2.960E+02	1.446E+02	9.76E-01
3.300E+04	3.120E-02	2.440E+03	5.680E+02	5.684E+01	4.240E+00	3.440E+02	1.540E+02	9.64E-01
3.400E+04	3.320E-02	2.800E+03	6.680E+02	6.684E+01	4.248E+00	4.000E+02	1.648E+02	9.52E-01
3.500E+04	3.540E-02	3.220E+03	7.960E+02	7.964E+01	4.256E+00	4.640E+02	1.770E+02	9.40E-01
3.600E+04	3.790E-02	3.720E+03	9.540E+02	9.544E+01	4.264E+00	5.360E+02	1.910E+02	9.28E-01
3.700E+04	4.070E-02	4.300E+03	1.146E+03	1.146E+02	4.272E+00	6.180E+02	2.060E+02	9.16E-01
3.800E+04	4.380E-02	4.960E+03	1.376E+03	1.376E+02	4.280E+00	7.120E+02	2.230E+02	9.04E-01
3.900E+04	4.720E-02	5.720E+03	1.650E+03	1.650E+02	4.288E+00	8.180E+02	2.420E+02	8.92E-01
4.000E+04	5.100E-02	6.600E+03	1.974E+03	1.974E+02	4.296E+00	9.380E+02	2.630E+02	8.80E-01
4.100E+04	5.520E-02	7.620E+03	2.354E+03	2.354E+02	4.304E+00	1.080E+03	2.860E+02	8.68E-01
4.200E+04	6.000E-02	8.880E+03	2.800E+03	2.800E+02	4.312E+00	1.250E+03	3.110E+02	8.56E-01
4.300E+04	6.540E-02	1.040E+04	3.320E+03	3.320E+02	4.320E+00	1.450E+03	3.380E+02	8.44E-01
4.400E+04	7.160E-02	1.220E+04	3.940E+03	3.940E+02	4.328E+00	1.680E+03	3.680E+02	8.32E-01
4.500E+04	7.880E-02	1.430E+04	4.680E+03	4.680E+02	4.336E+00	1.950E+03	4.000E+02	8.20E-01
4.600E+04	8.720E-02	1.680E+04	5.560E+03	5.560E+02	4.344E+00	2.260E+03	4.340E+02	8.08E-01
4.700E+04	9.680E-02	1.980E+04	6.600E+03	6.600E+02	4.352E+00	2.610E+03	4.700E+02	7.96E-01
4.800E+04	1.078E-01	2.340E+04	7.820E+03	7.820E+02	4.360E+00	3.000E+03	5.080E+02	7.84E-01
4.900E+04	1.202E-01	2.780E+04	9.240E+03	9.240E+02	4.368E+00	3.430E+03	5.480E+02	7.72E-01
5.000E+04	1.342E-01	3.300E+04	1.090E+04	1.090E+02	4.376E+00	3.910E+03	5.900E+02	7.60E-01

P/PD = 3.00E+00

T	RH0/RH0-0	H/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
5.000E+02	1.456E+00	3.573E+00	3.403E+01	1.456E+00	1.672E+00	3.400E+01	2.566E+01	1.194E+00
6.000E+02	1.052E+00	9.219E+00	3.826E+01	1.774E+00	1.932E+00	1.386E+01	1.052E+01	1.278E+00
7.000E+02	8.760E-01	1.179E+01	3.988E+01	1.999E+00	1.984E+00	8.484E+00	6.217E+00	1.354E+00
8.000E+02	7.623E-01	1.374E+01	4.094E+01	2.159E+00	1.995E+00	7.359E+00	5.884E+00	1.374E+00
9.000E+02	6.786E-01	1.558E+01	4.182E+01	2.292E+00	1.998E+00	6.412E+00	5.387E+00	1.379E+00
1.000E+03	6.086E-01	1.741E+01	4.260E+01	2.413E+00	1.999E+00	5.617E+00	5.026E+00	1.370E+00
1.100E+03	5.532E-01	1.926E+01	4.331E+01	2.523E+00	2.000E+00	4.910E+00	4.595E+00	1.364E+00
1.200E+03	5.079E-01	2.112E+01	4.397E+01	2.632E+00	2.000E+00	4.300E+00	4.194E+00	1.358E+00
1.300E+03	4.802E-01	2.301E+01	4.459E+01	2.733E+00	2.000E+00	3.793E+00	3.831E+00	1.352E+00
1.400E+03	4.595E-01	2.492E+01	4.516E+01	2.830E+00	2.000E+00	3.386E+00	3.470E+00	1.346E+00
1.500E+03	4.456E-01	2.684E+01	4.570E+01	2.923E+00	2.000E+00	2.980E+00	3.110E+00	1.340E+00
1.600E+03	4.302E-01	2.882E+01	4.622E+01	3.013E+00	2.000E+00	2.580E+00	2.750E+00	1.334E+00
1.700E+03	4.178E-01	3.081E+01	4.671E+01	3.100E+00	2.000E+00	2.180E+00	2.400E+00	1.328E+00
1.800E+03	4.079E-01	3.283E+01	4.718E+01	3.182E+00	2.000E+00	1.780E+00	2.050E+00	1.322E+00
1.900E+03	3.998E-01	3.488E+01	4.763E+01	3.262E+00	2.000E+00	1.380E+00	1.700E+00	1.317E+00
2.000E+03	3.943E-01	3.697E+01	4.806E+01	3.337E+00	2.001E+00	9.80E+00	1.350E+00	1.312E+00
2.100E+03	3.902E-01	3.913E+01	4.839E+01	3.407E+00	2.002E+00	8.00E+00	1.190E+00	1.307E+00
2.200E+03	3.871E-01	4.137E+01	4.869E+01	3.472E+00	2.003E+00	6.50E+00	1.030E+00	1.302E+00
2.300E+03	3.849E-01	4.373E+01	4.894E+01	3.533E+00	2.004E+00	5.20E+00	8.80E+00	1.297E+00
2.400E+03	3.832E-01	4.623E+01	4.915E+01	3.591E+00	2.005E+00	4.10E+00	7.40E+00	1.292E+00
2.500E+03	3.818E-01	4.889E+01	4.932E+01	3.646E+00	2.006E+00	3.10E+00	6.10E+00	1.287E+00
2.600E+03	3.808E-01	5.172E+01	4.946E+01	3.700E+00	2.007E+00	2.20E+00	5.00E+00	1.282E+00
2.700E+03	3.800E-01	5.474E+01	4.958E+01	3.752E+00	2.008E+00	1.40E+00	4.00E+00	1.277E+00
2.800E+03	3.794E-01	5.794E+01	4.968E+01	3.801E+00	2.009E+00	7.00E+00	3.10E+00	1.272E+00
2.900E+03	3.790E-01	6.132E+01	4.976E+01	3.847E+00	2.010E+00	5.00E+00	2.30E+00	1.267E+00
3.000E+03	3.788E-01	6.488E+01	4.982E+01	3.891E+00	2.011E+00	3.50E+00	1.60E+00	1.262E+00
3.100E+03	3.788E-01	6.862E+01	4.987E+01	3.934E+00	2.012E+00	2.50E+00	1.10E+00	1.257E+00
3.200E+03	3.789E-01	7.254E+01	4.990E+01	3.976E+00	2.013E+00	1.80E+00	8.00E+00	1.252E+00
3.300E+03	3.791E-01	7.664E+01	4.992E+01	4.017E+00	2.014E+00	1.20E+00	5.50E+00	1.247E+00
3.400E+03	3.794E-01	8.092E+01	4.993E+01	4.057E+00	2.015E+00	7.00E+00	4.00E+00	1.242E+00
3.500E+03	3.798E-01	8.538E+01	4.993E+01	4.096E+00	2.016E+00	4.50E+00	2.80E+00	1.237E+00
3.600E+03	3.803E-01	9.002E+01	4.992E+01	4.134E+00	2.017E+00	3.00E+00	1.80E+00	1.232E+00
3.700E+03	3.809E-01	9.484E+01	4.990E+01	4.171E+00	2.018E+00	2.00E+00	1.20E+00	1.227E+00
3.800E+03	3.816E-01	1.008E+02	4.987E+01	4.207E+00	2.019E+00	1.30E+00	8.00E+00	1.222E+00
3.900E+03	3.824E-01	1.078E+02	4.983E+01	4.242E+00	2.020E+00	8.00E+00	5.50E+00	1.217E+00
4.000E+03	3.833E-01	1.154E+02	4.978E+01	4.276E+00	2.021E+00	5.00E+00	3.80E+00	1.212E+00
4.100E+03	3.843E-01	1.236E+02	4.972E+01	4.309E+00	2.022E+00	3.50E+00	2.60E+00	1.207E+00
4.200E+03	3.854E-01	1.324E+02	4.965E+01	4.341E+00	2.023E+00	2.50E+00	1.80E+00	1.202E+00
4.300E+03	3.866E-01	1.418E+02	4.957E+01	4.372E+00	2.024E+00	1.70E+00	1.20E+00	1.197E+00
4.400E+03	3.879E-01	1.518E+02	4.948E+01	4.402E+00	2.025E+00	1.10E+00	8.00E+00	1.192E+00
4.500E+03	3.893E-01	1.624E+02	4.938E+01	4.431E+00	2.026E+00	7.00E+00	5.50E+00	1.187E+00
4.600E+03	3.908E-01	1.736E+02	4.927E+01	4.459E+00	2.027E+00	4.50E+00	3.80E+00	1.182E+00
4.700E+03	3.924E-01	1.854E+02	4.915E+01	4.486E+00	2.028E+00	3.00E+00	2.60E+00	1.177E+00
4.800E+03	3.941E-01	1.978E+02	4.902E+01	4.512E+00	2.029E+00	2.00E+00	1.80E+00	1.172E+00
4.900E+03	3.959E-01	2.108E+02	4.888E+01	4.537E+00	2.030E+00	1.30E+00	1.20E+00	1.167E+00

TABLE I. - Continued

T	RHO/RHO-0	M/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
3.400E+33	1.607E-01	9.787E+01	5.680E+01	4.327E+00	2.227E+00	3.815E+01	3.126E+01	1.163E+00
3.500E+33	1.522E-01	1.079E+02	5.798E+01	4.445E+00	2.283E+00	4.299E+01	3.491E+01	1.163E+00
3.600E+33	1.439E-01	1.191E+02	5.926E+01	4.574E+00	2.349E+00	4.782E+01	3.844E+01	1.164E+00
3.700E+33	1.358E-01	1.315E+02	6.064E+01	4.712E+00	2.422E+00	5.237E+01	4.166E+01	1.166E+00
3.800E+33	1.279E-01	1.449E+02	6.209E+01	4.861E+00	2.503E+00	5.633E+01	4.455E+01	1.168E+00
3.900E+33	1.204E-01	1.592E+02	6.359E+01	5.016E+00	2.590E+00	5.994E+01	4.678E+01	1.172E+00
4.000E+33	1.134E-01	1.740E+02	6.512E+01	5.178E+00	2.681E+00	6.108E+01	4.727E+01	1.176E+00
4.100E+33	1.070E-01	1.891E+02	6.663E+01	5.344E+00	2.774E+00	6.135E+01	4.720E+01	1.181E+00
4.200E+33	1.011E-01	2.041E+02	6.810E+01	5.511E+00	2.865E+00	6.009E+01	4.605E+01	1.187E+00
4.300E+33	9.589E-02	2.186E+02	6.948E+01	5.677E+00	2.952E+00	5.745E+01	4.394E+01	1.194E+00
4.400E+33	9.114E-02	2.323E+02	7.074E+01	5.841E+00	3.034E+00	5.374E+01	4.107E+01	1.202E+00
4.500E+33	8.700E-02	2.450E+02	7.192E+01	6.000E+00	3.108E+00	4.938E+01	3.773E+01	1.211E+00
4.600E+33	8.335E-02	2.566E+02	7.295E+01	6.154E+00	3.173E+00	4.478E+01	3.422E+01	1.221E+00
4.700E+33	8.014E-02	2.671E+02	7.387E+01	6.302E+00	3.230E+00	4.032E+01	3.081E+01	1.231E+00
4.800E+33	7.730E-02	2.765E+02	7.467E+01	6.444E+00	3.279E+00	3.626E+01	2.768E+01	1.241E+00
4.900E+33	7.474E-02	2.850E+02	7.538E+01	6.579E+00	3.320E+00	3.275E+01	2.447E+01	1.252E+00
5.000E+33	7.251E-02	2.927E+02	7.601E+01	6.708E+00	3.356E+00	2.966E+01	2.275E+01	1.261E+00
5.100E+33	7.058E-02	3.003E+02	7.657E+01	6.831E+00	3.387E+00	2.595E+01	1.975E+01	1.274E+00
5.200E+33	6.891E-02	3.063E+02	7.704E+01	6.941E+00	3.411E+00	2.419E+01	1.850E+01	1.277E+00
5.300E+33	6.746E-02	3.104E+02	7.741E+01	7.038E+00	3.429E+00	2.414E+01	1.863E+01	1.270E+00
5.400E+33	6.622E-02	3.126E+02	7.769E+01	7.121E+00	3.440E+00	2.414E+01	1.863E+01	1.270E+00
5.500E+33	6.516E-02	3.140E+02	7.788E+01	7.190E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
5.600E+33	6.426E-02	3.146E+02	7.798E+01	7.246E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
5.700E+33	6.349E-02	3.144E+02	7.798E+01	7.289E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
5.800E+33	6.284E-02	3.134E+02	7.788E+01	7.319E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
5.900E+33	6.230E-02	3.116E+02	7.764E+01	7.336E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.000E+33	6.187E-02	3.091E+02	7.728E+01	7.341E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.100E+33	6.154E-02	3.060E+02	7.680E+01	7.336E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.200E+33	6.130E-02	3.024E+02	7.621E+01	7.319E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.300E+33	6.114E-02	2.983E+02	7.552E+01	7.298E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.400E+33	6.105E-02	2.937E+02	7.474E+01	7.272E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.500E+33	6.102E-02	2.887E+02	7.387E+01	7.241E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.600E+33	6.105E-02	2.833E+02	7.291E+01	7.205E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.700E+33	6.114E-02	2.775E+02	7.186E+01	7.164E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.800E+33	6.130E-02	2.713E+02	7.072E+01	7.118E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
6.900E+33	6.154E-02	2.647E+02	6.948E+01	7.068E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.000E+33	6.187E-02	2.578E+02	6.814E+01	7.014E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.100E+33	6.230E-02	2.505E+02	6.670E+01	6.956E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.200E+33	6.284E-02	2.428E+02	6.517E+01	6.894E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.300E+33	6.349E-02	2.348E+02	6.345E+01	6.828E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.400E+33	6.426E-02	2.264E+02	6.156E+01	6.758E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.500E+33	6.516E-02	2.177E+02	5.952E+01	6.684E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.600E+33	6.622E-02	2.087E+02	5.734E+01	6.606E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.700E+33	6.746E-02	1.994E+02	5.502E+01	6.524E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.800E+33	6.891E-02	1.898E+02	5.257E+01	6.438E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
7.900E+33	7.058E-02	1.800E+02	5.000E+01	6.348E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.000E+33	7.251E-02	1.700E+02	4.730E+01	6.254E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.100E+33	7.474E-02	1.600E+02	4.447E+01	6.156E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.200E+33	7.730E-02	1.500E+02	4.152E+01	6.054E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.300E+33	8.014E-02	1.400E+02	3.845E+01	5.948E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.400E+33	8.335E-02	1.300E+02	3.527E+01	5.838E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.500E+33	8.691E-02	1.200E+02	3.200E+01	5.724E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.600E+33	9.114E-02	1.100E+02	2.869E+01	5.606E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.700E+33	9.589E-02	1.000E+02	2.527E+01	5.484E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.800E+33	1.011E-01	9.000E+01	2.174E+01	5.358E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
8.900E+33	1.070E-01	8.000E+01	1.811E+01	5.228E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.000E+33	1.134E-01	7.000E+01	1.439E+01	5.094E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.100E+33	1.204E-01	6.000E+01	1.067E+01	4.956E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.200E+33	1.279E-01	5.000E+01	7.959E+00	4.814E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.300E+33	1.358E-01	4.000E+01	5.266E+00	4.668E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.400E+33	1.439E-01	3.000E+01	2.578E+00	4.518E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.500E+33	1.522E-01	2.000E+01	9.864E+00	4.364E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.600E+33	1.607E-01	1.000E+01	3.000E+00	4.206E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.700E+33	1.700E-01	0.000E+00	0.000E+00	4.044E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.800E+33	1.800E-01	0.000E+00	0.000E+00	3.878E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
9.900E+33	1.900E-01	0.000E+00	0.000E+00	3.708E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.000E+34	2.000E-01	0.000E+00	0.000E+00	3.534E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.100E+34	2.100E-01	0.000E+00	0.000E+00	3.356E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.200E+34	2.200E-01	0.000E+00	0.000E+00	3.174E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.300E+34	2.300E-01	0.000E+00	0.000E+00	2.988E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.400E+34	2.400E-01	0.000E+00	0.000E+00	2.798E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.500E+34	2.500E-01	0.000E+00	0.000E+00	2.604E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.600E+34	2.600E-01	0.000E+00	0.000E+00	2.406E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.700E+34	2.700E-01	0.000E+00	0.000E+00	2.204E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.800E+34	2.800E-01	0.000E+00	0.000E+00	2.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
1.900E+34	2.900E-01	0.000E+00	0.000E+00	1.794E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.000E+34	3.000E-01	0.000E+00	0.000E+00	1.586E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.100E+34	3.100E-01	0.000E+00	0.000E+00	1.376E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.200E+34	3.200E-01	0.000E+00	0.000E+00	1.164E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.300E+34	3.300E-01	0.000E+00	0.000E+00	9.500E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.400E+34	3.400E-01	0.000E+00	0.000E+00	7.334E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.500E+34	3.500E-01	0.000E+00	0.000E+00	5.146E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.600E+34	3.600E-01	0.000E+00	0.000E+00	2.936E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.700E+34	3.700E-01	0.000E+00	0.000E+00	7.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.800E+34	3.800E-01	0.000E+00	0.000E+00	4.800E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
2.900E+34	3.900E-01	0.000E+00	0.000E+00	2.600E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.000E+34	4.000E-01	0.000E+00	0.000E+00	4.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.100E+34	4.100E-01	0.000E+00	0.000E+00	1.800E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.200E+34	4.200E-01	0.000E+00	0.000E+00	0.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.300E+34	4.300E-01	0.000E+00	0.000E+00	0.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.400E+34	4.400E-01	0.000E+00	0.000E+00	0.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.500E+34	4.500E-01	0.000E+00	0.000E+00	0.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.600E+34	4.600E-01	0.000E+00	0.000E+00	0.000E+00	3.446E+00	2.414E+01	1.863E+01	1.270E+00
3.700E+34	4.700E-01	0.0						

TABLE I. - Continued

P/PO = 4.00E+00

T	MHC/RMU-3	N/RTO	S/R	A/AC	Z	CP/R	CV/R	GAMMA
5.000E+02	2.000E+00	2.753E+00	3.289E+01	1.437E+03	1.618E+03	3.487E+01	2.419E+01	1.191E+00
6.000E+02	1.414E+00	6.908E+00	3.750E+01	1.757E+03	1.912E+03	1.555E+01	1.102E+01	1.268E+00
7.000E+02	1.171E+00	1.171E+01	3.924E+01	1.991E+03	1.979E+03	8.900E+00	6.547E+00	1.346E+00
8.000E+02	1.017E+00	1.371E+01	4.035E+01	2.156E+03	1.993E+03	7.884E+00	5.572E+00	1.372E+00
9.000E+02	9.024E-01	1.557E+01	4.124E+01	2.291E+03	1.997E+03	7.448E+00	5.417E+00	1.374E+00
1.000E+03	8.116E-01	1.741E+01	4.202E+01	2.412E+03	1.999E+03	7.451E+00	5.437E+00	1.376E+00
1.100E+03	7.376E-01	1.925E+01	4.274E+01	2.525E+03	1.999E+03	7.518E+00	5.509E+00	1.364E+00
1.200E+03	6.763E-01	2.112E+01	4.340E+01	2.632E+03	2.000E+03	7.602E+00	5.588E+00	1.358E+00
1.300E+03	6.270E-01	2.301E+01	4.401E+01	2.733E+03	2.000E+03	7.694E+00	5.672E+00	1.357E+00
1.400E+03	5.794E-01	2.492E+01	4.459E+01	2.830E+03	2.000E+03	7.787E+00	5.767E+00	1.346E+00
1.500E+03	5.400E-01	2.686E+01	4.513E+01	2.923E+03	2.000E+03	7.883E+00	5.867E+00	1.340E+00
1.600E+03	5.070E-01	2.882E+01	4.564E+01	3.013E+03	2.000E+03	7.975E+00	5.972E+00	1.339E+00
1.700E+03	4.771E-01	3.081E+01	4.613E+01	3.100E+03	2.000E+03	8.062E+00	6.077E+00	1.339E+00
1.800E+03	4.536E-01	3.282E+01	4.663E+01	3.183E+03	2.000E+03	8.145E+00	6.192E+00	1.324E+00
1.900E+03	4.266E-01	3.487E+01	4.709E+01	3.263E+03	2.000E+03	8.224E+00	6.328E+00	1.318E+00
2.000E+03	4.054E-01	3.696E+01	4.748E+01	3.339E+03	2.001E+03	8.300E+00	6.476E+00	1.310E+00
2.100E+03	3.860E-01	3.910E+01	4.781E+01	3.409E+03	2.001E+03	8.375E+00	6.626E+00	1.301E+00
2.200E+03	3.682E-01	4.132E+01	4.810E+01	3.476E+03	2.002E+03	8.447E+00	6.778E+00	1.290E+00
2.300E+03	3.519E-01	4.364E+01	4.835E+01	3.539E+03	2.002E+03	8.517E+00	6.932E+00	1.278E+00
2.400E+03	3.368E-01	4.611E+01	4.857E+01	3.597E+03	2.003E+03	1.029E+01	7.087E+00	1.264E+00
2.500E+03	3.227E-01	4.877E+01	4.861E+01	3.653E+03	2.003E+03	1.113E+01	7.243E+00	1.249E+00
2.600E+03	3.094E-01	5.167E+01	4.858E+01	3.708E+03	2.003E+03	1.197E+01	7.399E+00	1.234E+00
2.700E+03	2.969E-01	5.489E+01	4.837E+01	3.763E+03	2.004E+03	1.272E+01	7.555E+00	1.219E+00
2.800E+03	2.857E-01	5.852E+01	4.803E+01	3.818E+03	2.004E+03	1.347E+01	7.711E+00	1.204E+00
2.900E+03	2.757E-01	6.260E+01	4.759E+01	3.874E+03	2.004E+03	1.422E+01	7.867E+00	1.189E+00
3.000E+03	2.661E-01	6.720E+01	4.708E+01	3.930E+03	2.004E+03	1.497E+01	8.023E+00	1.174E+00
3.100E+03	2.573E-01	7.244E+01	4.654E+01	4.029E+03	2.005E+03	1.572E+01	8.179E+00	1.159E+00
3.200E+03	2.491E-01	7.834E+01	4.598E+01	4.113E+03	2.005E+03	1.647E+01	8.335E+00	1.144E+00
3.300E+03	2.415E-01	8.482E+01	4.541E+01	4.204E+03	2.005E+03	1.722E+01	8.491E+00	1.129E+00
3.400E+03	2.345E-01	9.198E+01	4.475E+01	4.303E+03	2.005E+03	1.797E+01	8.647E+00	1.114E+00
3.500E+03	2.283E-01	9.982E+01	4.409E+01	4.410E+03	2.005E+03	1.872E+01	8.803E+00	1.099E+00
3.600E+03	2.228E-01	1.083E+02	4.344E+01	4.525E+03	2.005E+03	1.947E+01	8.959E+00	1.084E+00
3.700E+03	2.179E-01	1.184E+02	4.279E+01	4.648E+03	2.005E+03	2.022E+01	9.115E+00	1.069E+00
3.800E+03	2.136E-01	1.300E+02	4.214E+01	4.779E+03	2.005E+03	2.097E+01	9.271E+00	1.054E+00
3.900E+03	2.098E-01	1.432E+02	4.149E+01	4.918E+03	2.005E+03	2.172E+01	9.427E+00	1.039E+00
4.000E+03	2.065E-01	1.580E+02	4.084E+01	5.065E+03	2.005E+03	2.247E+01	9.583E+00	1.024E+00
4.100E+03	2.037E-01	1.744E+02	4.019E+01	5.220E+03	2.005E+03	2.322E+01	9.739E+00	1.009E+00
4.200E+03	2.014E-01	1.926E+02	3.954E+01	5.383E+03	2.005E+03	2.397E+01	9.895E+00	9.946E-01
4.300E+03	1.995E-01	2.127E+02	3.889E+01	5.554E+03	2.005E+03	2.472E+01	1.005E+01	9.792E-01
4.400E+03	1.980E-01	2.348E+02	3.824E+01	5.733E+03	2.005E+03	2.547E+01	1.015E+01	9.638E-01
4.500E+03	1.968E-01	2.590E+02	3.759E+01	5.920E+03	2.005E+03	2.622E+01	1.025E+01	9.484E-01
4.600E+03	1.959E-01	2.854E+02	3.694E+01	6.115E+03	2.005E+03	2.697E+01	1.035E+01	9.330E-01
4.700E+03	1.952E-01	3.140E+02	3.629E+01	6.328E+03	2.005E+03	2.772E+01	1.045E+01	9.176E-01
4.800E+03	1.947E-01	3.449E+02	3.564E+01	6.559E+03	2.005E+03	2.847E+01	1.055E+01	9.022E-01
4.900E+03	1.944E-01	3.782E+02	3.499E+01	6.808E+03	2.005E+03	2.922E+01	1.065E+01	8.868E-01
5.000E+03	1.942E-01	4.140E+02	3.434E+01	7.075E+03	2.005E+03	2.997E+01	1.075E+01	8.714E-01
5.100E+03	1.941E-01	4.534E+02	3.369E+01	7.360E+03	2.005E+03	3.072E+01	1.085E+01	8.560E-01
5.200E+03	1.941E-01	4.964E+02	3.304E+01	7.663E+03	2.005E+03	3.147E+01	1.095E+01	8.406E-01
5.300E+03	1.941E-01	5.430E+02	3.239E+01	7.984E+03	2.005E+03	3.222E+01	1.105E+01	8.252E-01
5.400E+03	1.941E-01	5.944E+02	3.174E+01	8.323E+03	2.005E+03	3.297E+01	1.115E+01	8.098E-01
5.500E+03	1.941E-01	6.506E+02	3.109E+01	8.680E+03	2.005E+03	3.372E+01	1.125E+01	7.944E-01
5.600E+03	1.941E-01	7.218E+02	3.044E+01	9.055E+03	2.005E+03	3.447E+01	1.135E+01	7.790E-01
5.700E+03	1.941E-01	8.082E+02	2.979E+01	9.458E+03	2.005E+03	3.522E+01	1.145E+01	7.636E-01
5.800E+03	1.941E-01	9.108E+02	2.914E+01	9.889E+03	2.005E+03	3.597E+01	1.155E+01	7.482E-01
5.900E+03	1.941E-01	1.030E+03	2.849E+01	1.0448E+04	2.005E+03	3.672E+01	1.165E+01	7.328E-01
6.000E+03	1.941E-01	1.164E+03	2.784E+01	1.1128E+04	2.005E+03	3.747E+01	1.175E+01	7.174E-01
6.100E+03	1.941E-01	1.316E+03	2.729E+01	1.1940E+04	2.005E+03	3.822E+01	1.185E+01	7.020E-01
6.200E+03	1.941E-01	1.488E+03	2.674E+01	1.2896E+04	2.005E+03	3.897E+01	1.195E+01	6.866E-01
6.300E+03	1.941E-01	1.684E+03	2.619E+01	1.4008E+04	2.005E+03	3.972E+01	1.205E+01	6.712E-01
6.400E+03	1.941E-01	1.908E+03	2.564E+01	1.5288E+04	2.005E+03	4.047E+01	1.215E+01	6.558E-01
6.500E+03	1.941E-01	2.164E+03	2.509E+01	1.6748E+04	2.005E+03	4.122E+01	1.225E+01	6.404E-01
6.600E+03	1.941E-01	2.456E+03	2.454E+01	1.8400E+04	2.005E+03	4.197E+01	1.235E+01	6.250E-01
6.700E+03	1.941E-01	2.788E+03	2.399E+01	2.0256E+04	2.005E+03	4.272E+01	1.245E+01	6.096E-01
6.800E+03	1.941E-01	3.164E+03	2.344E+01	2.2328E+04	2.005E+03	4.347E+01	1.255E+01	5.942E-01
6.900E+03	1.941E-01	3.588E+03	2.289E+01	2.4628E+04	2.005E+03	4.422E+01	1.265E+01	5.788E-01
7.000E+03	1.941E-01	4.064E+03	2.234E+01	2.7168E+04	2.005E+03	4.497E+01	1.275E+01	5.634E-01
7.100E+03	1.941E-01	4.604E+03	2.179E+01	3.0048E+04	2.005E+03	4.572E+01	1.285E+01	5.480E-01
7.200E+03	1.941E-01	5.212E+03	2.124E+01	3.3280E+04	2.005E+03	4.647E+01	1.295E+01	5.326E-01
7.300E+03	1.941E-01	5.892E+03	2.069E+01	3.6872E+04	2.005E+03	4.722E+01	1.305E+01	5.172E-01
7.400E+03	1.941E-01	6.648E+03	2.014E+01	4.0832E+04	2.005E+03	4.797E+01	1.315E+01	5.018E-01
7.500E+03	1.941E-01	7.484E+03	1.959E+01	4.5272E+04	2.005E+03	4.872E+01	1.325E+01	4.864E-01
7.600E+03	1.941E-01	8.404E+03	1.904E+01	5.0208E+04	2.005E+03	4.947E+01	1.335E+01	4.710E-01
7.700E+03	1.941E-01	9.420E+03	1.849E+01	5.5648E+04	2.005E+03	5.022E+01	1.345E+01	4.556E-01
7.800E+03	1.941E-01	1.064E+04	1.794E+01	6.1600E+04	2.005E+03	5.097E+01	1.355E+01	4.402E-01
7.900E+03	1.941E-01	1.208E+04	1.739E+01	6.8168E+04	2.005E+03	5.172E+01	1.365E+01	4.248E-01
8.000E+03	1.941E-01	1.384E+04	1.684E+01	7.5360E+04	2.005E+03	5.247E+01	1.375E+01	4.094E-01
8.100E+03	1.941E-01	1.596E+04	1.629E+01	8.3200E+04	2.005E+03	5.322E+01	1.385E+01	3.940E-01
8.200E+03	1.941E-01	1.848E+04	1.574E+01	9.1808E+04	2.005E+03	5.397E+01	1.395E+01	3.786E-01
8.300E+03	1.941E-01	2.144E+04	1.519E+01	1.0228E+05	2.005E+03	5.472E+01	1.405E+01	3.632E-01
8.400E+03	1.941E-01	2.488E+04	1.464E+01	1.1468E+05	2.005E+03	5.547E+01	1.415E+01	3.478E-01
8.500E+03	1.941E-01	2.884E+04	1.409E+01	1.2912E+05	2.005E+03	5.622E+01	1.425E+01	3.324E-01
8.600E+03	1.941E-01	3.336E+04	1.354E+01	1.4572E+05	2.005E+03	5.697E+01	1.435E+01	3.170E-01
8.700E+03	1.941E-01	3.848E+04	1.299E+01	1.6468E+05	2.005E+03	5.772E+01	1.445E+01	3.016E-01
8.800E+03	1.941E-01	4.424E+04	1.244E+01	1.8612E+05	2.005E+03	5.847E+01	1.455E+01	2.862E-01
8.900E+03	1.941E-01	5.068E+04	1.189E+01	2.1024E+05	2.005E+03	5.922E+01	1.465E+01	2.708E-01
9.000E+03	1.941E-01	5.784E+04	1.134E+01	2.3712E+05	2.005E+03	5.997E+01	1.475E+01	2.554E-01
9.100E+03	1.941E-01	6.576E+04	1.079E+01	2.6700E+05	2.005E+03	6.072E+01	1.485E+01	2.400E-01
9.200E+03	1.941E-01	7.448E+04	1.024E+01	3.0008E+05	2.005E+03	6.147E+01	1.495E+01	2.246E-01
9.300E+03	1.941E-01	8.404E+04	9.69E+00	3.3648E+05	2.005E+03	6.222E+01	1.505E+01	2.092E-01
9.400E+03	1.941E-01	9.548E+04	9.14E+00	3.7632E+05	2.005E+03	6.297E+01	1.515E+01	1.938E-01
9.500E+03	1.941E-01	1.088E+05	8.59E+00	4.1972E+05	2.005E+03	6.372E+01	1.525E+01	1.784E-01
9.600E+03	1.941E-01	1.252E+05	8.04E+00	4.6688E+05	2.005E+03	6.447E+01	1.535E+01	1.630E-01
9.700E+03	1.941E-01	1.448E+05	7.49E+00	5.1800E+05	2.005E+03			

TABLE I. - Continued

I	R/G/A/D	H/W/T/O	S/R	A/A/O	C/P/R	C/V/R	GAMMA	
2.120E+04	2.037E+02	2.701E+03	1.463E+02	2.095E+01	2.442E+00	6.021E+01	4.322E+01	1.317E+00
2.220E+04	2.037E+02	2.871E+03	1.488E+02	2.200E+01	2.570E+00	6.799E+01	3.993E+01	1.357E+00
2.320E+04	2.112E+03	2.941E+03	1.508E+02	2.293E+01	2.640E+00	6.007E+01	2.781E+01	1.395E+00
2.420E+04	2.187E+03	3.032E+03	1.524E+02	2.370E+01	2.710E+00	3.950E+01	2.443E+01	1.420E+00
2.520E+04	2.262E+03	3.115E+03	1.538E+02	2.440E+01	2.770E+00	3.380E+01	2.332E+01	1.425E+00
2.620E+04	2.337E+03	3.202E+03	1.549E+02	2.500E+01	2.830E+00	3.480E+01	2.430E+01	1.400E+00
2.720E+04	2.412E+03	3.291E+03	1.558E+02	2.550E+01	2.880E+00	3.805E+01	2.519E+01	1.374E+00
2.820E+04	2.487E+03	3.382E+03	1.565E+02	2.600E+01	2.930E+00	4.324E+01	2.570E+01	1.347E+00
2.920E+04	2.562E+03	3.475E+03	1.570E+02	2.640E+01	2.980E+00	4.993E+01	2.572E+01	1.319E+00
3.020E+04	2.637E+03	3.570E+03	1.574E+02	2.680E+01	3.030E+00	5.879E+01	2.526E+01	1.290E+00
3.120E+04	2.712E+03	3.667E+03	1.577E+02	2.720E+01	3.080E+00	6.932E+01	2.484E+01	1.259E+00
3.220E+04	2.787E+03	3.766E+03	1.579E+02	2.760E+01	3.130E+00	8.202E+01	2.447E+01	1.226E+00
3.320E+04	2.862E+03	3.867E+03	1.580E+02	2.800E+01	3.180E+00	9.740E+01	2.414E+01	1.191E+00
3.420E+04	2.937E+03	3.970E+03	1.580E+02	2.840E+01	3.230E+00	1.150E+02	2.384E+01	1.154E+00
3.520E+04	3.012E+03	4.075E+03	1.579E+02	2.880E+01	3.280E+00	1.350E+02	2.356E+01	1.115E+00
3.620E+04	3.087E+03	4.182E+03	1.577E+02	2.920E+01	3.330E+00	1.570E+02	2.329E+01	1.074E+00
3.720E+04	3.162E+03	4.291E+03	1.574E+02	2.960E+01	3.380E+00	1.810E+02	2.303E+01	1.031E+00
3.820E+04	3.237E+03	4.402E+03	1.570E+02	3.000E+01	3.430E+00	2.070E+02	2.278E+01	9.860E-01
3.920E+04	3.312E+03	4.515E+03	1.565E+02	3.040E+01	3.480E+00	2.350E+02	2.253E+01	9.390E-01
4.020E+04	3.387E+03	4.630E+03	1.560E+02	3.080E+01	3.530E+00	2.650E+02	2.228E+01	8.900E-01
4.120E+04	3.462E+03	4.747E+03	1.554E+02	3.120E+01	3.580E+00	2.970E+02	2.203E+01	8.390E-01
4.220E+04	3.537E+03	4.866E+03	1.547E+02	3.160E+01	3.630E+00	3.310E+02	2.178E+01	7.860E-01
4.320E+04	3.612E+03	4.987E+03	1.540E+02	3.200E+01	3.680E+00	3.670E+02	2.153E+01	7.310E-01
4.420E+04	3.687E+03	5.110E+03	1.532E+02	3.240E+01	3.730E+00	4.050E+02	2.128E+01	6.740E-01
4.520E+04	3.762E+03	5.235E+03	1.524E+02	3.280E+01	3.780E+00	4.450E+02	2.103E+01	6.150E-01
4.620E+04	3.837E+03	5.362E+03	1.516E+02	3.320E+01	3.830E+00	4.870E+02	2.078E+01	5.540E-01
4.720E+04	3.912E+03	5.491E+03	1.507E+02	3.360E+01	3.880E+00	5.310E+02	2.053E+01	4.910E-01
4.820E+04	3.987E+03	5.622E+03	1.498E+02	3.400E+01	3.930E+00	5.760E+02	2.028E+01	4.260E-01
4.920E+04	4.062E+03	5.755E+03	1.489E+02	3.440E+01	3.980E+00	6.230E+02	2.003E+01	3.590E-01
5.020E+04	4.137E+03	5.890E+03	1.480E+02	3.480E+01	4.030E+00	6.720E+02	1.978E+01	2.910E-01

W/P/O = 4.00E+00

I	R/G/A/D	H/W/T/O	S/R	A/A/O	Z	C/P/R	C/V/R	GAMMA
5.000E+02	2.575E+00	2.15E+00	3.201E+01	1.411E+00	1.575E+00	3.448E+01	2.620E+01	1.140E+00
6.780E+02	1.845E+00	8.617E+00	3.668E+01	1.742E+00	1.894E+00	1.707E+01	1.257E+01	1.277E+00
7.035E+02	1.463E+00	1.163E+01	3.878E+01	1.982E+00	1.974E+00	9.304E+00	6.865E+00	1.338E+00
8.003E+02	1.273E+00	1.388E+01	3.980E+01	2.184E+00	1.927E+00	7.770E+00	5.657E+00	1.367E+00
9.030E+02	1.124E+00	1.556E+01	4.079E+01	2.340E+00	1.897E+00	7.488E+00	5.442E+00	1.373E+00
1.000E+03	1.015E+00	1.740E+01	4.159E+01	2.462E+00	1.890E+00	7.465E+00	5.447E+00	1.369E+00
1.100E+03	9.215E-01	1.925E+01	4.229E+01	2.525E+00	1.909E+00	7.522E+00	5.514E+00	1.364E+00
1.200E+03	8.451E-01	2.112E+01	4.293E+01	2.613E+00	2.007E+00	7.675E+00	5.660E+00	1.358E+00
1.300E+03	7.830E-01	2.301E+01	4.356E+01	2.733E+00	2.080E+00	7.809E+00	5.879E+00	1.352E+00
1.400E+03	7.243E-01	2.492E+01	4.414E+01	2.830E+00	2.080E+00	7.929E+00	6.170E+00	1.346E+00
1.500E+03	6.760E-01	2.684E+01	4.468E+01	2.923E+00	2.080E+00	8.033E+00	6.508E+00	1.340E+00
1.600E+03	6.377E-01	2.877E+01	4.522E+01	3.013E+00	2.080E+00	8.171E+00	6.884E+00	1.334E+00
1.700E+03	6.044E-01	3.081E+01	4.569E+01	3.102E+00	2.080E+00	8.324E+00	7.297E+00	1.328E+00
1.800E+03	5.757E-01	3.284E+01	4.615E+01	3.189E+00	2.080E+00	8.488E+00	7.740E+00	1.322E+00
1.900E+03	5.513E-01	3.486E+01	4.660E+01	3.263E+00	2.080E+00	8.662E+00	8.211E+00	1.316E+00
2.000E+03	5.304E-01	3.685E+01	4.703E+01	3.339E+00	2.081E+00	8.846E+00	8.711E+00	1.310E+00
2.100E+03	5.124E-01	3.882E+01	4.744E+01	3.411E+00	2.081E+00	9.040E+00	9.231E+00	1.304E+00
2.200E+03	4.964E-01	4.078E+01	4.787E+01	3.479E+00	2.082E+00	9.244E+00	9.771E+00	1.298E+00
2.300E+03	4.824E-01	4.274E+01	4.829E+01	3.542E+00	2.082E+00	9.457E+00	1.033E+01	1.292E+00
2.400E+03	4.704E-01	4.471E+01	4.871E+01	3.602E+00	2.083E+00	9.679E+00	1.091E+01	1.286E+00
2.500E+03	4.604E-01	4.668E+01	4.914E+01	3.659E+00	2.084E+00	9.910E+00	1.150E+01	1.280E+00
2.600E+03	4.524E-01	4.865E+01	4.959E+01	3.714E+00	2.085E+00	1.014E+01	1.210E+01	1.274E+00
2.700E+03	4.454E-01	5.062E+01	5.007E+01	3.768E+00	2.077E+00	1.039E+01	1.270E+01	1.268E+00
2.800E+03	4.394E-01	5.259E+01	5.058E+01	3.820E+00	2.032E+00	1.070E+01	1.330E+01	1.262E+00
2.900E+03	4.344E-01	5.456E+01	5.113E+01	3.869E+00	2.044E+00	1.102E+01	1.390E+01	1.256E+00
3.000E+03	4.294E-01	5.653E+01	5.174E+01	3.925E+00	2.061E+00	1.137E+01	1.450E+01	1.250E+00
3.100E+03	4.254E-01	5.850E+01	5.241E+01	3.978E+00	2.081E+00	1.174E+01	1.510E+01	1.244E+00
3.200E+03	4.214E-01	6.047E+01	5.314E+01	4.029E+00	2.107E+00	1.212E+01	1.570E+01	1.238E+00
3.300E+03	4.174E-01	6.244E+01	5.394E+01	4.078E+00	2.137E+00	1.251E+01	1.630E+01	1.232E+00
3.400E+03	4.134E-01	6.441E+01	5.479E+01	4.126E+00	2.170E+00	1.291E+01	1.690E+01	1.226E+00
3.500E+03	4.094E-01	6.638E+01	5.568E+01	4.172E+00	2.206E+00	1.332E+01	1.750E+01	1.220E+00
3.600E+03	4.054E-01	6.835E+01	5.659E+01	4.216E+00	2.244E+00	1.374E+01	1.810E+01	1.214E+00
3.700E+03	4.014E-01	7.032E+01	5.752E+01	4.258E+00	2.284E+00	1.417E+01	1.870E+01	1.208E+00
3.800E+03	3.974E-01	7.229E+01	5.847E+01	4.300E+00	2.326E+00	1.461E+01	1.930E+01	1.202E+00
3.900E+03	3.934E-01	7.426E+01	5.944E+01	4.341E+00	2.370E+00	1.506E+01	1.990E+01	1.196E+00
4.000E+03	3.894E-01	7.623E+01	6.042E+01	4.381E+00	2.416E+00	1.552E+01	2.050E+01	1.190E+00
4.100E+03	3.854E-01	7.820E+01	6.142E+01	4.421E+00	2.464E+00	1.600E+01	2.110E+01	1.184E+00
4.200E+03	3.814E-01	8.017E+01	6.243E+01	4.460E+00	2.514E+00	1.649E+01	2.170E+01	1.178E+00
4.300E+03	3.774E-01	8.214E+01	6.345E+01	4.500E+00	2.566E+00	1.700E+01	2.230E+01	1.172E+00
4.400E+03	3.734E-01	8.411E+01	6.448E+01	4.539E+00	2.620E+00	1.752E+01	2.290E+01	1.166E+00
4.500E+03	3.694E-01	8.608E+01	6.552E+01	4.578E+00	2.676E+00	1.805E+01	2.350E+01	1.160E+00
4.600E+03	3.654E-01	8.805E+01	6.657E+01	4.616E+00	2.734E+00	1.860E+01	2.410E+01	1.154E+00
4.700E+03	3.614E-01	9.002E+01	6.763E+01	4.654E+00	2.794E+00	1.916E+01	2.470E+01	1.148E+00
4.800E+03	3.574E-01	9.199E+01	6.870E+01	4.692E+00	2.856E+00	1.974E+01	2.530E+01	1.142E+00
4.900E+03	3.534E-01	9.396E+01	6.978E+01	4.730E+00	2.920E+00	2.033E+01	2.590E+01	1.136E+00
5.000E+03	3.494E-01	9.593E+01	7.086E+01	4.768E+00	2.986E+00	2.094E+01	2.650E+01	1.130E+00

TABLE I. - Continued

T	RHC/RHU-0	M/RTO	S/A	A/AD	Z	CP/A	CV/A	GAMMA
4.900E+33	1.283E-01	2.717E+02	7.261E+01	6.449E+00	3.277E+00	3.876E+01	2.463E+01	1.237E+00
5.000E+33	1.233E-01	2.690E+02	7.333E+01	6.595E+00	3.273E+00	3.576E+01	2.463E+01	1.247E+00
5.200E+33	1.185E-01	2.708E+02	7.462E+01	6.836E+00	3.347E+00	2.996E+01	2.271E+01	1.263E+00
5.400E+33	1.133E-01	2.704E+02	7.590E+01	7.093E+00	3.406E+00	2.653E+01	2.017E+01	1.273E+00
5.600E+33	1.080E-01	2.722E+02	7.661E+01	7.336E+00	3.448E+00	2.499E+01	1.908E+01	1.275E+00
5.800E+33	1.025E-01	2.739E+02	7.749E+01	7.503E+00	3.485E+00	2.409E+01	1.817E+01	1.269E+00
6.000E+33	9.692E-02	2.747E+02	7.839E+01	7.594E+00	3.520E+00	2.366E+01	2.016E+01	1.258E+00
6.200E+33	9.223E-02	2.731E+02	7.922E+01	7.634E+00	3.554E+00	2.377E+01	2.176E+01	1.244E+00
6.400E+33	8.877E-02	2.732E+02	8.013E+01	7.748E+00	3.589E+00	2.407E+01	2.367E+01	1.236E+00
6.600E+33	8.570E-02	2.705E+02	8.108E+01	7.809E+00	3.627E+00	2.471E+01	2.561E+01	1.228E+00
6.800E+33	8.304E-02	2.669E+02	8.207E+01	7.846E+00	3.666E+00	2.543E+01	2.724E+01	1.223E+00
7.000E+33	8.078E-02	2.624E+02	8.308E+01	7.854E+00	3.705E+00	2.627E+01	2.877E+01	1.227E+00
7.200E+33	7.892E-02	2.571E+02	8.409E+01	7.834E+00	3.754E+00	2.706E+01	2.946E+01	1.224E+00
7.400E+33	7.746E-02	2.510E+02	8.506E+01	7.795E+00	3.796E+00	2.791E+01	2.775E+01	1.230E+00
7.600E+33	7.639E-02	2.445E+02	8.597E+01	7.738E+00	3.839E+00	2.871E+01	2.616E+01	1.240E+00
7.800E+33	7.571E-02	2.378E+02	8.684E+01	7.664E+00	3.882E+00	2.946E+01	2.394E+01	1.253E+00
8.000E+33	7.540E-02	2.312E+02	8.765E+01	7.575E+00	3.901E+00	2.782E+01	2.171E+01	1.269E+00
8.200E+33	7.547E-02	2.248E+02	8.842E+01	7.472E+00	3.921E+00	2.676E+01	1.932E+01	1.289E+00
8.400E+33	7.591E-02	2.186E+02	8.917E+01	7.357E+00	3.940E+00	2.261E+01	1.709E+01	1.299E+00
8.600E+33	7.672E-02	2.126E+02	8.990E+01	7.231E+00	3.960E+00	2.070E+01	1.561E+01	1.328E+00
8.800E+33	7.790E-02	2.069E+02	9.074E+01	7.097E+00	3.976E+00	1.931E+01	1.423E+01	1.364E+00
9.000E+33	7.945E-02	2.015E+02	9.164E+01	6.957E+00	3.988E+00	1.843E+01	1.349E+01	1.355E+00
9.200E+33	8.137E-02	1.964E+02	9.258E+01	6.811E+00	3.997E+00	1.797E+01	1.311E+01	1.241E+00
9.400E+33	8.367E-02	1.916E+02	9.356E+01	6.660E+00	4.006E+00	1.788E+01	1.305E+01	1.361E+00
9.600E+33	8.634E-02	1.871E+02	9.458E+01	6.504E+00	4.015E+00	1.809E+01	1.324E+01	1.357E+00
9.800E+33	8.937E-02	1.829E+02	9.564E+01	6.344E+00	4.024E+00	1.855E+01	1.366E+01	1.349E+00
1.000E+34	9.276E-02	1.789E+02	9.674E+01	6.179E+00	4.032E+00	1.924E+01	1.427E+01	1.339E+00
1.100E+34	9.650E-02	1.750E+02	9.787E+01	6.009E+00	4.071E+00	2.024E+01	1.457E+01	1.283E+00
1.200E+34	1.006E-01	1.713E+02	9.902E+01	5.834E+00	4.100E+00	2.157E+01	2.019E+01	1.241E+00
1.300E+34	1.059E-01	1.678E+02	1.002E+02	5.654E+00	4.151E+00	2.306E+01	2.377E+01	1.217E+00
1.400E+34	1.119E-01	1.645E+02	1.014E+02	5.469E+00	4.192E+00	2.469E+01	2.661E+01	1.276E+00
1.500E+34	1.185E-01	1.614E+02	1.026E+02	5.279E+00	4.243E+00	2.646E+01	2.877E+01	1.276E+00
1.600E+34	1.257E-01	1.585E+02	1.038E+02	5.084E+00	4.294E+00	2.836E+01	3.024E+01	1.277E+00
1.700E+34	1.335E-01	1.558E+02	1.050E+02	4.884E+00	4.345E+00	3.036E+01	3.137E+01	1.277E+00
1.800E+34	1.419E-01	1.533E+02	1.062E+02	4.679E+00	4.396E+00	3.246E+01	3.216E+01	1.277E+00
1.900E+34	1.508E-01	1.509E+02	1.074E+02	4.469E+00	4.447E+00	3.464E+01	3.266E+01	1.277E+00
2.000E+34	1.602E-01	1.486E+02	1.086E+02	4.254E+00	4.498E+00	3.689E+01	3.296E+01	1.277E+00
2.100E+34	1.701E-01	1.464E+02	1.098E+02	4.034E+00	4.549E+00	3.928E+01	3.306E+01	1.277E+00
2.200E+34	1.805E-01	1.443E+02	1.110E+02	3.809E+00	4.600E+00	4.178E+01	3.296E+01	1.277E+00
2.300E+34	1.914E-01	1.423E+02	1.122E+02	3.579E+00	4.651E+00	4.436E+01	3.266E+01	1.277E+00
2.400E+34	2.028E-01	1.404E+02	1.134E+02	3.344E+00	4.692E+00	4.699E+01	3.216E+01	1.277E+00
2.500E+34	2.147E-01	1.386E+02	1.146E+02	3.104E+00	4.733E+00	4.966E+01	3.146E+01	1.277E+00
2.600E+34	2.271E-01	1.369E+02	1.158E+02	2.859E+00	4.774E+00	5.236E+01	3.056E+01	1.277E+00
2.700E+34	2.400E-01	1.353E+02	1.170E+02	2.609E+00	4.815E+00	5.508E+01	2.946E+01	1.277E+00
2.800E+34	2.534E-01	1.338E+02	1.182E+02	2.354E+00	4.856E+00	5.781E+01	2.816E+01	1.277E+00
2.900E+34	2.673E-01	1.324E+02	1.194E+02	2.094E+00	4.897E+00	6.054E+01	2.666E+01	1.277E+00
3.000E+34	2.817E-01	1.311E+02	1.206E+02	1.829E+00	4.938E+00	6.326E+01	2.496E+01	1.277E+00
3.100E+34	2.966E-01	1.299E+02	1.218E+02	1.559E+00	4.979E+00	6.597E+01	2.306E+01	1.277E+00
3.200E+34	3.120E-01	1.288E+02	1.230E+02	1.284E+00	5.020E+00	6.866E+01	2.096E+01	1.277E+00
3.300E+34	3.279E-01	1.278E+02	1.242E+02	1.004E+00	5.061E+00	7.133E+01	1.866E+01	1.277E+00
3.400E+34	3.443E-01	1.269E+02	1.254E+02	7.14E+00	5.102E+00	7.398E+01	1.616E+01	1.277E+00
3.500E+34	3.612E-01	1.261E+02	1.266E+02	4.14E+00	5.143E+00	7.660E+01	1.346E+01	1.277E+00
3.600E+34	3.786E-01	1.253E+02	1.278E+02	1.14E+00	5.184E+00	7.918E+01	1.066E+01	1.277E+00
3.700E+34	3.965E-01	1.246E+02	1.290E+02	8.34E+00	5.225E+00	8.172E+01	8.26E+00	1.277E+00
3.800E+34	4.149E-01	1.240E+02	1.302E+02	5.24E+00	5.266E+00	8.422E+01	6.36E+00	1.277E+00
3.900E+34	4.338E-01	1.234E+02	1.314E+02	2.14E+00	5.307E+00	8.668E+01	4.96E+00	1.277E+00
4.000E+34	4.532E-01	1.229E+02	1.326E+02	9.34E+00	5.348E+00	8.910E+01	3.96E+00	1.277E+00
4.100E+34	4.731E-01	1.224E+02	1.338E+02	6.24E+00	5.389E+00	9.148E+01	3.26E+00	1.277E+00
4.200E+34	4.935E-01	1.220E+02	1.350E+02	3.14E+00	5.430E+00	9.382E+01	2.86E+00	1.277E+00
4.300E+34	5.144E-01	1.216E+02	1.362E+02	1.04E+00	5.471E+00	9.612E+01	2.66E+00	1.277E+00
4.400E+34	5.358E-01	1.213E+02	1.374E+02	7.34E+00	5.512E+00	9.838E+01	2.56E+00	1.277E+00
4.500E+34	5.577E-01	1.210E+02	1.386E+02	4.24E+00	5.553E+00	1.006E+02	2.56E+00	1.277E+00
4.600E+34	5.801E-01	1.207E+02	1.398E+02	1.14E+00	5.594E+00	1.028E+02	2.56E+00	1.277E+00
4.700E+34	6.030E-01	1.205E+02	1.410E+02	8.34E+00	5.635E+00	1.050E+02	2.56E+00	1.277E+00
4.800E+34	6.264E-01	1.203E+02	1.422E+02	5.24E+00	5.676E+00	1.071E+02	2.56E+00	1.277E+00
4.900E+34	6.503E-01	1.201E+02	1.434E+02	2.14E+00	5.717E+00	1.092E+02	2.56E+00	1.277E+00
5.000E+34	6.747E-01	1.200E+02	1.446E+02	9.34E+00	5.758E+00	1.113E+02	2.56E+00	1.277E+00

P/P0 = 6.00E+00

T	RHC/RHU-0	M/RTO	S/A	A/AD	Z	CP/A	CV/A	GAMMA
5.000E+32	3.161E+00	1.579E+00	1.130E+01	1.399E+00	1.540E+00	3.471E+01	2.597E+01	1.167E+00
6.000E+32	2.161E+00	8.342E+00	1.639E+01	1.730E+00	1.876E+00	1.832E+01	1.340E+01	1.250E+00
7.000E+32	1.769E+00	1.199E+01	2.037E+01	1.976E+00	1.969E+00	9.494E+00	7.171E+00	1.472E+00
8.000E+32	1.526E+00	1.595E+01	2.392E+01	2.191E+00	1.990E+00	7.846E+00	5.747E+00	1.367E+00
9.000E+32	1.354E+00	1.959E+01	2.702E+01	2.389E+00	1.996E+00	6.466E+00	4.466E+00	1.272E+00
1.000E+33	1.218E+00	2.302E+01	3.021E+01	2.562E+00	1.998E+00	5.497E+00	3.495E+00	1.349E+00
1.100E+33	1.107E+00	2.628E+01	3.350E+01	2.704E+00	1.999E+00	4.828E+00	2.918E+00	1.364E+00
1.200E+33	1.014E+00	2.938E+01	3.689E+01	2.818E+00	1.999E+00	4.368E+00	2.607E+00	1.398E+00

TABLE I. - Continued

T	RMG/RMO-D	M/ATO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
1.300E+33	9.361E-01	2.301E+01	4.320E+01	2.733E+00	2.000E+00	7.642E+00	5.695E+00	1.352E+00
1.400E+33	8.491E-01	2.492E+01	4.378E+01	2.830E+00	2.000E+00	7.790E+00	5.788E+00	1.346E+00
1.500E+33	8.112E-01	2.686E+01	4.432E+01	2.923E+00	2.000E+00	7.883E+00	5.882E+00	1.340E+00
1.600E+33	7.745E-01	2.882E+01	4.483E+01	3.013E+00	2.000E+00	7.977E+00	5.975E+00	1.335E+00
1.700E+33	7.157E-01	3.081E+01	4.532E+01	3.100E+00	2.000E+00	8.074E+00	6.072E+00	1.330E+00
1.800E+33	6.759E-01	3.282E+01	4.579E+01	3.183E+00	2.000E+00	8.183E+00	6.179E+00	1.324E+00
1.900E+33	6.493E-01	3.486E+01	4.624E+01	3.264E+00	2.000E+00	8.313E+00	6.304E+00	1.318E+00
2.000E+33	6.382E-01	3.694E+01	4.667E+01	3.340E+00	2.001E+00	8.479E+00	6.463E+00	1.312E+00
2.100E+33	5.791E-01	3.907E+01	4.709E+01	3.417E+00	2.001E+00	8.702E+00	6.672E+00	1.306E+00
2.200E+33	5.525E-01	4.126E+01	4.750E+01	3.494E+00	2.002E+00	9.004E+00	6.952E+00	1.294E+00
2.300E+33	5.281E-01	4.354E+01	4.792E+01	3.563E+00	2.003E+00	9.414E+00	7.332E+00	1.283E+00
2.400E+33	5.055E-01	4.594E+01	4.833E+01	3.625E+00	2.006E+00	9.944E+00	7.831E+00	1.271E+00
2.500E+33	4.849E-01	4.850E+01	4.872E+01	3.683E+00	2.009E+00	1.069E+01	8.484E+00	1.257E+00
2.600E+33	4.663E-01	5.126E+01	4.919E+01	3.739E+00	2.013E+00	1.162E+01	9.319E+00	1.243E+00
2.700E+33	4.482E-01	5.428E+01	4.966E+01	3.775E+00	2.020E+00	1.280E+01	1.036E+01	1.229E+00
2.800E+33	4.284E-01	5.763E+01	5.015E+01	3.822E+00	2.029E+00	1.426E+01	1.164E+01	1.216E+00
2.900E+33	4.112E-01	6.177E+01	5.069E+01	3.892E+00	2.040E+00	1.603E+01	1.318E+01	1.205E+00
3.000E+33	3.946E-01	6.659E+01	5.127E+01	3.959E+00	2.055E+00	1.813E+01	1.498E+01	1.179E+00
3.100E+33	3.784E-01	7.238E+01	5.190E+01	4.027E+00	2.074E+00	2.059E+01	1.705E+01	1.187E+00
3.200E+33	3.624E-01	7.982E+01	5.260E+01	4.104E+00	2.098E+00	2.341E+01	1.939E+01	1.180E+00
3.300E+33	3.467E-01	8.899E+01	5.338E+01	4.188E+00	2.127E+00	2.658E+01	2.197E+01	1.176E+00
3.400E+33	3.310E-01	9.999E+01	5.422E+01	4.280E+00	2.162E+00	3.008E+01	2.475E+01	1.172E+00
3.500E+33	3.155E-01	1.136E+02	5.515E+01	4.380E+00	2.203E+00	3.385E+01	2.788E+01	1.171E+00
3.600E+33	3.002E-01	1.264E+02	5.616E+01	4.489E+00	2.251E+00	3.781E+01	3.088E+01	1.170E+00
3.700E+33	2.851E-01	1.381E+02	5.724E+01	4.607E+00	2.307E+00	4.184E+01	3.364E+01	1.170E+00
3.800E+33	2.722E-01	1.489E+02	5.843E+01	4.734E+00	2.369E+00	4.577E+01	3.643E+01	1.172E+00
3.900E+33	2.606E-01	1.581E+02	5.966E+01	4.870E+00	2.437E+00	4.970E+01	3.896E+01	1.174E+00
4.000E+33	2.422E-01	1.659E+02	6.096E+01	5.013E+00	2.512E+00	5.251E+01	4.102E+01	1.177E+00
4.100E+33	2.290E-01	1.639E+02	6.228E+01	5.163E+00	2.591E+00	5.487E+01	4.249E+01	1.180E+00
4.200E+33	2.167E-01	1.777E+02	6.363E+01	5.317E+00	2.674E+00	5.628E+01	4.326E+01	1.180E+00
4.300E+33	2.052E-01	1.916E+02	6.496E+01	5.475E+00	2.757E+00	5.680E+01	4.329E+01	1.185E+00
4.400E+33	1.947E-01	2.055E+02	6.625E+01	5.635E+00	2.840E+00	5.580E+01	4.248E+01	1.195E+00
4.500E+33	1.851E-01	2.196E+02	6.748E+01	5.794E+00	2.921E+00	5.297E+01	4.095E+01	1.202E+00
4.600E+33	1.755E-01	2.327E+02	6.864E+01	5.951E+00	2.996E+00	5.129E+01	3.887E+01	1.216E+00
4.700E+33	1.658E-01	2.442E+02	6.971E+01	6.104E+00	3.076E+00	4.802E+01	3.637E+01	1.216E+00
4.800E+33	1.619E-01	2.556E+02	7.068E+01	6.254E+00	3.150E+00	4.445E+01	3.364E+01	1.235E+00
4.900E+33	1.556E-01	2.661E+02	7.156E+01	6.398E+00	3.187E+00	4.084E+01	3.093E+01	1.235E+00
5.000E+33	1.503E-01	2.757E+02	7.235E+01	6.537E+00	3.237E+00	3.742E+01	2.834E+01	1.242E+00
5.100E+33	1.416E-01	2.826E+02	7.369E+01	6.675E+00	3.319E+00	3.166E+01	2.358E+01	1.258E+00
5.200E+33	1.333E-01	3.072E+02	7.481E+01	7.022E+00	3.381E+00	2.775E+01	2.104E+01	1.270E+00
5.300E+33	1.267E-01	3.272E+02	7.577E+01	7.214E+00	3.430E+00	2.564E+01	1.852E+01	1.275E+00
5.400E+33	1.229E-01	3.327E+02	7.666E+01	7.374E+00	3.470E+00	2.505E+01	1.822E+01	1.271E+00
5.500E+33	1.157E-01	3.451E+02	7.751E+01	7.512E+00	3.506E+00	2.470E+01	1.806E+01	1.262E+00
5.600E+33	1.109E-01	3.581E+02	7.837E+01	7.640E+00	3.540E+00	2.470E+01	2.118E+01	1.251E+00
5.700E+33	1.063E-01	3.719E+02	7.926E+01	7.768E+00	3.575E+00	2.904E+01	2.291E+01	1.240E+00
5.800E+33	1.021E-01	3.867E+02	8.019E+01	7.892E+00	3.612E+00	3.120E+01	2.479E+01	1.232E+00
5.900E+33	9.794E-02	4.026E+02	8.115E+01	8.047E+00	3.652E+00	3.327E+01	2.643E+01	1.227E+00
6.000E+33	9.412E-02	4.194E+02	8.214E+01	8.203E+00	3.693E+00	3.470E+01	2.784E+01	1.224E+00
6.100E+33	9.046E-02	4.367E+02	8.313E+01	8.370E+00	3.734E+00	3.538E+01	2.844E+01	1.225E+00
6.200E+33	8.704E-02	4.541E+02	8.409E+01	8.548E+00	3.778E+00	3.505E+01	2.778E+01	1.230E+00
6.300E+33	8.386E-02	4.711E+02	8.501E+01	8.734E+00	3.814E+00	3.370E+01	2.657E+01	1.237E+00
6.400E+33	8.093E-02	4.872E+02	8.586E+01	8.934E+00	3.855E+00	3.157E+01	2.488E+01	1.249E+00
6.500E+33	7.826E-02	5.021E+02	8.663E+01	9.139E+00	3.887E+00	2.888E+01	2.264E+01	1.264E+00
6.600E+33	7.582E-02	5.157E+02	8.731E+01	9.349E+00	3.914E+00	2.614E+01	2.005E+01	1.281E+00
6.700E+33	7.359E-02	5.279E+02	8.790E+01	9.581E+00	3.944E+00	2.363E+01	1.790E+01	1.301E+00
6.800E+33	7.155E-02	5.395E+02	8.847E+01	9.789E+00	3.954E+00	2.154E+01	1.611E+01	1.320E+00
6.900E+33	6.986E-02	5.492E+02	8.891E+01	9.985E+00	3.969E+00	1.995E+01	1.476E+01	1.337E+00
7.000E+33	6.790E-02	5.588E+02	8.935E+01	1.014E+01	3.982E+00	1.885E+01	1.387E+01	1.351E+00
7.100E+33	6.625E-02	5.679E+02	8.975E+01	1.030E+01	3.992E+00	1.820E+01	1.329E+01	1.379E+00
7.200E+33	6.489E-02	5.768E+02	9.014E+01	1.043E+01	4.001E+00	1.793E+01	1.307E+01	1.362E+00
7.300E+33	6.271E-02	5.856E+02	9.052E+01	1.055E+01	4.010E+00	1.797E+01	1.313E+01	1.360E+00
7.400E+33	6.179E-02	5.946E+02	9.089E+01	1.065E+01	4.019E+00	1.820E+01	1.341E+01	1.354E+00
7.500E+33	6.025E-02	6.037E+02	9.127E+01	1.073E+01	4.027E+00	1.883E+01	1.389E+01	1.346E+00
7.600E+33	5.814E-02	6.126E+02	9.164E+01	1.110E+01	4.082E+00	2.427E+01	1.859E+01	1.291E+00
7.700E+33	5.619E-02	6.267E+02	9.277E+01	1.153E+01	4.173E+00	3.372E+01	2.645E+01	1.248E+00
7.800E+33	5.432E-02	6.459E+02	9.497E+01	1.208E+01	4.320E+00	4.709E+01	3.714E+01	1.223E+00
7.900E+33	5.275E-02	6.618E+02	1.031E+02	1.279E+01	4.541E+00	6.401E+01	4.998E+01	1.210E+00
8.000E+33	5.143E-02	1.143E+03	1.081E+02	1.369E+01	4.847E+00	8.291E+01	6.348E+01	1.200E+00
8.100E+33	2.407E-02	1.370E+03	1.140E+02	1.467E+01	5.238E+00	1.003E+02	7.911E+01	1.208E+00
8.200E+33	2.514E-02	1.632E+03	1.205E+02	1.581E+01	5.693E+00	1.114E+02	8.183E+01	1.215E+00
8.300E+33	2.132E-02	1.910E+03	1.269E+02	1.701E+01	6.167E+00	1.212E+02	8.147E+01	1.226E+00
8.400E+33	1.437E-02	2.177E+03	1.328E+02	1.822E+01	6.610E+00	1.624E+02	7.407E+01	1.243E+00
8.500E+33	1.747E-02	2.410E+03	1.377E+02	1.979E+01	6.982E+00	2.257E+02	8.667E+01	1.266E+00
8.600E+33	1.594E-02	2.673E+03	1.415E+02	2.050E+01	7.269E+00	7.016E+01	5.041E+01	1.249E+00
8.700E+33	1.479E-02	2.758E+03	1.444E+02	2.157E+01	7.477E+00	5.628E+01	4.003E+01	1.330E+00
8.800E+33	1.367E-02	2.884E+03	1.467E+02	2.259E+01	7.625E+00	4.611E+01	3.234E+01	1.367E+00
8.900E+33	1.312E-02	2.989E+03	1.484E+02	2.349E+01	7.770E+00	3.947E+01	2.730E+01	1.399E+00
9.000E+33	1.247E-02	3.081E+03	1.500E+02	2.426E+01	7.807E+00	3.581E+01	2.468E+01	1.419E+00
9.100E+33	1.197E-02	3.167E+03	1.514E+02	2.484E+01	7.867E+00	3.471E+01	2.394E+01	1.419E+00
9.200E+33	1.138E-02	3.254E+03	1.527E+02	2.523E+01	7.920E+00	3.590E+01	2.514E+01	1.401E+00
9.300E+33	1.090E-02	3.340E+03	1.541E+02	2.551E+01	7.973E+00	3.916E+01	2.801E+01	1.371E+00
9.400E+33	1.045E-02	3.449E+03	1.555E+02	2.576E+01	8.032E+00	4.412E+01	3.222E+01	1.341E+00
9.500E+33	1.011E-02	3.559E+03	1.571E+02	2.607E+01	8.101E+00	5.007E+01	3.715E+01	1.316E+00
9.600E+33	9.531E-03	3.675E+03	1.589E+02	2.646E+01	8.182E+00	5.591E+01	4.137E+01	1.299E+00
9.700E+33	9.191E-03	3.789E+03	1.607E+02	2.699E+01	8.273E+00	6.034E+01	4.540E+01	1.290E+00
9.800E+33	8.899E-03	3.911E+03	1.626E+02	2.751E+01	8.370E+00	6.259E+01	4.761E+01	1.289E+00
9.900E+33	8.452E-03	4.146E+03	1.645E+02	2.814E+01	8.467E+00	6.221E+01	4.654E+01	1.294E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
3.500E+04	6.123E-03	4.290E+03	1.662E+02	2.802E+01	8.559E+00	5.966E+01	4.434E+01	1.305E+00
3.600E+04	7.022E-03	4.639E+03	1.679E+02	2.954E+01	8.642E+00	5.575E+01	4.109E+01	1.319E+00
3.700E+04	7.548E-03	4.957E+03	1.693E+02	3.027E+01	8.715E+00	5.141E+01	3.751E+01	1.337E+00
3.800E+04	7.299E-03	4.693E+03	1.707E+02	3.099E+01	8.773E+00	4.736E+01	3.420E+01	1.355E+00
3.900E+04	7.071E-03	4.405E+03	1.716E+02	3.166E+01	8.823E+00	4.409E+01	3.154E+01	1.372E+00
4.000E+04	6.861E-03	4.911E+03	1.729E+02	3.230E+01	8.866E+00	4.185E+01	2.974E+01	1.388E+00
4.100E+04	6.666E-03	5.012E+03	1.739E+02	3.282E+01	8.903E+00	4.076E+01	2.894E+01	1.388E+00
4.200E+04	6.483E-03	5.115E+03	1.749E+02	3.323E+01	8.937E+00	4.007E+01	2.913E+01	1.384E+00
4.300E+04	6.307E-03	5.215E+03	1.759E+02	3.355E+01	8.969E+00	4.216E+01	3.030E+01	1.373E+00
4.400E+04	6.143E-03	5.322E+03	1.769E+02	3.380E+01	9.003E+00	4.457E+01	3.240E+01	1.357E+00
4.500E+04	5.982E-03	5.436E+03	1.779E+02	3.402E+01	9.040E+00	4.798E+01	3.531E+01	1.330E+00
4.600E+04	5.825E-03	5.559E+03	1.790E+02	3.424E+01	9.081E+00	5.216E+01	3.884E+01	1.321E+00
4.700E+04	5.672E-03	5.693E+03	1.802E+02	3.450E+01	9.127E+00	5.680E+01	4.271E+01	1.305E+00
4.800E+04	5.522E-03	5.839E+03	1.815E+02	3.480E+01	9.180E+00	6.169E+01	4.656E+01	1.295E+00
4.900E+04	5.376E-03	5.996E+03	1.828E+02	3.515E+01	9.238E+00	6.575E+01	5.001E+01	1.284E+00
5.000E+04	5.235E-03	6.163E+03	1.841E+02	3.554E+01	9.300E+00	6.914E+01	5.270E+01	1.279E+00

P/PO = 7.00E+00

T	RHO/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	3.759E+00	1.131E+00	3.070E+01	1.381E+00	1.510E+00	3.425E+01	2.563E+01	1.188E+00
6.000E+02	2.544E+00	8.083E+00	3.589E+01	1.719E+00	1.660E+00	1.966E+01	1.474E+01	1.245E+00
7.000E+02	2.065E+00	1.147E+01	3.802E+01	1.969E+00	1.964E+00	1.007E+01	7.467E+00	1.326E+00
8.000E+02	1.784E+00	1.363E+01	3.920E+01	2.146E+00	1.989E+00	7.993E+00	5.827E+00	1.365E+00
9.000E+02	1.581E+00	1.554E+01	4.011E+01	2.288E+00	1.996E+00	7.555E+00	5.496E+00	1.372E+00
1.000E+03	1.421E+00	1.739E+01	4.090E+01	2.411E+00	1.998E+00	7.493E+00	5.468E+00	1.369E+00
1.100E+03	1.291E+00	1.924E+01	4.162E+01	2.524E+00	1.999E+00	7.535E+00	5.523E+00	1.364E+00
1.200E+03	1.183E+00	2.112E+01	4.228E+01	2.631E+00	1.999E+00	7.611E+00	5.605E+00	1.358E+00
1.300E+03	1.092E+00	2.301E+01	4.289E+01	2.733E+00	2.000E+00	7.700E+00	5.696E+00	1.351E+00
1.400E+03	1.014E+00	2.492E+01	4.347E+01	2.830E+00	2.000E+00	7.791E+00	5.789E+00	1.346E+00
1.500E+03	9.464E-01	2.686E+01	4.401E+01	2.923E+00	2.000E+00	7.883E+00	5.882E+00	1.340E+00
1.600E+03	8.872E-01	2.882E+01	4.452E+01	3.013E+00	2.000E+00	8.073E+00	5.974E+00	1.335E+00
1.700E+03	8.350E-01	3.081E+01	4.501E+01	3.100E+00	2.000E+00	8.179E+00	6.070E+00	1.330E+00
1.800E+03	7.886E-01	3.282E+01	4.548E+01	3.184E+00	2.000E+00	8.305E+00	6.175E+00	1.324E+00
1.900E+03	7.470E-01	3.486E+01	4.593E+01	3.264E+00	2.000E+00	8.446E+00	6.284E+00	1.319E+00
2.000E+03	7.095E-01	3.693E+01	4.636E+01	3.341E+00	2.001E+00	8.604E+00	6.407E+00	1.314E+00
2.100E+03	6.756E-01	3.906E+01	4.678E+01	3.414E+00	2.002E+00	8.780E+00	6.544E+00	1.309E+00
2.200E+03	6.446E-01	4.124E+01	4.719E+01	3.483E+00	2.002E+00	8.958E+00	6.691E+00	1.296E+00
2.300E+03	6.162E-01	4.351E+01	4.760E+01	3.547E+00	2.003E+00	9.140E+00	6.848E+00	1.285E+00
2.400E+03	5.909E-01	4.589E+01	4.801E+01	3.607E+00	2.003E+00	9.326E+00	7.015E+00	1.273E+00
2.500E+03	5.655E-01	4.841E+01	4.843E+01	3.667E+00	2.004E+00	9.515E+00	7.191E+00	1.260E+00
2.600E+03	5.425E-01	5.112E+01	4.886E+01	3.723E+00	2.012E+00	9.707E+00	7.376E+00	1.246E+00
2.700E+03	5.209E-01	5.409E+01	4.932E+01	3.779E+00	2.018E+00	9.902E+00	7.569E+00	1.233E+00
2.800E+03	5.003E-01	5.730E+01	4.980E+01	3.836E+00	2.027E+00	1.105E+01	7.770E+00	1.220E+00
2.900E+03	4.805E-01	6.096E+01	5.031E+01	3.895E+00	2.037E+00	1.220E+01	7.980E+00	1.208E+00
3.000E+03	4.613E-01	6.504E+01	5.087E+01	3.956E+00	2.051E+00	1.344E+01	8.197E+00	1.196E+00
3.100E+03	4.426E-01	6.963E+01	5.149E+01	4.027E+00	2.069E+00	1.473E+01	8.421E+00	1.183E+00
3.200E+03	4.243E-01	7.483E+01	5.216E+01	4.102E+00	2.091E+00	1.614E+01	8.654E+00	1.170E+00
3.300E+03	4.062E-01	8.072E+01	5.289E+01	4.184E+00	2.118E+00	1.765E+01	8.897E+00	1.157E+00
3.400E+03	3.883E-01	8.737E+01	5.370E+01	4.273E+00	2.150E+00	2.038E+01	9.150E+00	1.145E+00
3.500E+03	3.706E-01	9.487E+01	5.458E+01	4.369E+00	2.189E+00	2.430E+01	9.413E+00	1.133E+00
3.600E+03	3.531E-01	1.031E+02	5.554E+01	4.475E+00	2.233E+00	2.947E+01	9.686E+00	1.122E+00
3.700E+03	3.359E-01	1.124E+02	5.648E+01	4.589E+00	2.285E+00	3.607E+01	9.972E+00	1.112E+00
3.800E+03	3.189E-01	1.229E+02	5.769E+01	4.711E+00	2.343E+00	4.354E+01	1.027E+01	1.103E+00
3.900E+03	3.023E-01	1.341E+02	5.887E+01	4.842E+00	2.408E+00	5.175E+01	1.057E+01	1.094E+00
4.000E+03	2.863E-01	1.461E+02	6.011E+01	4.981E+00	2.479E+00	6.076E+01	1.094E+01	1.086E+00
4.100E+03	2.711E-01	1.589E+02	6.138E+01	5.126E+00	2.554E+00	7.046E+01	1.138E+01	1.079E+00
4.200E+03	2.566E-01	1.727E+02	6.268E+01	5.277E+00	2.634E+00	8.084E+01	1.187E+01	1.072E+00
4.300E+03	2.432E-01	1.858E+02	6.398E+01	5.432E+00	2.715E+00	9.195E+01	1.240E+01	1.066E+00
4.400E+03	2.307E-01	1.994E+02	6.526E+01	5.596E+00	2.797E+00	1.038E+01	1.297E+01	1.060E+00
4.500E+03	2.193E-01	2.129E+02	6.649E+01	5.774E+00	2.877E+00	1.172E+01	1.357E+01	1.054E+00
4.600E+03	2.089E-01	2.260E+02	6.766E+01	5.964E+00	2.954E+00	1.316E+01	1.420E+01	1.048E+00
4.700E+03	1.996E-01	2.389E+02	6.874E+01	6.165E+00	3.029E+00	1.469E+01	1.485E+01	1.043E+00
4.800E+03	1.913E-01	2.502E+02	6.974E+01	6.380E+00	3.092E+00	1.630E+01	1.552E+01	1.038E+00
4.900E+03	1.838E-01	2.610E+02	7.063E+01	6.604E+00	3.151E+00	1.797E+01	1.621E+01	1.033E+00
5.000E+03	1.772E-01	2.711E+02	7.148E+01	6.847E+00	3.205E+00	1.970E+01	1.692E+01	1.028E+00
5.100E+03	1.656E-01	2.808E+02	7.229E+01	7.109E+00	3.253E+00	2.149E+01	1.764E+01	1.023E+00
5.200E+03	1.549E-01	3.040E+02	7.405E+01	7.392E+00	3.300E+00	2.334E+01	1.837E+01	1.018E+00
5.300E+03	1.445E-01	3.175E+02	7.505E+01	7.694E+00	3.343E+00	2.526E+01	1.911E+01	1.013E+00
5.400E+03	1.346E-01	3.302E+02	7.593E+01	7.963E+00	3.355E+00	2.728E+01	1.985E+01	1.008E+00
5.500E+03	1.251E-01	3.427E+02	7.661E+01	8.208E+00	3.393E+00	2.940E+01	2.059E+01	1.003E+00
5.600E+03	1.198E-01	3.553E+02	7.766E+01	8.439E+00	3.328E+00	3.162E+01	2.133E+01	1.000E+00
5.700E+03	1.245E-01	3.681E+02	7.854E+01	8.677E+00	3.363E+00	3.394E+01	2.207E+01	1.000E+00
5.800E+03	1.195E-01	3.806E+02	7.944E+01	8.900E+00	3.300E+00	3.636E+01	2.280E+01	1.000E+00
5.900E+03	1.147E-01	3.931E+02	8.038E+01	9.118E+00	3.338E+00	3.887E+01	2.352E+01	1.000E+00
6.000E+03	1.102E-01	4.055E+02	8.134E+01	9.340E+00	3.379E+00	4.146E+01	2.424E+01	1.000E+00
7.000E+03	1.060E-01	4.325E+02	8.232E+01	9.577E+00	3.421E+00	4.413E+01	2.496E+01	1.000E+00
8.000E+03	1.020E-01	4.698E+02	8.328E+01	9.831E+00	3.463E+00	4.687E+01	2.567E+01	1.000E+00
9.000E+03	9.822E-02	5.068E+02	8.420E+01	1.010E+00	3.505E+00	4.968E+01	2.638E+01	1.000E+00
1.000E+04	9.477E-02	5.432E+02	8.506E+01	1.038E+00	3.547E+00	5.255E+01	2.708E+01	1.000E+00
1.100E+04	9.160E-02	5.794E+02	8.584E+01	1.066E+00	3.589E+00	5.548E+01	2.778E+01	1.000E+00
1.200E+04	8.871E-02	6.124E+02	8.654E+01	1.094E+00	3.630E+00	5.846E+01	2.847E+01	1.000E+00
1.300E+04	8.607E-02	6.431E+02	8.716E+01	1.116E+00	3.672E+00	6.149E+01	2.916E+01	1.000E+00
1.400E+04	8.364E-02	6.706E+02	8.771E+01	1.139E+00	3.714E+00	6.457E+01	3.000E+01	1.000E+00
1.500E+04	8.141E-02	6.972E+02	8.820E+01	1.162E+00	3.756E+00	6.770E+01	3.087E+01	1.000E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+03	7.934E-02	5.570E+02	8.465E+01	1.012E+01	3.976E+00	1.929E+01	1.420E+01	1.346E+00
9.200E+03	7.739E-02	5.663E+02	8.507E+01	1.020E+01	3.987E+00	1.847E+01	1.351E+01	1.356E+00
9.400E+03	7.556E-02	5.753E+02	8.546E+01	1.043E+01	3.997E+00	1.804E+01	1.316E+01	1.361E+00
9.600E+03	7.382E-02	5.841E+02	8.584E+01	1.055E+01	4.008E+00	1.794E+01	1.309E+01	1.361E+00
9.800E+03	7.216E-02	5.930E+02	8.621E+01	1.065E+01	4.015E+00	1.812E+01	1.326E+01	1.358E+00
1.000E+04	7.056E-02	6.020E+02	8.658E+01	1.075E+01	4.023E+00	1.854E+01	1.364E+01	1.351E+00
1.100E+04	6.933E-02	6.129E+02	8.705E+01	1.112E+01	4.075E+00	2.340E+01	1.782E+01	1.294E+00
1.200E+04	6.837E-02	6.205E+02	8.749E+01	1.154E+01	4.160E+00	3.210E+01	2.510E+01	1.254E+00
1.300E+04	6.763E-02	6.143E+02	8.796E+01	1.207E+01	4.297E+00	4.453E+01	3.507E+01	1.213E+00
1.400E+04	6.709E-02	6.143E+02	8.843E+01	1.275E+01	4.502E+00	6.039E+01	4.719E+01	1.208E+00
1.500E+04	6.672E-02	6.114E+03	1.066E+02	1.358E+01	4.787E+00	7.839E+01	6.016E+01	1.209E+00
1.600E+04	6.652E-02	1.329E+03	1.127E+02	1.456E+01	5.153E+00	9.555E+01	7.101E+01	1.216E+00
1.700E+04	6.648E-02	1.581E+03	1.184E+02	1.566E+01	5.588E+00	1.070E+02	7.937E+01	1.225E+00
1.800E+04	6.656E-02	1.853E+03	1.247E+02	1.684E+01	6.031E+00	1.108E+02	8.053E+01	1.208E+00
1.900E+04	6.671E-02	2.119E+03	1.306E+02	1.804E+01	6.493E+00	1.030E+02	7.495E+01	1.208E+00
2.000E+04	6.694E-02	2.359E+03	1.355E+02	1.921E+01	6.870E+00	8.979E+01	6.471E+01	1.208E+00
2.100E+04	6.725E-02	2.561E+03	1.395E+02	2.033E+01	7.182E+00	7.366E+01	5.303E+01	1.208E+00
2.200E+04	6.762E-02	2.725E+03	1.426E+02	2.140E+01	7.409E+00	5.968E+01	4.249E+01	1.321E+00
2.300E+04	6.805E-02	2.858E+03	1.450E+02	2.241E+01	7.572E+00	4.882E+01	3.433E+01	1.357E+00
2.400E+04	6.854E-02	2.968E+03	1.469E+02	2.335E+01	7.688E+00	4.140E+01	2.871E+01	1.390E+00
2.500E+04	6.911E-02	3.064E+03	1.485E+02	2.418E+01	7.744E+00	3.698E+01	2.543E+01	1.413E+00
2.600E+04	6.975E-02	3.153E+03	1.499E+02	2.480E+01	7.839E+00	3.514E+01	2.418E+01	1.419E+00
2.700E+04	7.042E-02	3.239E+03	1.513E+02	2.525E+01	7.895E+00	3.557E+01	2.476E+01	1.407E+00
2.800E+04	7.112E-02	3.320E+03	1.526E+02	2.563E+01	7.948E+00	3.607E+01	2.701E+01	1.381E+00
2.900E+04	7.187E-02	3.402E+03	1.538E+02	2.593E+01	8.006E+00	4.237E+01	3.067E+01	1.352E+00
3.000E+04	7.267E-02	3.479E+03	1.549E+02	2.612E+01	8.071E+00	4.781E+01	3.523E+01	1.325E+00
3.100E+04	7.352E-02	3.550E+03	1.559E+02	2.628E+01	8.148E+00	5.355E+01	3.991E+01	1.308E+00
3.200E+04	7.441E-02	3.616E+03	1.572E+02	2.640E+01	8.234E+00	5.842E+01	4.377E+01	1.295E+00
3.300E+04	7.534E-02	3.678E+03	1.580E+02	2.649E+01	8.328E+00	6.140E+01	4.604E+01	1.292E+00
3.400E+04	7.631E-02	3.735E+03	1.608E+02	2.707E+01	8.424E+00	6.199E+01	4.635E+01	1.294E+00
3.500E+04	7.732E-02	3.787E+03	1.627E+02	2.804E+01	8.517E+00	6.032E+01	4.488E+01	1.302E+00
3.600E+04	7.837E-02	3.835E+03	1.644E+02	2.873E+01	8.603E+00	5.704E+01	4.211E+01	1.315E+00
3.700E+04	7.946E-02	3.879E+03	1.661E+02	2.942E+01	8.688E+00	5.299E+01	3.876E+01	1.331E+00
3.800E+04	8.059E-02	3.919E+03	1.676E+02	3.014E+01	8.772E+00	4.894E+01	3.544E+01	1.347E+00
3.900E+04	8.176E-02	3.955E+03	1.690E+02	3.088E+01	8.857E+00	4.543E+01	3.260E+01	1.364E+00
4.000E+04	8.297E-02	3.987E+03	1.702E+02	3.158E+01	8.942E+00	4.282E+01	3.050E+01	1.379E+00
4.100E+04	8.422E-02	4.015E+03	1.713E+02	3.220E+01	9.028E+00	4.127E+01	2.929E+01	1.387E+00
4.200E+04	8.551E-02	4.039E+03	1.723E+02	3.276E+01	9.117E+00	4.084E+01	2.903E+01	1.387E+00
4.300E+04	8.684E-02	4.059E+03	1.733E+02	3.323E+01	9.208E+00	4.156E+01	2.972E+01	1.379E+00
4.400E+04	8.821E-02	4.075E+03	1.743E+02	3.367E+01	9.294E+00	4.338E+01	3.152E+01	1.346E+00
4.500E+04	8.962E-02	4.088E+03	1.753E+02	3.411E+01	9.377E+00	4.421E+01	3.376E+01	1.349E+00
4.600E+04	9.107E-02	4.097E+03	1.763E+02	3.453E+01	9.458E+00	4.509E+01	3.609E+01	1.331E+00
4.700E+04	9.256E-02	4.104E+03	1.773E+02	3.495E+01	9.537E+00	4.601E+01	3.847E+01	1.315E+00
4.800E+04	9.408E-02	4.108E+03	1.785E+02	3.538E+01	9.615E+00	4.697E+01	4.092E+01	1.301E+00
4.900E+04	9.564E-02	4.109E+03	1.796E+02	3.581E+01	9.692E+00	4.795E+01	4.355E+01	1.291E+00
5.000E+04	9.724E-02	4.108E+03	1.809E+02	3.624E+01	9.768E+00	4.894E+01	4.635E+01	1.284E+00

P/MO = 8.00E+00

T	RHO/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	4.368E+00	7.526E-01	3.020E+01	1.369E+00	1.489E+00	3.370E+01	2.522E+01	1.188E+00
6.000E+02	2.932E+00	7.838E+00	3.547E+01	1.709E+00	1.844E+00	2.048E+01	1.547E+01	1.241E+00
7.000E+02	2.365E+00	1.139E+01	3.771E+01	1.963E+00	1.959E+00	1.044E+01	1.753E+00	1.321E+00
8.000E+02	2.091E+00	1.360E+01	3.892E+01	2.140E+00	1.987E+00	6.099E+00	9.907E+00	1.362E+00
9.000E+02	1.807E+00	1.553E+01	3.984E+01	2.287E+00	1.995E+00	7.590E+00	5.478E+00	1.371E+00
1.000E+03	1.624E+00	1.738E+01	4.063E+01	2.411E+00	1.998E+00	7.506E+00	5.528E+00	1.369E+00
1.100E+03	1.476E+00	1.924E+01	4.135E+01	2.524E+00	1.999E+00	7.541E+00	5.507E+00	1.357E+00
1.200E+03	1.352E+00	2.111E+01	4.201E+01	2.631E+00	1.999E+00	7.614E+00	5.607E+00	1.351E+00
1.300E+03	1.244E+00	2.301E+01	4.262E+01	2.733E+00	2.000E+00	7.701E+00	5.687E+00	1.344E+00
1.400E+03	1.154E+00	2.492E+01	4.320E+01	2.830E+00	2.000E+00	7.792E+00	5.780E+00	1.340E+00
1.500E+03	1.082E+00	2.686E+01	4.374E+01	2.923E+00	2.000E+00	7.884E+00	5.882E+00	1.340E+00
1.600E+03	1.014E+00	2.882E+01	4.426E+01	3.013E+00	2.000E+00	7.976E+00	5.974E+00	1.335E+00
1.700E+03	9.547E-01	3.081E+01	4.474E+01	3.100E+00	2.000E+00	8.071E+00	6.069E+00	1.330E+00
1.800E+03	9.012E-01	3.282E+01	4.521E+01	3.184E+00	2.000E+00	8.174E+00	6.172E+00	1.325E+00
1.900E+03	8.537E-01	3.486E+01	4.566E+01	3.264E+00	2.000E+00	8.280E+00	6.276E+00	1.319E+00
2.000E+03	8.139E-01	3.693E+01	4.609E+01	3.341E+00	2.000E+00	8.387E+00	6.378E+00	1.313E+00
2.100E+03	7.721E-01	3.905E+01	4.651E+01	3.415E+00	2.001E+00	8.495E+00	6.478E+00	1.305E+00
2.200E+03	7.388E-01	4.122E+01	4.692E+01	3.484E+00	2.002E+00	8.604E+00	6.577E+00	1.297E+00
2.300E+03	7.043E-01	4.348E+01	4.733E+01	3.549E+00	2.003E+00	8.714E+00	6.674E+00	1.288E+00
2.400E+03	6.783E-01	4.584E+01	4.774E+01	3.611E+00	2.003E+00	8.824E+00	6.769E+00	1.280E+00
2.500E+03	6.606E-01	4.844E+01	4.815E+01	3.670E+00	2.003E+00	8.934E+00	6.862E+00	1.271E+00
2.600E+03	6.523E-01	5.101E+01	4.856E+01	3.726E+00	2.012E+00	9.044E+00	6.954E+00	1.262E+00
2.700E+03	6.557E-01	5.392E+01	4.902E+01	3.782E+00	2.017E+00	9.154E+00	7.046E+00	1.253E+00
2.800E+03	6.722E-01	5.710E+01	4.949E+01	3.839E+00	2.025E+00	9.264E+00	7.137E+00	1.244E+00
2.900E+03	6.898E-01	6.064E+01	4.996E+01	3.896E+00	2.035E+00	9.374E+00	7.228E+00	1.235E+00
3.000E+03	7.281E-01	6.459E+01	5.054E+01	3.961E+00	2.048E+00	9.484E+00	7.319E+00	1.226E+00
3.100E+03	7.809E-01	6.903E+01	5.113E+01	4.028E+00	2.063E+00	9.594E+00	7.410E+00	1.217E+00
3.200E+03	8.482E-01	7.404E+01	5.178E+01	4.101E+00	2.083E+00	9.704E+00	7.501E+00	1.208E+00
3.300E+03	9.359E-01	7.989E+01	5.248E+01	4.180E+00	2.110E+00	9.814E+00	7.592E+00	1.199E+00

TABLE I. - Continued

T	RH0/RH0-0	H/RTO	S/R	A/AD	L	CP/R	CV/R	GAMMA
3.400E+33	4.458E-01	8.607E+01	5.326E+01	4.247E+00	2.141E+00	2.736E+01	2.253E+01	1.177E+00
3.500E+33	4.259E-01	5.324E+01	5.410E+01	4.341E+00	2.177E+00	3.072E+01	2.516E+01	1.174E+00
3.600E+33	4.062E-01	1.013E+02	5.502E+01	4.463E+00	2.219E+00	3.428E+01	2.790E+01	1.173E+00
3.700E+33	3.867E-01	1.102E+02	5.601E+01	4.573E+00	2.267E+00	3.798E+01	3.046E+01	1.173E+00
3.800E+33	3.676E-01	1.200E+02	5.707E+01	4.692E+00	2.322E+00	4.168E+01	3.334E+01	1.174E+00
3.900E+33	3.490E-01	1.300E+02	5.821E+01	4.819E+00	2.384E+00	4.524E+01	3.585E+01	1.175E+00
4.000E+33	3.309E-01	1.423E+02	5.939E+01	4.954E+00	2.451E+00	4.896E+01	3.806E+01	1.178E+00
4.100E+33	3.136E-01	1.546E+02	6.063E+01	5.096E+00	2.524E+00	5.223E+01	3.984E+01	1.181E+00
4.200E+33	2.971E-01	1.675E+02	6.189E+01	5.243E+00	2.606E+00	5.327E+01	4.108E+01	1.184E+00
4.300E+33	2.816E-01	1.808E+02	6.316E+01	5.396E+00	2.679E+00	5.468E+01	4.170E+01	1.189E+00
4.400E+33	2.672E-01	1.943E+02	6.441E+01	5.551E+00	2.760E+00	5.468E+01	4.163E+01	1.194E+00
4.500E+33	2.540E-01	2.077E+02	6.563E+01	5.707E+00	2.839E+00	5.393E+01	4.089E+01	1.199E+00
4.600E+33	2.419E-01	2.208E+02	6.680E+01	5.863E+00	2.916E+00	5.228E+01	3.953E+01	1.205E+00
4.700E+33	2.310E-01	2.336E+02	6.790E+01	6.017E+00	2.989E+00	4.989E+01	3.767E+01	1.212E+00
4.800E+33	2.211E-01	2.453E+02	6.892E+01	6.167E+00	3.057E+00	4.698E+01	3.544E+01	1.220E+00
4.900E+33	2.123E-01	2.565E+02	6.986E+01	6.314E+00	3.119E+00	4.378E+01	3.303E+01	1.227E+00
5.000E+33	2.044E-01	2.666E+02	7.071E+01	6.458E+00	3.174E+00	4.052E+01	3.057E+01	1.235E+00
5.200E+33	1.909E-01	2.853E+02	7.217E+01	6.723E+00	3.268E+00	3.454E+01	2.607E+01	1.251E+00
5.400E+33	1.799E-01	3.011E+02	7.358E+01	6.944E+00	3.340E+00	2.997E+01	2.264E+01	1.265E+00
5.600E+33	1.736E-01	3.150E+02	7.441E+01	7.173E+00	3.397E+00	2.706E+01	2.050E+01	1.273E+00
5.800E+33	1.625E-01	3.280E+02	7.533E+01	7.353E+00	3.442E+00	2.569E+01	1.950E+01	1.273E+00
6.000E+33	1.553E-01	3.405E+02	7.620E+01	7.502E+00	3.481E+00	2.558E+01	1.966E+01	1.268E+00
6.200E+33	1.484E-01	3.533E+02	7.705E+01	7.637E+00	3.517E+00	2.643E+01	2.051E+01	1.258E+00
6.400E+33	1.427E-01	3.667E+02	7.791E+01	7.767E+00	3.552E+00	2.795E+01	2.188E+01	1.248E+00
6.600E+33	1.373E-01	3.809E+02	7.880E+01	7.899E+00	3.589E+00	2.983E+01	2.352E+01	1.239E+00
6.800E+33	1.316E-01	3.961E+02	7.972E+01	8.038E+00	3.627E+00	3.176E+01	2.515E+01	1.233E+00
7.000E+33	1.264E-01	4.122E+02	8.066E+01	8.188E+00	3.666E+00	3.342E+01	2.652E+01	1.229E+00
7.200E+33	1.215E-01	4.290E+02	8.162E+01	8.347E+00	3.708E+00	3.451E+01	2.738E+01	1.228E+00
7.400E+33	1.169E-01	4.461E+02	8.257E+01	8.517E+00	3.749E+00	3.477E+01	2.753E+01	1.230E+00
7.600E+33	1.126E-01	4.631E+02	8.349E+01	8.697E+00	3.790E+00	3.410E+01	2.689E+01	1.236E+00
7.800E+33	1.087E-01	4.795E+02	8.436E+01	8.884E+00	3.828E+00	3.255E+01	2.553E+01	1.244E+00
8.000E+33	1.050E-01	4.951E+02	8.515E+01	9.084E+00	3.862E+00	3.035E+01	2.362E+01	1.256E+00
8.200E+33	1.016E-01	5.094E+02	8.587E+01	9.287E+00	3.892E+00	2.782E+01	2.145E+01	1.271E+00
8.400E+33	9.858E-02	5.225E+02	8.651E+01	9.495E+00	3.918E+00	2.529E+01	1.928E+01	1.289E+00
8.600E+33	9.578E-02	5.344E+02	8.708E+01	9.702E+00	3.939E+00	2.301E+01	1.734E+01	1.307E+00
8.800E+33	9.319E-02	5.453E+02	8.759E+01	9.904E+00	3.956E+00	2.114E+01	1.575E+01	1.325E+00
9.000E+33	9.079E-02	5.553E+02	8.805E+01	1.009E+01	3.970E+00	1.973E+01	1.456E+01	1.341E+00
9.200E+33	8.855E-02	5.648E+02	8.847E+01	1.024E+01	3.982E+00	1.876E+01	1.374E+01	1.353E+00
9.400E+33	8.644E-02	5.739E+02	8.886E+01	1.042E+01	3.993E+00	1.820E+01	1.327E+01	1.360E+00
9.600E+33	8.445E-02	5.828E+02	8.924E+01	1.055E+01	4.002E+00	1.797E+01	1.310E+01	1.362E+00
9.800E+33	8.254E-02	5.917E+02	8.962E+01	1.066E+01	4.011E+00	1.804E+01	1.317E+01	1.360E+00
1.000E+34	8.072E-02	6.006E+02	8.998E+01	1.076E+01	4.019E+00	1.835E+01	1.346E+01	1.354E+00
1.100E+34	7.248E-02	6.504E+02	9.190E+01	1.114E+01	4.070E+00	2.270E+01	1.722E+01	1.305E+00
1.200E+34	6.516E-02	7.156E+02	9.420E+01	1.155E+01	4.149E+00	3.081E+01	2.400E+01	1.260E+00
1.300E+34	5.835E-02	8.052E+02	9.710E+01	1.206E+01	4.277E+00	4.246E+01	3.340E+01	1.231E+00
1.400E+34	5.185E-02	9.277E+02	1.008E+02	1.272E+01	4.470E+00	5.742E+01	4.490E+01	1.216E+00
1.500E+34	4.565E-02	1.090E+03	1.053E+02	1.352E+01	4.738E+00	7.464E+01	5.740E+01	1.210E+00
1.600E+34	3.947E-02	1.296E+03	1.107E+02	1.447E+01	5.086E+00	9.163E+01	6.897E+01	1.210E+00
1.700E+34	3.469E-02	1.539E+03	1.167E+02	1.554E+01	5.501E+00	1.045E+02	7.708E+01	1.214E+00
1.800E+34	3.028E-02	1.804E+03	1.228E+02	1.670E+01	5.952E+00	1.093E+02	7.944E+01	1.224E+00
1.900E+34	2.671E-02	2.069E+03	1.286E+02	1.788E+01	6.394E+00	1.044E+02	7.534E+01	1.238E+00
2.000E+34	2.391E-02	2.313E+03	1.337E+02	1.905E+01	6.785E+00	9.212E+01	6.629E+01	1.258E+00
2.100E+34	2.175E-02	2.521E+03	1.378E+02	2.017E+01	7.102E+00	7.692E+01	5.518E+01	1.283E+00
2.200E+34	2.078E-02	2.693E+03	1.411E+02	2.124E+01	7.344E+00	6.267E+01	4.465E+01	1.314E+00
2.300E+34	1.876E-02	2.833E+03	1.436E+02	2.227E+01	7.521E+00	5.131E+01	3.614E+01	1.348E+00
2.400E+34	1.767E-02	2.949E+03	1.456E+02	2.322E+01	7.648E+00	4.425E+01	3.007E+01	1.382E+00
2.500E+34	1.676E-02	3.048E+03	1.472E+02	2.406E+01	7.742E+00	3.818E+01	2.628E+01	1.407E+00
2.600E+34	1.597E-02	3.139E+03	1.487E+02	2.475E+01	7.813E+00	3.577E+01	2.453E+01	1.418E+00
2.700E+34	1.527E-02	3.226E+03	1.500E+02	2.525E+01	7.872E+00	3.550E+01	2.460E+01	1.411E+00
2.800E+34	1.462E-02	3.316E+03	1.513E+02	2.560E+01	7.926E+00	3.735E+01	2.632E+01	1.389E+00
2.900E+34	1.402E-02	3.412E+03	1.527E+02	2.584E+01	7.982E+00	4.100E+01	2.949E+01	1.361E+00
3.000E+34	1.344E-02	3.519E+03	1.542E+02	2.618E+01	8.046E+00	4.599E+01	3.368E+01	1.334E+00
3.100E+34	1.289E-02	3.639E+03	1.558E+02	2.650E+01	8.118E+00	5.154E+01	3.822E+01	1.313E+00
3.200E+34	1.236E-02	3.773E+03	1.575E+02	2.693E+01	8.201E+00	5.659E+01	4.226E+01	1.300E+00
3.300E+34	1.186E-02	3.917E+03	1.593E+02	2.744E+01	8.292E+00	6.012E+01	4.499E+01	1.294E+00
3.400E+34	1.138E-02	4.068E+03	1.611E+02	2.802E+01	8.387E+00	6.149E+01	4.594E+01	1.295E+00
3.500E+34	1.093E-02	4.219E+03	1.629E+02	2.865E+01	8.480E+00	6.061E+01	4.508E+01	1.301E+00
3.600E+34	1.052E-02	4.365E+03	1.646E+02	2.933E+01	8.567E+00	5.794E+01	4.282E+01	1.312E+00
3.700E+34	1.014E-02	4.503E+03	1.661E+02	3.003E+01	8.646E+00	5.425E+01	3.875E+01	1.327E+00
3.800E+34	9.798E-03	4.632E+03	1.675E+02	3.075E+01	8.714E+00	5.029E+01	3.631E+01	1.347E+00
3.900E+34	9.484E-03	4.752E+03	1.688E+02	3.145E+01	8.771E+00	4.667E+01	3.357E+01	1.360E+00
4.000E+34	9.196E-03	4.863E+03	1.699E+02	3.211E+01	8.820E+00	4.379E+01	3.125E+01	1.375E+00
4.100E+34	8.929E-03	4.969E+03	1.710E+02	3.270E+01	8.862E+00	4.187E+01	2.973E+01	1.385E+00
4.200E+34	8.680E-03	5.070E+03	1.720E+02	3.320E+01	8.899E+00	4.102E+01	2.911E+01	1.388E+00
4.300E+34	8.446E-03	5.172E+03	1.729E+02	3.361E+01	8.933E+00	4.126E+01	2.940E+01	1.383E+00
4.400E+34	8.223E-03	5.275E+03	1.739E+02	3.392E+01	8.967E+00	4.259E+01	3.059E+01	1.372E+00
4.500E+34	8.010E-03	5.383E+03	1.749E+02	3.414E+01	9.001E+00	4.402E+01	3.243E+01	1.357E+00
4.600E+34	7.804E-03	5.497E+03	1.759E+02	3.441E+01	9.038E+00	4.555E+01	3.530E+01	1.340E+00
4.700E+34	7.603E-03	5.621E+03	1.770E+02	3.464E+01	9.079E+00	5.207E+01	3.867E+01	1.323E+00
4.800E+34	7.407E-03	5.754E+03	1.781E+02	3.491E+01	9.125E+00	5.637E+01	4.224E+01	1.309E+00
4.900E+34	7.215E-03	5.899E+03	1.793E+02	3.521E+01	9.177E+00	6.069E+01	4.577E+01	1.297E+00
5.000E+34	7.028E-03	6.053E+03	1.806E+02	3.557E+01	9.233E+00	6.461E+01	4.894E+01	1.289E+00

TABLE I. - Continued

P/P0 = 9.00E+00

T	RHO/RHO-0	M/RTC	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	4.987E+00	4.269E-01	2.976E+01	1.359E+00	1.464E+00	3.312E+01	2.400E+01	1.107E+00
6.000E+02	3.325E+00	7.406E+00	3.510E+01	1.700E+00	1.829E+00	2.135E+01	1.610E+01	1.238E+00
7.000E+02	2.667E+00	1.131E+01	3.744E+01	1.957E+00	1.955E+00	1.080E+01	8.029E+00	1.316E+00
8.000E+02	2.298E+00	1.350E+01	3.867E+01	2.143E+00	1.986E+00	8.203E+00	5.989E+00	1.360E+00
9.000E+02	2.034E+00	1.551E+01	3.960E+01	2.286E+00	1.994E+00	7.626E+00	5.550E+00	1.370E+00
1.000E+03	1.827E+00	1.730E+01	4.039E+01	2.410E+00	1.997E+00	7.520E+00	5.489E+00	1.368E+00
1.100E+03	1.666E+00	1.924E+01	4.111E+01	2.524E+00	1.999E+00	7.547E+00	5.532E+00	1.363E+00
1.200E+03	1.521E+00	2.111E+01	4.171E+01	2.631E+00	1.999E+00	7.618E+00	5.609E+00	1.357E+00
1.300E+03	1.404E+00	2.300E+01	4.239E+01	2.733E+00	1.999E+00	7.703E+00	5.658E+00	1.351E+00
1.400E+03	1.304E+00	2.492E+01	4.296E+01	2.830E+00	2.000E+00	7.793E+00	5.750E+00	1.346E+00
1.500E+03	1.217E+00	2.686E+01	4.351E+01	2.923E+00	2.000E+00	7.884E+00	5.822E+00	1.340E+00
1.600E+03	1.141E+00	2.882E+01	4.402E+01	3.013E+00	2.000E+00	7.976E+00	5.974E+00	1.335E+00
1.700E+03	1.074E+00	3.081E+01	4.451E+01	3.100E+00	2.000E+00	8.070E+00	6.068E+00	1.330E+00
1.800E+03	1.014E+00	3.282E+01	4.498E+01	3.184E+00	2.000E+00	8.173E+00	6.169E+00	1.325E+00
1.900E+03	9.605E-01	3.485E+01	4.542E+01	3.264E+00	2.000E+00	8.292E+00	6.285E+00	1.319E+00
2.000E+03	9.123E-01	3.693E+01	4.585E+01	3.342E+00	2.000E+00	8.430E+00	6.427E+00	1.313E+00
2.100E+03	8.697E-01	3.904E+01	4.627E+01	3.415E+00	2.001E+00	8.577E+00	6.600E+00	1.306E+00
2.200E+03	8.247E-01	4.121E+01	4.668E+01	3.485E+00	2.002E+00	8.731E+00	6.811E+00	1.298E+00
2.300E+03	7.824E-01	4.346E+01	4.709E+01	3.551E+00	2.003E+00	8.891E+00	7.057E+00	1.288E+00
2.400E+03	7.547E-01	4.580E+01	4.749E+01	3.613E+00	2.005E+00	9.064E+00	7.345E+00	1.276E+00
2.500E+03	7.274E-01	4.828E+01	4.790E+01	3.672E+00	2.007E+00	9.250E+00	7.670E+00	1.264E+00
2.600E+03	6.991E-01	5.092E+01	4.833E+01	3.729E+00	2.011E+00	9.449E+00	8.031E+00	1.251E+00
2.700E+03	6.705E-01	5.378E+01	4.876E+01	3.785E+00	2.016E+00	9.660E+00	8.428E+00	1.238E+00
2.800E+03	6.442E-01	5.691E+01	4.923E+01	3.842E+00	2.023E+00	9.884E+00	8.861E+00	1.226E+00
2.900E+03	6.191E-01	6.036E+01	4.972E+01	3.900E+00	2.033E+00	1.013E+01	9.321E+00	1.214E+00
3.000E+03	5.949E-01	6.421E+01	5.025E+01	3.962E+00	2.045E+00	1.042E+01	9.774E+00	1.204E+00
3.100E+03	5.713E-01	6.853E+01	5.084E+01	4.029E+00	2.061E+00	1.074E+01	1.021E+01	1.195E+00
3.200E+03	5.483E-01	7.330E+01	5.145E+01	4.100E+00	2.080E+00	1.110E+01	1.076E+01	1.188E+00
3.300E+03	5.257E-01	7.884E+01	5.213E+01	4.178E+00	2.104E+00	1.149E+01	1.133E+01	1.183E+00
3.400E+03	5.033E-01	8.459E+01	5.288E+01	4.262E+00	2.133E+00	1.191E+01	1.193E+01	1.179E+00
3.500E+03	4.813E-01	9.089E+01	5.369E+01	4.354E+00	2.167E+00	1.236E+01	1.242E+01	1.176E+00
3.600E+03	4.594E-01	9.961E+01	5.457E+01	4.454E+00	2.207E+00	1.284E+01	1.295E+01	1.174E+00
3.700E+03	4.379E-01	1.082E+02	5.552E+01	4.561E+00	2.253E+00	1.334E+01	1.350E+01	1.172E+00
3.800E+03	4.167E-01	1.176E+02	5.655E+01	4.677E+00	2.305E+00	1.387E+01	1.409E+01	1.175E+00
3.900E+03	3.962E-01	1.280E+02	5.764E+01	4.800E+00	2.364E+00	1.444E+01	1.461E+01	1.178E+00
4.000E+03	3.758E-01	1.391E+02	5.878E+01	4.932E+00	2.428E+00	1.504E+01	1.516E+01	1.178E+00
4.100E+03	3.564E-01	1.510E+02	5.998E+01	5.070E+00	2.498E+00	1.567E+01	1.570E+01	1.181E+00
4.200E+03	3.379E-01	1.636E+02	6.120E+01	5.215E+00	2.572E+00	1.634E+01	1.625E+01	1.184E+00
4.300E+03	3.205E-01	1.766E+02	6.244E+01	5.364E+00	2.649E+00	1.704E+01	1.681E+01	1.188E+00
4.400E+03	3.042E-01	1.898E+02	6.368E+01	5.517E+00	2.727E+00	1.776E+01	1.739E+01	1.193E+00
4.500E+03	2.891E-01	2.031E+02	6.496E+01	5.672E+00	2.806E+00	1.851E+01	1.800E+01	1.199E+00
4.600E+03	2.753E-01	2.161E+02	6.629E+01	5.826E+00	2.882E+00	1.928E+01	1.864E+01	1.208E+00
4.700E+03	2.627E-01	2.288E+02	6.761E+01	5.980E+00	2.956E+00	2.008E+01	1.930E+01	1.218E+00
4.800E+03	2.514E-01	2.409E+02	6.891E+01	6.131E+00	3.025E+00	2.091E+01	2.000E+01	1.228E+00
4.900E+03	2.412E-01	2.523E+02	7.001E+01	6.279E+00	3.089E+00	2.176E+01	2.074E+01	1.238E+00
5.000E+03	2.320E-01	2.629E+02	7.001E+01	6.422E+00	3.147E+00	2.264E+01	2.151E+01	1.249E+00
5.200E+03	2.163E-01	2.819E+02	7.153E+01	6.692E+00	3.245E+00	2.354E+01	2.234E+01	1.262E+00
5.400E+03	2.035E-01	2.959E+02	7.278E+01	6.938E+00	3.321E+00	2.447E+01	2.320E+01	1.271E+00
5.600E+03	1.920E-01	3.127E+02	7.384E+01	7.153E+00	3.381E+00	2.542E+01	2.408E+01	1.271E+00
5.800E+03	1.815E-01	3.259E+02	7.478E+01	7.338E+00	3.429E+00	2.640E+01	2.498E+01	1.274E+00
6.000E+03	1.753E-01	3.386E+02	7.566E+01	7.495E+00	3.470E+00	2.740E+01	2.589E+01	1.276E+00
6.200E+03	1.679E-01	3.513E+02	7.650E+01	7.634E+00	3.507E+00	2.842E+01	2.681E+01	1.276E+00
6.400E+03	1.611E-01	3.646E+02	7.736E+01	7.766E+00	3.543E+00	2.946E+01	2.774E+01	1.271E+00
6.600E+03	1.545E-01	3.786E+02	7.823E+01	7.897E+00	3.579E+00	3.051E+01	2.868E+01	1.262E+00
6.800E+03	1.484E-01	3.935E+02	7.913E+01	8.035E+00	3.616E+00	3.157E+01	2.961E+01	1.255E+00
7.000E+03	1.426E-01	4.093E+02	8.006E+01	8.182E+00	3.655E+00	3.264E+01	3.055E+01	1.251E+00
7.200E+03	1.372E-01	4.258E+02	8.101E+01	8.339E+00	3.696E+00	3.372E+01	3.150E+01	1.249E+00
7.400E+03	1.323E-01	4.428E+02	8.195E+01	8.506E+00	3.737E+00	3.480E+01	3.245E+01	1.251E+00
7.600E+03	1.271E-01	4.597E+02	8.287E+01	8.683E+00	3.778E+00	3.588E+01	3.341E+01	1.255E+00
7.800E+03	1.226E-01	4.763E+02	8.374E+01	8.869E+00	3.817E+00	3.696E+01	3.437E+01	1.259E+00
8.000E+03	1.184E-01	4.920E+02	8.455E+01	9.062E+00	3.852E+00	3.804E+01	3.533E+01	1.264E+00
8.200E+03	1.146E-01	5.066E+02	8.528E+01	9.263E+00	3.883E+00	3.912E+01	3.629E+01	1.268E+00
8.400E+03	1.111E-01	5.201E+02	8.593E+01	9.468E+00	3.910E+00	4.020E+01	3.725E+01	1.274E+00
8.600E+03	1.079E-01	5.323E+02	8.652E+01	9.675E+00	3.932E+00	4.128E+01	3.821E+01	1.276E+00
8.800E+03	1.050E-01	5.434E+02	8.704E+01	9.877E+00	3.950E+00	4.236E+01	3.917E+01	1.271E+00
9.000E+03	1.023E-01	5.537E+02	8.751E+01	1.007E+01	3.965E+00	4.344E+01	4.013E+01	1.262E+00
9.200E+03	9.973E-02	5.634E+02	8.794E+01	1.025E+01	3.978E+00	4.452E+01	4.109E+01	1.255E+00
9.400E+03	9.734E-02	5.726E+02	8.834E+01	1.040E+01	3.989E+00	4.560E+01	4.205E+01	1.251E+00
9.600E+03	9.509E-02	5.816E+02	8.872E+01	1.054E+01	3.999E+00	4.668E+01	4.291E+01	1.249E+00
9.800E+03	9.294E-02	5.904E+02	8.909E+01	1.066E+01	4.007E+00	4.776E+01	4.377E+01	1.249E+00
1.000E+04	9.091E-02	5.994E+02	8.946E+01	1.076E+01	4.016E+00	4.884E+01	4.463E+01	1.257E+00
1.100E+04	8.183E-02	6.483E+02	9.135E+01	1.116E+01	4.065E+00	5.000E+01	4.549E+01	1.263E+00
1.200E+04	7.346E-02	7.115E+02	9.357E+01	1.156E+01	4.140E+00	5.122E+01	4.635E+01	1.263E+00
1.300E+04	6.589E-02	7.977E+02	9.636E+01	1.200E+01	4.261E+00	5.250E+01	4.721E+01	1.255E+00
1.400E+04	5.861E-02	9.150E+02	9.988E+01	1.269E+01	4.443E+00	5.384E+01	4.807E+01	1.251E+00
1.500E+04	5.140E-02	1.071E+03	1.042E+02	1.347E+01	4.697E+00	5.524E+01	4.893E+01	1.251E+00
1.600E+04	4.536E-02	1.268E+03	1.094E+02	1.439E+01	5.029E+00	5.670E+01	4.979E+01	1.211E+00
1.700E+04	3.951E-02	1.502E+03	1.157E+02	1.543E+01	5.427E+00	5.821E+01	5.065E+01	1.211E+00
1.800E+04	3.457E-02	1.762E+03	1.212E+02	1.657E+01	5.866E+00	5.981E+01	5.151E+01	1.223E+00
1.900E+04	3.047E-02	2.025E+03	1.269E+02	1.774E+01	6.304E+00	6.141E+01	5.237E+01	1.236E+00
2.000E+04	2.724E-02	2.271E+03	1.321E+02	1.890E+01	6.700E+00	6.304E+01	5.323E+01	1.255E+00

TABLE I. - Continued

T	AHO/RHJ-U	H/KTU	S/R	A/AD	Z	CP/R	CV/R	GAMMA
2.100E+J4	2.473E-02	2.405E+03	1.363E+02	2.003E+01	7.328E+00	7.947E+01	5.494E+01	1.279E+00
2.200E+J4	2.278E-02	2.663E+03	1.396E+02	2.111E+01	7.283E+00	6.531E+01	4.653E+01	1.308E+00
2.300E+J4	2.124E-02	2.809E+03	1.423E+02	2.213E+01	7.472E+00	5.360E+01	3.780E+01	1.341E+00
2.400E+J4	1.998E-02	2.930E+03	1.444E+02	2.310E+01	7.610E+00	4.901E+01	3.135E+01	1.374E+00
2.500E+J4	1.893E-02	3.033E+03	1.461E+02	2.398E+01	7.711E+00	4.599E+01	2.714E+01	1.401E+00
2.600E+J4	1.803E-02	3.126E+03	1.476E+02	2.469E+01	7.780E+00	4.353E+01	2.496E+01	1.414E+00
2.700E+J4	1.722E-02	3.214E+03	1.489E+02	2.523E+01	7.850E+00	4.156E+01	2.349E+01	1.413E+00
2.800E+J4	1.649E-02	3.303E+03	1.502E+02	2.562E+01	7.906E+00	3.999E+01	2.258E+01	1.395E+00
2.900E+J4	1.581E-02	3.398E+03	1.516E+02	2.592E+01	7.962E+00	3.899E+01	2.205E+01	1.349E+00
3.000E+J4	1.516E-02	3.522E+03	1.530E+02	2.620E+01	8.023E+00	4.453E+01	3.241E+01	1.342E+00
3.100E+J4	1.455E-02	3.618E+03	1.545E+02	2.653E+01	8.093E+00	4.982E+01	3.477E+01	1.320E+00
3.200E+J4	1.396E-02	3.747E+03	1.562E+02	2.693E+01	8.172E+00	5.493E+01	4.088E+01	1.305E+00
3.300E+J4	1.339E-02	3.888E+03	1.580E+02	2.742E+01	8.261E+00	5.984E+01	4.394E+01	1.297E+00
3.400E+J4	1.285E-02	4.036E+03	1.598E+02	2.797E+01	8.354E+00	6.402E+01	4.539E+01	1.296E+00
3.500E+J4	1.235E-02	4.186E+03	1.615E+02	2.859E+01	8.447E+00	6.763E+01	4.528E+01	1.301E+00
3.600E+J4	1.184E-02	4.333E+03	1.632E+02	2.925E+01	8.535E+00	7.055E+01	4.329E+01	1.310E+00
3.700E+J4	1.143E-02	4.474E+03	1.648E+02	2.994E+01	8.616E+00	7.252E+01	4.054E+01	1.323E+00
3.800E+J4	1.106E-02	4.605E+03	1.662E+02	3.065E+01	8.687E+00	7.345E+01	3.742E+01	1.379E+00
3.900E+J4	1.070E-02	4.728E+03	1.675E+02	3.135E+01	8.748E+00	7.408E+01	3.444E+01	1.355E+00
4.000E+J4	1.037E-02	4.842E+03	1.686E+02	3.202E+01	8.799E+00	7.470E+01	3.147E+01	1.371E+00
4.100E+J4	1.007E-02	4.949E+03	1.697E+02	3.264E+01	8.844E+00	7.533E+01	2.822E+01	1.382E+00
4.200E+J4	9.784E-03	5.052E+03	1.707E+02	3.317E+01	8.882E+00	7.592E+01	2.497E+01	1.387E+00
4.300E+J4	9.519E-03	5.154E+03	1.717E+02	3.361E+01	8.917E+00	7.647E+01	2.171E+01	1.384E+00
4.400E+J4	9.267E-03	5.256E+03	1.727E+02	3.395E+01	8.951E+00	7.700E+01	1.844E+01	1.377E+00
4.500E+J4	9.027E-03	5.362E+03	1.736E+02	3.423E+01	8.985E+00	7.750E+01	1.517E+01	1.363E+00
4.600E+J4	8.796E-03	5.474E+03	1.746E+02	3.447E+01	9.021E+00	7.799E+01	1.190E+01	1.347E+00
4.700E+J4	8.571E-03	5.593E+03	1.757E+02	3.471E+01	9.061E+00	7.846E+01	8.62E+00	1.331E+00
4.800E+J4	8.352E-03	5.722E+03	1.768E+02	3.496E+01	9.104E+00	7.891E+01	5.45E+00	1.316E+00
4.900E+J4	8.138E-03	5.862E+03	1.779E+02	3.525E+01	9.153E+00	7.933E+01	4.05E+00	1.303E+00
5.000E+J4	7.928E-03	6.011E+03	1.791E+02	3.558E+01	9.207E+00	7.972E+01	4.729E+01	1.294E+00

P/P0 = 1.00E+01

T	AHO/RHO-U	H/KTU	S/R	A/AD	Z	CP/R	CV/R	GAMMA
5.000E+02	5.614E+00	1.373E-01	2.937E+01	1.350E+00	1.445E+00	3.252E+01	2.430E+01	1.107E+00
6.000E+02	3.723E+00	7.385E-00	3.478E+01	1.691E+00	1.815E+00	1.664E+01	1.664E+01	1.235E+00
7.000E+02	2.971E+00	1.124E+01	3.719E+01	1.951E+00	1.950E+00	1.114E+01	8.295E+00	1.312E+00
8.000E+02	2.555E+00	1.355E+01	3.845E+01	2.141E+00	1.984E+00	8.307E+00	4.069E+00	1.358E+00
9.000E+02	2.260E+00	1.550E+01	3.938E+01	2.285E+00	1.994E+00	7.661E+00	5.377E+00	1.369E+00
1.000E+03	2.031E+00	1.737E+01	4.018E+01	2.410E+00	1.997E+00	7.005E+00	5.499E+00	1.368E+00
1.100E+03	1.845E+00	1.924E+01	4.090E+01	2.524E+00	1.998E+00	6.354E+00	5.537E+00	1.363E+00
1.200E+03	1.691E+00	2.111E+01	4.156E+01	2.631E+00	1.999E+00	5.721E+00	5.612E+00	1.357E+00
1.300E+03	1.560E+00	2.300E+01	4.218E+01	2.735E+00	1.999E+00	5.105E+00	5.699E+00	1.351E+00
1.400E+03	1.449E+00	2.492E+01	4.275E+01	2.830E+00	2.000E+00	4.500E+00	5.791E+00	1.348E+00
1.500E+03	1.352E+00	2.684E+01	4.330E+01	2.923E+00	2.000E+00	3.905E+00	5.882E+00	1.340E+00
1.600E+03	1.267E+00	2.882E+01	4.381E+01	3.013E+00	2.000E+00	3.320E+00	5.974E+00	1.335E+00
1.700E+03	1.193E+00	3.080E+01	4.430E+01	3.100E+00	2.000E+00	2.745E+00	6.067E+00	1.330E+00
1.800E+03	1.127E+00	3.281E+01	4.478E+01	3.184E+00	2.000E+00	2.170E+00	6.167E+00	1.325E+00
1.900E+03	1.067E+00	3.485E+01	4.521E+01	3.265E+00	2.000E+00	1.600E+00	6.281E+00	1.319E+00
2.000E+03	1.014E+00	3.692E+01	4.564E+01	3.342E+00	2.000E+00	1.030E+00	6.419E+00	1.313E+00
2.100E+03	9.652E-01	3.903E+01	4.606E+01	3.416E+00	2.001E+00	6.618E+00	6.595E+00	1.304E+00
2.200E+03	9.210E-01	4.120E+01	4.647E+01	3.486E+00	2.001E+00	5.865E+00	6.825E+00	1.298E+00
2.300E+03	8.805E-01	4.344E+01	4.687E+01	3.552E+00	2.003E+00	5.195E+00	7.130E+00	1.290E+00
2.400E+03	8.431E-01	4.577E+01	4.728E+01	3.615E+00	2.004E+00	4.632E+00	7.529E+00	1.278E+00
2.500E+03	8.083E-01	4.823E+01	4.769E+01	3.674E+00	2.007E+00	4.020E+00	8.047E+00	1.264E+00
2.600E+03	7.759E-01	5.084E+01	4.810E+01	3.732E+00	2.010E+00	3.469E+00	8.705E+00	1.253E+00
2.700E+03	7.453E-01	5.367E+01	4.854E+01	3.788E+00	2.013E+00	2.970E+00	9.526E+00	1.240E+00
2.800E+03	7.162E-01	5.674E+01	4.899E+01	3.844E+00	2.022E+00	2.520E+00	1.053E+01	1.228E+00
2.900E+03	6.885E-01	6.013E+01	4.947E+01	3.903E+00	2.031E+00	2.120E+00	1.133E+01	1.214E+00
3.000E+03	6.617E-01	6.390E+01	4.999E+01	3.964E+00	2.043E+00	1.603E+01	1.313E+01	1.206E+00
3.100E+03	6.354E-01	6.810E+01	5.055E+01	4.029E+00	2.058E+00	1.194E+01	1.479E+01	1.197E+00
3.200E+03	6.104E-01	7.282E+01	5.116E+01	4.100E+00	2.076E+00	8.40E+00	1.645E+01	1.190E+00
3.300E+03	5.855E-01	7.813E+01	5.182E+01	4.176E+00	2.099E+00	6.269E+00	1.872E+01	1.185E+00
3.400E+03	5.610E-01	8.407E+01	5.254E+01	4.259E+00	2.126E+00	4.948E+00	2.297E+01	1.180E+00
3.500E+03	5.368E-01	9.074E+01	5.333E+01	4.348E+00	2.158E+00	3.853E+00	2.399E+01	1.177E+00
3.600E+03	5.129E-01	9.819E+01	5.418E+01	4.444E+00	2.196E+00	3.180E+00	2.522E+01	1.176E+00
3.700E+03	4.892E-01	1.069E+02	5.510E+01	4.550E+00	2.240E+00	2.522E+00	2.850E+01	1.178E+00
3.800E+03	4.660E-01	1.156E+02	5.609E+01	4.670E+00	2.290E+00	1.871E+00	3.107E+01	1.175E+00
3.900E+03	4.432E-01	1.256E+02	5.714E+01	4.784E+00	2.344E+00	1.241E+00	3.352E+01	1.177E+00
4.000E+03	4.210E-01	1.364E+02	5.825E+01	4.912E+00	2.408E+00	8.538E+00	3.576E+01	1.179E+00
4.100E+03	3.996E-01	1.479E+02	5.941E+01	5.048E+00	2.475E+00	6.827E+00	3.767E+01	1.181E+00
4.200E+03	3.791E-01	1.601E+02	6.060E+01	5.190E+00	2.547E+00	5.662E+00	3.917E+01	1.184E+00
4.300E+03	3.597E-01	1.728E+02	6.181E+01	5.337E+00	2.622E+00	4.530E+00	4.019E+01	1.188E+00
4.400E+03	3.415E-01	1.859E+02	6.303E+01	5.487E+00	2.699E+00	3.516E+00	4.054E+01	1.193E+00
4.500E+03	3.246E-01	1.990E+02	6.422E+01	5.640E+00	2.776E+00	2.511E+00	4.032E+01	1.198E+00
4.600E+03	3.091E-01	2.120E+02	6.538E+01	5.794E+00	2.853E+00	1.591E+00	3.951E+01	1.204E+00
4.700E+03	2.949E-01	2.247E+02	6.649E+01	5.947E+00	2.926E+00	8.062E+00	3.716E+01	1.210E+00
4.800E+03	2.823E-01	2.368E+02	6.753E+01	6.098E+00	2.994E+00	6.833E+00	3.538E+01	1.216E+00

TABLE I. - Continued

T	RHO/RHO-U	M/RTO	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
4.900E+03	2.704E-01	2.484E+02	6.850E+01	6.246E+00	3.061E+00	4.561E+01	3.431E+01	1.224E+00
5.000E+03	2.599E-01	2.593E+02	6.939E+01	6.390E+00	3.121E+00	4.265E+01	3.208E+01	1.231E+00
5.200E+03	2.420E-01	2.788E+02	7.094E+01	6.663E+00	3.223E+00	3.680E+01	2.769E+01	1.246E+00
5.400E+03	2.274E-01	2.954E+02	7.223E+01	6.513E+00	3.303E+00	3.190E+01	2.403E+01	1.260E+00
5.600E+03	2.151E-01	3.104E+02	7.333E+01	7.134E+00	3.366E+00	2.845E+01	2.148E+01	1.270E+00
5.800E+03	2.046E-01	3.239E+02	7.428E+01	7.325E+00	3.417E+00	2.649E+01	2.010E+01	1.274E+00
6.000E+03	1.954E-01	3.367E+02	7.517E+01	7.488E+00	3.460E+00	2.503E+01	1.974E+01	1.271E+00
6.200E+03	1.870E-01	3.455E+02	7.602E+01	7.631E+00	3.497E+00	2.402E+01	2.021E+01	1.263E+00
6.400E+03	1.793E-01	3.627E+02	7.686E+01	7.764E+00	3.533E+00	2.732E+01	2.126E+01	1.254E+00
6.600E+03	1.721E-01	3.785E+02	7.773E+01	7.896E+00	3.570E+00	2.892E+01	2.268E+01	1.245E+00
6.800E+03	1.654E-01	3.912E+02	7.862E+01	8.033E+00	3.607E+00	3.072E+01	2.422E+01	1.238E+00
7.000E+03	1.589E-01	4.068E+02	7.953E+01	8.178E+00	3.646E+00	3.240E+01	2.562E+01	1.233E+00
7.200E+03	1.528E-01	4.231E+02	8.046E+01	8.332E+00	3.686E+00	3.368E+01	2.666E+01	1.231E+00
7.400E+03	1.471E-01	4.399E+02	8.140E+01	8.496E+00	3.727E+00	3.430E+01	2.712E+01	1.231E+00
7.600E+03	1.416E-01	4.567E+02	8.231E+01	8.670E+00	3.767E+00	3.410E+01	2.688E+01	1.235E+00
7.800E+03	1.366E-01	4.733E+02	8.318E+01	8.853E+00	3.806E+00	3.305E+01	2.593E+01	1.242E+00
8.000E+03	1.319E-01	4.892E+02	8.400E+01	9.044E+00	3.842E+00	3.126E+01	2.437E+01	1.252E+00
8.200E+03	1.277E-01	5.041E+02	8.474E+01	9.242E+00	3.874E+00	2.900E+01	2.243E+01	1.265E+00
8.400E+03	1.237E-01	5.178E+02	8.541E+01	9.445E+00	3.902E+00	2.656E+01	2.035E+01	1.291E+00
8.600E+03	1.201E-01	5.302E+02	8.601E+01	9.650E+00	3.925E+00	2.423E+01	1.836E+01	1.298E+00
8.800E+03	1.168E-01	5.417E+02	8.654E+01	9.853E+00	3.944E+00	2.220E+01	1.643E+01	1.316E+00
9.000E+03	1.138E-01	5.522E+02	8.702E+01	1.005E+01	3.960E+00	2.057E+01	1.525E+01	1.332E+00
9.200E+03	1.109E-01	5.621E+02	8.746E+01	1.023E+01	3.974E+00	1.937E+01	1.424E+01	1.346E+00
9.400E+03	1.083E-01	5.714E+02	8.787E+01	1.039E+01	3.985E+00	1.853E+01	1.358E+01	1.356E+00
9.600E+03	1.057E-01	5.802E+02	8.825E+01	1.053E+01	3.995E+00	1.814E+01	1.322E+01	1.361E+00
9.800E+03	1.033E-01	5.893E+02	8.863E+01	1.066E+01	4.004E+00	1.800E+01	1.312E+01	1.362E+00
1.000E+04	1.011E-01	5.982E+02	8.899E+01	1.077E+01	4.013E+00	1.813E+01	1.325E+01	1.359E+00
1.100E+04	9.880E-02	6.464E+02	9.085E+01	1.117E+01	4.061E+00	1.865E+01	1.631E+01	1.315E+00
1.200E+04	8.177E-02	7.080E+02	9.302E+01	1.157E+01	4.113E+00	2.883E+01	2.233E+01	1.269E+00
1.300E+04	7.344E-02	7.913E+02	9.572E+01	1.206E+01	4.248E+00	3.929E+01	3.381E+01	1.238E+00
1.400E+04	6.553E-02	9.043E+02	9.911E+01	1.267E+01	4.420E+00	5.285E+01	4.133E+01	1.231E+00
1.500E+04	5.799E-02	1.034E+03	1.033E+02	1.343E+01	4.663E+00	6.875E+01	5.301E+01	1.213E+00
1.600E+04	5.090E-02	1.244E+03	1.082E+02	1.432E+01	4.977E+00	8.507E+01	6.430E+01	1.211E+00
1.700E+04	4.448E-02	1.471E+03	1.138E+02	1.534E+01	5.363E+00	9.863E+01	7.304E+01	1.215E+00
1.800E+04	3.891E-02	1.725E+03	1.197E+02	1.646E+01	5.791E+00	1.058E+02	7.708E+01	1.223E+00
1.900E+04	3.430E-02	1.986E+03	1.254E+02	1.772E+01	6.224E+00	1.043E+02	7.526E+01	1.235E+00
2.000E+04	3.062E-02	2.233E+03	1.306E+02	1.878E+01	6.623E+00	9.509E+01	6.830E+01	1.252E+00
2.100E+04	2.775E-02	2.451E+03	1.345E+02	1.990E+01	6.966E+00	6.159E+01	5.843E+01	1.275E+00
2.200E+04	2.551E-02	2.635E+03	1.384E+02	2.058E+01	7.225E+00	6.764E+01	4.818E+01	1.303E+00
2.300E+04	2.375E-02	2.786E+03	1.411E+02	2.201E+01	7.425E+00	5.570E+01	3.931E+01	1.335E+00
2.400E+04	2.231E-02	2.912E+03	1.433E+02	2.298E+01	7.573E+00	4.668E+01	3.256E+01	1.367E+00
2.500E+04	2.112E-02	3.019E+03	1.450E+02	2.387E+01	7.681E+00	4.057E+01	2.799E+01	1.396E+00
2.600E+04	2.009E-02	3.114E+03	1.466E+02	2.462E+01	7.763E+00	3.705E+01	2.543E+01	1.413E+00
2.700E+04	1.919E-02	3.203E+03	1.479E+02	2.521E+01	7.829E+00	3.581E+01	2.467E+01	1.414E+00
2.800E+04	1.837E-02	3.282E+03	1.490E+02	2.563E+01	7.886E+00	3.661E+01	2.594E+01	1.408E+00
2.900E+04	1.761E-02	3.358E+03	1.500E+02	2.595E+01	7.933E+00	3.923E+01	2.787E+01	1.375E+00
3.000E+04	1.689E-02	3.437E+03	1.509E+02	2.624E+01	8.002E+00	4.334E+01	3.177E+01	1.349E+00
3.100E+04	1.621E-02	3.510E+03	1.515E+02	2.655E+01	8.070E+00	4.833E+01	3.552E+01	1.326E+00
3.200E+04	1.556E-02	3.575E+03	1.519E+02	2.684E+01	8.147E+00	5.243E+01	3.943E+01	1.310E+00
3.300E+04	1.493E-02	3.642E+03	1.526E+02	2.714E+01	8.233E+00	5.760E+01	4.292E+01	1.300E+00
3.400E+04	1.433E-02	3.704E+03	1.535E+02	2.744E+01	8.324E+00	6.006E+01	4.477E+01	1.298E+00
3.500E+04	1.377E-02	3.757E+03	1.540E+02	2.854E+01	8.416E+00	6.046E+01	4.494E+01	1.301E+00
3.600E+04	1.324E-02	3.804E+03	1.542E+02	2.818E+01	8.506E+00	5.893E+01	4.350E+01	1.309E+00
3.700E+04	1.274E-02	3.844E+03	1.543E+02	2.964E+01	8.588E+00	5.603E+01	4.115E+01	1.320E+00
3.800E+04	1.228E-02	3.880E+03	1.540E+02	3.056E+01	8.661E+00	5.243E+01	3.819E+01	1.335E+00
3.900E+04	1.182E-02	3.905E+03	1.544E+02	3.126E+01	8.723E+00	4.880E+01	3.523E+01	1.351E+00
4.000E+04	1.155E-02	3.821E+03	1.547E+02	3.194E+01	8.779E+00	4.562E+01	3.266E+01	1.367E+00
4.100E+04	1.121E-02	3.931E+03	1.548E+02	3.257E+01	8.828E+00	4.323E+01	3.072E+01	1.379E+00
4.200E+04	1.089E-02	3.935E+03	1.549E+02	3.313E+01	8.866E+00	4.170E+01	2.950E+01	1.386E+00
4.300E+04	1.059E-02	3.937E+03	1.548E+02	3.359E+01	8.903E+00	4.121E+01	2.925E+01	1.387E+00
4.400E+04	1.031E-02	3.929E+03	1.547E+02	3.397E+01	8.937E+00	4.175E+01	2.978E+01	1.381E+00
4.500E+04	1.005E-02	3.944E+03	1.545E+02	3.427E+01	8.971E+00	4.328E+01	3.114E+01	1.369E+00
4.600E+04	9.789E-03	3.953E+03	1.543E+02	3.453E+01	9.006E+00	4.373E+01	3.126E+01	1.354E+00
4.700E+04	9.541E-03	3.957E+03	1.543E+02	3.476E+01	9.044E+00	4.894E+01	3.680E+01	1.337E+00
4.800E+04	9.299E-03	3.945E+03	1.546E+02	3.501E+01	9.086E+00	5.276E+01	3.917E+01	1.322E+00
4.900E+04	9.062E-03	3.930E+03	1.547E+02	3.529E+01	9.133E+00	5.684E+01	4.254E+01	1.309E+00
5.000E+04	8.831E-03	3.976E+03	1.547E+02	3.561E+01	9.185E+00	6.084E+01	4.580E+01	1.299E+00

P/PD = 1.20E+01

T	RHO/RHO-U	M/RTO	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
5.00E+02	6.889E+00	-3.453E-01	2.872E+01	1.335E+00	1.413E+00	3.156E+01	2.346E+01	1.187E+00
6.00E+02	4.533E+00	6.576E+00	3.413E+01	1.789E+00	1.676E+00	2.345E+01	1.759E+01	1.231E+00
7.00E+02	3.582E+00	1.109E+01	3.675E+01	1.941E+00	1.941E+00	1.189E+01	8.801E+00	1.305E+00
8.00E+02	3.371E+00	1.353E+01	3.806E+01	2.136E+00	1.981E+00	8.512E+00	6.227E+00	1.354E+00
9.00E+02	2.714E+00	1.548E+01	3.901E+01	2.283E+00	1.992E+00	7.735E+00	5.670E+00	1.368E+00
1.00E+03	2.434E+00	1.736E+01	3.981E+01	2.409E+00	1.996E+00	7.562E+00	5.520E+00	1.368E+00
1.10E+03	2.214E+00	1.923E+01	4.053E+01	2.523E+00	1.998E+00	7.566E+00	5.546E+00	1.363E+00
1.20E+03	2.029E+00	2.111E+01	4.120E+01	2.611E+00	1.999E+00	7.627E+00	5.616E+00	1.357E+00

TABLE I. - Continued

T	RHC/RHO-D	W/RTD	S/R	A/AU	Z	CP/R	CV/R	GAMMA
1.300E+03	1.872E+00	2.300E+01	4.181E+01	2.732E+00	1.999E+00	7.708F+00	5.702E+00	1.351E+00
1.400E+03	1.738E+00	2.492E+01	4.239E+01	2.830E+00	2.000E+00	7.796E+00	5.792E+00	1.344E+00
1.500E+03	1.622E+00	2.686E+01	4.293E+01	2.923E+00	2.000E+00	7.884E+00	5.883E+00	1.340E+00
1.600E+03	1.521F+00	2.882E+01	4.344E+01	3.013E+00	2.000E+00	7.976E+00	5.974E+00	1.335E+00
1.700E+03	1.431E+00	3.083E+01	4.393E+01	3.100E+00	2.000E+00	8.068E+00	6.066E+00	1.330E+00
1.800F+03	1.352E+00	3.281E+01	4.440E+01	3.184E+00	2.000E+00	8.167E+00	6.163E+00	1.325E+00
1.900E+03	1.281F+00	3.485E+01	4.485E+01	3.265E+00	2.000E+00	8.268E+00	6.274E+00	1.320E+00
2.000E+03	1.216E+00	3.692E+01	4.528E+01	3.343E+00	2.000E+00	8.371E+00	6.405E+00	1.314E+00
2.100E+03	1.158E+00	3.902F+01	4.569E+01	3.417E+00	2.001E+00	8.476E+00	6.572E+00	1.307E+00
2.200E+03	1.105E+00	4.118E+01	4.610E+01	3.487E+00	2.001E+00	8.582E+00	6.787E+00	1.299E+00
2.300E+03	1.057E+00	4.340E+01	4.650E+01	3.554E+00	2.002E+00	8.689E+00	7.070E+00	1.290E+00
2.400E+03	1.012E+00	4.572E+01	4.690E+01	3.618E+00	2.004E+00	8.807E+00	7.439E+00	1.280E+00
2.500E+03	9.703E-01	4.814E+01	4.732E+01	3.678E+00	2.006F+00	8.936E+00	7.915E+00	1.269E+00
2.600E+03	9.315E-01	5.072E+01	4.772E+01	3.734E+00	2.010E+00	9.073F+00	8.520E+00	1.257E+00
2.700F+03	8.949E-01	5.348E+01	4.814E+01	3.782E+00	2.014E+00	9.218E+00	9.274E+00	1.244E+00
2.800L+03	8.603E-01	5.648E+01	4.858E+01	3.849E+00	2.020E+00	9.370E+00	1.020F+01	1.232E+00
2.900E+03	8.273E-01	5.976E+01	4.905E+01	3.907E+00	2.029E+00	9.529E+00	1.138E+01	1.221E+00
3.000F+03	7.955E-01	6.339E+01	4.955E+01	3.967E+00	2.039E+00	9.694E+00	1.260E+01	1.210E+00
3.100E+03	7.649E-01	6.742E+01	5.009E+01	4.031E+00	2.053E+00	9.864E+00	1.411E+01	1.201E+00
3.200E+03	7.344E-01	7.192E+01	5.067E+01	4.100E+00	2.070E+00	1.004E+01	1.587E+01	1.194E+00
3.300E+03	7.055E-01	7.699E+01	5.130E+01	4.174E+00	2.090E+00	1.026E+01	1.772E+01	1.188E+00
3.400E+03	6.787E-01	8.258E+01	5.198E+01	4.253E+00	2.115E+00	1.048E+01	1.981E+01	1.183F+00
3.500E+03	6.540E-01	8.888E+01	5.272E+01	4.340E+00	2.145E+00	1.070E+01	2.206E+01	1.180E+00
3.600E+03	6.292E-01	9.590E+01	5.352E+01	4.435E+00	2.180E+00	1.093E+01	2.442E+01	1.178E+00
3.700F+03	6.024E-01	1.037E+02	5.439E+01	4.534F+00	2.220E+00	1.116E+01	2.690E+01	1.177E+00
3.800E+03	5.657E-01	1.123E+02	5.532E+01	4.642E+00	2.266E+00	1.140E+01	2.930E+01	1.177E+00
3.900E+03	5.283E-01	1.217E+02	5.631E+01	4.758E+00	2.318F+00	1.164E+01	3.168E+01	1.178E+00
4.000E+03	4.912E-01	1.319E+02	5.736E+01	4.881F+00	2.375E+00	1.188E+01	3.350E+01	1.180E+00
4.100F+03	4.546E-01	1.428E+02	5.846E+01	5.012E+00	2.438E+00	1.212E+01	3.588E+01	1.182E+00
4.200F+03	4.244E-01	1.545E+02	5.959E+01	5.148E+00	2.506E+00	1.236E+01	3.752E+01	1.185E+00
4.300E+03	3.922F-01	1.666E+02	6.075E+01	5.291E+00	2.577E+00	1.260E+01	3.872E+01	1.188E+00
4.400E+03	3.673E-01	1.792E+02	6.193E+01	5.437E+00	2.651E+00	1.284E+01	3.942E+01	1.193E+00
4.500E+03	3.490E-01	1.921E+02	6.309E+01	5.587E+00	2.728E+00	1.308E+01	3.956E+01	1.197E+00
4.600E+03	3.377E-01	2.064E+02	6.424E+01	5.739E+00	2.807E+00	1.332E+01	3.915E+01	1.202E+00
4.700E+03	3.302E-01	2.214E+02	6.534E+01	5.890E+00	2.875E+00	1.356E+01	3.822E+01	1.208E+00
4.800F+03	3.242E-01	2.370E+02	6.639E+01	6.041E+00	2.945E+00	1.380E+01	3.682E+01	1.214E+00
4.900E+03	3.237E-01	2.531E+02	6.738F+01	6.189E+00	3.012E+00	1.404E+01	3.508E+01	1.221E+00
5.000E+03	3.168E-01	2.527E+02	6.829E+01	6.334E+00	3.074E+00	1.428E+01	3.310E+01	1.228E+00
5.100F+03	3.141E-01	2.730E+02	6.991E+01	6.411E+00	3.182E+00	1.452E+01	3.054E+01	1.242E+00
5.200E+03	3.175E-01	2.907E+02	7.127E+01	6.467E+00	3.270E+00	1.476E+01	2.825E+01	1.256E+00
5.300E+03	3.231E-01	3.063E+02	7.241E+01	6.577E+00	3.379E+00	1.500E+01	2.607E+01	1.267E+00
5.400E+03	3.297E-01	3.203E+02	7.341E+01	6.728E+00	3.494E+00	1.524E+01	2.407E+01	1.273E+00
5.500E+03	3.374E-01	3.334E+02	7.431E+01	6.871E+00	3.600E+00	1.548E+01	2.223E+01	1.272E+00
5.600E+03	3.463E-01	3.463E+02	7.517E+01	7.022E+00	3.708E+00	1.572E+01	2.010E+01	1.267E+00
5.700E+03	3.567E-01	3.593E+02	7.601E+01	7.159E+00	3.817E+00	1.596E+01	1.808E+01	1.258E+00
5.800E+03	3.687E-01	3.729E+02	7.684E+01	7.293E+00	3.925E+00	1.620E+01	1.615E+01	1.250E+00
5.900E+03	3.821E-01	3.873E+02	7.775E+01	7.425E+00	4.033E+00	1.644E+01	1.435E+01	1.242E+00
6.000E+03	3.970E-01	4.024E+02	7.862E+01	7.556E+00	4.140E+00	1.668E+01	1.269E+01	1.236E+00
6.100E+03	4.133E-01	4.183E+02	7.953E+01	7.687E+00	4.248E+00	1.692E+01	1.108E+01	1.233E+00
6.200E+03	4.308E-01	4.348E+02	8.044E+01	7.818E+00	4.356E+00	1.716E+01	9.47E+00	1.233E+00
6.300E+03	4.494E+00	4.516E+02	8.135E+01	7.949E+00	4.464E+00	1.740E+01	7.86E+00	1.236E+00
6.400E+03	4.681E+00	4.681E+02	8.222E+01	8.080E+00	4.572E+00	1.764E+01	6.25E+00	1.241E+00
6.500E+03	4.870E+00	4.842E+02	8.305E+01	8.211E+00	4.680E+00	1.788E+01	4.64E+00	1.249E+00
6.600E+03	5.061E+00	5.006E+02	8.388E+01	8.342E+00	4.788E+00	1.812E+01	3.03E+00	1.261E+00
6.700E+03	5.254E+00	5.173E+02	8.450E+01	8.473E+00	4.896E+00	1.836E+01	1.42E+00	1.275E+00
6.800E+03	5.449E+00	5.343E+02	8.512E+01	8.604E+00	5.004E+00	1.860E+01	1.920E+01	1.291E+00
6.900E+03	5.646E+00	5.515E+02	8.564E+01	8.735E+00	5.112E+00	1.884E+01	1.741E+01	1.308E+00
7.000E+03	5.845E+00	5.687E+02	8.616E+01	8.866E+00	5.220E+00	1.908E+01	1.590E+01	1.325E+00
7.100E+03	6.046E+00	5.860E+02	8.668E+01	8.997E+00	5.328E+00	1.932E+01	1.474E+01	1.340E+00
7.200E+03	6.249E+00	6.034E+02	8.720E+01	9.128E+00	5.436E+00	1.956E+01	1.391E+01	1.352E+00
7.300E+03	6.454E+00	6.208E+02	8.772E+01	9.259E+00	5.544E+00	1.980E+01	1.300E+01	1.359E+00
7.400E+03	6.660E+00	6.383E+02	8.824E+01	9.390E+00	5.652E+00	2.004E+01	1.317E+01	1.362E+00
7.500E+03	6.867E+00	6.558E+02	8.876E+01	9.521E+00	5.760E+00	2.028E+01	1.316E+01	1.361E+00
7.600E+03	7.075E+00	6.734E+02	8.928E+01	9.652E+00	5.868E+00	2.052E+01	1.567E+01	1.373E+00
7.700E+03	7.284E+00	6.910E+02	8.980E+01	9.783E+00	5.976E+00	2.076E+01	2.110E+01	1.277E+00
7.800E+03	7.494E+00	7.086E+02	9.032E+01	9.914E+00	6.084E+00	2.100E+01	2.738E+01	1.277E+00
7.900E+03	7.705E+00	7.262E+02	9.084E+01	1.0045E+00	6.192E+00	2.124E+01	3.294E+01	1.245E+00
8.000E+03	7.917E+00	7.438E+02	9.136E+01	1.0176E+00	6.300E+00	2.148E+01	3.850E+01	1.226E+00
8.100E+03	8.130E+00	7.614E+02	9.188E+01	1.0307E+00	6.408E+00	2.172E+01	4.406E+01	1.226E+00
8.200E+03	8.344E+00	7.790E+02	9.240E+01	1.0438E+00	6.516E+00	2.196E+01	4.962E+01	1.226E+00
8.300E+03	8.559E+00	7.966E+02	9.292E+01	1.0569E+00	6.624E+00	2.220E+01	5.518E+01	1.226E+00
8.400E+03	8.774E+00	8.142E+02	9.344E+01	1.0700E+00	6.732E+00	2.244E+01	6.074E+01	1.226E+00
8.500E+03	8.990E+00	8.318E+02	9.396E+01	1.0831E+00	6.840E+00	2.268E+01	6.630E+01	1.226E+00
8.600E+03	9.206E+00	8.494E+02	9.448E+01	1.0962E+00	6.948E+00	2.292E+01	7.186E+01	1.226E+00
8.700E+03	9.422E+00	8.670E+02	9.500E+01	1.1093E+00	7.056E+00	2.316E+01	7.742E+01	1.226E+00
8.800E+03	9.638E+00	8.846E+02	9.552E+01	1.1224E+00	7.164E+00	2.340E+01	8.298E+01	1.226E+00
8.900E+03	9.854E+00	9.022E+02	9.604E+01	1.1355E+00	7.272E+00	2.364E+01	8.854E+01	1.226E+00
9.000E+03	1.0070E+00	9.198E+02	9.656E+01	1.1486E+00	7.380E+00	2.388E+01	9.410E+01	1.226E+00
9.100E+03	1.0286E+00	9.374E+02	9.708E+01	1.1617E+00	7.488E+00	2.412E+01	9.966E+01	1.226E+00
9.200E+03	1.0502E+00	9.550E+02	9.760E+01	1.1748E+00	7.596E+00	2.436E+01	1.0522E+01	1.226E+00
9.300E+03	1.0718E+00	9.726E+02	9.812E+01	1.1879E+00	7.704E+00	2.460E+01	1.1078E+01	1.226E+00
9.400E+03	1.0934E+00	9.902E+02	9.864E+01	1.2010E+00	7.812E+00	2.484E+01	1.1634E+01	1.226E+00
9.500E+03	1.1150E+00	1.0078E+03	9.916E+01	1.2141E+00	7.920E+00	2.508E+01	1.2190E+01	1.226E+00
9.600E+03	1.1366E+00	1.0254E+03	9.968E+01	1.2272E+00	8.028E+00	2.532E+01	1.2746E+01	1.226E+00
9.700E+03	1.1582E+00	1.0430E+03	1.0020E+02	1.2403E+00	8.136E+00	2.556E+01	1.3302E+01	1.226E+00
9.800E+03	1.1798E+00	1.0606E+03	1.0072E+02	1.2534E+00	8.244E+00	2.580E+01	1.3858E+01	1.226E+00
9.900E+03	1.2014E+00	1.0782E+03	1.0124E+02	1.2665E+00	8.352E+00	2.604E+01	1.4414E+01	1.226E+00
1.000E+04	1.2230E+00	1.0958E+03	1.0176E+02	1.2796E+00	8.460E+00	2.628E+01	1.4970E+01	1.226E+00
1.100E+04	1.2446E+00	1.1134E+03	1.0228E+02	1.2927E+00	8.568E+00	2.652E+01	1.5526E+01	1.226E+00
1.200E+04	1.2662E+00	1.1310E+03	1.0280E+02	1.3058E+00	8.676E+00	2.676E+01	1.6082E+01	1.226E+00
1.300E+04	1.2878E+00	1.1486E+03	1.0332E+02	1.3189E+00	8.784E+00	2.700E+01	1.6638E+01	1.226E+00
1.400E+04	1.3094E+00	1.1662E+03	1.0384E+02	1.3320E+00	8.892E+00	2.724E+01	1.7194E+01	1.226E+00
1.500E+04	1.3310E+00	1.1838E+03	1.0436E+02	1.3451E+00	9.000E+00	2.748E+0		

TABLE I. - Continued

T	RHO/RHO-0	N/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
3.500E+04	1.663E-02	4.107E+03	1.582E+02	2.846E+01	8.363E+00	9.977E+01	4.437E+01	1.302E+00
3.600E+04	1.599E-02	4.254E+03	1.599E+02	2.908E+01	8.459E+00	9.521E+01	4.370E+01	1.307E+00
3.700E+04	1.541E-02	4.397E+03	1.615E+02	2.973E+01	8.538E+00	9.700E+01	4.196E+01	1.317E+00
3.800E+04	1.487E-02	4.534E+03	1.629E+02	3.042E+01	8.615E+00	9.397E+01	3.939E+01	1.329E+00
3.900E+04	1.437E-02	4.663E+03	1.643E+02	3.111E+01	8.683E+00	9.051E+01	3.656E+01	1.344E+00
4.000E+04	1.392E-02	4.784E+03	1.655E+02	3.179E+01	8.742E+00	8.723E+01	3.390E+01	1.360E+00
4.100E+04	1.350E-02	4.897E+03	1.667E+02	3.244E+01	8.793E+00	8.451E+01	3.172E+01	1.373E+01
4.200E+04	1.311E-02	5.004E+03	1.677E+02	3.303E+01	8.837E+00	8.257E+01	3.020E+01	1.383E+00
4.300E+04	1.275E-02	5.107E+03	1.687E+02	3.355E+01	8.875E+00	8.155E+01	2.943E+01	1.387E+00
4.400E+04	1.241E-02	5.209E+03	1.697E+02	3.398E+01	8.911E+00	8.150E+01	2.947E+01	1.385E+00
4.500E+04	1.209E-02	5.313E+03	1.706E+02	3.432E+01	8.945E+00	8.240E+01	2.931E+01	1.377E+00
4.600E+04	1.178E-02	5.419E+03	1.715E+02	3.461E+01	8.980E+00	8.422E+01	2.910E+01	1.364E+00
4.700E+04	1.148E-02	5.521E+03	1.725E+02	3.484E+01	9.016E+00	8.680E+01	2.816E+01	1.349E+00
4.800E+04	1.120E-02	5.621E+03	1.733E+02	3.510E+01	9.056E+00	9.016E+01	2.696E+01	1.334E+00
4.900E+04	1.092E-02	5.719E+03	1.746E+02	3.536E+01	9.099E+00	9.390E+01	4.004E+01	1.320E+00
5.000E+04	1.064E-02	5.817E+03	1.757E+02	3.566E+01	9.147E+00	9.778E+01	4.323E+01	1.308E+00

P/P0 = 1.40E+01

T	RHO/RHO-0	N/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
5.000E+02	4.187E+00	-7.374E-01	2.818E+01	1.323E+00	1.387E+00	3.028E+01	2.280E+01	1.187E+00
6.000E+02	5.359E+00	6.604E+00	3.363E+01	1.663E+00	1.744E+00	2.448E+01	1.830E+01	1.228E+00
7.000E+02	4.198E+00	1.394E+01	3.637E+01	1.932E+00	1.932E+00	1.242E+01	9.274E+00	1.799E+00
8.000E+02	3.549E+00	1.345E+01	3.773E+01	2.131E+00	1.978E+00	8.713E+00	6.382E+00	1.500E+00
9.000E+02	3.168E+00	1.546E+01	3.869E+01	2.282E+00	1.991E+00	7.800E+00	5.683E+00	1.464E+00
1.000E+03	2.845E+00	1.735E+01	3.950E+01	2.408E+00	1.996E+00	7.589E+00	5.540E+00	1.367E+00
1.100E+03	2.564E+00	1.923E+01	4.022E+01	2.523E+00	1.998E+00	7.578E+00	5.555E+00	1.362E+00
1.200E+03	2.367E+00	2.110E+01	4.089E+01	2.633E+00	1.999E+00	7.633E+00	5.621E+00	1.357E+00
1.300E+03	2.185E+00	2.300E+01	4.150E+01	2.732E+00	1.999E+00	7.712E+00	5.704E+00	1.351E+00
1.400E+03	2.024E+00	2.492E+01	4.208E+01	2.830E+00	1.999E+00	7.798E+00	5.733E+00	1.346E+00
1.500E+03	1.893E+00	2.686E+01	4.262E+01	2.923E+00	2.000E+00	7.887E+00	5.804E+00	1.342E+00
1.600E+03	1.775E+00	2.882E+01	4.314E+01	3.013E+00	2.000E+00	7.976E+00	5.874E+00	1.338E+00
1.700E+03	1.670E+00	3.080E+01	4.362E+01	3.100E+00	2.000E+00	8.067E+00	6.045E+00	1.335E+00
1.800E+03	1.577E+00	3.281E+01	4.409E+01	3.184E+00	2.000E+00	8.165E+00	6.116E+00	1.332E+00
1.900E+03	1.494E+00	3.485E+01	4.454E+01	3.265E+00	2.000E+00	8.274E+00	6.288E+00	1.329E+00
2.000E+03	1.419E+00	3.691E+01	4.497E+01	3.343E+00	2.000E+00	8.406E+00	6.395E+00	1.314E+00
2.100E+03	1.351E+00	3.902E+01	4.538E+01	3.418E+00	2.001E+00	8.573E+00	6.554E+00	1.308E+00
2.200E+03	1.290E+00	4.117E+01	4.579E+01	3.489E+00	2.001E+00	8.791E+00	6.798E+00	1.300E+00
2.300E+03	1.233E+00	4.338E+01	4.619E+01	3.556E+00	2.002E+00	9.078E+00	7.023E+00	1.292E+00
2.400E+03	1.181E+00	4.568E+01	4.659E+01	3.620E+00	2.004E+00	9.456E+00	7.345E+00	1.287E+00
2.500E+03	1.132E+00	4.808E+01	4.699E+01	3.681E+00	2.006E+00	9.946E+00	7.814E+00	1.278E+00
2.600E+03	1.087E+00	5.062E+01	4.739E+01	3.739E+00	2.009E+00	1.057E+01	8.377E+00	1.294E+00
2.700E+03	1.045E+00	5.334E+01	4.781E+01	3.796E+00	2.013E+00	1.144E+01	9.076E+00	1.274E+00
2.800E+03	1.004E+00	5.627E+01	4.824E+01	3.853E+00	2.019E+00	1.233E+01	9.639E+00	1.235E+00
2.900E+03	9.661E-01	5.947E+01	4.870E+01	3.910E+00	2.026E+00	1.351E+01	1.056E+01	1.224E+00
3.000E+03	9.294E-01	6.299E+01	4.918E+01	3.970E+00	2.036E+00	1.491E+01	1.217E+01	1.214E+00
3.100E+03	8.934E-01	6.689E+01	4.970E+01	4.033E+00	2.049E+00	1.655E+01	1.357E+01	1.200E+00
3.200E+03	8.594E-01	7.121E+01	5.026E+01	4.100E+00	2.064E+00	1.844E+01	1.517E+01	1.197E+00
3.300E+03	8.257E-01	7.604E+01	5.086E+01	4.172E+00	2.084E+00	2.058E+01	1.695E+01	1.191E+00
3.400E+03	7.961E-01	8.143E+01	5.151E+01	4.250E+00	2.107E+00	2.298E+01	1.890E+01	1.186E+00
3.500E+03	7.700E-01	8.743E+01	5.222E+01	4.334E+00	2.134E+00	2.562E+01	2.111E+01	1.183E+00
3.600E+03	7.479E-01	9.412E+01	5.299E+01	4.424E+00	2.167E+00	2.847E+01	2.324E+01	1.180E+00
3.700E+03	7.295E-01	1.015E+02	5.381E+01	4.521E+00	2.204E+00	3.164E+01	2.555E+01	1.179E+00
3.800E+03	7.149E-01	1.097E+02	5.469E+01	4.626E+00	2.247E+00	3.461E+01	2.789E+01	1.179E+00
3.900E+03	7.031E-01	1.186E+02	5.564E+01	4.738E+00	2.296E+00	3.777E+01	3.019E+01	1.179E+00
4.000E+03	6.941E-01	1.283E+02	5.663E+01	4.857E+00	2.350E+00	4.127E+01	3.298E+01	1.181E+00
4.100E+03	6.879E-01	1.388E+02	5.768E+01	4.983E+00	2.409E+00	4.538E+01	3.637E+01	1.183E+00
4.200E+03	6.837E-01	1.499E+02	5.877E+01	5.115E+00	2.473E+00	4.977E+01	3.990E+01	1.185E+00
4.300E+03	6.805E-01	1.616E+02	5.989E+01	5.254E+00	2.541E+00	5.452E+01	4.372E+01	1.189E+00
4.400E+03	6.781E-01	1.738E+02	6.102E+01	5.397E+00	2.612E+00	5.968E+01	4.783E+01	1.192E+00
4.500E+03	6.765E-01	1.862E+02	6.216E+01	5.543E+00	2.684E+00	6.527E+01	5.234E+01	1.197E+00
4.600E+03	6.755E-01	1.988E+02	6.328E+01	5.692E+00	2.758E+00	7.139E+01	5.729E+01	1.202E+00
4.700E+03	6.750E-01	2.114E+02	6.437E+01	5.842E+00	2.831E+00	7.804E+01	6.269E+01	1.207E+00
4.800E+03	6.750E-01	2.237E+02	6.542E+01	5.992E+00	2.902E+00	8.523E+01	6.847E+01	1.213E+00
4.900E+03	6.750E-01	2.392E+02	6.642E+01	6.140E+00	2.969E+00	9.304E+01	7.469E+01	1.219E+00
5.000E+03	6.744E-01	2.469E+02	6.735E+01	6.286E+00	3.033E+00	1.015E+01	8.137E+01	1.226E+00
5.200E+03	6.741E-01	2.679E+02	6.902E+01	6.565E+00	3.146E+00	1.104E+01	8.961E+01	1.240E+00
5.400E+03	6.747E-01	2.863E+02	7.043E+01	6.825E+00	3.239E+00	1.204E+01	9.840E+01	1.253E+00
5.600E+03	6.752E-01	3.024E+02	7.162E+01	7.062E+00	3.313E+00	1.303E+01	1.078E+01	1.265E+00
5.800E+03	6.753E-01	3.169E+02	7.265E+01	7.271E+00	3.375E+00	1.418E+01	1.175E+01	1.271E+00
6.000E+03	6.754E-01	3.304E+02	7.358E+01	7.453E+00	3.422E+00	1.542E+01	1.279E+01	1.278E+00
6.200E+03	6.754E-01	3.434E+02	7.444E+01	7.611E+00	3.464E+00	1.672E+01	1.391E+01	1.289E+00
6.400E+03	6.753E-01	3.564E+02	7.528E+01	7.754E+00	3.502E+00	1.807E+01	1.506E+01	1.297E+00
6.600E+03	6.753E-01	3.694E+02	7.612E+01	7.889E+00	3.539E+00	1.946E+01	1.624E+01	1.303E+00
6.800E+03	6.753E-01	3.824E+02	7.698E+01	8.024E+00	3.576E+00	2.087E+01	1.744E+01	1.308E+00
7.000E+03	6.753E-01	3.958E+02	7.785E+01	8.164E+00	3.614E+00	2.230E+01	1.867E+01	1.312E+00
7.200E+03	6.753E-01	4.144E+02	7.874E+01	8.312E+00	3.653E+00	2.372E+01	1.994E+01	1.316E+00
7.400E+03	6.753E-01	4.336E+02	7.964E+01	8.469E+00	3.692E+00	2.513E+01	2.124E+01	1.319E+00
7.600E+03	6.753E-01	4.522E+02	8.054E+01	8.634E+00	3.732E+00	2.654E+01	2.254E+01	1.323E+00
7.800E+03	6.753E-01	4.707E+02	8.141E+01	8.808E+00	3.772E+00	2.795E+01	2.384E+01	1.326E+00
8.000E+03	6.753E-01	4.899E+02	8.224E+01	8.990E+00	3.812E+00	2.936E+01	2.514E+01	1.329E+00
8.200E+03	6.753E-01	5.093E+02	8.301E+01	9.179E+00	3.854E+00	3.077E+01	2.644E+01	1.332E+00
8.400E+03	6.753E-01	5.298E+02	8.377E+01	9.375E+00	3.897E+00	3.218E+01	2.774E+01	1.335E+00
8.600E+03	6.753E-01	5.504E+02	8.454E+01	9.574E+00	3.941E+00	3.359E+01	2.904E+01	1.338E+00
8.800E+03	6.753E-01	5.716E+02	8.533E+01	9.775E+00	3.986E+00	3.500E+01	3.034E+01	1.341E+00

TABLE I. - Continued

T	RHO/RHJ-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+03	1.600E-01	5.489E+02	8.545E+01	9.573E+00	3.943E+00	2.207E+01	1.649E+01	1.319E+00
9.200E+03	1.559E-01	5.174E+02	8.592E+01	1.016E+01	3.950E+00	2.056E+01	1.522E+01	1.374E+00
9.400E+03	1.521E-01	5.672E+02	8.635E+01	1.036E+01	3.972E+00	1.963E+01	1.426E+01	1.347E+00
9.600E+03	1.485E-01	5.766E+02	8.675E+01	1.050E+01	3.983E+00	1.866E+01	1.363E+01	1.356E+00
9.800E+03	1.451E-01	5.857E+02	8.713E+01	1.064E+01	3.993E+00	1.822E+01	1.327E+01	1.341E+00
1.000E+04	1.418E-01	5.946E+02	8.749E+01	1.077E+01	4.004E+00	1.807E+01	1.315E+01	1.363E+00
1.100E+04	1.387E-01	6.411E+02	8.929E+01	1.122E+01	4.048E+00	2.037E+01	1.510E+01	1.330E+00
1.200E+04	1.351E-01	6.979E+02	9.124E+01	1.160E+01	4.111E+00	2.626E+01	2.019E+01	1.284E+00
1.300E+04	1.318E-01	7.730E+02	9.372E+01	1.206E+01	4.209E+00	3.511E+01	2.739E+01	1.250E+00
1.400E+04	9.711E-02	8.734E+02	9.673E+01	1.262E+01	4.355E+00	4.677E+01	3.654E+01	1.230E+00
1.500E+04	8.297E-02	1.006E+03	1.304E+02	1.332E+01	4.562E+00	6.073E+01	4.690E+01	1.219E+00
1.600E+04	7.339E-02	1.174E+03	1.368E+02	1.413E+01	4.835E+00	7.573E+01	5.795E+01	1.215E+00
1.700E+04	6.456E-02	1.378E+03	1.098E+02	1.508E+01	5.173E+00	9.949E+01	6.672E+01	1.216E+00
1.800E+04	5.673E-02	1.611E+03	1.153E+02	1.612E+01	5.561E+00	9.903E+01	7.252E+01	1.222E+00
1.900E+04	5.005E-02	1.861E+03	1.207E+02	1.733E+01	5.971E+00	1.018E+02	7.359E+01	1.231E+00
2.000E+04	4.457E-02	2.107E+03	1.258E+02	1.826E+01	6.369E+00	9.723E+01	6.973E+01	1.245E+00
2.100E+04	4.020E-02	2.355E+03	1.304E+02	1.946E+01	6.729E+00	8.711E+01	6.221E+01	1.264E+00
2.200E+04	3.675E-02	2.595E+03	1.341E+02	2.037E+01	7.022E+00	7.661E+01	5.306E+01	1.288E+00
2.300E+04	3.432E-02	2.704E+03	1.372E+02	2.161E+01	7.256E+00	6.253E+01	4.619E+01	1.316E+00
2.400E+04	3.183E-02	2.845E+03	1.398E+02	2.260E+01	7.435E+00	5.249E+01	3.676E+01	1.346E+00
2.500E+04	2.933E-02	2.984E+03	1.416E+02	2.335E+01	7.569E+00	4.499E+01	3.117E+01	1.376E+00
2.600E+04	2.687E-02	3.069E+03	1.433E+02	2.476E+01	7.671E+00	4.000E+01	2.746E+01	1.400E+00
2.700E+04	2.471E-02	3.164E+03	1.447E+02	2.506E+01	7.751E+00	3.726E+01	2.554E+01	1.411E+00
2.800E+04	2.284E-02	3.254E+03	1.460E+02	2.560E+01	7.817E+00	3.653E+01	2.570E+01	1.409E+00
2.900E+04	2.148E-02	3.349E+03	1.473E+02	2.601E+01	7.877E+00	3.763E+01	2.631E+01	1.493E+00
3.000E+04	2.009E-02	3.441E+03	1.487E+02	2.633E+01	7.935E+00	4.032E+01	2.967E+01	1.370E+00
3.100E+04	1.890E-02	3.549E+03	1.500E+02	2.664E+01	7.990E+00	4.423E+01	3.190E+01	1.347E+00
3.200E+04	1.785E-02	3.660E+03	1.515E+02	2.698E+01	8.067E+00	4.880E+01	3.574E+01	1.327E+00
3.300E+04	1.693E-02	3.784E+03	1.531E+02	2.739E+01	8.145E+00	5.327E+01	3.937E+01	1.313E+00
3.400E+04	1.612E-02	3.922E+03	1.547E+02	2.786E+01	8.229E+00	5.682E+01	4.210E+01	1.304E+00
3.500E+04	1.540E-02	4.068E+03	1.564E+02	2.840E+01	8.318E+00	5.883E+01	4.359E+01	1.303E+00
3.600E+04	1.476E-02	4.217E+03	1.581E+02	2.900E+01	8.407E+00	5.906E+01	4.364E+01	1.307E+00
3.700E+04	1.420E-02	4.354E+03	1.597E+02	2.963E+01	8.493E+00	5.763E+01	4.234E+01	1.314E+00
3.800E+04	1.371E-02	4.494E+03	1.612E+02	3.030E+01	8.573E+00	5.505E+01	4.027E+01	1.326E+00
3.900E+04	1.328E-02	4.625E+03	1.628E+02	3.098E+01	8.645E+00	5.186E+01	3.761E+01	1.359E+00
4.000E+04	1.291E-02	4.749E+03	1.643E+02	3.166E+01	8.707E+00	4.861E+01	3.457E+01	1.354E+00
4.100E+04	1.259E-02	4.865E+03	1.658E+02	3.232E+01	8.762E+00	4.573E+01	3.265E+01	1.368E+00
4.200E+04	1.232E-02	4.955E+03	1.661E+02	3.293E+01	8.809E+00	4.269E+01	3.080E+01	1.379E+00
4.300E+04	1.209E-02	5.011E+03	1.671E+02	3.346E+01	8.850E+00	4.208E+01	2.979E+01	1.386E+00
4.400E+04	1.191E-02	5.041E+03	1.680E+02	3.395E+01	8.888E+00	4.156E+01	2.944E+01	1.387E+00
4.500E+04	1.177E-02	5.064E+03	1.690E+02	3.443E+01	8.923E+00	4.196E+01	2.986E+01	1.382E+00
4.600E+04	1.167E-02	5.081E+03	1.699E+02	3.488E+01	8.957E+00	4.226E+01	3.036E+01	1.372E+00
4.700E+04	1.160E-02	5.090E+03	1.709E+02	3.533E+01	8.993E+00	4.259E+01	3.087E+01	1.365E+00
4.800E+04	1.155E-02	5.091E+03	1.718E+02	3.578E+01	9.030E+00	4.284E+01	3.120E+01	1.343E+00
4.900E+04	1.153E-02	5.095E+03	1.729E+02	3.624E+01	9.072E+00	4.310E+01	3.160E+01	1.339E+00
5.000E+04	1.154E-02	5.090E+03	1.740E+02	3.671E+01	9.117E+00	4.329E+01	3.113E+01	1.316E+00

P/P0 = 1.00E+01

T	RHO/RHJ-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	9.536E+00	-1.366E+00	2.773E+01	1.313E+00	1.365E+00	2.429E+01	2.210E+01	1.186E+00
6.000E+02	6.203E+00	4.263E+00	3.116E+01	1.651E+00	1.744E+00	2.531E+01	1.886E+01	1.277E+00
7.000E+02	4.819E+00	1.081E+01	3.633E+01	1.524E+00	1.923E+00	1.301E+01	9.716E+00	1.295E+00
8.000E+02	4.104E+00	1.340E+01	3.744E+01	1.227E+00	1.975E+00	8.910E+00	6.534E+00	1.347E+00
9.000E+02	3.623E+00	1.544E+01	3.824E+01	2.260E+00	1.990E+00	7.868E+00	5.735E+00	1.565E+00
1.000E+03	3.252E+00	1.734E+01	3.923E+01	2.407E+00	1.995E+00	7.617E+00	5.561E+00	1.347E+00
1.100E+03	2.955E+00	1.922E+01	3.998E+01	2.523E+00	1.997E+00	7.591E+00	5.564E+00	1.363E+00
1.200E+03	2.706E+00	2.110E+01	4.062E+01	2.630E+00	1.998E+00	7.639E+00	5.629E+00	1.357E+00
1.300E+03	2.497E+00	2.306E+01	4.124E+01	2.732E+00	1.999E+00	7.719E+00	5.707E+00	1.351E+00
1.400E+03	2.318E+00	2.491E+01	4.181E+01	2.830E+00	1.999E+00	7.800E+00	5.795E+00	1.344E+00
1.500E+03	2.163E+00	2.685E+01	4.236E+01	2.923E+00	2.000E+00	7.880E+00	5.884E+00	1.340E+00
1.600E+03	2.024E+00	2.882E+01	4.287E+01	3.013E+00	2.000E+00	7.976E+00	5.976E+00	1.335E+00
1.700E+03	1.900E+00	3.080E+01	4.336E+01	3.100E+00	2.000E+00	8.067E+00	6.064E+00	1.330E+00
1.800E+03	1.791E+00	3.281E+01	4.382E+01	3.184E+00	2.000E+00	8.162E+00	6.159E+00	1.325E+00
1.900E+03	1.708E+00	3.484E+01	4.427E+01	3.265E+00	2.000E+00	8.270E+00	6.264E+00	1.320E+00
2.000E+03	1.627E+00	3.691E+01	4.470E+01	3.343E+00	2.000E+00	8.397E+00	6.387E+00	1.315E+00
2.100E+03	1.555E+00	3.901E+01	4.512E+01	3.418E+00	2.001E+00	8.558E+00	6.529E+00	1.308E+00
2.200E+03	1.474E+00	4.115E+01	4.552E+01	3.490E+00	2.001E+00	8.765E+00	6.734E+00	1.301E+00
2.300E+03	1.404E+00	4.336E+01	4.592E+01	3.557E+00	2.002E+00	9.037E+00	6.986E+00	1.293E+00
2.400E+03	1.350E+00	4.564E+01	4.632E+01	3.622E+00	2.003E+00	9.394E+00	7.312E+00	1.283E+00
2.500E+03	1.298E+00	4.803E+01	4.671E+01	3.683E+00	2.003E+00	9.859E+00	7.731E+00	1.273E+00
2.600E+03	1.251E+00	5.055E+01	4.711E+01	3.742E+00	2.000E+00	1.044E+01	8.267E+00	1.262E+00
2.700E+03	1.196E+00	5.323E+01	4.752E+01	3.799E+00	2.012E+00	1.118E+01	8.921E+00	1.250E+00
2.800E+03	1.149E+00	5.611E+01	4.795E+01	3.856E+00	2.010E+00	1.210E+01	9.775E+00	1.238E+00
2.900E+03	1.105E+00	5.924E+01	4.839E+01	3.914E+00	2.023E+00	1.320E+01	1.064E+01	1.227E+00
3.000E+03	1.063E+00	6.267E+01	4.887E+01	3.973E+00	2.034E+00	1.451E+01	1.183E+01	1.217E+00
3.100E+03	1.023E+00	6.646E+01	4.937E+01	4.035E+00	2.046E+00	1.605E+01	1.314E+01	1.208E+00
3.200E+03	9.842E-01	7.065E+01	4.991E+01	4.101E+00	2.060E+00	1.782E+01	1.464E+01	1.200E+00
3.300E+03	9.481E-01	7.531E+01	5.049E+01	4.171E+00	2.078E+00	1.984E+01	1.632E+01	1.194E+00

TABLE I. - Continued

T	KMU/R40-U	H/RTO	S/F	A/AJ	Z	CP/R	CV/R	GAMMA
3.400E+J3	9.084E-01	8.049E+01	5.112E+01	4.247E+00	2.100E+00	2.209E+01	1.816E+01	1.109E+00
3.500E+03	8.721E-01	8.626E+01	5.180E+01	4.329E+00	2.126E+00	2.457E+01	2.015E+01	1.105E+00
3.600E+03	8.359E-01	9.267E+01	5.253E+01	4.417E+00	2.158E+00	2.726E+01	2.227E+01	1.102E+00
3.700E+03	8.002E-01	9.976E+01	5.322E+01	4.511E+00	2.192E+00	3.012E+01	2.447E+01	1.101E+00
3.800E+03	7.651E-01	1.076E+02	5.417E+01	4.613E+00	2.232E+00	3.311E+01	2.672E+01	1.100E+00
3.900E+03	7.305E-01	1.161E+02	5.507E+01	4.721E+00	2.278E+00	3.615E+01	2.944E+01	1.101E+00
4.000E+03	6.967E-01	1.254E+02	5.603E+01	4.837E+00	2.329E+00	3.916E+01	3.109E+01	1.102E+00
4.100E+03	6.637E-01	1.354E+02	5.703E+01	4.959E+00	2.385E+00	4.204E+01	3.308E+01	1.103E+00
4.200E+03	6.318E-01	1.461E+02	5.808E+01	5.088E+00	2.445E+00	4.466E+01	3.487E+01	1.104E+00
4.300E+03	6.011E-01	1.574E+02	5.918E+01	5.223E+00	2.510E+00	4.692E+01	3.627E+01	1.109E+00
4.400E+03	5.719E-01	1.692E+02	6.024E+01	5.363E+00	2.579E+00	4.867E+01	3.733E+01	1.102E+00
4.500E+03	5.442E-01	1.814E+02	6.136E+01	5.507E+00	2.649E+00	4.982E+01	3.744E+01	1.106E+00
4.600E+03	5.183E-01	1.937E+02	6.247E+01	5.653E+00	2.721E+00	5.030E+01	3.808E+01	1.201E+00
4.700E+03	4.943E-01	2.061E+02	6.353E+01	5.801E+00	2.793E+00	5.088E+01	3.774E+01	1.206E+00
4.800E+03	4.721E-01	2.184E+02	6.459E+01	5.950E+00	2.864E+00	4.919E+01	3.644E+01	1.212E+00
4.900E+03	4.517E-01	2.307E+02	6.559E+01	6.097E+00	2.932E+00	4.771E+01	3.574E+01	1.218E+00
5.000E+03	4.331E-01	2.418E+02	6.654E+01	6.243E+00	2.996E+00	4.647E+01	3.504E+01	1.224E+00
5.200E+03	4.159E-01	2.522E+02	6.742E+01	6.384E+00	3.056E+00	4.527E+01	3.434E+01	1.230E+00
5.400E+03	3.994E-01	2.618E+02	6.824E+01	6.524E+00	3.113E+00	4.402E+01	3.364E+01	1.236E+00
5.600E+03	3.837E-01	2.708E+02	6.909E+01	6.663E+00	3.168E+00	4.281E+01	3.294E+01	1.242E+00
5.800E+03	3.687E-01	2.792E+02	7.002E+01	6.801E+00	3.220E+00	4.162E+01	3.224E+01	1.248E+00
6.000E+03	3.544E-01	2.870E+02	7.092E+01	6.938E+00	3.269E+00	4.044E+01	3.154E+01	1.254E+00
6.200E+03	3.407E-01	2.943E+02	7.179E+01	7.073E+00	3.315E+00	3.927E+01	3.084E+01	1.260E+00
6.400E+03	3.276E-01	3.011E+02	7.264E+01	7.207E+00	3.358E+00	3.811E+01	3.014E+01	1.266E+00
6.600E+03	3.150E-01	3.074E+02	7.347E+01	7.335E+00	3.398E+00	3.696E+01	2.944E+01	1.272E+00
6.800E+03	3.028E-01	3.132E+02	7.428E+01	7.457E+00	3.435E+00	3.581E+01	2.874E+01	1.278E+00
7.000E+03	2.910E-01	3.185E+02	7.507E+01	7.573E+00	3.469E+00	3.466E+01	2.804E+01	1.284E+00
7.200E+03	2.796E-01	3.234E+02	7.584E+01	7.684E+00	3.500E+00	3.351E+01	2.734E+01	1.290E+00
7.400E+03	2.687E-01	3.278E+02	7.659E+01	7.790E+00	3.528E+00	3.236E+01	2.664E+01	1.296E+00
7.600E+03	2.582E-01	3.318E+02	7.732E+01	7.891E+00	3.553E+00	3.121E+01	2.594E+01	1.302E+00
7.800E+03	2.481E-01	3.354E+02	7.803E+01	7.987E+00	3.576E+00	3.006E+01	2.524E+01	1.308E+00
8.000E+03	2.384E-01	3.386E+02	7.872E+01	8.078E+00	3.597E+00	2.891E+01	2.454E+01	1.314E+00
8.200E+03	2.291E-01	3.415E+02	7.939E+01	8.164E+00	3.616E+00	2.776E+01	2.384E+01	1.320E+00
8.400E+03	2.202E-01	3.441E+02	8.003E+01	8.245E+00	3.633E+00	2.661E+01	2.314E+01	1.326E+00
8.600E+03	2.117E-01	3.464E+02	8.069E+01	8.321E+00	3.648E+00	2.546E+01	2.244E+01	1.332E+00
8.800E+03	2.035E-01	3.484E+02	8.133E+01	8.392E+00	3.661E+00	2.431E+01	2.174E+01	1.338E+00
9.000E+03	1.956E-01	3.501E+02	8.195E+01	8.458E+00	3.672E+00	2.316E+01	2.104E+01	1.344E+00
9.200E+03	1.880E-01	3.515E+02	8.255E+01	8.519E+00	3.681E+00	2.201E+01	2.034E+01	1.350E+00
9.400E+03	1.807E-01	3.526E+02	8.313E+01	8.575E+00	3.688E+00	2.086E+01	1.964E+01	1.356E+00
9.600E+03	1.737E-01	3.534E+02	8.369E+01	8.626E+00	3.693E+00	1.971E+01	1.894E+01	1.362E+00
9.800E+03	1.670E-01	3.539E+02	8.423E+01	8.672E+00	3.696E+00	1.856E+01	1.824E+01	1.368E+00
1.000E+04	1.605E-01	3.541E+02	8.475E+01	8.714E+00	3.697E+00	1.741E+01	1.754E+01	1.374E+00
1.100E+04	1.543E-01	3.540E+02	8.525E+01	8.751E+00	3.696E+00	1.626E+01	1.684E+01	1.380E+00
1.200E+04	1.484E-01	3.536E+02	8.572E+01	8.784E+00	3.693E+00	1.511E+01	1.614E+01	1.386E+00
1.300E+04	1.428E-01	3.529E+02	8.616E+01	8.813E+00	3.688E+00	1.396E+01	1.544E+01	1.392E+00
1.400E+04	1.375E-01	3.519E+02	8.657E+01	8.838E+00	3.681E+00	1.281E+01	1.474E+01	1.398E+00
1.500E+04	1.324E-01	3.507E+02	8.696E+01	8.859E+00	3.672E+00	1.166E+01	1.404E+01	1.404E+00
1.600E+04	1.275E-01	3.493E+02	8.732E+01	8.876E+00	3.661E+00	1.051E+01	1.334E+01	1.410E+00
1.700E+04	1.228E-01	3.477E+02	8.766E+01	8.889E+00	3.648E+00	9.36E+00	1.264E+01	1.416E+00
1.800E+04	1.183E-01	3.460E+02	8.798E+01	8.898E+00	3.634E+00	8.21E+00	1.194E+01	1.422E+00
1.900E+04	1.140E-01	3.441E+02	8.828E+01	8.903E+00	3.619E+00	7.06E+00	1.124E+01	1.428E+00
2.000E+04	1.100E-01	3.420E+02	8.856E+01	8.905E+00	3.603E+00	5.91E+00	1.054E+01	1.434E+00
2.100E+04	1.062E-01	3.398E+02	8.882E+01	8.904E+00	3.586E+00	4.76E+00	9.84E+00	1.440E+00
2.200E+04	1.026E-01	3.374E+02	8.906E+01	8.899E+00	3.568E+00	3.61E+00	8.79E+00	1.446E+00
2.300E+04	9.92E-02	3.348E+02	8.928E+01	8.890E+00	3.549E+00	2.46E+00	7.74E+00	1.452E+00
2.400E+04	9.59E-02	3.320E+02	8.948E+01	8.877E+00	3.529E+00	1.31E+00	6.69E+00	1.458E+00
2.500E+04	9.28E-02	3.290E+02	8.966E+01	8.861E+00	3.508E+00	1.16E+00	5.64E+00	1.464E+00
2.600E+04	8.98E-02	3.258E+02	8.982E+01	8.842E+00	3.486E+00	1.01E+00	4.59E+00	1.470E+00
2.700E+04	8.69E-02	3.224E+02	9.000E+01	8.820E+00	3.463E+00	8.56E+00	3.54E+00	1.476E+00
2.800E+04	8.41E-02	3.188E+02	9.016E+01	8.795E+00	3.439E+00	6.93E+00	2.49E+00	1.482E+00
2.900E+04	8.14E-02	3.150E+02	9.031E+01	8.767E+00	3.414E+00	5.30E+00	1.44E+00	1.488E+00
3.000E+04	7.88E-02	3.110E+02	9.045E+01	8.737E+00	3.388E+00	3.67E+00	9.35E+00	1.494E+00
3.100E+04	7.63E-02	3.069E+02	9.058E+01	8.704E+00	3.361E+00	2.04E+00	7.80E+00	1.500E+00
3.200E+04	7.39E-02	3.026E+02	9.070E+01	8.668E+00	3.333E+00	9.10E+00	6.25E+00	1.506E+00
3.300E+04	7.16E-02	2.981E+02	9.081E+01	8.629E+00	3.304E+00	4.50E+00	4.70E+00	1.512E+00
3.400E+04	6.94E-02	2.934E+02	9.091E+01	8.587E+00	3.274E+00	2.90E+00	3.15E+00	1.518E+00
3.500E+04	6.73E-02	2.886E+02	9.100E+01	8.542E+00	3.243E+00	1.30E+00	1.60E+00	1.524E+00
3.600E+04	6.53E-02	2.836E+02	9.108E+01	8.494E+00	3.211E+00	6.40E+00	1.05E+00	1.530E+00
3.700E+04	6.34E-02	2.784E+02	9.115E+01	8.443E+00	3.178E+00	3.80E+00	5.00E+00	1.536E+00
3.800E+04	6.16E-02	2.730E+02	9.121E+01	8.389E+00	3.144E+00	2.20E+00	3.45E+00	1.542E+00
3.900E+04	5.99E-02	2.674E+02	9.126E+01	8.332E+00	3.109E+00	1.60E+00	2.00E+00	1.548E+00
4.000E+04	5.83E-02	2.616E+02	9.130E+01	8.272E+00	3.073E+00	1.00E+00	1.50E+00	1.554E+00
4.100E+04	5.68E-02	2.557E+02	9.133E+01	8.209E+00	3.036E+00	4.00E+00	1.00E+00	1.560E+00
4.200E+04	5.54E-02	2.497E+02	9.135E+01	8.143E+00	3.000E+00	2.00E+00	5.00E+00	1.566E+00
4.300E+04	5.41E-02	2.436E+02	9.136E+01	8.074E+00	2.963E+00	1.00E+00	3.00E+00	1.572E+00
4.400E+04	5.29E-02	2.374E+02	9.136E+01	8.002E+00	2.926E+00	5.00E+00	2.00E+00	1.578E+00
4.500E+04	5.18E-02	2.311E+02	9.135E+01	7.927E+00	2.888E+00	2.00E+00	1.00E+00	1.584E+00
4.600E+04	5.08E-02	2.247E+02	9.133E+01	7.850E+00	2.850E+00	1.00E+00	5.00E+00	1.590E+00
4.700E+04	4.99E-02	2.182E+02	9.130E+01	7.771E+00	2.811E+00	5.00E+00	3.00E+00	1.596E+00
4.800E+04	4.91E-02	2.116E+02	9.126E+01	7.690E+00	2.772E+00	2.00E+00	1.50E+00	1.602E+00
4.900E+04	4.84E-02	2.049E+02	9.121E+01	7.607E+00	2.732E+00	1.00E+00	1.00E+00	1.608E+00
5.000E+04	4.78E-02	1.981E+02	9.115E+01	7.522E+00	2.692E+00	5.00E+00	5.00E+00	1.614E+00

TABLE I. - Continued

1/10 = 1.00E+01

T	RHO/RHO-0	H/ATC	S/R	A/A0	Z	CP/R	CV/R	GAMA
9.00E+02	1.00E+01	-1.341E+00	2.735E+01	1.304E+00	1.347E+00	2.829E+01	2.147E+01	1.100E+00
9.00E+02	7.057E+00	5.450E+00	3.275E+01	1.640E+00	1.724E+00	2.596E+01	1.929E+01	1.223E+00
7.00E+02	5.443E+00	1.067E+01	3.572E+01	1.916E+00	1.915E+00	1.354E+01	1.813E+01	1.209E+00
8.00E+02	4.428E+00	1.335E+01	3.710E+01	2.123E+00	1.972E+00	9.183E+00	6.823E+00	1.204E+00
9.00E+02	4.079E+00	1.542E+01	3.817E+01	2.276E+00	1.989E+00	7.934E+00	5.787E+00	1.204E+00
1.00E+03	3.660E+00	1.733E+01	3.899E+01	2.407E+00	1.995E+00	7.444E+00	5.561E+00	1.204E+00
1.10E+03	3.323E+00	1.921E+01	3.972E+01	2.522E+00	1.997E+00	7.033E+00	5.373E+00	1.204E+00
1.20E+03	3.044E+00	2.110E+01	4.034E+01	2.630E+00	1.998E+00	7.444E+00	5.630E+00	1.204E+00
1.30E+03	2.808E+00	2.299E+01	4.100E+01	2.732E+00	1.999E+00	7.718E+00	5.799E+00	1.204E+00
1.40E+03	2.608E+00	2.491E+01	4.159E+01	2.829E+00	1.999E+00	7.802E+00	5.796E+00	1.204E+00
1.50E+03	2.434E+00	2.685E+01	4.212E+01	2.923E+00	1.999E+00	7.889E+00	5.805E+00	1.204E+00
1.60E+03	2.282E+00	2.882E+01	4.263E+01	3.013E+00	2.000E+00	7.977E+00	5.974E+00	1.204E+00
1.70E+03	2.147E+00	3.080E+01	4.312E+01	3.100E+00	2.000E+00	8.064E+00	6.044E+00	1.204E+00
1.80E+03	2.028E+00	3.281E+01	4.359E+01	3.184E+00	2.000E+00	8.161E+00	6.137E+00	1.204E+00
1.90E+03	1.921E+00	3.484E+01	4.403E+01	3.266E+00	2.000E+00	8.266E+00	6.260E+00	1.204E+00
2.00E+03	1.825E+00	3.691E+01	4.444E+01	3.346E+00	2.000E+00	8.390E+00	6.380E+00	1.204E+00
2.10E+03	1.738E+00	3.900E+01	4.482E+01	3.419E+00	2.000E+00	8.535E+00	6.527E+00	1.204E+00
2.20E+03	1.658E+00	4.112E+01	4.520E+01	3.490E+00	2.001E+00	8.744E+00	6.714E+00	1.204E+00
2.30E+03	1.584E+00	4.326E+01	4.560E+01	3.559E+00	2.002E+00	9.003E+00	6.955E+00	1.204E+00
2.40E+03	1.514E+00	4.542E+01	4.607E+01	3.623E+00	2.003E+00	9.342E+00	7.265E+00	1.204E+00
2.50E+03	1.448E+00	4.777E+01	4.661E+01	3.685E+00	2.005E+00	9.700E+00	7.663E+00	1.204E+00
2.60E+03	1.386E+00	5.040E+01	4.684E+01	3.744E+00	2.008E+00	1.034E+01	8.166E+00	1.204E+00
2.70E+03	1.324E+00	5.313E+01	4.727E+01	3.802E+00	2.011E+00	1.104E+01	8.790E+00	1.204E+00
2.80E+03	1.293E+00	5.597E+01	4.769E+01	3.859E+00	2.017E+00	1.190E+01	9.551E+00	1.204E+00
2.90E+03	1.244E+00	5.995E+01	4.813E+01	3.916E+00	2.023E+00	1.294E+01	1.044E+01	1.204E+00
3.00E+03	1.197E+00	6.241E+01	4.859E+01	3.975E+00	2.032E+00	1.418E+01	1.154E+01	1.204E+00
3.10E+03	1.153E+00	6.610E+01	4.908E+01	4.037E+00	2.043E+00	1.564E+01	1.278E+01	1.204E+00
3.20E+03	1.109E+00	7.014E+01	4.961E+01	4.102E+00	2.057E+00	1.731E+01	1.420E+01	1.204E+00
3.30E+03	1.074E+00	7.470E+01	5.017E+01	4.171E+00	2.074E+00	1.922E+01	1.579E+01	1.204E+00
3.40E+03	1.025E+00	7.972E+01	5.078E+01	4.245E+00	2.094E+00	2.135E+01	1.754E+01	1.204E+00
3.50E+03	9.844E-01	8.529E+01	5.144E+01	4.325E+00	2.119E+00	2.371E+01	1.944E+01	1.204E+00
3.60E+03	9.442E-01	9.147E+01	5.215E+01	4.411E+00	2.147E+00	2.626E+01	2.146E+01	1.204E+00
3.70E+03	9.047E-01	9.829E+01	5.290E+01	4.503E+00	2.181E+00	2.899E+01	2.357E+01	1.204E+00
3.80E+03	8.657E-01	1.058E+02	5.372E+01	4.602E+00	2.219E+00	3.184E+01	2.573E+01	1.204E+00
3.90E+03	8.273E-01	1.140E+02	5.459E+01	4.708E+00	2.262E+00	3.477E+01	2.788E+01	1.204E+00
4.00E+03	7.897E-01	1.230E+02	5.551E+01	4.820E+00	2.311E+00	3.770E+01	2.998E+01	1.204E+00
4.10E+03	7.531E-01	1.326E+02	5.647E+01	4.900E+00	2.364E+00	4.053E+01	3.196E+01	1.204E+00
4.20E+03	7.175E-01	1.433E+02	5.748E+01	5.005E+00	2.422E+00	4.316E+01	3.373E+01	1.204E+00
4.30E+03	6.832E-01	1.549E+02	5.853E+01	5.197E+00	2.485E+00	4.548E+01	3.523E+01	1.204E+00
4.40E+03	6.504E-01	1.684E+02	5.960E+01	5.334E+00	2.551E+00	4.737E+01	3.639E+01	1.204E+00
4.50E+03	6.193E-01	1.772E+02	6.068E+01	5.475E+00	2.619E+00	4.872E+01	3.716E+01	1.204E+00
4.60E+03	5.900E-01	1.853E+02	6.176E+01	5.619E+00	2.690E+00	4.964E+01	3.768E+01	1.204E+00
4.70E+03	5.627E-01	2.015E+02	6.283E+01	5.766E+00	2.768E+00	4.955E+01	3.755E+01	1.204E+00
4.80E+03	5.373E-01	2.137E+02	6.386E+01	5.913E+00	2.870E+00	4.899E+01	3.676E+01	1.204E+00
4.90E+03	5.140E-01	2.256E+02	6.486E+01	6.060E+00	2.988E+00	4.783E+01	3.581E+01	1.204E+00
5.00E+03	4.924E-01	2.372E+02	6.581E+01	6.205E+00	3.064E+00	4.617E+01	3.456E+01	1.204E+00
5.10E+03	4.724E-01	2.489E+02	6.674E+01	6.407E+00	3.082E+00	4.384E+01	3.124E+01	1.204E+00
5.20E+03	4.547E-01	2.603E+02	6.763E+01	6.574E+00	3.103E+00	4.110E+01	2.755E+01	1.204E+00
5.30E+03	4.391E-01	2.736E+02	6.849E+01	6.799E+00	3.266E+00	3.764E+01	2.464E+01	1.204E+00
5.40E+03	4.276E-01	2.884E+02	6.932E+01	6.999E+00	3.333E+00	3.427E+01	2.234E+01	1.204E+00
5.50E+03	4.191E-01	3.049E+02	7.012E+01	7.220E+00	3.388E+00	3.123E+01	2.015E+01	1.204E+00
5.60E+03	4.134E-01	3.230E+02	7.089E+01	7.416E+00	3.435E+00	2.773E+01	1.801E+01	1.204E+00
5.70E+03	4.098E-01	3.426E+02	7.163E+01	7.587E+00	3.435E+00	2.676E+01	1.694E+01	1.204E+00
5.80E+03	4.081E-01	3.635E+02	7.234E+01	7.736E+00	3.476E+00	2.675E+01	1.694E+01	1.204E+00
5.90E+03	4.080E-01	3.856E+02	7.299E+01	7.870E+00	3.514E+00	2.742E+01	1.710E+01	1.204E+00
6.00E+03	4.092E-01	4.090E+02	7.357E+01	8.016E+00	3.552E+00	2.857E+01	1.745E+01	1.204E+00
6.10E+03	4.116E-01	4.338E+02	7.408E+01	8.152E+00	3.589E+00	2.955E+01	1.795E+01	1.204E+00
6.20E+03	4.151E-01	4.601E+02	7.452E+01	8.279E+00	3.627E+00	3.032E+01	1.845E+01	1.204E+00
6.30E+03	4.197E-01	4.880E+02	7.489E+01	8.398E+00	3.664E+00	3.095E+01	1.894E+01	1.204E+00
6.40E+03	4.254E-01	5.184E+02	7.520E+01	8.511E+00	3.704E+00	3.140E+01	1.940E+01	1.204E+00
6.50E+03	4.322E-01	5.514E+02	7.545E+01	8.610E+00	3.745E+00	3.168E+01	1.982E+01	1.204E+00
6.60E+03	4.400E-01	5.870E+02	7.565E+01	8.704E+00	3.783E+00	3.189E+01	2.020E+01	1.204E+00
6.70E+03	4.488E-01	6.254E+02	7.580E+01	8.794E+00	3.819E+00	3.212E+01	2.054E+01	1.204E+00
6.80E+03	4.586E-01	6.666E+02	7.591E+01	8.879E+00	3.851E+00	3.228E+01	2.084E+01	1.204E+00
6.90E+03	4.694E-01	7.108E+02	7.598E+01	8.959E+00	3.881E+00	3.238E+01	2.109E+01	1.204E+00
7.00E+03	4.812E-01	7.580E+02	7.602E+01	9.034E+00	3.909E+00	3.244E+01	2.129E+01	1.204E+00
7.10E+03	4.940E-01	8.082E+02	7.604E+01	9.104E+00	3.935E+00	3.247E+01	2.144E+01	1.204E+00
7.20E+03	5.078E-01	8.614E+02	7.605E+01	9.169E+00	3.959E+00	3.248E+01	2.154E+01	1.204E+00
7.30E+03	5.226E-01	9.176E+02	7.605E+01	9.229E+00	3.980E+00	3.248E+01	2.159E+01	1.204E+00
7.40E+03	5.384E-01	9.768E+02	7.604E+01	9.284E+00	3.998E+00	3.247E+01	2.160E+01	1.204E+00
7.50E+03	5.552E-01	1.039E+03	7.602E+01	9.335E+00	4.013E+00	3.245E+01	2.159E+01	1.204E+00
7.60E+03	5.730E-01	1.102E+03	7.600E+01	9.381E+00	4.026E+00	3.243E+01	2.157E+01	1.204E+00
7.70E+03	5.918E-01	1.167E+03	7.597E+01	9.424E+00	4.037E+00	3.241E+01	2.154E+01	1.204E+00
7.80E+03	6.116E-01	1.234E+03	7.594E+01	9.463E+00	4.046E+00	3.239E+01	2.150E+01	1.204E+00
7.90E+03	6.324E-01	1.303E+03	7.590E+01	9.498E+00	4.053E+00	3.237E+01	2.145E+01	1.204E+00
8.00E+03	6.542E-01	1.374E+03	7.586E+01	9.529E+00	4.059E+00	3.235E+01	2.140E+01	1.204E+00
8.10E+03	6.770E-01	1.447E+03	7.581E+01	9.556E+00	4.064E+00	3.233E+01	2.135E+01	1.204E+00
8.20E+03	7.008E-01	1.522E+03	7.576E+01	9.579E+00	4.068E+00	3.231E+01	2.130E+01	1.204E+00
8.30E+03	7.256E-01	1.600E+03	7.570E+01	9.600E+00	4.071E+00	3.229E+01	2.125E+01	1.204E+00
8.40E+03	7.514E-01	1.680E+03	7.564E+01	9.618E+00	4.073E+00	3.227E+01	2.120E+01	1.204E+00
8.50E+03	7.782E-01	1.762E+03	7.558E+01	9.632E+00	4.074E+00	3.225E+01	2.115E+01	1.204E+00
8.60E+03	8.060E-01	1.846E+03	7.551E+01	9.643E+00	4.074E+00	3.223E+01	2.110E+01	1.204E+00
8.70E+03	8.348E-01	1.932E+03	7.544E+01	9.651E+00	4.073E+00	3.221E+01	2.105E+01	1.204E+00
8.80E+03	8.646E-01	2.020E+03	7.537E+01	9.656E+00	4.072E+00	3.219E+01	2.100E+01	1.204E+00
8.90E+03	8.954E-01	2.110E+03	7.530E+01	9.659E+00	4.071E+00	3.217E+01	2.095E+01	1.204E+00
9.00E+03	9.272E-01	2.202E+03	7.523E+01	9.660E+00	4.070E+00	3.215E+01	2.090E+01	1.204E+00

TABLE I. - Continued

T	RMR/R-U	M/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
2.100E+04	5.315E-02	2.244E+03	1.269E+02	1.916E+01	6.540E+00	8.970E+01	6.399E+01	1.257E+00
2.200E+04	4.841E-02	2.452E+03	1.369E+02	2.024E+01	6.834E+00	7.897E+01	5.609E+01	1.276E+00
2.300E+04	4.464E-02	2.632E+03	1.461E+02	2.129E+01	7.111E+00	6.746E+01	4.765E+01	1.304E+00
2.400E+04	4.159E-02	2.786E+03	1.540E+02	2.229E+01	7.313E+00	5.710E+01	4.002E+01	1.332E+00
2.500E+04	3.910E-02	2.916E+03	1.609E+02	2.326E+01	7.468E+00	4.882E+01	3.390E+01	1.361E+00
2.600E+04	3.700E-02	3.028E+03	1.667E+02	2.411E+01	7.587E+00	4.284E+01	2.948E+01	1.387E+00
2.700E+04	3.520E-02	3.129E+03	1.722E+02	2.488E+01	7.680E+00	3.904E+01	2.675E+01	1.408E+00
2.800E+04	3.362E-02	3.222E+03	1.766E+02	2.551E+01	7.756E+00	3.726E+01	2.534E+01	1.410E+00
2.900E+04	3.219E-02	3.311E+03	1.809E+02	2.600E+01	7.820E+00	3.727E+01	2.500E+01	1.402E+00
3.000E+04	3.088E-02	3.407E+03	1.842E+02	2.638E+01	7.861E+00	3.809E+01	2.731E+01	1.384E+00
3.100E+04	2.963E-02	3.507E+03	1.875E+02	2.676E+01	7.942E+00	4.185E+01	2.977E+01	1.362E+00
3.200E+04	2.849E-02	3.615E+03	1.909E+02	2.703E+01	8.008E+00	4.575E+01	3.313E+01	1.341E+00
3.300E+04	2.738E-02	3.733E+03	1.940E+02	2.740E+01	8.080E+00	5.000E+01	3.659E+01	1.325E+00
3.400E+04	2.631E-02	3.861E+03	1.970E+02	2.783E+01	8.159E+00	5.388E+01	3.967E+01	1.314E+00
3.500E+04	2.530E-02	3.998E+03	1.999E+02	2.833E+01	8.244E+00	5.673E+01	4.186E+01	1.306E+00
3.600E+04	2.434E-02	4.139E+03	1.992E+02	2.888E+01	8.331E+00	5.810E+01	4.283E+01	1.300E+00
3.700E+04	2.344E-02	4.293E+03	1.964E+02	2.948E+01	8.416E+00	5.787E+01	4.253E+01	1.312E+00
3.800E+04	2.260E-02	4.424E+03	1.983E+02	3.012E+01	8.500E+00	5.627E+01	4.114E+01	1.321E+00
3.900E+04	2.182E-02	4.559E+03	1.997E+02	3.078E+01	8.577E+00	5.373E+01	3.904E+01	1.332E+00
4.000E+04	2.111E-02	4.688E+03	1.910E+02	3.145E+01	8.665E+00	5.076E+01	3.662E+01	1.345E+00
4.100E+04	2.045E-02	4.810E+03	1.823E+02	3.211E+01	8.764E+00	4.742E+01	3.425E+01	1.359E+00
4.200E+04	1.984E-02	4.924E+03	1.834E+02	3.275E+01	8.875E+00	4.526E+01	3.220E+01	1.372E+00
4.300E+04	1.928E-02	5.033E+03	1.844E+02	3.334E+01	8.994E+00	4.332E+01	3.068E+01	1.381E+00
4.400E+04	1.876E-02	5.139E+03	1.854E+02	3.387E+01	9.124E+00	4.215E+01	2.980E+01	1.387E+00
4.500E+04	1.826E-02	5.242E+03	1.863E+02	3.432E+01	9.263E+00	4.101E+01	2.960E+01	1.386E+00
4.600E+04	1.779E-02	5.344E+03	1.873E+02	3.470E+01	9.410E+00	4.231E+01	3.010E+01	1.385E+00
4.700E+04	1.735E-02	5.451E+03	1.882E+02	3.502E+01	9.562E+00	4.363E+01	3.127E+01	1.381E+00
4.800E+04	1.692E-02	5.561E+03	1.891E+02	3.529E+01	9.724E+00	4.571E+01	3.365E+01	1.376E+00
4.900E+04	1.650E-02	5.677E+03	1.901E+02	3.555E+01	9.892E+00	4.842E+01	3.534E+01	1.368E+00
5.000E+04	1.610E-02	5.800E+03	1.911E+02	3.582E+01	10.069E+00	5.159E+01	3.796E+01	1.351E+00

PPD = 2.00E+01

T	RMC/RMC-U	M/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+04	1.218E+01	-1.580E+00	2.702E+01	1.297E+00	1.331E+00	2.757E+01	2.089E+01	1.188E+00
6.000E+02	7.925E+00	5.640E+00	3.237E+01	1.630E+00	1.706E+00	2.647E+01	1.963E+01	1.222E+00
7.000E+02	6.076E+00	1.054E+01	3.543E+01	1.909E+00	1.907E+00	1.400E+01	1.052E+01	1.205E+00
8.000E+02	5.150E+00	1.330E+01	3.655E+01	2.119E+00	1.969E+00	9.292E+00	6.627E+00	1.301E+00
9.000E+02	4.235E+00	1.540E+01	3.755E+01	2.270E+00	1.987E+00	8.000E+00	5.838E+00	1.363E+00
1.000E+03	3.406E+00	1.737E+01	3.876E+01	2.406E+00	1.994E+00	7.671E+00	5.601E+00	1.366E+00
1.100E+03	3.693E+00	1.921E+01	3.951E+01	2.522E+00	1.997E+00	7.616E+00	5.582E+00	1.362E+00
1.200E+03	3.383E+00	2.109E+01	4.017E+01	2.62E+00	1.994E+00	7.652E+00	5.634E+00	1.357E+00
1.300E+03	3.121E+00	2.299E+01	4.079E+01	2.732E+00	1.999E+00	7.722E+00	5.711E+00	1.351E+00
1.400E+03	2.858E+00	2.491E+01	4.137E+01	2.829E+00	1.999E+00	7.806E+00	5.797E+00	1.346E+00
1.500E+03	2.704E+00	2.685E+01	4.191E+01	2.923E+00	1.999E+00	7.890E+00	5.886E+00	1.340E+00
1.600E+03	2.553E+00	2.882E+01	4.242E+01	3.013E+00	2.000E+00	7.977E+00	5.974E+00	1.335E+00
1.700E+03	2.386E+00	3.080E+01	4.291E+01	3.100E+00	2.000E+00	8.066E+00	6.063E+00	1.330E+00
1.800E+03	2.253E+00	3.281E+01	4.338E+01	3.184E+00	2.000E+00	8.160E+00	6.154E+00	1.325E+00
1.900E+03	2.135E+00	3.484E+01	4.382E+01	3.266E+00	2.000E+00	8.263E+00	6.257E+00	1.320E+00
2.000E+03	2.028E+00	3.690E+01	4.425E+01	3.346E+00	2.000E+00	8.374E+00	6.374E+00	1.315E+00
2.100E+03	1.931E+00	3.900E+01	4.467E+01	3.424E+00	2.000E+00	8.494E+00	6.517E+00	1.310E+00
2.200E+03	1.843E+00	4.114E+01	4.507E+01	3.491E+00	2.001E+00	8.726E+00	6.697E+00	1.302E+00
2.300E+03	1.762E+00	4.333E+01	4.547E+01	3.548E+00	2.002E+00	8.975E+00	6.924E+00	1.295E+00
2.400E+03	1.687E+00	4.560E+01	4.586E+01	3.605E+00	2.003E+00	9.249E+00	7.220E+00	1.288E+00
2.500E+03	1.618E+00	4.795E+01	4.625E+01	3.667E+00	2.005E+00	9.717E+00	7.608E+00	1.278E+00
2.600E+03	1.554E+00	5.043E+01	4.664E+01	3.737E+00	2.007E+00	1.025E+01	8.085E+00	1.265E+00
2.700E+03	1.494E+00	5.305E+01	4.703E+01	3.806E+00	2.011E+00	1.091E+01	8.679E+00	1.250E+00
2.800E+03	1.437E+00	5.580E+01	4.746E+01	3.861E+00	2.016E+00	1.173E+01	9.408E+00	1.235E+00
2.900E+03	1.383E+00	5.869E+01	4.789E+01	3.919E+00	2.022E+00	1.272E+01	1.027E+01	1.222E+00
3.000E+03	1.332E+00	6.174E+01	4.835E+01	3.977E+00	2.030E+00	1.390E+01	1.130E+01	1.222E+00
3.100E+03	1.282E+00	6.500E+01	4.883E+01	4.036E+00	2.041E+00	1.529E+01	1.248E+01	1.213E+00
3.200E+03	1.234E+00	6.848E+01	4.934E+01	4.103E+00	2.054E+00	1.688E+01	1.386E+01	1.205E+00
3.300E+03	1.187E+00	7.218E+01	4.989E+01	4.171E+00	2.070E+00	1.869E+01	1.534E+01	1.198E+00
3.400E+03	1.142E+00	7.606E+01	5.048E+01	4.244E+00	2.089E+00	2.073E+01	1.701E+01	1.191E+00
3.500E+03	1.097E+00	8.047E+01	5.112E+01	4.322E+00	2.113E+00	2.297E+01	1.883E+01	1.184E+00
3.600E+03	1.053E+00	8.545E+01	5.180E+01	4.406E+00	2.146E+00	2.561E+01	2.074E+01	1.180E+00
3.700E+03	1.010E+00	9.105E+01	5.254E+01	4.497E+00	2.172E+00	2.867E+01	2.279E+01	1.180E+00
3.800E+03	9.684E-01	9.744E+01	5.333E+01	4.593E+00	2.208E+00	3.216E+01	2.507E+01	1.182E+00
3.900E+03	9.295E-01	1.047E+02	5.416E+01	4.692E+00	2.250E+00	3.604E+01	2.767E+01	1.182E+00
4.000E+03	8.932E-01	1.123E+02	5.505E+01	4.802E+00	2.307E+00	4.031E+01	3.062E+01	1.185E+00
4.100E+03	8.597E-01	1.203E+02	5.599E+01	4.923E+00	2.376E+00	4.503E+01	3.397E+01	1.185E+00
4.200E+03	8.297E-01	1.286E+02	5.697E+01	5.056E+00	2.457E+00	5.027E+01	3.775E+01	1.187E+00
4.300E+03	8.029E-01	1.372E+02	5.798E+01	5.202E+00	2.550E+00	5.604E+01	4.199E+01	1.187E+00
4.400E+03	7.794E-01	1.460E+02	5.902E+01	5.360E+00	2.657E+00	6.247E+01	4.675E+01	1.187E+00
4.500E+03	7.590E-01	1.550E+02	6.008E+01	5.530E+00	2.777E+00	6.967E+01	5.203E+01	1.187E+00
4.600E+03	7.408E-01	1.642E+02	6.108E+01	5.712E+00	2.909E+00	7.774E+01	5.793E+01	1.187E+00
4.700E+03	7.247E-01	1.738E+02	6.214E+01	5.907E+00	3.054E+00	8.677E+01	6.449E+01	1.187E+00
4.800E+03	7.106E-01	1.838E+02	6.314E+01	6.114E+00	3.214E+00	9.694E+01	7.185E+01	1.187E+00
4.900E+03	6.984E-01	1.942E+02	6.419E+01	6.332E+00	3.388E+00	1.084E+02	7.999E+01	1.187E+00
5.000E+03	6.881E-01	2.050E+02	6.522E+01	6.560E+00	3.576E+00	1.219E+02	8.899E+01	1.187E+00

TABLE I. - Continued

T	MU/AMU-0	M/RT0	S/R	A/A	Z	CP/R	CV/R	GAMMA
9.900E+03	9.771E-01	7.216E+02	8.921E+01	6.026E+00	2.868E+00	6.780E+01	3.578E+01	1.219E+00
9.800E+03	9.529E-01	7.230E+02	8.918E+01	6.171E+00	2.934E+00	6.691E+01	3.465E+01	1.221E+00
9.700E+03	9.177E-01	7.250E+02	8.891E+01	6.496E+00	3.055E+00	6.252E+01	3.189E+01	1.237E+00
9.600E+03	8.750E-01	7.270E+02	8.843E+01	6.872E+00	3.158E+00	5.802E+01	2.835E+01	1.246E+00
9.500E+03	8.249E-01	7.292E+02	8.773E+01	7.297E+00	3.245E+00	5.382E+01	2.526E+01	1.258E+00
9.400E+03	7.679E-01	7.302E+02	8.683E+01	7.797E+00	3.315E+00	5.009E+01	2.264E+01	1.268E+00
9.300E+03	7.049E-01	7.302E+02	8.573E+01	8.347E+00	3.378E+00	4.672E+01	2.042E+01	1.272E+00
9.200E+03	6.369E-01	7.292E+02	8.443E+01	8.947E+00	3.428E+00	4.372E+01	1.858E+01	1.272E+00
9.100E+03	5.639E-01	7.272E+02	8.293E+01	9.597E+00	3.468E+00	4.102E+01	1.708E+01	1.268E+00
9.000E+03	4.869E-01	7.242E+02	8.123E+01	1.029E+01	3.498E+00	3.852E+01	1.582E+01	1.258E+00
8.900E+03	4.069E-01	7.202E+02	7.933E+01	1.109E+01	3.518E+00	3.612E+01	1.478E+01	1.242E+00
8.800E+03	3.239E-01	7.152E+02	7.723E+01	1.199E+01	3.528E+00	3.382E+01	1.392E+01	1.222E+00
8.700E+03	2.389E-01	7.092E+02	7.493E+01	1.299E+01	3.528E+00	3.162E+01	1.322E+01	1.192E+00
8.600E+03	1.539E-01	7.022E+02	7.243E+01	1.409E+01	3.518E+00	2.952E+01	1.262E+01	1.152E+00
8.500E+03	0.689E-01	6.942E+02	6.973E+01	1.529E+01	3.498E+00	2.752E+01	1.212E+01	1.102E+00
8.400E+03	0.000E+00	6.852E+02	6.683E+01	1.659E+01	3.468E+00	2.562E+01	1.172E+01	1.042E+00
8.300E+03	0.000E+00	6.752E+02	6.383E+01	1.799E+01	3.428E+00	2.382E+01	1.142E+01	0.972E+00
8.200E+03	0.000E+00	6.642E+02	6.073E+01	1.949E+01	3.378E+00	2.212E+01	1.122E+01	0.892E+00
8.100E+03	0.000E+00	6.522E+02	5.753E+01	2.109E+01	3.318E+00	2.052E+01	1.112E+01	0.802E+00
8.000E+03	0.000E+00	6.392E+02	5.423E+01	2.279E+01	3.248E+00	1.902E+01	1.112E+01	0.702E+00
7.900E+03	0.000E+00	6.252E+02	5.083E+01	2.459E+01	3.168E+00	1.762E+01	1.122E+01	0.592E+00
7.800E+03	0.000E+00	6.102E+02	4.733E+01	2.649E+01	3.078E+00	1.632E+01	1.142E+01	0.472E+00
7.700E+03	0.000E+00	5.942E+02	4.373E+01	2.849E+01	2.978E+00	1.512E+01	1.172E+01	0.342E+00
7.600E+03	0.000E+00	5.772E+02	4.003E+01	3.059E+01	2.868E+00	1.402E+01	1.212E+01	0.202E+00
7.500E+03	0.000E+00	5.592E+02	3.623E+01	3.279E+01	2.748E+00	1.302E+01	1.262E+01	0.052E+00
7.400E+03	0.000E+00	5.402E+02	3.233E+01	3.509E+01	2.618E+00	1.212E+01	1.322E+01	0.000E+00
7.300E+03	0.000E+00	5.202E+02	2.833E+01	3.749E+01	2.478E+00	1.132E+01	1.392E+01	0.000E+00
7.200E+03	0.000E+00	5.002E+02	2.423E+01	3.999E+01	2.328E+00	1.062E+01	1.472E+01	0.000E+00
7.100E+03	0.000E+00	4.792E+02	2.003E+01	4.259E+01	2.168E+00	1.002E+01	1.562E+01	0.000E+00
7.000E+03	0.000E+00	4.572E+02	1.573E+01	4.529E+01	2.008E+00	9.42E+00	1.662E+01	0.000E+00
6.900E+03	0.000E+00	4.342E+02	1.143E+01	4.809E+01	1.848E+00	8.82E+00	1.772E+01	0.000E+00
6.800E+03	0.000E+00	4.102E+02	0.713E+01	5.099E+01	1.688E+00	8.22E+00	1.892E+01	0.000E+00
6.700E+03	0.000E+00	3.852E+02	0.283E+01	5.399E+01	1.528E+00	7.62E+00	2.022E+01	0.000E+00
6.600E+03	0.000E+00	3.592E+02	0.000E+00	5.709E+01	1.368E+00	7.02E+00	2.162E+01	0.000E+00
6.500E+03	0.000E+00	3.322E+02	0.000E+00	6.029E+01	1.208E+00	6.42E+00	2.312E+01	0.000E+00
6.400E+03	0.000E+00	3.042E+02	0.000E+00	6.359E+01	1.048E+00	5.82E+00	2.472E+01	0.000E+00
6.300E+03	0.000E+00	2.752E+02	0.000E+00	6.699E+01	8.88E+00	5.22E+00	2.642E+01	0.000E+00
6.200E+03	0.000E+00	2.452E+02	0.000E+00	7.049E+01	7.38E+00	4.62E+00	2.822E+01	0.000E+00
6.100E+03	0.000E+00	2.142E+02	0.000E+00	7.409E+01	5.92E+00	4.02E+00	3.012E+01	0.000E+00
6.000E+03	0.000E+00	1.822E+02	0.000E+00	7.779E+01	4.50E+00	3.42E+00	3.212E+01	0.000E+00
5.900E+03	0.000E+00	1.492E+02	0.000E+00	8.159E+01	3.12E+00	2.82E+00	3.422E+01	0.000E+00
5.800E+03	0.000E+00	1.152E+02	0.000E+00	8.549E+01	1.78E+00	2.22E+00	3.642E+01	0.000E+00
5.700E+03	0.000E+00	0.802E+02	0.000E+00	8.949E+01	0.48E+00	1.62E+00	3.872E+01	0.000E+00
5.600E+03	0.000E+00	0.442E+02	0.000E+00	9.359E+01	0.000E+00	1.02E+00	4.112E+01	0.000E+00
5.500E+03	0.000E+00	0.000E+02	0.000E+00	9.779E+01	0.000E+00	0.42E+00	4.362E+01	0.000E+00
5.400E+03	0.000E+00	0.000E+02	0.000E+00	1.020E+02	0.000E+00	0.000E+00	4.622E+01	0.000E+00
5.300E+03	0.000E+00	0.000E+02	0.000E+00	1.062E+02	0.000E+00	0.000E+00	4.892E+01	0.000E+00
5.200E+03	0.000E+00	0.000E+02	0.000E+00	1.104E+02	0.000E+00	0.000E+00	5.172E+01	0.000E+00
5.100E+03	0.000E+00	0.000E+02	0.000E+00	1.146E+02	0.000E+00	0.000E+00	5.462E+01	0.000E+00
5.000E+03	0.000E+00	0.000E+02	0.000E+00	1.188E+02	0.000E+00	0.000E+00	5.762E+01	0.000E+00
4.900E+03	0.000E+00	0.000E+02	0.000E+00	1.230E+02	0.000E+00	0.000E+00	6.072E+01	0.000E+00
4.800E+03	0.000E+00	0.000E+02	0.000E+00	1.272E+02	0.000E+00	0.000E+00	6.392E+01	0.000E+00
4.700E+03	0.000E+00	0.000E+02	0.000E+00	1.314E+02	0.000E+00	0.000E+00	6.722E+01	0.000E+00
4.600E+03	0.000E+00	0.000E+02	0.000E+00	1.356E+02	0.000E+00	0.000E+00	7.062E+01	0.000E+00
4.500E+03	0.000E+00	0.000E+02	0.000E+00	1.398E+02	0.000E+00	0.000E+00	7.412E+01	0.000E+00
4.400E+03	0.000E+00	0.000E+02	0.000E+00	1.440E+02	0.000E+00	0.000E+00	7.772E+01	0.000E+00
4.300E+03	0.000E+00	0.000E+02	0.000E+00	1.482E+02	0.000E+00	0.000E+00	8.142E+01	0.000E+00
4.200E+03	0.000E+00	0.000E+02	0.000E+00	1.524E+02	0.000E+00	0.000E+00	8.522E+01	0.000E+00
4.100E+03	0.000E+00	0.000E+02	0.000E+00	1.566E+02	0.000E+00	0.000E+00	8.912E+01	0.000E+00
4.000E+03	0.000E+00	0.000E+02	0.000E+00	1.608E+02	0.000E+00	0.000E+00	9.312E+01	0.000E+00
3.900E+03	0.000E+00	0.000E+02	0.000E+00	1.650E+02	0.000E+00	0.000E+00	9.722E+01	0.000E+00
3.800E+03	0.000E+00	0.000E+02	0.000E+00	1.692E+02	0.000E+00	0.000E+00	1.014E+02	0.000E+00
3.700E+03	0.000E+00	0.000E+02	0.000E+00	1.734E+02	0.000E+00	0.000E+00	1.056E+02	0.000E+00
3.600E+03	0.000E+00	0.000E+02	0.000E+00	1.776E+02	0.000E+00	0.000E+00	1.100E+02	0.000E+00
3.500E+03	0.000E+00	0.000E+02	0.000E+00	1.818E+02	0.000E+00	0.000E+00	1.144E+02	0.000E+00
3.400E+03	0.000E+00	0.000E+02	0.000E+00	1.860E+02	0.000E+00	0.000E+00	1.190E+02	0.000E+00
3.300E+03	0.000E+00	0.000E+02	0.000E+00	1.902E+02	0.000E+00	0.000E+00	1.236E+02	0.000E+00
3.200E+03	0.000E+00	0.000E+02	0.000E+00	1.944E+02	0.000E+00	0.000E+00	1.284E+02	0.000E+00
3.100E+03	0.000E+00	0.000E+02	0.000E+00	1.986E+02	0.000E+00	0.000E+00	1.332E+02	0.000E+00
3.000E+03	0.000E+00	0.000E+02	0.000E+00	2.028E+02	0.000E+00	0.000E+00	1.382E+02	0.000E+00
2.900E+03	0.000E+00	0.000E+02	0.000E+00	2.070E+02	0.000E+00	0.000E+00	1.432E+02	0.000E+00
2.800E+03	0.000E+00	0.000E+02	0.000E+00	2.112E+02	0.000E+00	0.000E+00	1.484E+02	0.000E+00
2.700E+03	0.000E+00	0.000E+02	0.000E+00	2.154E+02	0.000E+00	0.000E+00	1.536E+02	0.000E+00
2.600E+03	0.000E+00	0.000E+02	0.000E+00	2.196E+02	0.000E+00	0.000E+00	1.590E+02	0.000E+00
2.500E+03	0.000E+00	0.000E+02	0.000E+00	2.238E+02	0.000E+00	0.000E+00	1.644E+02	0.000E+00
2.400E+03	0.000E+00	0.000E+02	0.000E+00	2.280E+02	0.000E+00	0.000E+00	1.700E+02	0.000E+00
2.300E+03	0.000E+00	0.000E+02	0.000E+00	2.322E+02	0.000E+00	0.000E+00	1.756E+02	0.000E+00
2.200E+03	0.000E+00	0.000E+02	0.000E+00	2.364E+02	0.000E+00	0.000E+00	1.814E+02	0.000E+00
2.100E+03	0.000E+00	0.000E+02	0.000E+00	2.406E+02	0.000E+00	0.000E+00	1.872E+02	0.000E+00
2.000E+03	0.000E+00	0.000E+02	0.000E+00	2.448E+02	0.000E+00	0.000E+00	1.932E+02	0.000E+00
1.900E+03	0.000E+00	0.000E+02	0.000E+00	2.490E+02	0.000E+00	0.000E+00	2.000E+02	0.000E+00
1.800E+03	0.000E+00	0.000E+02	0.000E+00	2.532E+02	0.000E+00	0.000E+00	2.068E+02	0.000E+00
1.700E+03	0.000E+00	0.000E+02	0.000E+00	2.574E+02	0.000E+00	0.000E+00	2.138E+02	0.000E+00
1.600E+03	0.000E+00	0.000E+02	0.000E+00	2.616E+02	0.000E+00	0.000E+00	2.210E+02	0.000E+00
1.500E+03	0.000E+00	0.000E+02	0.000E+00	2.658E+02	0.000E+00	0.000E+00	2.284E+02	0.000E+00
1.400E+03	0.000E+00	0.000E+02	0.000E+00	2.700E+02	0.000E+00	0.000E+00	2.360E+02	0.000E+00
1.300E+03	0.000E+00	0.000E+02	0.000E+00	2.742E+02	0.000E+00	0.000E+00	2.438E+02	0.000E+00
1.200E+03	0.000E+00	0.000E+02	0.000E+00	2.784E+02	0.000E+00	0.000E+00	2.518E+02	0.000E+00
1.100E+03	0.000E+00	0.000E+02	0.000E+00	2.826E+02	0.000E+00	0.000E+00	2.600E+02	0.000E+00
1.000E+03	0.000E+00	0.000E+02	0.000E+00	2.868E+02	0.000E+00	0.000E+00	2.684E+02	0.000E+00
9.000E+02	1.350E+01	-1.790E+00	2.672E+01	1.290E+00	1.317E+00	2.662E+01	2.030E+01	1.180E+00
8.000E+02	6.800E+00	5.292E+00	7.203E+01	1.621E+00	1.609E+00	2.660E+01	1.990E+01	1.220E+00
7.000E+02	6.712E+00	1.361E+01	1.519E+01	1.903E+00	1.899E+00	1.450E+01	1.880E+01	1.281E+00
6.000E+02	5.697E+00	1.325E+01	3.676E+01					

TABLE I. - Continued

T	RNU/K4-J	H/KTJ	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
1.300E+03	3.434E+00	2.299E+01	4.060E+01	2.732E+00	1.999E+00	7.725E+00	5.714E+00	1.351E+00
1.400E+03	3.188E+00	2.491E+01	4.117E+01	2.829E+00	1.999E+00	7.806E+00	5.779E+00	1.346E+00
1.500E+03	2.975E+00	2.685E+01	4.172E+01	2.923E+00	1.999E+00	7.891E+00	5.886E+00	1.340E+00
1.600E+03	2.799E+00	2.881E+01	4.223E+01	3.012E+00	2.000E+00	7.978E+00	5.977E+00	1.335E+00
1.700E+03	2.625E+00	3.080E+01	4.272E+01	3.100E+00	2.000E+00	8.066E+00	6.066E+00	1.330E+00
1.800E+03	2.479E+00	3.281E+01	4.319E+01	3.184E+00	2.000E+00	8.158E+00	6.155E+00	1.325E+00
1.900E+03	2.348E+00	3.484E+01	4.363E+01	3.266E+00	2.000E+00	8.240E+00	6.255E+00	1.320E+00
2.000E+03	2.220E+00	3.690E+01	4.406E+01	3.344E+00	2.000E+00	8.329E+00	6.365E+00	1.315E+00
2.100E+03	2.124E+00	3.899E+01	4.448E+01	3.419E+00	2.000E+00	8.422E+00	6.508E+00	1.310E+00
2.200E+03	2.027E+00	4.117E+01	4.488E+01	3.492E+00	2.000E+00	8.510E+00	6.683E+00	1.305E+00
2.300E+03	1.938E+00	4.332E+01	4.526E+01	3.560E+00	2.002E+00	8.595E+00	6.906E+00	1.255E+00
2.400E+03	1.856E+00	4.558E+01	4.567E+01	3.626E+00	2.003E+00	8.676E+00	7.192E+00	1.287E+00
2.500E+03	1.780E+00	4.792E+01	4.605E+01	3.689E+00	2.005E+00	8.752E+00	7.556E+00	1.277E+00
2.600E+03	1.710E+00	5.036E+01	4.645E+01	3.748E+00	2.007E+00	8.824E+00	8.015E+00	1.267E+00
2.700E+03	1.644E+00	5.298E+01	4.684E+01	3.806E+00	2.010E+00	8.891E+00	8.564E+00	1.256E+00
2.800E+03	1.581E+00	5.576E+01	4.726E+01	3.864E+00	2.015E+00	8.950E+00	9.277E+00	1.245E+00
2.900E+03	1.522E+00	5.875E+01	4.763E+01	3.921E+00	2.021E+00	9.006E+00	1.011E+01	1.234E+00
3.000E+03	1.466E+00	6.199E+01	4.813E+01	3.979E+00	2.029E+00	9.059E+00	1.109E+01	1.224E+00
3.100E+03	1.412E+00	6.554E+01	4.860E+01	4.040E+00	2.039E+00	9.109E+00	1.222E+01	1.214E+00
3.200E+03	1.359E+00	6.946E+01	4.910E+01	4.104E+00	2.051E+00	9.155E+00	1.351E+01	1.207E+00
3.300E+03	1.308E+00	7.374E+01	4.964E+01	4.171E+00	2.067E+00	9.197E+00	1.494E+01	1.200E+00
3.400E+03	1.258E+00	7.850E+01	5.022E+01	4.243E+00	2.085E+00	9.236E+00	1.656E+01	1.195E+00
3.500E+03	1.210E+00	8.375E+01	5.086E+01	4.320E+00	2.104E+00	9.272E+00	1.830E+01	1.190E+00
3.600E+03	1.162E+00	8.957E+01	5.150E+01	4.403E+00	2.134E+00	9.305E+00	2.016E+01	1.187E+00
3.700E+03	1.114E+00	9.594E+01	5.221E+01	4.491E+00	2.166E+00	9.335E+00	2.218E+01	1.185E+00
3.800E+03	1.068E+00	1.030E+02	5.293E+01	4.586E+00	2.199E+00	9.362E+00	2.433E+01	1.184E+00
3.900E+03	1.022E+00	1.107E+02	5.374E+01	4.687E+00	2.238E+00	9.386E+00	2.667E+01	1.184E+00
4.000E+03	9.771E-01	1.191E+02	5.465E+01	4.794E+00	2.283E+00	9.407E+00	2.921E+01	1.184E+00
4.100E+03	9.332E-01	1.282E+02	5.566E+01	4.908E+00	2.332E+00	9.425E+00	3.191E+01	1.185E+00
4.200E+03	8.905E-01	1.379E+02	5.681E+01	5.029E+00	2.386E+00	9.439E+00	3.487E+01	1.187E+00
4.300E+03	8.491E-01	1.482E+02	5.805E+01	5.155E+00	2.444E+00	9.449E+00	3.802E+01	1.190E+00
4.400E+03	8.094E-01	1.591E+02	5.939E+01	5.287E+00	2.505E+00	9.455E+00	4.137E+01	1.193E+00
4.500E+03	7.714E-01	1.704E+02	6.082E+01	5.424E+00	2.570E+00	9.458E+00	4.494E+01	1.196E+00
4.600E+03	7.355E-01	1.821E+02	6.235E+01	5.563E+00	2.637E+00	9.458E+00	4.874E+01	1.200E+00
4.700E+03	7.017E-01	1.939E+02	6.398E+01	5.706E+00	2.705E+00	9.454E+00	5.276E+01	1.205E+00
4.800E+03	6.701E-01	2.058E+02	6.576E+01	5.851E+00	2.774E+00	9.447E+00	5.698E+01	1.209E+00
4.900E+03	6.403E-01	2.177E+02	6.763E+01	5.996E+00	2.841E+00	9.436E+00	6.142E+01	1.215E+00
5.000E+03	6.119E-01	2.294E+02	6.958E+01	6.140E+00	2.907E+00	9.421E+00	6.605E+01	1.220E+00
5.100E+03	5.849E-01	2.413E+02	7.163E+01	6.293E+00	2.972E+00	9.402E+00	7.085E+01	1.226E+00
5.200E+03	5.592E-01	2.531E+02	7.375E+01	6.454E+00	3.035E+00	9.379E+00	7.585E+01	1.232E+00
5.300E+03	5.348E-01	2.649E+02	7.594E+01	6.624E+00	3.095E+00	9.352E+00	8.102E+01	1.238E+00
5.400E+03	5.114E-01	2.767E+02	7.828E+01	6.801E+00	3.152E+00	9.321E+00	8.634E+01	1.245E+00
5.500E+03	4.891E-01	2.885E+02	8.070E+01	6.984E+00	3.208E+00	9.286E+00	9.180E+01	1.252E+00
5.600E+03	4.678E-01	3.003E+02	8.320E+01	7.174E+00	3.262E+00	9.247E+00	9.740E+01	1.260E+00
5.700E+03	4.475E-01	3.121E+02	8.576E+01	7.370E+00	3.314E+00	9.204E+00	1.031E+01	1.268E+00
5.800E+03	4.282E-01	3.239E+02	8.838E+01	7.571E+00	3.364E+00	9.157E+00	1.094E+01	1.277E+00
5.900E+03	4.099E-01	3.357E+02	9.106E+01	7.777E+00	3.412E+00	9.107E+00	1.160E+01	1.286E+00
6.000E+03	3.926E-01	3.475E+02	9.380E+01	7.988E+00	3.458E+00	9.054E+00	1.228E+01	1.295E+00
6.100E+03	3.763E-01	3.593E+02	9.659E+01	8.204E+00	3.502E+00	9.000E+00	1.297E+01	1.304E+00
6.200E+03	3.609E-01	3.711E+02	9.943E+01	8.425E+00	3.544E+00	8.944E+00	1.368E+01	1.313E+00
6.300E+03	3.464E-01	3.829E+02	1.023E+02	8.651E+00	3.584E+00	8.887E+00	1.441E+01	1.322E+00
6.400E+03	3.328E-01	3.947E+02	1.052E+02	8.884E+00	3.622E+00	8.829E+00	1.516E+01	1.331E+00
6.500E+03	3.199E-01	4.065E+02	1.081E+02	9.122E+00	3.658E+00	8.770E+00	1.592E+01	1.340E+00
6.600E+03	3.077E-01	4.183E+02	1.110E+02	9.365E+00	3.692E+00	8.709E+00	1.669E+01	1.349E+00
6.700E+03	2.961E-01	4.301E+02	1.139E+02	9.612E+00	3.723E+00	8.647E+00	1.748E+01	1.358E+00
6.800E+03	2.851E-01	4.419E+02	1.168E+02	9.862E+00	3.752E+00	8.584E+00	1.828E+01	1.367E+00
6.900E+03	2.746E-01	4.537E+02	1.197E+02	1.011E+01	3.779E+00	8.520E+00	1.908E+01	1.376E+00
7.000E+03	2.646E-01	4.655E+02	1.226E+02	1.036E+01	3.804E+00	8.455E+00	1.988E+01	1.385E+00
7.100E+03	2.550E-01	4.773E+02	1.255E+02	1.061E+01	3.827E+00	8.390E+00	2.068E+01	1.394E+00
7.200E+03	2.458E-01	4.891E+02	1.284E+02	1.086E+01	3.848E+00	8.325E+00	2.148E+01	1.403E+00
7.300E+03	2.370E-01	5.009E+02	1.313E+02	1.111E+01	3.867E+00	8.260E+00	2.228E+01	1.412E+00
7.400E+03	2.286E-01	5.127E+02	1.342E+02	1.136E+01	3.884E+00	8.195E+00	2.308E+01	1.421E+00
7.500E+03	2.206E-01	5.245E+02	1.371E+02	1.161E+01	3.900E+00	8.130E+00	2.388E+01	1.430E+00
7.600E+03	2.129E-01	5.363E+02	1.400E+02	1.186E+01	3.914E+00	8.065E+00	2.468E+01	1.439E+00
7.700E+03	2.055E-01	5.481E+02	1.429E+02	1.211E+01	3.927E+00	8.000E+00	2.548E+01	1.448E+00
7.800E+03	1.984E-01	5.600E+02	1.458E+02	1.236E+01	3.938E+00	7.935E+00	2.628E+01	1.457E+00
7.900E+03	1.916E-01	5.719E+02	1.487E+02	1.261E+01	3.948E+00	7.870E+00	2.708E+01	1.466E+00
8.000E+03	1.851E-01	5.838E+02	1.516E+02	1.286E+01	3.957E+00	7.805E+00	2.788E+01	1.475E+00
8.100E+03	1.788E-01	5.957E+02	1.545E+02	1.311E+01	3.965E+00	7.740E+00	2.868E+01	1.484E+00
8.200E+03	1.728E-01	6.076E+02	1.574E+02	1.336E+01	3.972E+00	7.675E+00	2.948E+01	1.493E+00
8.300E+03	1.670E-01	6.195E+02	1.603E+02	1.361E+01	3.978E+00	7.610E+00	3.028E+01	1.502E+00
8.400E+03	1.614E-01	6.314E+02	1.632E+02	1.386E+01	3.983E+00	7.545E+00	3.108E+01	1.511E+00
8.500E+03	1.560E-01	6.433E+02	1.661E+02	1.411E+01	3.987E+00	7.480E+00	3.188E+01	1.520E+00
8.600E+03	1.508E-01	6.552E+02	1.690E+02	1.436E+01	3.990E+00	7.415E+00	3.268E+01	1.529E+00
8.700E+03	1.458E-01	6.671E+02	1.719E+02	1.461E+01	3.992E+00	7.350E+00	3.348E+01	1.538E+00
8.800E+03	1.410E-01	6.790E+02	1.748E+02	1.486E+01	3.993E+00	7.285E+00	3.428E+01	1.547E+00
8.900E+03	1.364E-01	6.909E+02	1.777E+02	1.511E+01	3.993E+00	7.220E+00	3.508E+01	1.556E+00
9.000E+03	1.320E-01	7.028E+02	1.806E+02	1.536E+01	3.992E+00	7.155E+00	3.588E+01	1.565E+00
9.100E+03	1.278E-01	7.147E+02	1.835E+02	1.561E+01	3.990E+00	7.090E+00	3.668E+01	1.574E+00
9.200E+03	1.238E-01	7.266E+02	1.864E+02	1.586E+01	3.987E+00	7.025E+00	3.748E+01	1.583E+00
9.300E+03	1.199E-01	7.385E+02	1.893E+02	1.611E+01	3.983E+00	6.960E+00	3.828E+01	1.592E+00
9.400E+03	1.162E-01	7.504E+02	1.922E+02	1.636E+01	3.978E+00	6.895E+00	3.908E+01	1.601E+00
9.500E+03	1.127E-01	7.623E+02	1.951E+02	1.661E+01	3.972E+00	6.830E+00	3.988E+01	1.610E+00
9.600E+03	1.094E-01	7.742E+02	1.980E+02	1.686E+01	3.965E+00	6.765E+00	4.068E+01	1.619E+00
9.700E+03	1.063E-01	7.861E+02	2.009E+02	1.711E+01	3.957E+00	6.700E+00	4.148E+01	1.628E+00
9.800E+03	1.034E-01	7.980E+02	2.038E+02	1.736E+01	3.948E+00	6.635E+00	4.228E+01	1.637E+00
9.900E+03	1.006E-01	8.100E+02	2.067E+02	1.761E+01	3.938E+00	6.570E+00	4.308E+01	1.646E+00
1.000E+04	9.794E-02	8.220E+02	2.096E+02	1.786E+01	3.927E+00	6.505E+00	4.388E+01	1.655E+00
1.100E+04	9.538E-02	8.340E+02	2.125E+02	1.811E+01	3.915E+00	6.440E+00	4.468E+01	1.664E+00
1.200E+04	9.292E-02	8.460E+02	2.154E+02	1.836E+01	3.902E+00	6.375E+00	4.548E+01	1.673E+00
1.300E+04	9.056E-02	8.580E+02	2.183E+02	1.861E+01	3.888E+00	6.310E+00	4.628E+01	1.682E+00
1.400E+04	8.829E-02	8.700E+02	2.212E+02	1.886E+01	3.874E+00	6.245E+00	4.708E+01	1.691E+00
1.500E+04	8.611E-02	8.820E+02	2.241E+02	1.911E+01	3.859E+00	6.180E+00	4.788E+01	1.700E+00
1.600E+04	8.402E-02	8.9						

TABLE I. - Continued

T	RHU/RHU-0	M/RTO	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
3.500E+04	3.115E-02	3.946E+03	1.513E+C2	2.028E+01	8.184E+00	5.469E+01	4.017E+01	1.314E+00
3.600E+04	2.997E-02	4.084E+03	1.529E+02	2.080E+01	8.269E+00	5.677E+01	4.173E+01	1.311E+00
3.700E+04	2.886E-02	4.225E+03	1.544E+02	2.937E+01	8.355E+00	5.742E+01	4.216E+01	1.313E+00
3.800E+04	2.782E-02	4.366E+03	1.560E+02	2.998E+01	8.439E+00	5.867E+01	4.163E+01	1.319E+00
3.900E+04	2.686E-02	4.503E+03	1.576E+02	3.062E+01	8.518E+00	5.981E+01	3.985E+01	1.328E+00
4.000E+04	2.597E-02	4.636E+03	1.588E+C2	3.128E+01	8.590E+00	6.095E+01	3.549E+01	1.352E+00
4.100E+04	2.514E-02	4.761E+03	1.600E+02	3.194E+01	8.655E+00	6.208E+01	3.337E+01	1.365E+00
4.200E+04	2.438E-02	4.880E+03	1.612E+02	3.258E+01	8.713E+00	6.320E+01	3.161E+01	1.376E+00
4.300E+04	2.368E-02	4.992E+03	1.623E+02	3.320E+01	8.763E+00	6.429E+01	3.030E+01	1.384E+00
4.400E+04	2.302E-02	5.100E+03	1.633E+02	3.376E+01	8.807E+00	6.536E+01	2.975E+01	1.387E+00
4.500E+04	2.241E-02	5.205E+03	1.642E+02	3.427E+01	8.848E+00	6.640E+01	2.907E+01	1.385E+00
4.600E+04	2.183E-02	5.308E+C3	1.652E+02	3.469E+01	8.885E+00	6.741E+01	3.044E+01	1.379E+00
4.700E+04	2.128E-02	5.413E+03	1.661E+02	3.508E+01	8.920E+00	6.838E+01	3.172E+01	1.369E+00
4.800E+04	2.075E-02	5.520E+C3	1.670E+C2	3.536E+01	8.956E+00	6.932E+01	3.354E+01	1.354E+00
4.900E+04	2.025E-02	5.631E+03	1.679E+02	3.564E+01	8.993E+00	7.023E+01	3.579E+01	1.343E+00
5.000E+04	1.976E-02	5.746E+03	1.689E+C2	3.590E+01	9.032E+00	7.109E+01		

P/PQ = 2.40E+01

T	RHU/RHU-J	M/RTO	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
5.100E+02	1.491E+C1	-1.975E+C0	2.445E+C1	1.284E+00	1.305E+00	2.613E+01	1.988E+01	1.189E+00
6.100E+02	9.658E+00	5.142E+00	3.171E+C1	1.613E+00	1.673E+00	2.719E+01	2.010E+01	1.219E+00
7.100E+02	7.352E+C0	1.028E+01	3.455E+C1	1.897E+00	1.891E+00	1.504E+01	1.122E+01	1.218E+00
8.100E+02	6.199E+00	1.320E+01	3.654E+01	2.111E+00	1.963E+00	9.681E+00	7.137E+00	1.335E+00
9.100E+02	5.448E+00	1.536E+C1	3.757E+C1	2.273E+00	1.985E+00	8.136E+00	5.940E+00	1.366E+00
1.000E+03	4.884E+00	1.730E+01	3.841E+C1	2.404E+00	1.993E+00	7.325E+00	5.642E+00	1.365E+00
1.100E+03	4.433E+00	1.920E+01	3.916E+01	2.521E+00	1.996E+00	6.640E+00	5.000E+00	1.362E+00
1.200E+03	4.060E+00	2.109E+01	3.980E+C1	2.629E+00	1.998E+00	7.884E+00	5.643E+00	1.357E+00
1.300E+03	3.766E+00	2.299E+01	4.042E+01	2.732E+00	1.999E+00	7.729E+00	5.716E+00	1.351E+00
1.400E+03	3.478E+00	2.491E+01	4.100E+C1	2.829E+00	1.999E+00	7.408E+00	5.800E+00	1.346E+00
1.500E+03	3.246E+00	2.685E+01	4.156E+01	2.923E+00	1.999E+00	7.892E+00	5.847E+00	1.340E+00
1.600E+03	3.042E+00	2.881E+C1	4.208E+C1	3.013E+00	1.999E+00	7.979E+00	5.975E+00	1.335E+00
1.700E+03	2.863E+00	3.080E+01	4.255E+01	3.100E+00	2.000E+00	8.066E+00	6.046E+00	1.330E+00
1.800E+03	2.704E+00	3.281E+01	4.301E+C1	3.184E+00	2.000E+00	8.158E+00	6.154E+00	1.325E+00
1.900E+03	2.562E+00	3.484E+01	4.346E+01	3.266E+00	2.000E+00	8.258E+00	6.252E+00	1.321E+00
2.000E+03	2.433E+00	3.690E+01	4.389E+C1	3.346E+00	2.000E+00	8.374E+00	6.345E+00	1.315E+00
2.100E+03	2.317E+00	3.899E+C1	4.430E+01	3.420E+00	2.000E+00	8.518E+00	6.501E+00	1.310E+00
2.200E+03	2.211E+00	4.112E+01	4.470E+01	3.492E+00	2.001E+00	8.696E+00	6.670E+00	1.303E+00
2.300E+03	2.114E+00	4.331E+C1	4.510E+01	3.561E+00	2.002E+00	8.928E+00	6.786E+00	1.256E+00
2.400E+03	2.025E+00	4.558E+C1	4.549E+01	3.621E+00	2.003E+00	9.229E+00	7.162E+00	1.288E+00
2.500E+03	1.942E+00	4.789E+C1	4.588E+01	3.680E+00	2.004E+00	9.614E+00	7.513E+00	1.278E+00
2.600E+03	1.866E+00	5.034E+01	4.627E+C1	3.750E+00	2.007E+00	1.010E+01	7.954E+00	1.268E+00
2.700E+03	1.794E+00	5.292E+01	4.666E+01	3.808E+00	2.010E+00	1.071E+01	8.501E+00	1.257E+00
2.800E+03	1.726E+00	5.567E+C1	4.707E+01	3.866E+00	2.014E+00	1.147E+01	9.166E+00	1.246E+00
2.900E+03	1.661E+00	5.862E+01	4.749E+01	3.923E+00	2.020E+00	1.238E+01	9.963E+00	1.238E+00
3.000E+03	1.600E+00	6.182E+C1	4.793E+01	3.981E+00	2.024E+00	1.346E+01	1.090E+01	1.228E+00
3.100E+03	1.541E+00	6.531E+C1	4.839E+01	4.042E+00	2.037E+00	1.472E+01	1.199E+01	1.217E+00
3.200E+03	1.484E+00	6.914E+C1	4.889E+01	4.105E+00	2.049E+00	1.618E+01	1.323E+01	1.209E+00
3.300E+03	1.429E+00	7.335E+01	4.941E+01	4.171E+00	2.064E+00	1.785E+01	1.462E+01	1.202E+00
3.400E+03	1.375E+00	7.800E+01	4.998E+01	4.242E+00	2.082E+00	1.971E+01	1.616E+01	1.196E+00
3.500E+03	1.322E+00	8.313E+C1	5.058E+01	4.318E+00	2.103E+00	2.177E+01	1.784E+01	1.152E+00
3.600E+03	1.271E+00	8.880E+01	5.123E+01	4.399E+00	2.128E+00	2.402E+01	1.963E+01	1.189E+00
3.700E+03	1.219E+00	9.504E+01	5.192E+01	4.486E+00	2.157E+00	2.644E+01	2.152E+01	1.186E+00
3.800E+03	1.169E+00	1.019E+02	5.267E+C1	4.579E+00	2.191E+00	2.899E+01	2.347E+01	1.183E+00
3.900E+03	1.120E+00	1.094E+C2	5.346E+01	4.678E+00	2.229E+00	3.165E+01	2.545E+01	1.185E+00
4.000E+03	1.071E+00	1.177E+02	5.429E+01	4.784E+00	2.271E+00	3.436E+01	2.742E+01	1.185E+00
4.100E+03	1.024E+00	1.263E+C2	5.518E+01	4.896E+00	2.319E+00	3.701E+01	2.931E+01	1.186E+00
4.200E+03	9.776E-01	1.358E+C2	5.610E+C1	5.016E+00	2.371E+00	3.958E+01	3.108E+01	1.188E+00
4.300E+03	9.328E-01	1.454E+C2	5.706E+01	5.138E+00	2.427E+00	4.196E+01	3.267E+01	1.190E+00
4.400E+03	8.896E-01	1.563E+02	5.805E+C1	5.267E+00	2.487E+00	4.405E+01	3.401E+01	1.193E+00
4.500E+03	8.483E-01	1.676E+C2	5.906E+01	5.402E+00	2.550E+00	4.578E+01	3.504E+01	1.156E+00
4.600E+03	8.091E-01	1.790E+02	6.009E+01	5.540E+00	2.613E+00	4.700E+01	3.574E+01	1.200E+00
4.700E+03	7.721E-01	1.917E+02	6.111E+01	5.681E+00	2.682E+00	4.771E+01	3.605E+01	1.204E+00
4.800E+03	7.375E-01	2.025E+02	6.211E+01	5.824E+00	2.750E+00	4.786E+01	3.597E+01	1.209E+00
4.900E+03	7.052E-01	2.142E+02	6.312E+01	5.968E+00	2.817E+00	4.745E+01	3.552E+01	1.214E+00
5.000E+03	6.754E-01	2.258E+02	6.404E+C1	6.112E+00	2.882E+00	4.651E+01	3.471E+01	1.219E+00
5.100E+03	6.475E-01	2.400E+C2	6.581E+01	6.394E+00	3.005E+00	4.340E+01	3.228E+01	1.231E+00
5.200E+03	6.219E-01	2.604E+02	6.737E+C1	6.665E+00	3.114E+00	3.936E+01	2.927E+01	1.243E+00
5.300E+03	5.972E-01	2.807E+02	6.873E+C1	6.919E+00	3.205E+00	3.528E+01	2.626E+01	1.255E+00
5.400E+03	5.731E-01	3.032E+02	7.050E+C1	7.152E+00	3.281E+00	3.119E+01	2.373E+01	1.265E+00
5.500E+03	5.491E-01	3.181E+C2	7.093E+01	7.362E+00	3.344E+00	2.924E+01	2.192E+01	1.271E+00
5.600E+03	5.262E-01	3.321E+02	7.186E+C1	7.548E+00	3.397E+00	2.770E+01	2.088E+01	1.273E+00
5.700E+03	5.041E-01	3.455E+02	7.272E+01	7.712E+00	3.442E+00	2.709E+01	2.056E+01	1.270E+00
5.800E+03	4.824E-01	3.589E+C2	7.356E+C1	7.862E+00	3.483E+00	2.723E+01	2.084E+01	1.268E+00
5.900E+03	4.604E-01	3.725E+02	7.438E+01	8.003E+00	3.522E+00	2.755E+01	2.135E+01	1.258E+00
6.000E+03	4.390E-01	3.845E+02	7.520E+C1	8.143E+00	3.560E+00	2.903E+01	2.252E+01	1.252E+00
6.100E+03	4.175E-01	3.958E+02	7.604E+01	8.284E+00	3.597E+00	3.026E+01	2.358E+01	1.248E+00
6.200E+03	3.961E-01	4.063E+C2	7.686E+C1	8.431E+00	3.636E+00	3.141E+01	2.454E+01	1.243E+00
6.300E+03	3.749E-01	4.163E+02	7.773E+01	8.585E+00	3.675E+00	3.227E+01	2.544E+01	1.243E+00
6.400E+03	3.540E-01	4.260E+02	7.857E+C1	8.747E+00	3.714E+00	3.268E+01	2.625E+01	1.240E+00
6.500E+03	3.334E-01	4.355E+02	7.940E+01	8.916E+00	3.752E+00	3.251E+01	2.705E+01	1.238E+00
6.600E+03	3.131E-01	4.450E+C2	8.019E+01	9.091E+00	3.789E+00	3.174E+01	2.785E+01	1.236E+00
6.700E+03	2.931E-01	4.543E+02	8.094E+01	9.274E+00	3.823E+00	3.040E+01	2.850E+01	1.230E+00
6.800E+03	2.737E-01	4.639E+02	8.164E+01	9.461E+00	3.854E+00	2.867E+01	2.902E+01	1.221E+00
6.900E+03	2.549E-01	4.735E+02	8.228E+01	9.653E+00	3.882E+00	2.673E+01	2.937E+01	1.203E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
9.000E+03	2.769E-01	5.362E+02	8.285E+01	9.847E+00	3.906E+00	2.478E+01	1.872E+01	1.298E+00
9.200E+03	2.694E-01	5.480E+02	8.338E+01	1.004E+01	3.927E+00	2.297E+01	1.720E+01	1.313E+00
9.400E+03	2.625E-01	5.589E+02	8.386E+01	1.023E+01	3.946E+00	2.142E+01	1.589E+01	1.328E+00
9.600E+03	2.561E-01	5.691E+02	8.429E+01	1.041E+01	3.959E+00	2.017E+01	1.485E+01	1.341E+00
9.800E+03	2.501E-01	5.789E+02	8.470E+01	1.057E+01	3.972E+00	1.925E+01	1.408E+01	1.351E+00
1.000E+04	2.444E-01	5.882E+02	8.508E+01	1.073E+01	3.983E+00	1.862E+01	1.356E+01	1.359E+00
1.100E+04	2.396E-01	5.935E+02	8.543E+01	1.128E+01	4.029E+00	1.896E+01	1.392E+01	1.350E+00
1.200E+04	2.356E-01	5.986E+02	8.573E+01	1.167E+01	4.081E+00	2.303E+01	1.739E+01	1.308E+00
1.300E+04	1.801E-01	6.332E+02	9.225E+01	1.208E+01	4.157E+00	2.973E+01	2.294E+01	1.271E+00
1.400E+04	1.628E-01	6.422E+02	9.299E+01	1.258E+01	4.271E+00	3.880E+01	3.019E+01	1.245E+00
1.500E+04	1.465E-01	6.495E+02	9.351E+01	1.318E+01	4.431E+00	4.997E+01	3.875E+01	1.230E+00
1.600E+04	1.310E-01	6.551E+02	9.391E+01	1.389E+01	4.644E+00	6.257E+01	4.796E+01	1.222E+00
1.700E+04	1.165E-01	6.591E+02	9.418E+01	1.471E+01	4.913E+00	7.531E+01	5.677E+01	1.219E+00
1.800E+04	1.033E-01	6.615E+02	9.435E+01	1.564E+01	5.234E+00	8.628E+01	6.388E+01	1.221E+00
1.900E+04	9.163E-02	6.633E+02	9.443E+01	1.665E+01	5.591E+00	9.334E+01	6.799E+01	1.227E+00
2.000E+04	8.163E-02	6.646E+02	9.443E+01	1.771E+01	5.982E+00	9.492E+01	6.829E+01	1.237E+00
2.100E+04	7.332E-02	6.656E+02	9.443E+01	1.879E+01	6.322E+00	9.090E+01	6.486E+01	1.251E+00
2.200E+04	6.656E-02	6.656E+02	9.443E+01	1.986E+01	6.647E+00	8.267E+01	5.866E+01	1.269E+00
2.300E+04	6.111E-02	6.656E+02	9.443E+01	2.091E+01	6.925E+00	7.247E+01	5.115E+01	1.291E+00
2.400E+04	5.671E-02	6.656E+02	9.443E+01	2.192E+01	7.152E+00	6.232E+01	4.370E+01	1.316E+00
2.500E+04	5.310E-02	6.656E+02	9.443E+01	2.288E+01	7.332E+00	5.352E+01	3.723E+01	1.344E+00
2.600E+04	5.015E-02	6.656E+02	9.443E+01	2.379E+01	7.473E+00	4.664E+01	3.216E+01	1.370E+00
2.700E+04	4.784E-02	6.656E+02	9.443E+01	2.461E+01	7.583E+00	4.179E+01	2.862E+01	1.392E+00
2.800E+04	4.613E-02	6.656E+02	9.443E+01	2.533E+01	7.672E+00	3.886E+01	2.656E+01	1.405E+00
2.900E+04	4.485E-02	6.656E+02	9.443E+01	2.591E+01	7.740E+00	3.709E+01	2.588E+01	1.406E+00
3.000E+04	4.395E-02	6.656E+02	9.443E+01	2.637E+01	7.811E+00	3.612E+01	2.643E+01	1.396E+00
3.100E+04	4.335E-02	6.656E+02	9.443E+01	2.674E+01	7.874E+00	3.595E+01	2.810E+01	1.378E+00
3.200E+04	4.298E-02	6.656E+02	9.443E+01	2.708E+01	7.938E+00	3.603E+01	3.063E+01	1.358E+00
3.300E+04	4.284E-02	6.656E+02	9.443E+01	2.743E+01	8.006E+00	3.658E+01	3.366E+01	1.340E+00
3.400E+04	4.283E-02	6.656E+02	9.443E+01	2.778E+01	8.079E+00	3.739E+01	3.675E+01	1.325E+00
3.500E+04	4.292E-02	6.656E+02	9.443E+01	2.827E+01	8.158E+00	3.874E+01	4.034E+01	1.317E+00
3.600E+04	4.311E-02	6.656E+02	9.443E+01	2.877E+01	8.242E+00	4.067E+01	4.444E+01	1.313E+00
3.700E+04	4.345E-02	6.656E+02	9.443E+01	2.933E+01	8.327E+00	4.317E+01	4.914E+01	1.310E+00
3.800E+04	4.395E-02	6.656E+02	9.443E+01	2.993E+01	8.411E+00	4.609E+01	5.442E+01	1.308E+00
3.900E+04	4.461E-02	6.656E+02	9.443E+01	3.056E+01	8.491E+00	4.951E+01	6.016E+01	1.307E+00
4.000E+04	4.541E-02	6.656E+02	9.443E+01	3.121E+01	8.565E+00	5.340E+01	6.636E+01	1.307E+00
4.100E+04	4.635E-02	6.656E+02	9.443E+01	3.186E+01	8.632E+00	5.764E+01	7.296E+01	1.307E+00
4.200E+04	4.742E-02	6.656E+02	9.443E+01	3.251E+01	8.691E+00	6.224E+01	7.996E+01	1.307E+00
4.300E+04	4.862E-02	6.656E+02	9.443E+01	3.313E+01	8.743E+00	6.718E+01	8.726E+01	1.307E+00
4.400E+04	4.995E-02	6.656E+02	9.443E+01	3.371E+01	8.790E+00	7.230E+01	9.476E+01	1.307E+00
4.500E+04	5.141E-02	6.656E+02	9.443E+01	3.423E+01	8.831E+00	7.764E+01	1.023E+02	1.307E+00
4.600E+04	5.298E-02	6.656E+02	9.443E+01	3.469E+01	8.866E+00	8.314E+01	1.094E+02	1.307E+00
4.700E+04	5.466E-02	6.656E+02	9.443E+01	3.506E+01	8.905E+00	8.874E+01	1.168E+02	1.307E+00
4.800E+04	5.645E-02	6.656E+02	9.443E+01	3.539E+01	8.941E+00	9.444E+01	1.244E+02	1.307E+00
4.900E+04	5.835E-02	6.656E+02	9.443E+01	3.567E+01	8.978E+00	1.011E+02	1.321E+02	1.307E+00
5.000E+04	6.035E-02	6.656E+02	9.443E+01	3.594E+01	9.016E+00	1.080E+02	1.399E+02	1.307E+00

P/P0 = 2.00E+01

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	1.625E+01	-2.14CE+00	2.622E+01	1.279E+00	1.294E+00	2.550E+01	1.943E+01	1.189E+00
6.000E+02	1.660E+01	-2.14CE+00	3.142E+01	1.605E+00	1.658E+00	2.744E+01	2.025E+01	1.218E+00
7.000E+02	1.796E+01	-2.14CE+01	3.473E+01	1.891E+00	1.884E+00	3.548E+01	2.525E+01	1.275E+00
8.000E+02	6.725E+00	1.315E+01	3.636E+01	2.108E+00	1.966E+00	4.840E+01	3.243E+01	1.333E+00
9.000E+02	5.960E+00	1.534E+01	3.740E+01	2.271E+00	1.944E+00	6.204E+01	3.992E+01	1.359E+00
1.000E+03	5.294E+00	1.729E+01	3.824E+01	2.403E+00	1.992E+00	7.752E+01	4.862E+01	1.364E+00
1.100E+03	4.803E+00	1.919E+01	3.898E+01	2.521E+00	1.996E+00	9.453E+01	5.804E+01	1.362E+00
1.200E+03	4.399E+00	2.108E+01	3.964E+01	2.629E+00	1.998E+00	1.137E+02	6.847E+01	1.357E+00
1.300E+03	4.055E+00	2.299E+01	4.026E+01	2.732E+00	1.998E+00	1.342E+02	7.973E+01	1.351E+00
1.400E+03	3.768E+00	2.491E+01	4.084E+01	2.829E+00	1.999E+00	1.556E+02	9.181E+01	1.345E+00
1.500E+03	3.510E+00	2.685E+01	4.138E+01	2.923E+00	1.999E+00	1.779E+02	1.044E+02	1.340E+00
1.600E+03	3.286E+00	2.881E+01	4.190E+01	3.013E+00	1.999E+00	2.010E+02	1.197E+02	1.335E+00
1.700E+03	3.102E+00	3.080E+01	4.239E+01	3.100E+00	2.000E+00	2.250E+02	1.340E+02	1.330E+00
1.800E+03	2.942E+00	3.281E+01	4.285E+01	3.185E+00	2.000E+00	2.500E+02	1.535E+02	1.325E+00
1.900E+03	2.775E+00	3.484E+01	4.330E+01	3.266E+00	2.000E+00	2.760E+02	1.780E+02	1.321E+00
2.000E+03	2.636E+00	3.690E+01	4.373E+01	3.345E+00	2.000E+00	3.030E+02	2.070E+02	1.316E+00
2.100E+03	2.510E+00	3.899E+01	4.414E+01	3.420E+00	2.000E+00	3.320E+02	2.390E+02	1.310E+00
2.200E+03	2.396E+00	4.112E+01	4.454E+01	3.493E+00	2.001E+00	3.620E+02	2.740E+02	1.304E+00
2.300E+03	2.291E+00	4.330E+01	4.494E+01	3.562E+00	2.001E+00	3.930E+02	3.110E+02	1.298E+00
2.400E+03	2.194E+00	4.554E+01	4.533E+01	3.624E+00	2.003E+00	4.250E+02	3.500E+02	1.291E+00
2.500E+03	2.105E+00	4.787E+01	4.571E+01	3.691E+00	2.004E+00	4.580E+02	3.910E+02	1.284E+00
2.600E+03	2.021E+00	5.030E+01	4.610E+01	3.751E+00	2.006E+00	4.920E+02	4.340E+02	1.278E+00
2.700E+03	1.943E+00	5.287E+01	4.649E+01	3.810E+00	2.011E+00	5.270E+02	4.790E+02	1.271E+00
2.800E+03	1.870E+00	5.554E+01	4.687E+01	3.866E+00	2.014E+00	5.630E+02	5.260E+02	1.264E+00
2.900E+03	1.801E+00	5.832E+01	4.731E+01	3.920E+00	2.017E+00	6.000E+02	5.740E+02	1.257E+00
3.000E+03	1.736E+00	6.120E+01	4.775E+01	3.983E+00	2.022E+00	6.380E+02	6.240E+02	1.250E+00
3.100E+03	1.674E+00	6.419E+01	4.822E+01	4.043E+00	2.026E+00	6.770E+02	6.760E+02	1.243E+00
3.200E+03	1.615E+00	6.729E+01	4.869E+01	4.106E+00	2.030E+00	7.170E+02	7.300E+02	1.236E+00
3.300E+03	1.559E+00	7.054E+01	4.921E+01	4.172E+00	2.034E+00	7.580E+02	7.860E+02	1.229E+00

TABLE I. - Continued

T	4/0744-0	H/K/T0	S/R	A/AD	Z	CP/R	CV/R	GAMMA
3.400E+03	1.492E+00	7.757E+01	4.576E+01	4.242E+00	2.079E+00	1.929E+01	1.501E+01	1.198E+00
3.500E+03	1.435E+00	8.259E+01	5.035E+01	4.317E+00	2.099E+00	2.128E+01	1.743E+01	1.193E+00
3.600E+03	1.380E+00	8.812E+01	5.058E+01	4.397E+00	2.123E+00	2.345E+01	1.916E+01	1.190E+00
3.700E+03	1.325E+00	9.421E+01	5.166E+01	4.482E+00	2.151E+00	2.579E+01	2.099E+01	1.188E+00
3.800E+03	1.271E+00	1.009E+02	5.238E+01	4.574E+00	2.183E+00	2.826E+01	2.289E+01	1.186E+00
3.900E+03	1.218E+00	1.082E+02	5.315E+01	4.671E+00	2.220E+00	3.083E+01	2.482E+01	1.184E+00
4.000E+03	1.166E+00	1.161E+02	5.397E+01	4.775E+00	2.261E+00	3.346E+01	2.674E+01	1.182E+00
4.100E+03	1.115E+00	1.247E+02	5.483E+01	4.885E+00	2.307E+00	3.608E+01	2.861E+01	1.180E+00
4.200E+03	1.065E+00	1.339E+02	5.573E+01	5.001E+00	2.357E+00	3.882E+01	3.036E+01	1.178E+00
4.300E+03	1.017E+00	1.438E+02	5.667E+01	5.123E+00	2.411E+00	4.099E+01	3.196E+01	1.176E+00
4.400E+03	9.703E-01	1.542E+02	5.764E+01	5.250E+00	2.470E+00	4.311E+01	3.333E+01	1.174E+00
4.500E+03	9.257E-01	1.650E+02	5.863E+01	5.382E+00	2.531E+00	4.488E+01	3.442E+01	1.172E+00
4.600E+03	8.832E-01	1.762E+02	5.963E+01	5.519E+00	2.595E+00	4.623E+01	3.519E+01	1.170E+00
4.700E+03	8.431E-01	1.878E+02	6.064E+01	5.658E+00	2.661E+00	4.709E+01	3.561E+01	1.168E+00
4.800E+03	8.053E-01	1.994E+02	6.163E+01	5.800E+00	2.728E+00	4.741E+01	3.565E+01	1.166E+00
4.900E+03	7.702E-01	2.111E+02	6.261E+01	5.943E+00	2.796E+00	4.718E+01	3.533E+01	1.164E+00
5.000E+03	7.376E-01	2.226E+02	6.356E+01	6.086E+00	2.859E+00	4.644E+01	3.465E+01	1.162E+00
5.100E+03	7.079E-01	2.345E+02	6.453E+01	6.236E+00	2.903E+00	4.509E+01	3.347E+01	1.160E+00
5.200E+03	6.814E-01	2.464E+02	6.550E+01	6.386E+00	3.093E+00	3.988E+01	2.962E+01	1.158E+00
5.300E+03	6.579E-01	2.581E+02	6.648E+01	6.539E+00	3.187E+00	3.589E+01	2.668E+01	1.156E+00
5.400E+03	6.364E-01	2.701E+02	6.747E+01	6.695E+00	3.265E+00	3.238E+01	2.413E+01	1.154E+00
5.500E+03	6.168E-01	2.821E+02	6.847E+01	6.854E+00	3.330E+00	2.971E+01	2.223E+01	1.152E+00
5.600E+03	5.990E-01	2.941E+02	6.947E+01	7.016E+00	3.385E+00	2.802E+01	2.108E+01	1.150E+00
5.700E+03	5.828E-01	3.061E+02	7.047E+01	7.181E+00	3.432E+00	2.725E+01	2.064E+01	1.148E+00
5.800E+03	5.681E-01	3.181E+02	7.147E+01	7.349E+00	3.474E+00	2.725E+01	2.080E+01	1.146E+00
5.900E+03	5.548E-01	3.301E+02	7.247E+01	7.519E+00	3.513E+00	2.784E+01	2.142E+01	1.144E+00
6.000E+03	5.429E-01	3.421E+02	7.347E+01	7.691E+00	3.551E+00	2.883E+01	2.232E+01	1.142E+00
6.100E+03	5.321E-01	3.541E+02	7.447E+01	7.864E+00	3.589E+00	2.999E+01	2.333E+01	1.140E+00
6.200E+03	5.224E-01	3.661E+02	7.547E+01	8.038E+00	3.627E+00	3.113E+01	2.429E+01	1.138E+00
6.300E+03	5.137E-01	3.781E+02	7.647E+01	8.214E+00	3.664E+00	3.203E+01	2.502E+01	1.136E+00
6.400E+03	5.060E-01	3.901E+02	7.747E+01	8.391E+00	3.705E+00	3.251E+01	2.538E+01	1.134E+00
6.500E+03	4.993E-01	4.021E+02	7.847E+01	8.569E+00	3.743E+00	3.245E+01	2.527E+01	1.132E+00
6.600E+03	4.936E-01	4.141E+02	7.947E+01	8.748E+00	3.780E+00	3.180E+01	2.470E+01	1.130E+00
6.700E+03	4.889E-01	4.261E+02	8.047E+01	8.928E+00	3.815E+00	3.061E+01	2.366E+01	1.128E+00
6.800E+03	4.851E-01	4.381E+02	8.147E+01	9.108E+00	3.846E+00	2.898E+01	2.227E+01	1.126E+00
6.900E+03	4.822E-01	4.501E+02	8.247E+01	9.289E+00	3.875E+00	2.711E+01	2.068E+01	1.124E+00
7.000E+03	4.801E-01	4.621E+02	8.347E+01	9.470E+00	3.900E+00	2.510E+01	1.905E+01	1.122E+00
7.100E+03	4.788E-01	4.741E+02	8.447E+01	9.652E+00	3.921E+00	2.336E+01	1.752E+01	1.120E+00
7.200E+03	4.783E-01	4.861E+02	8.547E+01	9.834E+00	3.939E+00	2.177E+01	1.618E+01	1.118E+00
7.300E+03	4.785E-01	4.981E+02	8.647E+01	1.012E+01	3.955E+00	2.044E+01	1.509E+01	1.116E+00
7.400E+03	4.793E-01	5.101E+02	8.747E+01	1.031E+01	3.968E+00	1.947E+01	1.426E+01	1.114E+00
7.500E+03	4.806E-01	5.221E+02	8.847E+01	1.050E+01	3.978E+00	1.878E+01	1.368E+01	1.112E+00
7.600E+03	4.824E-01	5.341E+02	8.947E+01	1.069E+01	3.985E+00	1.831E+01	1.319E+01	1.110E+00
7.700E+03	4.847E-01	5.461E+02	9.047E+01	1.088E+01	3.989E+00	1.801E+01	1.279E+01	1.108E+00
7.800E+03	4.875E-01	5.581E+02	9.147E+01	1.107E+01	3.990E+00	1.787E+01	1.248E+01	1.106E+00
7.900E+03	4.908E-01	5.701E+02	9.247E+01	1.126E+01	3.989E+00	1.787E+01	1.227E+01	1.104E+00
8.000E+03	4.946E-01	5.821E+02	9.347E+01	1.145E+01	3.986E+00	1.790E+01	1.216E+01	1.102E+00
8.100E+03	4.989E-01	5.941E+02	9.447E+01	1.164E+01	3.981E+00	1.802E+01	1.214E+01	1.100E+00
8.200E+03	5.037E-01	6.061E+02	9.547E+01	1.183E+01	3.974E+00	1.820E+01	1.221E+01	1.098E+00
8.300E+03	5.090E-01	6.181E+02	9.647E+01	1.202E+01	3.965E+00	1.843E+01	1.236E+01	1.096E+00
8.400E+03	5.148E-01	6.301E+02	9.747E+01	1.221E+01	3.954E+00	1.870E+01	1.258E+01	1.094E+00
8.500E+03	5.211E-01	6.421E+02	9.847E+01	1.240E+01	3.941E+00	1.901E+01	1.286E+01	1.092E+00
8.600E+03	5.279E-01	6.541E+02	9.947E+01	1.259E+01	3.926E+00	1.935E+01	1.319E+01	1.090E+00
8.700E+03	5.352E-01	6.661E+02	1.0047E+02	1.278E+01	3.910E+00	1.972E+01	1.356E+01	1.088E+00
8.800E+03	5.430E-01	6.781E+02	1.0147E+02	1.297E+01	3.893E+00	2.012E+01	1.396E+01	1.086E+00
8.900E+03	5.513E-01	6.901E+02	1.0247E+02	1.316E+01	3.875E+00	2.054E+01	1.438E+01	1.084E+00
9.000E+03	5.601E-01	7.021E+02	1.0347E+02	1.335E+01	3.856E+00	2.098E+01	1.482E+01	1.082E+00
9.100E+03	5.694E-01	7.141E+02	1.0447E+02	1.354E+01	3.836E+00	2.144E+01	1.528E+01	1.080E+00
9.200E+03	5.792E-01	7.261E+02	1.0547E+02	1.373E+01	3.815E+00	2.192E+01	1.576E+01	1.078E+00
9.300E+03	5.895E-01	7.381E+02	1.0647E+02	1.392E+01	3.793E+00	2.242E+01	1.626E+01	1.076E+00
9.400E+03	5.993E-01	7.501E+02	1.0747E+02	1.411E+01	3.770E+00	2.294E+01	1.678E+01	1.074E+00
9.500E+03	6.096E-01	7.621E+02	1.0847E+02	1.430E+01	3.746E+00	2.348E+01	1.732E+01	1.072E+00
9.600E+03	6.204E-01	7.741E+02	1.0947E+02	1.449E+01	3.721E+00	2.404E+01	1.788E+01	1.070E+00
9.700E+03	6.317E-01	7.861E+02	1.1047E+02	1.468E+01	3.695E+00	2.462E+01	1.846E+01	1.068E+00
9.800E+03	6.435E-01	7.981E+02	1.1147E+02	1.487E+01	3.668E+00	2.522E+01	1.906E+01	1.066E+00
9.900E+03	6.558E-01	8.101E+02	1.1247E+02	1.506E+01	3.640E+00	2.584E+01	1.968E+01	1.064E+00
1.000E+04	6.686E-01	8.221E+02	1.1347E+02	1.525E+01	3.611E+00	2.648E+01	2.032E+01	1.062E+00
1.100E+04	6.819E-01	8.341E+02	1.1447E+02	1.544E+01	3.581E+00	2.714E+01	2.098E+01	1.060E+00
1.200E+04	6.957E-01	8.461E+02	1.1547E+02	1.563E+01	3.550E+00	2.782E+01	2.166E+01	1.058E+00
1.300E+04	7.100E-01	8.581E+02	1.1647E+02	1.582E+01	3.519E+00	2.852E+01	2.236E+01	1.056E+00
1.400E+04	7.248E-01	8.701E+02	1.1747E+02	1.601E+01	3.487E+00	2.924E+01	2.308E+01	1.054E+00
1.500E+04	7.401E-01	8.821E+02	1.1847E+02	1.620E+01	3.455E+00	2.998E+01	2.382E+01	1.052E+00
1.600E+04	7.559E-01	8.941E+02	1.1947E+02	1.639E+01	3.423E+00	3.074E+01	2.458E+01	1.050E+00
1.700E+04	7.722E-01	9.061E+02	1.2047E+02	1.658E+01	3.390E+00	3.152E+01	2.536E+01	1.048E+00
1.800E+04	7.890E-01	9.181E+02	1.2147E+02	1.677E+01	3.357E+00	3.232E+01	2.616E+01	1.046E+00
1.900E+04	8.063E-01	9.301E+02	1.2247E+02	1.696E+01	3.323E+00	3.314E+01	2.698E+01	1.044E+00
2.000E+04	8.241E-01	9.421E+02	1.2347E+02	1.715E+01	3.289E+00	3.398E+01	2.782E+01	1.042E+00
2.100E+04	8.424E-01	9.541E+02	1.2447E+02	1.734E+01	3.254E+00	3.484E+01	2.868E+01	1.040E+00
2.200E+04	8.612E-01	9.661E+02	1.2547E+02	1.753E+01	3.219E+00	3.572E+01	2.956E+01	1.038E+00
2.300E+04	8.805E-01	9.781E+02	1.2647E+02	1.772E+01	3.183E+00	3.662E+01	3.046E+01	1.036E+00
2.400E+04	9.003E-01	9.901E+02	1.2747E+02	1.791E+01	3.147E+00	3.754E+01	3.138E+01	1.034E+00
2.500E+04	9.206E-01	1.0021E+03	1.2847E+02	1.810E+01	3.110E+00	3.848E+01	3.232E+01	1.032E+00
2.600E+04	9.414E-01	1.0141E+03	1.2947E+02	1.829E+01	3.073E+00	3.944E+01	3.328E+01	1.030E+00
2.700E+04	9.627E-01	1.0261E+03	1.3047E+02	1.848E+01	3.035E+00	4.042E+01	3.426E+01	1.028E+00
2.800E+04	9.845E-01	1.0381E+03	1.3147E+02	1.867E+01	3.000E+00	4.142E+01	3.526E+01	1.026E+00
2.900E+04	1.0068E-01	1.0501E+03	1.3247E+02	1.886E+01	2.963E+00	4.244E+01	3.628E+01	1.024E+00
3.000E+04	1.0296E-01	1.0621E+03	1.3347E+02	1.905E+01	2.926E+00	4.348E+01	3.732E+01	1.022E+00
3.100E+04	1.0529E-01	1.0741E+03	1.3447E+02	1.924E+01	2.889E+00	4.454E+01	3.838E+01	1.020E+00
3.200E+04	1.0767E-01	1.0861E+03	1.3547E+02	1.943E+01	2.852E+00	4.562E+01	3.946E+01	1.018E+00
3.300E+04	1.1010E-01	1.0981E+03	1.3647E+02	1.962E+01	2.815E+00	4.672E+01	4.056E+01	1.016E+00
3.400E+04	1.1258E-01	1.1101E+03	1.3747E+02	1.981E+01	2.778E+00	4.784E+01	4.168E+01	1.014E+00
3.500E+04	1.1511E-01	1.1221E+03	1.3847E+02	1.999E+01	2.741E+00	4.898E+01	4.282E+01	1.012E+00
3.600E+04	1.1769E-01	1.1341E+03	1.3947E+02	2.018E+01	2.704E+00	5.014E+01		

TABLE I. - Continued

P/PO = 2.80E+01

T	RMO/RMO-0	M/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMPA
5.000E+C2	1.768E+01	-2.289E+C0	2.600E+01	1.274E+00	1.265E+00	2.492E+01	1.902E+01	1.169E+00
6.000E+02	1.151E+01	4.690E+00	3.115E+01	1.597E+00	1.644E+00	2.742E+01	2.036E+01	1.217E+00
7.000E+02	8.547E+00	1.004E+01	3.492E+01	1.885E+00	1.874E+00	1.590E+01	1.185E+01	1.273E+00
8.000E+02	7.253E+00	1.310E+01	3.619E+01	2.104E+00	1.957E+00	1.002E+01	7.374E+00	1.330E+00
9.000E+02	6.384E+00	1.532E+01	3.725E+01	2.269E+00	1.983E+00	8.249E+00	6.036E+00	1.388E+00
1.000E+03	5.701E+00	1.728E+01	3.809E+01	2.403E+00	1.992E+00	7.779E+00	5.462E+00	1.364E+00
1.100E+03	5.173E+00	1.919E+01	3.883E+01	2.502E+00	1.994E+00	7.445E+00	5.018E+00	1.361E+00
1.200E+03	4.738E+00	2.108E+01	3.949E+01	2.629E+00	1.997E+00	7.077E+00	4.652E+00	1.357E+00
1.300E+03	4.371E+00	2.299E+01	4.011E+01	2.731E+00	1.998E+00	7.735E+00	5.721E+00	1.351E+00
1.400E+03	4.058E+00	2.491E+01	4.069E+01	2.829E+00	1.999E+00	7.812E+00	5.803E+00	1.345E+00
1.500E+03	3.787E+00	2.685E+01	4.123E+01	2.923E+00	1.999E+00	7.895E+00	5.889E+00	1.340E+00
1.600E+03	3.550E+00	2.881E+01	4.175E+01	3.013E+00	1.999E+00	7.980E+00	5.975E+00	1.335E+00
1.700E+03	3.341E+00	3.080E+01	4.224E+01	3.100E+00	2.000E+00	8.066E+00	6.063E+00	1.330E+00
1.800E+03	3.155E+00	3.280E+01	4.270E+01	3.185E+00	2.000E+00	8.154E+00	6.152E+00	1.325E+00
1.900E+03	2.989E+00	3.484E+01	4.315E+01	3.266E+00	2.000E+00	8.254E+00	6.249E+00	1.321E+00
2.000E+03	2.839E+00	3.690E+01	4.358E+01	3.345E+00	2.000E+00	8.367E+00	6.356E+00	1.316E+00
2.100E+03	2.703E+00	3.898E+01	4.399E+01	3.420E+00	2.000E+00	8.503E+00	6.480E+00	1.310E+00
2.200E+03	2.580E+00	4.111E+01	4.439E+01	3.493E+00	2.001E+00	8.674E+00	6.650E+00	1.304E+00
2.300E+03	2.467E+00	4.329E+01	4.479E+01	3.562E+00	2.001E+00	8.873E+00	6.853E+00	1.297E+00
2.400E+03	2.363E+00	4.553E+01	4.517E+01	3.629E+00	2.002E+00	9.174E+00	7.112E+00	1.290E+00
2.500E+03	2.267E+00	4.785E+01	4.556E+01	3.692E+00	2.004E+00	9.539E+00	7.441E+00	1.280E+00
2.600E+03	2.177E+00	5.027E+01	4.595E+01	3.753E+00	2.006E+00	9.991E+00	7.853E+00	1.277E+00
2.700E+03	2.093E+00	5.282E+01	4.634E+01	3.812E+00	2.009E+00	1.054E+01	8.362E+00	1.260E+00
2.800E+03	2.014E+00	5.552E+01	4.674E+01	3.869E+00	2.013E+00	1.126E+01	8.981E+00	1.249E+00
2.900E+03	1.940E+00	5.842E+01	4.712E+01	3.927E+00	2.019E+00	1.210E+01	9.723E+00	1.239E+00
3.000E+03	1.869E+00	6.154E+01	4.750E+01	3.985E+00	2.026E+00	1.311E+01	1.060E+01	1.229E+00
3.100E+03	1.800E+00	6.494E+01	4.803E+01	4.044E+00	2.035E+00	1.428E+01	1.161E+01	1.220E+00
3.200E+03	1.735E+00	6.864E+01	4.851E+01	4.107E+00	2.046E+00	1.564E+01	1.276E+01	1.212E+00
3.300E+03	1.671E+00	7.271E+01	4.902E+01	4.172E+00	2.059E+00	1.718E+01	1.404E+01	1.205E+00
3.400E+03	1.609E+00	7.710E+01	4.956E+01	4.242E+00	2.076E+00	1.892E+01	1.549E+01	1.195E+00
3.500E+03	1.548E+00	8.180E+01	5.014E+01	4.316E+00	2.092E+00	2.084E+01	1.706E+01	1.195E+00
3.600E+03	1.489E+00	8.715E+01	5.076E+01	4.394E+00	2.119E+00	2.294E+01	1.874E+01	1.191E+00
3.700E+03	1.430E+00	9.317E+01	5.142E+01	4.479E+00	2.146E+00	2.520E+01	2.052E+01	1.189E+00
3.800E+03	1.373E+00	9.999E+01	5.213E+01	4.569E+00	2.177E+00	2.760E+01	2.236E+01	1.187E+00
3.900E+03	1.316E+00	1.071E+02	5.288E+01	4.665E+00	2.212E+00	3.010E+01	2.425E+01	1.186E+00
4.000E+03	1.261E+00	1.149E+02	5.368E+01	4.767E+00	2.252E+00	3.266E+01	2.613E+01	1.187E+00
4.100E+03	1.206E+00	1.233E+02	5.452E+01	4.875E+00	2.296E+00	3.523E+01	2.797E+01	1.187E+00
4.200E+03	1.153E+00	1.323E+02	5.540E+01	4.989E+00	2.345E+00	3.774E+01	2.971E+01	1.189E+00
4.300E+03	1.101E+00	1.419E+02	5.632E+01	5.109E+00	2.398E+00	4.010E+01	3.130E+01	1.191E+00
4.400E+03	1.051E+00	1.520E+02	5.726E+01	5.244E+00	2.455E+00	4.224E+01	3.270E+01	1.193E+00
4.500E+03	1.004E+00	1.627E+02	5.824E+01	5.385E+00	2.515E+00	4.408E+01	3.383E+01	1.197E+00
4.600E+03	9.578E-01	1.737E+02	5.922E+01	5.499E+00	2.577E+00	4.550E+01	3.467E+01	1.200E+00
4.700E+03	9.145E-01	1.851E+02	6.021E+01	5.637E+00	2.642E+00	4.647E+01	3.517E+01	1.204E+00
4.800E+03	8.737E-01	1.966E+02	6.120E+01	5.778E+00	2.708E+00	4.694E+01	3.532E+01	1.208E+00
4.900E+03	8.356E-01	2.082E+02	6.216E+01	5.920E+00	2.773E+00	4.688E+01	3.511E+01	1.213E+00
5.000E+03	8.002E-01	2.197E+02	6.311E+01	6.062E+00	2.838E+00	4.632E+01	3.456E+01	1.218E+00
5.100E+03	7.673E-01	2.299E+02	6.404E+01	6.194E+00	2.902E+00	4.539E+01	3.260E+01	1.229E+00
5.200E+03	7.373E-01	2.427E+02	6.497E+01	6.344E+00	3.073E+00	4.032E+01	2.992E+01	1.241E+00
5.300E+03	6.993E-01	2.515E+02	6.586E+01	6.478E+00	3.169E+00	3.644E+01	2.706E+01	1.252E+00
5.400E+03	6.624E-01	2.606E+02	6.678E+01	6.612E+00	3.250E+00	3.292E+01	2.450E+01	1.262E+00
5.500E+03	6.270E-01	2.701E+02	6.764E+01	6.732E+00	3.317E+00	3.017E+01	2.253E+01	1.269E+00
5.600E+03	5.929E-01	2.801E+02	6.849E+01	6.841E+00	3.373E+00	2.834E+01	2.128E+01	1.272E+00
5.700E+03	5.602E-01	2.902E+02	6.931E+01	6.933E+00	3.422E+00	2.743E+01	2.074E+01	1.272E+00
5.800E+03	5.296E-01	3.002E+02	7.011E+01	7.019E+00	3.465E+00	2.729E+01	2.079E+01	1.274E+00
5.900E+03	5.010E-01	3.099E+02	7.089E+01	7.094E+00	3.505E+00	2.777E+01	2.131E+01	1.281E+00
6.000E+03	4.742E-01	3.193E+02	7.165E+01	7.164E+00	3.543E+00	2.806E+01	2.214E+01	1.285E+00
6.100E+03	4.494E-01	3.273E+02	7.238E+01	7.237E+00	3.581E+00	2.976E+01	2.311E+01	1.290E+00
6.200E+03	4.266E-01	3.350E+02	7.311E+01	7.311E+00	3.619E+00	3.088E+01	2.405E+01	1.294E+00
6.300E+03	4.058E-01	3.421E+02	7.381E+01	7.381E+00	3.658E+00	3.140E+01	2.481E+01	1.294E+00
6.400E+03	3.867E-01	3.485E+02	7.449E+01	7.449E+00	3.696E+00	3.234E+01	2.523E+01	1.294E+00
6.500E+03	3.691E-01	3.555E+02	7.515E+01	7.515E+00	3.735E+00	3.288E+01	2.522E+01	1.294E+00
6.600E+03	3.534E-01	3.619E+02	7.579E+01	7.579E+00	3.772E+00	3.345E+01	2.473E+01	1.291E+00
6.700E+03	3.395E-01	3.682E+02	7.641E+01	7.641E+00	3.807E+00	3.077E+01	2.379E+01	1.288E+00
6.800E+03	3.272E-01	3.744E+02	7.699E+01	7.699E+00	3.839E+00	2.925E+01	2.248E+01	1.288E+00
6.900E+03	3.164E-01	3.805E+02	7.754E+01	7.754E+00	3.866E+00	2.745E+01	2.095E+01	1.279E+00
7.000E+03	3.070E-01	3.865E+02	7.807E+01	7.807E+00	3.893E+00	2.555E+01	1.935E+01	1.273E+00
7.100E+03	2.991E-01	3.924E+02	7.858E+01	7.858E+00	3.916E+00	2.372E+01	1.781E+01	1.267E+00
7.200E+03	2.924E-01	3.982E+02	7.907E+01	7.907E+00	3.934E+00	2.210E+01	1.645E+01	1.262E+00
7.300E+03	2.868E-01	4.039E+02	7.954E+01	7.954E+00	3.951E+00	2.075E+01	1.531E+01	1.255E+00
7.400E+03	2.822E-01	4.094E+02	7.999E+01	7.999E+00	3.964E+00	1.969E+01	1.443E+01	1.247E+00
7.500E+03	2.786E-01	4.148E+02	8.043E+01	8.043E+00	3.976E+00	1.894E+01	1.381E+01	1.238E+00
7.600E+03	2.758E-01	4.201E+02	8.084E+01	8.084E+00	3.982E+00	1.839E+01	1.308E+01	1.230E+00
7.700E+03	2.737E-01	4.253E+02	8.124E+01	8.124E+00	3.983E+00	2.228E+01	1.639E+01	1.215E+00
7.800E+03	2.721E-01	4.304E+02	8.162E+01	8.162E+00	3.979E+00	2.845E+01	2.187E+01	1.277E+00
7.900E+03	2.710E-01	4.354E+02	8.197E+01	8.197E+00	3.970E+00	3.688E+01	2.864E+01	1.250E+00
8.000E+03	2.703E-01	4.403E+02	8.230E+01	8.230E+00	3.957E+00	4.733E+01	3.671E+01	1.273E+00
8.100E+03	2.700E-01	4.451E+02	8.261E+01	8.261E+00	3.940E+00	7.153E+01	4.399E+01	1.292E+00
8.200E+03	2.700E-01	4.498E+02	8.290E+01	8.290E+00	3.918E+00	8.252E+01	4.938E+01	1.221E+00
8.300E+03	2.700E-01	4.544E+02	8.317E+01	8.317E+00	3.892E+00	9.027E+01	6.597E+01	1.226E+00
8.400E+03	2.700E-01	4.589E+02	8.343E+01	8.343E+00	3.855E+00	9.318E+01	6.719E+01	1.235E+00

TABLE I. - Continued

T	RHO/RHO-J	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
2.100E+04	8.716E-02	2.078E+03	1.209E+02	1.859E+01	6.204E+00	9.078E+01	6.483E+01	1.247E+00
2.200E+04	7.902E-02	2.294E+03	1.250E+02	1.965E+01	6.532E+00	8.400E+01	5.959E+01	1.264E+00
2.300E+04	7.241E-02	2.470E+03	1.285E+02	2.069E+01	6.819E+00	7.473E+01	5.273E+01	1.265E+00
2.400E+04	6.704E-02	2.662E+03	1.315E+02	2.171E+01	7.057E+00	6.495E+01	4.555E+01	1.309E+00
2.500E+04	6.265E-02	2.811E+03	1.340E+02	2.268E+01	7.250E+00	5.608E+01	3.903E+01	1.335E+00
2.600E+04	5.900E-02	2.940E+03	1.360E+02	2.360E+01	7.403E+00	4.885E+01	3.372E+01	1.341E+00
2.700E+04	5.590E-02	3.054E+03	1.378E+02	2.445E+01	7.523E+00	4.351E+01	2.981E+01	1.364E+00
2.800E+04	5.322E-02	3.156E+03	1.393E+02	2.520E+01	7.620E+00	4.002E+01	2.732E+01	1.400E+00
2.900E+04	5.085E-02	3.252E+03	1.406E+02	2.583E+01	7.700E+00	3.826E+01	2.616E+01	1.405E+00
3.000E+04	4.872E-02	3.346E+03	1.419E+02	2.633E+01	7.770E+00	3.808E+01	2.625E+01	1.400E+00
3.100E+04	4.674E-02	3.441E+03	1.432E+02	2.674E+01	7.834E+00	3.931E+01	2.744E+01	1.385E+00
3.200E+04	4.493E-02	3.541E+03	1.445E+02	2.710E+01	7.890E+00	4.172E+01	2.955E+01	1.347E+00
3.300E+04	4.320E-02	3.644E+03	1.458E+02	2.744E+01	7.944E+00	4.498E+01	3.227E+01	1.348E+00
3.400E+04	4.156E-02	3.73E+03	1.472E+02	2.782E+01	8.036E+00	4.859E+01	3.522E+01	1.333E+00
3.500E+04	3.999E-02	3.807E+03	1.487E+02	2.825E+01	8.112E+00	5.201E+01	3.794E+01	1.322E+00
3.600E+04	3.850E-02	3.887E+03	1.502E+02	2.873E+01	8.193E+00	5.469E+01	4.001E+01	1.316E+00
3.700E+04	3.708E-02	3.956E+03	1.517E+02	2.926E+01	8.277E+00	5.623E+01	4.113E+01	1.315E+00
3.800E+04	3.574E-02	4.025E+03	1.532E+02	2.984E+01	8.361E+00	5.647E+01	4.122E+01	1.318E+00
3.900E+04	3.449E-02	4.093E+03	1.546E+02	3.045E+01	8.442E+00	5.950E+01	4.035E+01	1.325E+00
4.000E+04	3.333E-02	4.164E+03	1.560E+02	3.108E+01	8.518E+00	5.362E+01	3.876E+01	1.334E+00
4.100E+04	3.225E-02	4.237E+03	1.573E+02	3.173E+01	8.598E+00	5.121E+01	3.882E+01	1.349E+00
4.200E+04	3.125E-02	4.312E+03	1.585E+02	3.238E+01	8.651E+00	4.866E+01	3.476E+01	1.367E+00
4.300E+04	3.033E-02	4.377E+03	1.596E+02	3.301E+01	8.707E+00	4.628E+01	3.287E+01	1.369E+00
4.400E+04	2.947E-02	4.445E+03	1.607E+02	3.360E+01	8.756E+00	4.432E+01	3.134E+01	1.379E+00
4.500E+04	2.867E-02	4.516E+03	1.617E+02	3.415E+01	8.800E+00	4.257E+01	3.030E+01	1.385E+00
4.600E+04	2.792E-02	4.589E+03	1.626E+02	3.463E+01	8.840E+00	4.228E+01	2.981E+01	1.388E+00
4.700E+04	2.721E-02	4.666E+03	1.635E+02	3.505E+01	8.878E+00	4.232E+01	2.992E+01	1.378E+00
4.800E+04	2.654E-02	4.747E+03	1.644E+02	3.541E+01	8.914E+00	4.307E+01	3.062E+01	1.370E+00
4.900E+04	2.589E-02	4.831E+03	1.653E+02	3.572E+01	8.950E+00	4.451E+01	3.180E+01	1.369E+00
5.000E+04	2.527E-02	4.918E+03	1.662E+02	3.600E+01	8.987E+00	4.655E+01	3.361E+01	1.357E+00

P/PO = 3.00E+01

T	RHO/RHO-O	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	1.508E+01	2.424E+00	2.580E+01	1.270E+00	1.276E+00	2.439E+01	1.864E+01	1.150E+00
6.200E+02	1.243E+01	4.484E+00	3.090E+01	1.591E+00	1.631E+00	2.775E+01	2.044E+01	1.216E+00
7.000E+02	9.298E+00	9.926E+00	3.433E+01	1.880E+00	1.869E+00	1.629E+01	1.213E+01	1.271E+00
8.000E+02	7.783E+00	1.306E+01	3.603E+01	2.101E+00	1.954E+00	1.019E+01	7.507E+00	1.328E+00
9.000E+02	6.823E+00	1.530E+01	3.710E+01	2.268E+00	1.981E+00	6.335E+00	6.088E+00	1.356E+00
1.000E+03	6.110E+00	1.727E+01	3.795E+01	2.402E+00	1.991E+00	7.008E+00	5.702E+00	1.363E+00
1.100E+03	5.543E+00	1.918E+01	3.869E+01	2.520E+00	1.995E+00	7.677E+00	5.627E+00	1.361E+00
1.200E+03	5.077E+00	2.108E+01	3.936E+01	2.629E+00	1.997E+00	7.663E+00	5.656E+00	1.356E+00
1.300E+03	4.684E+00	2.295E+01	3.997E+01	2.731E+00	1.998E+00	7.739E+00	5.723E+00	1.351E+00
1.400E+03	4.348E+00	2.491E+01	4.055E+01	2.829E+00	1.999E+00	7.814E+00	5.804E+00	1.345E+00
1.500E+03	4.057E+00	2.685E+01	4.113E+01	2.923E+00	1.999E+00	7.896E+00	5.892E+00	1.340E+00
1.600E+03	3.803E+00	2.881E+01	4.161E+01	3.013E+00	1.999E+00	7.980E+00	5.976E+00	1.335E+00
1.700E+03	3.579E+00	3.080E+01	4.210E+01	3.100E+00	2.000E+00	8.064E+00	6.063E+00	1.330E+00
1.800E+03	3.380E+00	3.280E+01	4.257E+01	3.185E+00	2.000E+00	8.156E+00	6.152E+00	1.325E+00
1.900E+03	3.202E+00	3.484E+01	4.301E+01	3.266E+00	2.000E+00	8.253E+00	6.247E+00	1.321E+00
2.000E+03	3.042E+00	3.689E+01	4.344E+01	3.345E+00	2.000E+00	8.364E+00	6.355E+00	1.316E+00
2.100E+03	2.896E+00	3.898E+01	4.385E+01	3.421E+00	2.000E+00	8.477E+00	6.483E+00	1.310E+00
2.200E+03	2.764E+00	4.111E+01	4.424E+01	3.493E+00	2.001E+00	8.604E+00	6.641E+00	1.304E+00
2.300E+03	2.643E+00	4.328E+01	4.465E+01	3.563E+00	2.001E+00	8.777E+00	6.839E+00	1.297E+00
2.400E+03	2.532E+00	4.552E+01	4.503E+01	3.629E+00	2.002E+00	9.151E+00	7.091E+00	1.290E+00
2.500E+03	2.429E+00	4.783E+01	4.542E+01	3.693E+00	2.004E+00	9.501E+00	7.410E+00	1.281E+00
2.600E+03	2.333E+00	5.024E+01	4.580E+01	3.756E+00	2.006E+00	9.943E+00	7.781E+00	1.271E+00
2.700E+03	2.243E+00	5.278E+01	4.619E+01	3.813E+00	2.009E+00	1.049E+01	8.303E+00	1.261E+00
2.800E+03	2.155E+00	5.546E+01	4.659E+01	3.871E+00	2.013E+00	1.117E+01	8.903E+00	1.251E+00
2.900E+03	2.079E+00	5.833E+01	4.700E+01	3.928E+00	2.018E+00	1.199E+01	9.621E+00	1.240E+00
3.000E+03	2.003E+00	6.142E+01	4.742E+01	3.986E+00	2.025E+00	1.296E+01	1.047E+01	1.231E+00
3.100E+03	1.930E+00	6.478E+01	4.787E+01	4.046E+00	2.033E+00	1.410E+01	1.145E+01	1.222E+00
3.200E+03	1.860E+00	6.843E+01	4.836E+01	4.108E+00	2.044E+00	1.541E+01	1.256E+01	1.213E+00
3.300E+03	1.792E+00	7.243E+01	4.889E+01	4.173E+00	2.057E+00	1.690E+01	1.382E+01	1.206E+00
3.400E+03	1.726E+00	7.683E+01	4.937E+01	4.241E+00	2.073E+00	1.858E+01	1.521E+01	1.201E+00
3.500E+03	1.661E+00	8.166E+01	4.954E+01	4.314E+00	2.092E+00	2.044E+01	1.673E+01	1.196E+00
3.600E+03	1.598E+00	8.697E+01	5.055E+01	4.376E+00	2.115E+00	2.248E+01	1.836E+01	1.192E+00
3.700E+03	1.536E+00	9.280E+01	5.120E+01	4.476E+00	2.141E+00	2.467E+01	2.009E+01	1.190E+00
3.800E+03	1.475E+00	9.919E+01	5.189E+01	4.586E+00	2.171E+00	2.700E+01	2.189E+01	1.188E+00
3.900E+03	1.415E+00	1.062E+02	5.283E+01	4.659E+00	2.205E+00	2.944E+01	2.373E+01	1.187E+00
4.000E+03	1.356E+00	1.138E+02	5.341E+01	4.758E+00	2.244E+00	3.194E+01	2.557E+01	1.187E+00
4.100E+03	1.298E+00	1.220E+02	5.423E+01	4.866E+00	2.287E+00	3.446E+01	2.738E+01	1.186E+00
4.200E+03	1.241E+00	1.308E+02	5.524E+01	4.978E+00	2.334E+00	3.693E+01	2.911E+01	1.185E+00
4.300E+03	1.186E+00	1.402E+02	5.554E+01	5.096E+00	2.385E+00	3.922E+01	3.070E+01	1.184E+00
4.400E+03	1.133E+00	1.501E+02	5.692E+01	5.220E+00	2.441E+00	4.132E+01	3.211E+01	1.194E+00
4.500E+03	1.082E+00	1.606E+02	5.787E+01	5.349E+00	2.499E+00	4.320E+01	3.326E+01	1.197E+00
4.600E+03	1.033E+00	1.715E+02	5.844E+01	5.482E+00	2.561E+00	4.479E+01	3.417E+01	1.200E+00
4.700E+03	9.864E-01	1.826E+02	5.942E+01	5.618E+00	2.626E+00	4.687E+01	3.475E+01	1.204E+00
4.800E+03	9.426E-01	1.940E+02	6.079E+01	5.757E+00	2.699E+00	4.946E+01	3.499E+01	1.208E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
4.900E+03	9.014E-01	2.055E+02	6.175E+01	5.890E+00	2.754E+00	4.655E+01	3.488E+01	1.213E+00
5.000E+03	8.633E-01	2.149E+02	6.269E+01	6.040E+00	2.819E+00	4.615E+01	3.444E+01	1.218E+00
5.200E+03	7.952E-01	2.392E+02	6.446E+01	6.321E+00	2.942E+00	4.403E+01	3.269E+01	1.228E+00
5.400E+03	7.376E-01	2.601E+02	6.606E+01	6.593E+00	3.055E+00	4.069E+01	3.016E+01	1.240E+00
5.600E+03	6.892E-01	2.792E+02	6.747E+01	6.852E+00	3.152E+00	3.693E+01	2.739E+01	1.251E+00
5.800E+03	6.484E-01	2.964E+02	6.870E+01	7.093E+00	3.235E+00	3.341E+01	2.484E+01	1.261E+00
6.000E+03	6.137E-01	3.121E+02	6.978E+01	7.312E+00	3.304E+00	3.000E+01	2.282E+01	1.269E+00
6.200E+03	5.836E-01	3.267E+02	7.075E+01	7.500E+00	3.362E+00	2.666E+01	2.149E+01	1.272E+00
6.400E+03	5.572E-01	3.405E+02	7.164E+01	7.664E+00	3.412E+00	2.342E+01	2.004E+01	1.272E+00
6.600E+03	5.334E-01	3.540E+02	7.248E+01	7.812E+00	3.456E+00	2.079E+01	1.868E+01	1.268E+00
6.800E+03	5.117E-01	3.675E+02	7.330E+01	7.949E+00	3.496E+00	1.872E+01	1.743E+01	1.263E+00
7.000E+03	4.916E-01	3.813E+02	7.411E+01	8.130E+00	3.535E+00	1.719E+01	1.629E+01	1.257E+00
7.200E+03	4.729E-01	3.956E+02	7.493E+01	8.272E+00	3.573E+00	1.596E+01	1.529E+01	1.251E+00
7.400E+03	4.553E-01	4.105E+02	7.575E+01	8.417E+00	3.611E+00	1.496E+01	1.444E+01	1.245E+00
7.600E+03	4.386E-01	4.258E+02	7.658E+01	8.567E+00	3.650E+00	1.416E+01	1.374E+01	1.245E+00
7.800E+03	4.229E-01	4.415E+02	7.741E+01	8.724E+00	3.688E+00	1.341E+01	1.316E+01	1.245E+00
8.000E+03	4.081E-01	4.576E+02	7.823E+01	8.888E+00	3.727E+00	1.270E+01	1.267E+01	1.247E+00
8.200E+03	3.942E-01	4.733E+02	7.902E+01	9.059E+00	3.764E+00	1.202E+01	1.224E+01	1.247E+00
8.400E+03	3.812E-01	4.888E+02	7.978E+01	9.236E+00	3.799E+00	1.137E+01	1.187E+01	1.247E+00
8.600E+03	3.692E-01	5.037E+02	8.049E+01	9.419E+00	3.832E+00	1.074E+01	1.154E+01	1.247E+00
8.800E+03	3.580E-01	5.178E+02	8.115E+01	9.606E+00	3.861E+00	1.014E+01	1.124E+01	1.247E+00
9.000E+03	3.477E-01	5.310E+02	8.175E+01	9.797E+00	3.888E+00	9.56E+00	1.096E+01	1.249E+00
9.200E+03	3.382E-01	5.433E+02	8.230E+01	9.988E+00	3.910E+00	9.00E+00	1.070E+01	1.255E+00
9.400E+03	3.294E-01	5.548E+02	8.282E+01	1.018E+01	3.930E+00	8.45E+00	1.047E+01	1.259E+00
9.600E+03	3.211E-01	5.654E+02	8.325E+01	1.036E+01	3.946E+00	7.91E+00	1.026E+01	1.258E+00
9.800E+03	3.134E-01	5.755E+02	8.368E+01	1.053E+01	3.961E+00	7.38E+00	1.007E+01	1.255E+00
1.000E+04	3.062E-01	5.851E+02	8.407E+01	1.069E+01	3.973E+00	6.86E+00	9.84E+00	1.254E+00
1.100E+04	2.751E-01	6.305E+02	8.582E+01	1.129E+01	4.021E+00	5.36E+00	8.34E+00	1.255E+00
1.200E+04	2.491E-01	6.799E+02	8.757E+01	1.170E+01	4.070E+00	4.00E+00	6.84E+00	1.252E+00
1.300E+04	2.261E-01	7.492E+02	8.954E+01	1.210E+01	4.139E+00	2.791E+00	4.64E+00	1.248E+00
1.400E+04	2.049E-01	8.193E+02	9.190E+01	1.257E+01	4.241E+00	1.80E+00	3.00E+00	1.252E+00
1.500E+04	1.850E-01	9.204E+02	9.472E+01	1.314E+01	4.389E+00	1.00E+00	1.50E+00	1.253E+00
1.600E+04	1.661E-01	1.044E+03	9.807E+01	1.381E+01	4.577E+00	5.78E+00	8.44E+00	1.255E+00
1.700E+04	1.484E-01	1.206E+03	1.019E+02	1.459E+01	4.821E+00	6.98E+00	9.291E+00	1.251E+00
1.800E+04	1.322E-01	1.392E+03	1.062E+02	1.546E+01	5.115E+00	8.08E+00	1.016E+01	1.252E+00
1.900E+04	1.176E-01	1.602E+03	1.108E+02	1.642E+01	5.447E+00	8.88E+00	1.092E+01	1.252E+00
2.000E+04	1.049E-01	1.824E+03	1.155E+02	1.744E+01	5.800E+00	9.22E+00	1.166E+01	1.254E+00
2.100E+04	9.416E-02	2.052E+03	1.206E+02	1.850E+01	6.152E+00	9.05E+00	1.247E+01	1.248E+00
2.200E+04	8.534E-02	2.269E+03	1.241E+02	1.956E+01	6.480E+00	8.44E+00	1.319E+01	1.242E+00
2.300E+04	7.814E-02	2.466E+03	1.276E+02	2.060E+01	6.770E+00	7.56E+00	1.388E+01	1.236E+00
2.400E+04	7.228E-02	2.641E+03	1.307E+02	2.161E+01	7.011E+00	6.66E+00	1.453E+01	1.235E+00
2.500E+04	6.749E-02	2.793E+03	1.332E+02	2.259E+01	7.211E+00	5.72E+00	1.515E+01	1.231E+00
2.600E+04	6.350E-02	2.924E+03	1.353E+02	2.351E+01	7.369E+00	4.98E+00	1.574E+01	1.235E+00
2.700E+04	6.013E-02	3.040E+03	1.370E+02	2.437E+01	7.496E+00	4.33E+00	1.630E+01	1.231E+00
2.800E+04	5.721E-02	3.144E+03	1.386E+02	2.514E+01	7.599E+00	3.76E+00	1.682E+01	1.230E+00
2.900E+04	5.464E-02	3.242E+03	1.400E+02	2.578E+01	7.678E+00	3.25E+00	1.730E+01	1.243E+00
3.000E+04	5.233E-02	3.336E+03	1.412E+02	2.631E+01	7.730E+00	2.78E+00	1.772E+01	1.240E+00
3.100E+04	5.022E-02	3.431E+03	1.425E+02	2.676E+01	7.815E+00	2.34E+00	1.808E+01	1.238E+00
3.200E+04	4.825E-02	3.530E+03	1.438E+02	2.710E+01	7.880E+00	1.92E+00	1.842E+01	1.237E+00
3.300E+04	4.640E-02	3.635E+03	1.449E+02	2.745E+01	7.946E+00	1.50E+00	1.870E+01	1.235E+00
3.400E+04	4.464E-02	3.744E+03	1.465E+02	2.782E+01	8.011E+00	1.09E+00	1.895E+01	1.236E+00
3.500E+04	4.298E-02	3.871E+03	1.479E+02	2.824E+01	8.091E+00	8.12E+00	1.929E+01	1.235E+00
3.600E+04	4.136E-02	4.001E+03	1.494E+02	2.871E+01	8.172E+00	5.42E+00	1.965E+01	1.231E+00
3.700E+04	3.986E-02	4.136E+03	1.509E+02	2.923E+01	8.255E+00	3.57E+00	1.996E+01	1.216E+00
3.800E+04	3.840E-02	4.275E+03	1.524E+02	2.980E+01	8.348E+00	2.52E+00	2.027E+01	1.210E+00
3.900E+04	3.705E-02	4.418E+03	1.538E+02	3.040E+01	8.420E+00	1.76E+00	2.059E+01	1.210E+00
4.000E+04	3.580E-02	4.564E+03	1.552E+02	3.103E+01	8.497E+00	1.19E+00	2.092E+01	1.233E+00
4.100E+04	3.464E-02	4.678E+03	1.565E+02	3.167E+01	8.568E+00	8.16E+00	2.115E+01	1.233E+00
4.200E+04	3.356E-02	4.802E+03	1.578E+02	3.232E+01	8.632E+00	4.91E+00	2.141E+01	1.235E+00
4.300E+04	3.256E-02	4.921E+03	1.589E+02	3.295E+01	8.689E+00	3.24E+00	2.164E+01	1.247E+00
4.400E+04	3.164E-02	5.033E+03	1.599E+02	3.355E+01	8.740E+00	2.00E+00	2.185E+01	1.237E+00
4.500E+04	3.077E-02	5.142E+03	1.609E+02	3.411E+01	8.785E+00	1.28E+00	2.205E+01	1.248E+00
4.600E+04	2.997E-02	5.247E+03	1.619E+02	3.464E+01	8.827E+00	8.24E+00	2.229E+01	1.248E+00
4.700E+04	2.920E-02	5.352E+03	1.628E+02	3.504E+01	8.865E+00	4.230E+00	2.248E+01	1.248E+00
4.800E+04	2.848E-02	5.457E+03	1.637E+02	3.541E+01	8.901E+00	2.78E+00	2.261E+01	1.248E+00
4.900E+04	2.778E-02	5.564E+03	1.644E+02	3.573E+01	8.937E+00	1.71E+00	2.272E+01	1.248E+00
5.000E+04	2.711E-02	5.675E+03	1.655E+02	3.602E+01	8.974E+00	1.00E+00	2.289E+01	1.248E+00

P/P0 = 3.20E+01

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	2.048E+01	-2.547E+00	2.562E+01	1.266E+00	1.268E+00	2.389E+01	1.825E+01	1.190E+00
6.000E+02	1.334E+01	4.291E+00	3.044E+01	1.364E+00	1.364E+00	2.705E+01	2.049E+01	1.216E+00
7.000E+02	9.535E+00	9.413E+00	3.414E+01	1.475E+00	1.462E+00	3.067E+01	2.240E+01	1.249E+00
8.000E+02	7.314E+00	1.301E+01	3.568E+01	2.094E+00	1.951E+00	3.469E+01	2.434E+01	1.288E+00
9.000E+02	7.282E+00	1.524E+01	3.697E+01	2.266E+00	1.940E+00	3.594E+00	2.137E+00	1.335E+00
1.000E+03	4.520E+00	1.727E+01	3.782E+01	2.401E+00	1.991E+00	3.632E+00	5.721E+00	1.363E+00
1.100E+03	5.914E+00	1.918E+01	3.856E+01	2.520E+00	1.995E+00	7.689E+00	5.638E+00	1.381E+00
1.200E+03	5.415E+00	2.107E+01	3.923E+01	2.629E+00	1.997E+00	7.689E+00	5.661E+00	1.398E+00

TABLE I. - Continued

AMU/4-1/2	M/RTO	S/A	A/AU	Z	CP/R	CV/R	GAMMA	
1.300E+03	4.996E+00	2.258E+C1	3.985E+01	2.731E+00	1.998E+00	7.742E+00	5.726E+00	1.351E+00
1.400E+C3	4.638E+00	2.490E+C1	4.042E+C1	2.829E+00	1.999E+00	7.616E+00	5.806E+00	1.345E+00
1.500E+03	4.328E+00	2.685E+C1	4.097E+01	2.923E+00	1.999E+00	7.697E+00	5.890E+00	1.340E+00
1.600E+C3	4.051E+00	2.881E+C1	4.148E+01	3.013E+00	1.999E+00	7.981E+00	5.976E+00	1.335E+00
1.700E+03	3.818E+00	3.080E+C1	4.197E+01	3.100E+00	1.999E+00	8.067E+00	6.063E+00	1.330E+00
1.800E+C3	3.605E+00	3.280E+C1	4.244E+01	3.185E+00	2.000E+00	8.155E+00	6.151E+00	1.325E+00
1.900E+03	3.416E+00	3.481E+01	4.288E+01	3.266E+00	2.000E+00	8.251E+00	6.246E+00	1.321E+00
2.000E+C3	3.244E+00	3.684E+C1	4.331E+01	3.345E+00	2.000E+00	8.361E+00	6.352E+00	1.316E+00
2.100E+03	3.090E+00	3.890E+C1	4.372E+01	3.421E+00	2.000E+00	8.492E+00	6.478E+00	1.312E+00
2.200E+C3	2.949E+00	4.101E+C1	4.413E+01	3.494E+00	2.001E+00	8.636E+00	6.633E+00	1.308E+00
2.300E+03	2.819E+00	4.324E+01	4.452E+01	3.563E+00	2.001E+00	8.804E+00	6.827E+00	1.304E+00
2.400E+C3	2.701E+00	4.551E+01	4.490E+01	3.630E+00	2.002E+00	9.130E+00	7.073E+00	1.300E+00
2.500E+03	2.591E+00	4.781E+01	4.529E+01	3.694E+00	2.004E+00	9.470E+00	7.383E+00	1.296E+00
2.600E+C3	2.489E+00	5.022E+C1	4.567E+01	3.755E+00	2.006E+00	9.900E+00	7.771E+00	1.292E+00
2.700E+C3	2.393E+00	5.274E+C1	4.606E+01	3.814E+00	2.009E+00	1.044E+01	8.250E+00	1.288E+00
2.800E+C3	2.303E+00	5.541E+01	4.645E+01	3.872E+00	2.012E+00	1.109E+01	8.828E+00	1.284E+00
2.900E+C3	2.218E+00	5.825E+01	4.686E+01	3.930E+00	2.017E+00	1.188E+01	9.525E+00	1.280E+00
3.000E+C3	2.137E+00	6.132E+01	4.728E+01	3.988E+00	2.024E+00	1.283E+01	1.032E+00	1.276E+00
3.100E+C3	2.060E+00	6.463E+01	4.772E+01	4.047E+00	2.032E+00	1.393E+01	1.135E+01	1.272E+00
3.200E+C3	1.985E+00	6.824E+01	4.819E+01	4.106E+00	2.043E+00	1.520E+01	1.250E+01	1.268E+00
3.300E+C3	1.911E+00	7.219E+01	4.868E+01	4.173E+00	2.055E+00	1.665E+01	1.380E+01	1.264E+00
3.400E+C3	1.843E+00	7.651E+01	4.920E+01	4.241E+00	2.071E+00	1.828E+01	1.495E+01	1.260E+00
3.500E+C3	1.775E+00	8.126E+01	4.976E+01	4.314E+00	2.089E+00	2.008E+01	1.643E+01	1.257E+00
3.600E+C3	1.708E+00	8.647E+01	5.036E+01	4.391E+00	2.111E+00	2.206E+01	1.802E+01	1.253E+00
3.700E+C3	1.642E+00	9.222E+01	5.099E+01	4.473E+00	2.136E+00	2.419E+01	1.973E+01	1.250E+00
3.800E+C3	1.577E+00	9.846E+01	5.167E+01	4.560E+00	2.166E+00	2.646E+01	2.145E+01	1.246E+00
3.900E+C3	1.513E+00	1.053E+02	5.239E+01	4.654E+00	2.199E+00	2.894E+01	2.325E+01	1.242E+00
4.000E+C3	1.451E+00	1.127E+02	5.316E+01	4.753E+00	2.236E+00	3.128E+01	2.506E+01	1.238E+00
4.100E+C3	1.394E+00	1.208E+02	5.396E+01	4.858E+00	2.278E+00	3.375E+01	2.684E+01	1.234E+00
4.200E+C3	1.342E+00	1.294E+02	5.481E+01	4.969E+00	2.326E+00	3.619E+01	2.855E+01	1.230E+00
4.300E+C3	1.271E+00	1.386E+02	5.569E+01	5.085E+00	2.374E+00	3.852E+01	3.014E+01	1.226E+00
4.400E+C3	1.215E+00	1.484E+02	5.660E+01	5.207E+00	2.428E+00	4.074E+01	3.156E+01	1.222E+00
4.500E+C3	1.160E+00	1.587E+02	5.754E+01	5.336E+00	2.485E+00	4.257E+01	3.276E+01	1.218E+00
4.600E+C3	1.108E+00	1.694E+02	5.849E+01	5.466E+00	2.546E+00	4.413E+01	3.370E+01	1.214E+00
4.700E+C3	1.059E+00	1.804E+02	5.946E+01	5.601E+00	2.608E+00	4.528E+01	3.434E+01	1.210E+00
4.800E+C3	1.012E+00	1.917E+02	6.042E+01	5.739E+00	2.672E+00	4.599E+01	3.465E+01	1.206E+00
4.900E+C3	9.679E-01	2.030E+02	6.137E+01	5.878E+00	2.736E+00	4.621E+01	3.464E+01	1.202E+00
5.000E+03	9.269E-01	2.144E+02	6.230E+01	6.019E+00	2.800E+00	4.596E+01	3.429E+01	1.200E+00
5.100E+C3	8.835E-01	2.260E+02	6.320E+01	6.299E+00	2.924E+00	4.411E+01	3.274E+01	1.200E+00
5.200E+03	7.915E-01	2.378E+02	6.408E+01	6.572E+00	3.037E+00	4.100E+01	3.037E+01	1.200E+00
5.300E+C3	7.384E-01	2.499E+02	6.496E+01	6.848E+00	3.136E+00	3.736E+01	2.766E+01	1.200E+00
5.400E+C3	6.947E-01	2.624E+02	6.583E+01	7.127E+00	3.221E+00	3.388E+01	2.515E+01	1.200E+00
5.500E+C3	6.505E-01	2.754E+02	6.669E+01	7.409E+00	3.292E+00	3.118E+01	2.310E+01	1.200E+00
5.600E+C3	6.058E-01	2.889E+02	6.754E+01	7.692E+00	3.352E+00	2.897E+01	2.169E+01	1.200E+00
5.700E+C3	5.605E-01	3.028E+02	6.838E+01	7.976E+00	3.403E+00	2.781E+01	2.095E+01	1.200E+00
5.800E+C3	5.147E-01	3.171E+02	6.921E+01	8.261E+00	3.448E+00	2.743E+01	2.081E+01	1.200E+00
5.900E+C3	4.684E-01	3.318E+02	7.002E+01	8.546E+00	3.489E+00	2.769E+01	2.117E+01	1.200E+00
6.000E+C3	4.216E-01	3.469E+02	7.081E+01	8.831E+00	3.528E+00	2.840E+01	2.186E+01	1.200E+00
6.100E+C3	3.743E-01	3.624E+02	7.158E+01	9.116E+00	3.566E+00	2.939E+01	2.274E+01	1.200E+00
6.200E+C3	3.265E-01	3.783E+02	7.234E+01	9.401E+00	3.604E+00	3.044E+01	2.365E+01	1.200E+00
6.300E+C3	2.782E-01	3.946E+02	7.308E+01	9.686E+00	3.643E+00	3.138E+01	2.443E+01	1.200E+00
6.400E+C3	2.294E-01	4.114E+02	7.381E+01	9.971E+00	3.681E+00	3.202E+01	2.493E+01	1.200E+00
6.500E+C3	1.801E-01	4.286E+02	7.452E+01	1.0256E+00	3.719E+00	3.221E+01	2.505E+01	1.200E+00
6.600E+C3	1.303E-01	4.462E+02	7.521E+01	1.053E+00	3.757E+00	3.188E+01	2.473E+01	1.200E+00
6.700E+C3	8.001E-02	4.642E+02	7.588E+01	1.080E+00	3.792E+00	3.118E+01	2.397E+01	1.200E+00
6.800E+C3	5.001E-02	4.826E+02	7.653E+01	1.107E+00	3.825E+00	3.018E+01	2.282E+01	1.200E+00
6.900E+C3	3.001E-02	5.014E+02	7.716E+01	1.134E+00	3.855E+00	2.881E+01	2.118E+01	1.200E+00
7.000E+C3	2.001E-02	5.206E+02	7.777E+01	1.161E+00	3.882E+00	2.691E+01	1.987E+01	1.200E+00
7.100E+C3	1.501E-02	5.402E+02	7.836E+01	1.187E+00	3.905E+00	2.438E+01	1.835E+01	1.200E+00
7.200E+C3	1.001E-02	5.602E+02	7.892E+01	1.212E+00	3.925E+00	2.271E+01	1.695E+01	1.200E+00
7.300E+C3	7.501E-03	5.806E+02	7.945E+01	1.236E+00	3.943E+00	2.148E+01	1.575E+01	1.200E+00
7.400E+C3	5.501E-03	6.014E+02	7.995E+01	1.259E+00	3.957E+00	2.013E+01	1.478E+01	1.200E+00
7.500E+C3	4.001E-03	6.226E+02	8.042E+01	1.281E+00	3.970E+00	1.926E+01	1.407E+01	1.200E+00
7.600E+C3	3.001E-03	6.442E+02	8.087E+01	1.302E+00	3.981E+00	1.852E+01	1.352E+01	1.200E+00
7.700E+C3	2.201E-03	6.666E+02	8.129E+01	1.322E+00	4.047E+00	1.792E+01	1.324E+01	1.200E+00
7.800E+C3	1.601E-03	6.894E+02	8.168E+01	1.341E+00	4.135E+00	1.742E+01	1.292E+01	1.200E+00
7.900E+C3	1.101E-03	7.126E+02	8.204E+01	1.359E+00	4.233E+00	1.703E+01	1.264E+01	1.200E+00
8.000E+C3	8.001E-04	7.362E+02	8.237E+01	1.376E+00	4.338E+00	1.673E+01	1.240E+01	1.200E+00
8.100E+C3	6.001E-04	7.602E+02	8.267E+01	1.392E+00	4.451E+00	1.651E+01	1.217E+01	1.200E+00
8.200E+C3	4.501E-04	7.846E+02	8.294E+01	1.407E+00	4.570E+00	1.636E+01	1.200E+01	1.200E+00
8.300E+C3	3.501E-04	8.094E+02	8.318E+01	1.421E+00	4.694E+00	1.624E+01	1.200E+01	1.200E+00
8.400E+C3	2.801E-04	8.346E+02	8.340E+01	1.434E+00	4.823E+00	1.614E+01	1.200E+01	1.200E+00
8.500E+C3	2.201E-04	8.602E+02	8.359E+01	1.446E+00	4.957E+00	1.604E+01	1.200E+01	1.200E+00
8.600E+C3	1.701E-04	8.862E+02	8.375E+01	1.457E+00	5.095E+00	1.594E+01	1.200E+01	1.200E+00
8.700E+C3	1.301E-04	9.126E+02	8.388E+01	1.467E+00	5.236E+00	1.584E+01	1.200E+01	1.200E+00
8.800E+C3	1.001E-04	9.394E+02	8.399E+01	1.476E+00	5.380E+00	1.574E+01	1.200E+01	1.200E+00
8.900E+C3	7.501E-05	9.666E+02	8.408E+01	1.484E+00	5.526E+00	1.564E+01	1.200E+01	1.200E+00
9.000E+C3	5.501E-05	9.942E+02	8.415E+01	1.491E+00	5.674E+00	1.554E+01	1.200E+01	1.200E+00
9.100E+C3	4.001E-05	1.022E+03	8.421E+01	1.497E+00	5.824E+00	1.544E+01	1.200E+01	1.200E+00
9.200E+C3	3.001E-05	1.051E+03	8.426E+01	1.503E+00	5.976E+00	1.534E+01	1.200E+01	1.200E+00
9.300E+C3	2.201E-05	1.080E+03	8.430E+01	1.508E+00	6.130E+00	1.524E+01	1.200E+01	1.200E+00
9.400E+C3	1.601E-05	1.110E+03	8.433E+01	1.513E+00	6.286E+00	1.514E+01	1.200E+01	1.200E+00
9.500E+C3	1.101E-05	1.140E+03	8.436E+01	1.517E+00	6.444E+00	1.504E+01	1.200E+01	1.200E+00
9.600E+C3	8.001E-06	1.170E+03	8.438E+01	1.521E+00	6.604E+00	1.494E+01	1.200E+01	1.200E+00
9.700E+C3	6.001E-06	1.200E+03	8.440E+01	1.524E+00	6.766E+00	1.484E+01	1.200E+01	1.200E+00
9.800E+C3	4.501E-06	1.230E+03	8.441E+01	1.527E+00	6.930E+00	1.474E+01	1.200E+01	1.200E+00
9.900E+C3	3.501E-06	1.260E+03	8.442E+01	1.529E+00	7.096E+00	1.464E+01	1.200E+01	1.200E+00
1.000E+C4	2.801E-06	1.290E+03	8.443E+01	1.531E+00	7.264E+00	1.454E+01	1.200E+01	1.200E+00
1.100E+C4	2.201E-06	1.320E+03	8.443E+01	1.533E+00	7.434E+00	1.444E+01	1.200E+01	1.200E+00
1.200E+C4	1.701E-06	1.350E+03	8.443E+01	1.534E+00	7.606E+00	1.434E+01	1.200E+01	1.200E+00
1.300E+C4	1.301E-06	1.380E+03	8.443E+01	1.535E+00	7.780E+00	1.424E+01	1.200E+01	1.200E+00
1.400E+C4	1.001E-06	1.410E+03	8.443E+01	1.535E+00	7.956E+00	1.414E+01	1.200E+01	1.200E+00
1.500E+C4	7.501E-07	1.440E+03	8.443E+01	1.535E+00	8.134E+00	1.404E+01	1.200E+01	1.200E+00
1.600E+C4	5.501E-07	1.470E+03	8.443E+01	1.535E+00	8.314E+00	1.394E+01	1.200E+01	1.200E+00

TABLE I. - Continued

T	S/R	N/RTD	S/R	A/AO	Z	CP/R	CV/R	GAPPA
3.500E+04	4.594E-02	3.856E+03	1.472E+02	2.823E+01	8.072E+00	5.051E+01	3.668E+01	1.327E+00
3.600E+04	4.423E-02	3.984E+03	1.487E+02	2.869E+01	8.151E+00	5.138E+01	3.692E+01	1.320E+00
3.700E+04	4.280E-02	4.118E+03	1.502E+02	2.921E+01	8.238E+00	5.230E+01	4.036E+01	1.317E+00
3.800E+04	4.106E-02	4.259E+03	1.517E+02	2.976E+01	8.317E+00	5.404E+01	4.085E+01	1.319E+00
3.900E+04	3.962E-02	4.393E+03	1.531E+02	3.038E+01	8.398E+00	5.599E+01	4.039E+01	1.324E+00
4.000E+04	3.828E-02	4.529E+03	1.545E+02	3.126E+01	8.476E+00	5.414E+01	3.914E+01	1.332E+00
4.100E+04	3.703E-02	4.660E+03	1.558E+02	3.224E+01	8.548E+00	5.203E+01	3.743E+01	1.342E+00
4.200E+04	3.587E-02	4.785E+03	1.570E+02	3.324E+01	8.614E+00	4.962E+01	3.549E+01	1.353E+00
4.300E+04	3.480E-02	4.905E+03	1.582E+02	3.429E+01	8.672E+00	4.725E+01	3.329E+01	1.365E+00
4.400E+04	3.381E-02	5.018E+03	1.592E+02	3.550E+01	8.724E+00	4.518E+01	3.179E+01	1.375E+00
4.500E+04	3.288E-02	5.124E+03	1.602E+02	3.686E+01	8.771E+00	4.340E+01	3.022E+01	1.383E+00
4.600E+04	3.201E-02	5.234E+03	1.612E+02	3.838E+01	8.813E+00	4.233E+01	2.895E+01	1.387E+00
4.700E+04	3.119E-02	5.339E+03	1.621E+02	3.502E+01	8.852E+00	4.233E+01	3.022E+01	1.383E+00
4.800E+04	3.042E-02	5.443E+03	1.630E+02	3.541E+01	8.889E+00	4.272E+01	3.119E+01	1.376E+00
4.900E+04	2.967E-02	5.550E+03	1.639E+02	3.575E+01	8.925E+00	4.378E+01	3.264E+01	1.364E+00
5.000E+04	2.896E-02	5.660E+03	1.648E+02	3.604E+01	8.962E+00	4.545E+01	3.264E+01	1.364E+00

P/PD = 3.40E+01

T	RHO/RHO-0	N/RTD	S/R	A/AO	Z	CP/R	CV/R	GAPPA
5.000E+02	2.189E+01	-2.659E+00	2.545E+01	1.262E+00	1.260E+00	2.343E+01	1.796E+01	1.190E+00
5.100E+02	1.430E+01	4.109E+00	3.044E+01	1.578E+00	1.607E+00	2.750E+01	2.052E+01	1.215E+00
7.000E+02	1.062E+01	9.702E+00	3.396E+01	1.870E+00	1.895E+00	1.702E+01	1.265E+01	1.247E+00
8.000E+02	8.466E+00	1.296E+01	3.574E+01	2.094E+00	1.948E+00	1.052E+01	7.759E+00	1.324E+00
9.000E+02	7.742E+00	1.526E+01	3.684E+01	2.260E+00	1.979E+00	8.463E+00	6.189E+00	1.354E+00
1.000E+03	6.929E+00	1.726E+01	3.749E+01	2.400E+00	1.990E+00	7.895E+00	5.741E+00	1.362E+00
1.100E+03	6.284E+00	1.917E+01	3.843E+01	2.519E+00	1.995E+00	7.702E+00	5.645E+00	1.371E+00
1.200E+03	5.754E+00	2.107E+01	3.910E+01	2.624E+00	1.997E+00	7.695E+00	5.665E+00	1.376E+00
1.300E+03	5.309E+00	2.298E+01	3.972E+01	2.731E+00	1.996E+00	7.746E+00	5.724E+00	1.375E+00
1.400E+03	4.928E+00	2.490E+01	4.030E+01	2.829E+00	1.998E+00	7.818E+00	5.807E+00	1.375E+00
1.500E+03	4.655E+00	2.685E+01	4.085E+01	2.923E+00	1.999E+00	7.898E+00	5.871E+00	1.364E+00
1.600E+03	4.381E+00	2.881E+01	4.136E+01	3.013E+00	1.999E+00	7.999E+00	5.977E+00	1.375E+00
1.700E+03	4.107E+00	3.080E+01	4.185E+01	3.100E+00	1.999E+00	8.067E+00	6.063E+00	1.360E+00
1.800E+03	3.831E+00	3.280E+01	4.231E+01	3.185E+00	2.000E+00	8.135E+00	6.151E+00	1.326E+00
1.900E+03	3.629E+00	3.483E+01	4.276E+01	3.266E+00	2.000E+00	8.250E+00	6.245E+00	1.321E+00
2.000E+03	3.447E+00	3.689E+01	4.319E+01	3.345E+00	2.000E+00	8.358E+00	6.350E+00	1.316E+00
2.100E+03	3.283E+00	3.898E+01	4.360E+01	3.421E+00	2.000E+00	8.447E+00	6.474E+00	1.311E+00
2.200E+03	3.133E+00	4.110E+01	4.400E+01	3.494E+00	2.001E+00	8.648E+00	6.624E+00	1.305E+00
2.300E+03	2.996E+00	4.327E+01	4.440E+01	3.564E+00	2.001E+00	8.851E+00	6.815E+00	1.298E+00
2.400E+03	2.870E+00	4.550E+01	4.478E+01	3.631E+00	2.002E+00	9.111E+00	7.055E+00	1.291E+00
2.500E+03	2.753E+00	4.780E+01	4.516E+01	3.695E+00	2.004E+00	9.443E+00	7.358E+00	1.282E+00
2.600E+03	2.644E+00	5.019E+01	4.554E+01	3.756E+00	2.006E+00	9.841E+00	7.734E+00	1.272E+00
2.700E+03	2.543E+00	5.270E+01	4.593E+01	3.815E+00	2.008E+00	1.038E+01	8.202E+00	1.263E+00
2.800E+03	2.448E+00	5.535E+01	4.632E+01	3.873E+00	2.012E+00	1.102E+01	8.746E+00	1.253E+00
2.900E+03	2.357E+00	5.818E+01	4.672E+01	3.931E+00	2.017E+00	1.179E+01	9.445E+00	1.244E+00
3.000E+03	2.272E+00	6.122E+01	4.714E+01	3.989E+00	2.023E+00	1.270E+01	1.024E+01	1.235E+00
3.100E+03	2.190E+00	6.450E+01	4.758E+01	4.048E+00	2.031E+00	1.377E+01	1.116E+01	1.226E+00
3.200E+03	2.111E+00	6.807E+01	4.804E+01	4.109E+00	2.041E+00	1.501E+01	1.222E+01	1.218E+00
3.300E+03	2.035E+00	7.196E+01	4.853E+01	4.174E+00	2.054E+00	1.642E+01	1.340E+01	1.209E+00
3.400E+03	1.960E+00	7.622E+01	4.904E+01	4.241E+00	2.069E+00	1.800E+01	1.472E+01	1.203E+00
3.500E+03	1.888E+00	8.090E+01	4.959E+01	4.313E+00	2.087E+00	1.974E+01	1.611E+01	1.198E+00
3.600E+03	1.817E+00	8.602E+01	5.018E+01	4.389E+00	2.108E+00	2.164E+01	1.770E+01	1.194E+00
3.700E+03	1.748E+00	9.164E+01	5.081E+01	4.470E+00	2.132E+00	2.375E+01	1.934E+01	1.192E+00
3.800E+03	1.675E+00	9.779E+01	5.147E+01	4.557E+00	2.161E+00	2.609E+01	2.106E+01	1.186E+00
3.900E+03	1.602E+00	1.045E+02	5.218E+01	4.649E+00	2.193E+00	2.868E+01	2.282E+01	1.184E+00
4.000E+03	1.546E+00	1.116E+02	5.293E+01	4.747E+00	2.230E+00	3.060E+01	2.459E+01	1.182E+00
4.100E+03	1.481E+00	1.197E+02	5.372E+01	4.850E+00	2.270E+00	3.310E+01	2.635E+01	1.185E+00
4.200E+03	1.418E+00	1.281E+02	5.455E+01	4.960E+00	2.315E+00	3.590E+01	2.804E+01	1.190E+00
4.300E+03	1.357E+00	1.372E+02	5.541E+01	5.075E+00	2.364E+00	3.781E+01	2.962E+01	1.192E+00
4.400E+03	1.297E+00	1.468E+02	5.631E+01	5.195E+00	2.417E+00	3.997E+01	3.104E+01	1.194E+00
4.500E+03	1.239E+00	1.569E+02	5.723E+01	5.321E+00	2.473E+00	4.188E+01	3.227E+01	1.197E+00
4.600E+03	1.184E+00	1.674E+02	5.817E+01	5.451E+00	2.532E+00	4.349E+01	3.374E+01	1.200E+00
4.700E+03	1.131E+00	1.777E+02	5.912E+01	5.585E+00	2.593E+00	4.472E+01	3.394E+01	1.204E+00
4.800E+03	1.082E+00	1.884E+02	6.007E+01	5.721E+00	2.656E+00	4.552E+01	3.432E+01	1.208E+00
4.900E+03	1.035E+00	2.007E+02	6.101E+01	5.860E+00	2.720E+00	4.585E+01	3.439E+01	1.212E+00
5.000E+03	9.908E-01	2.120E+02	6.194E+01	6.000E+00	2.783E+00	4.572E+01	3.413E+01	1.217E+00
5.100E+03	9.123E-01	2.342E+02	6.373E+01	6.279E+00	2.907E+00	4.416E+01	3.276E+01	1.227E+00
5.200E+03	8.454E-01	2.552E+02	6.532E+01	6.552E+00	3.021E+00	4.126E+01	3.054E+01	1.238E+00
5.300E+03	7.899E-01	2.747E+02	6.675E+01	6.813E+00	3.121E+00	3.775E+01	2.794E+01	1.249E+00
5.400E+03	7.412E-01	2.924E+02	6.801E+01	7.057E+00	3.207E+00	3.400E+01	2.544E+01	1.259E+00
5.500E+03	7.006E-01	3.085E+02	6.912E+01	7.281E+00	3.280E+00	3.140E+01	2.330E+01	1.270E+00
5.600E+03	6.656E-01	3.234E+02	7.011E+01	7.483E+00	3.341E+00	2.928E+01	2.168E+01	1.272E+00
5.700E+03	6.349E-01	3.379E+02	7.102E+01	7.665E+00	3.393E+00	2.801E+01	2.107E+01	1.272E+00
5.800E+03	6.074E-01	3.511E+02	7.187E+01	7.828E+00	3.439E+00	2.752E+01	2.058E+01	1.270E+00
5.900E+03	5.825E-01	3.646E+02	7.264E+01	7.978E+00	3.481E+00	2.706E+01	2.112E+01	1.269E+00
6.000E+03	5.595E-01	3.784E+02	7.350E+01	8.122E+00	3.521E+00	2.631E+01	2.175E+01	1.269E+00
6.100E+03	5.381E-01	3.926E+02	7.431E+01	8.264E+00	3.559E+00	2.523E+01	2.239E+01	1.264E+00
6.200E+03	5.180E-01	4.072E+02	7.512E+01	8.406E+00	3.597E+00	2.426E+01	2.307E+01	1.260E+00
6.300E+03	4.990E-01	4.224E+02	7.594E+01	8.557E+00	3.636E+00	2.319E+01	2.425E+01	1.257E+00
6.400E+03	4.811E-01	4.379E+02	7.676E+01	8.712E+00	3.674E+00	2.215E+01	2.479E+01	1.254E+00
6.500E+03	4.643E-01	4.537E+02	7.757E+01	8.874E+00	3.712E+00	2.111E+01	2.497E+01	1.257E+00
6.600E+03	4.485E-01	4.695E+02	7.838E+01	9.042E+00	3.750E+00	2.008E+01	2.472E+01	1.251E+00
6.700E+03	4.338E-01	4.850E+02	7.912E+01	9.216E+00	3.788E+00	1.919E+01	2.403E+01	1.251E+00
6.800E+03	4.199E-01	5.011E+02	7.984E+01	9.396E+00	3.819E+00	2.944E+01	2.294E+01	1.254E+00
6.900E+03	4.071E-01	5.174E+02	8.051E+01	9.581E+00	3.849E+00	2.825E+01	2.160E+01	1.275E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
9.000E+03	3.952E-01	5.279E+02	8.112E+01	9.769E+00	3.876E+00	2.647E+01	2.010E+01	1.287E+00
9.200E+03	3.843E-01	5.405E+02	8.168E+01	9.959E+00	3.900E+00	2.648E+01	1.859E+01	1.360E+00
9.400E+03	3.741E-01	5.522E+02	8.220E+01	1.015E+01	3.921E+00	2.649E+01	1.718E+01	1.414E+00
9.600E+03	3.647E-01	5.632E+02	8.267E+01	1.033E+01	3.939E+00	2.649E+01	1.595E+01	1.420E+00
9.800E+03	3.559E-01	5.735E+02	8.310E+01	1.051E+01	3.954E+00	2.649E+01	1.495E+01	1.348E+00
1.000E+04	3.476E-01	5.833E+02	8.350E+01	1.067E+01	3.967E+00	1.942E+01	1.419E+01	1.251E+00
1.100E+04	3.121E-01	6.289E+02	8.528E+01	1.130E+01	4.018E+00	1.846E+01	1.346E+01	1.259E+00
1.200E+04	2.827E-01	6.779E+02	8.697E+01	1.171E+01	4.064E+00	1.748E+01	1.269E+01	1.236E+00
1.300E+04	2.568E-01	7.307E+02	8.869E+01	1.211E+01	4.110E+00	1.649E+01	1.189E+01	1.205E+00
1.400E+04	2.330E-01	7.872E+02	9.116E+01	1.257E+01	4.226E+00	1.546E+01	1.106E+01	1.254E+00
1.500E+04	2.108E-01	8.491E+02	9.387E+01	1.312E+01	4.361E+00	1.426E+01	1.021E+01	1.288E+00
1.600E+04	1.897E-01	9.132E+02	9.767E+01	1.377E+01	4.536E+00	1.294E+01	9.257E+00	1.277E+00
1.700E+04	1.699E-01	1.182E+03	1.000E+02	1.452E+01	4.776E+00	1.159E+01	8.200E+00	1.222E+00
1.800E+04	1.516E-01	1.361E+03	1.049E+02	1.537E+01	5.052E+00	1.016E+01	7.185E+00	1.222E+00
1.900E+04	1.351E-01	1.564E+03	1.099E+02	1.630E+01	5.370E+00	8.620E+00	6.227E+00	1.255E+00
2.000E+04	1.207E-01	1.782E+03	1.139E+02	1.730E+01	5.712E+00	9.048E+00	5.466E+00	1.233E+00
2.100E+04	1.084E-01	2.006E+03	1.182E+02	1.834E+01	6.050E+00	8.922E+00	4.846E+00	1.244E+00
2.200E+04	9.816E-02	2.222E+03	1.224E+02	1.939E+01	6.385E+00	8.497E+00	4.312E+00	1.259E+00
2.300E+04	8.974E-02	2.422E+03	1.260E+02	2.042E+01	6.709E+00	7.766E+00	3.837E+00	1.277E+00
2.400E+04	8.290E-02	2.601E+03	1.291E+02	2.144E+01	6.990E+00	6.799E+00	3.476E+00	1.300E+00
2.500E+04	7.727E-02	2.759E+03	1.317E+02	2.241E+01	7.136E+00	5.924E+00	3.125E+00	1.324E+00
2.600E+04	7.260E-02	2.894E+03	1.339E+02	2.335E+01	7.305E+00	5.173E+00	2.874E+00	1.350E+00
2.700E+04	6.865E-02	3.014E+03	1.357E+02	2.422E+01	7.439E+00	4.587E+00	2.645E+00	1.374E+00
2.800E+04	6.525E-02	3.122E+03	1.373E+02	2.501E+01	7.547E+00	4.174E+00	2.447E+00	1.393E+00
2.900E+04	6.227E-02	3.221E+03	1.387E+02	2.569E+01	7.636E+00	3.828E+00	2.278E+00	1.422E+00
3.000E+04	5.960E-02	3.316E+03	1.400E+02	2.626E+01	7.711E+00	3.537E+00	2.142E+00	1.442E+00
3.100E+04	5.717E-02	3.411E+03	1.413E+02	2.672E+01	7.780E+00	3.286E+00	2.040E+00	1.452E+00
3.200E+04	5.493E-02	3.509E+03	1.425E+02	2.710E+01	7.845E+00	3.050E+00	1.964E+00	1.376E+00
3.300E+04	5.282E-02	3.612E+03	1.438E+02	2.746E+01	7.911E+00	2.825E+00	1.907E+00	1.359E+00
3.400E+04	5.082E-02	3.723E+03	1.452E+02	2.782E+01	7.980E+00	2.610E+00	1.842E+00	1.342E+00
3.500E+04	4.894E-02	3.842E+03	1.466E+02	2.823E+01	8.054E+00	2.404E+00	1.781E+00	1.330E+00
3.600E+04	4.719E-02	3.968E+03	1.480E+02	2.860E+01	8.132E+00	2.277E+00	1.724E+00	1.322E+00
3.700E+04	4.557E-02	4.101E+03	1.495E+02	2.916E+01	8.213E+00	2.146E+00	1.671E+00	1.318E+00
3.800E+04	4.407E-02	4.239E+03	1.510E+02	2.973E+01	8.296E+00	2.028E+00	1.622E+00	1.319E+00
3.900E+04	4.220E-02	4.379E+03	1.524E+02	3.032E+01	8.376E+00	1.916E+00	1.576E+00	1.322E+00
4.000E+04	4.077E-02	4.511E+03	1.538E+02	3.093E+01	8.456E+00	1.809E+00	1.531E+00	1.331E+00
4.100E+04	3.943E-02	4.642E+03	1.551E+02	3.157E+01	8.529E+00	1.706E+00	1.486E+00	1.340E+00
4.200E+04	3.819E-02	4.769E+03	1.564E+02	3.221E+01	8.596E+00	1.603E+00	1.442E+00	1.352E+00
4.300E+04	3.705E-02	4.889E+03	1.575E+02	3.284E+01	8.656E+00	1.500E+00	1.399E+00	1.363E+00
4.400E+04	3.593E-02	5.009E+03	1.586E+02	3.349E+01	8.709E+00	1.400E+00	1.358E+00	1.374E+00
4.500E+04	3.499E-02	5.111E+03	1.596E+02	3.402E+01	8.757E+00	1.302E+00	1.309E+00	1.382E+00
4.600E+04	3.408E-02	5.212E+03	1.605E+02	3.454E+01	8.800E+00	1.206E+00	1.261E+00	1.387E+00
4.700E+04	3.319E-02	5.322E+03	1.614E+02	3.501E+01	8.840E+00	1.113E+00	1.214E+00	1.388E+00
4.800E+04	3.236E-02	5.433E+03	1.623E+02	3.541E+01	8.877E+00	1.022E+00	1.168E+00	1.384E+00
4.900E+04	3.157E-02	5.537E+03	1.632E+02	3.575E+01	8.914E+00	0.931E+00	1.094E+00	1.377E+00
5.000E+04	3.081E-02	5.644E+03	1.641E+02	3.604E+01	8.951E+00	0.842E+00	1.022E+00	1.367E+00

P/PC = 3.60E+01

T	RHO/RHO-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	2.336E+01	-2.763E+00	2.530E+01	1.259E+00	1.253E+00	2.299E+01	1.765E+01	1.190E+00
6.000E+02	1.524E+01	3.473E+00	3.024E+01	1.572E+00	1.596E+00	2.793E+01	2.053E+01	1.214E+00
7.000E+02	1.128E+01	9.554E+00	3.379E+01	1.865E+00	1.849E+00	1.736E+01	1.289E+01	1.263E+00
8.000E+02	9.380E+00	1.292E+01	3.560E+01	2.091E+00	1.946E+00	1.069E+01	7.881E+00	1.322E+00
9.000E+02	8.204E+00	1.524E+01	3.671E+01	2.263E+00	1.976E+00	6.527E+00	6.233E+00	1.353E+00
1.000E+03	7.339E+00	1.725E+01	3.757E+01	2.400E+00	1.989E+00	7.885E+00	5.761E+00	1.362E+00
1.100E+03	6.655E+00	1.917E+01	3.822E+01	2.519E+00	1.994E+00	7.714E+00	5.654E+00	1.361E+00
1.200E+03	6.094E+00	2.107E+01	3.879E+01	2.620E+00	1.997E+00	7.702E+00	5.609E+00	1.358E+00
1.300E+03	5.621E+00	2.298E+01	3.941E+01	2.731E+00	1.998E+00	7.749E+00	5.730E+00	1.351E+00
1.400E+03	5.218E+00	2.490E+01	4.019E+01	2.829E+00	1.999E+00	7.820E+00	5.800E+00	1.345E+00
1.500E+03	4.869E+00	2.684E+01	4.073E+01	2.923E+00	1.999E+00	7.900E+00	5.892E+00	1.340E+00
1.600E+03	4.564E+00	2.881E+01	4.125E+01	3.013E+00	1.999E+00	7.981E+00	5.977E+00	1.336E+00
1.700E+03	4.295E+00	3.079E+01	4.178E+01	3.100E+00	1.999E+00	8.067E+00	6.063E+00	1.332E+00
1.800E+03	4.056E+00	3.280E+01	4.220E+01	3.185E+00	2.000E+00	8.155E+00	6.150E+00	1.328E+00
1.900E+03	3.843E+00	3.483E+01	4.265E+01	3.268E+00	2.000E+00	8.249E+00	6.246E+00	1.321E+00
2.000E+03	3.650E+00	3.689E+01	4.307E+01	3.345E+00	2.000E+00	8.350E+00	6.340E+00	1.316E+00
2.100E+03	3.476E+00	3.898E+01	4.349E+01	3.421E+00	2.000E+00	8.450E+00	6.440E+00	1.311E+00
2.200E+03	3.317E+00	4.110E+01	4.389E+01	3.499E+00	2.001E+00	8.549E+00	6.541E+00	1.305E+00
2.300E+03	3.172E+00	4.324E+01	4.428E+01	3.569E+00	2.001E+00	8.648E+00	6.643E+00	1.298E+00
2.400E+03	3.038E+00	4.549E+01	4.466E+01	3.631E+00	2.002E+00	8.746E+00	6.746E+00	1.291E+00
2.500E+03	2.915E+00	4.785E+01	4.503E+01	3.695E+00	2.002E+00	8.844E+00	6.849E+00	1.283E+00
2.600E+03	2.800E+00	5.017E+01	4.543E+01	3.757E+00	2.003E+00	8.942E+00	6.952E+00	1.276E+00
2.700E+03	2.693E+00	5.267E+01	4.581E+01	3.817E+00	2.003E+00	9.040E+00	7.055E+00	1.268E+00
2.800E+03	2.592E+00	5.531E+01	4.620E+01	3.875E+00	2.012E+00	9.138E+00	7.158E+00	1.259E+00
2.900E+03	2.497E+00	5.812E+01	4.660E+01	3.932E+00	2.016E+00	9.236E+00	7.261E+00	1.248E+00
3.000E+03	2.406E+00	6.113E+01	4.701E+01	3.990E+00	2.023E+00	9.334E+00	7.364E+00	1.234E+00
3.100E+03	2.320E+00	6.439E+01	4.743E+01	4.049E+00	2.030E+00	9.432E+00	7.467E+00	1.225E+00
3.200E+03	2.236E+00	6.791E+01	4.785E+01	4.110E+00	2.042E+00	9.530E+00	7.570E+00	1.217E+00
3.300E+03	2.156E+00	7.173E+01	4.828E+01	4.174E+00	2.052E+00	9.628E+00	7.673E+00	1.210E+00

TABLE I. - Continued

T	R-U/R+D-O	H/R TO	S/R	A/RO	Z	CP/R	CV/R	GAMMA
3.400E+03	2.078E+00	7.596E+01	4.889E+01	4.241E+00	2.067E+00	1.775E+01	1.450E+01	1.264E+00
3.500E+03	2.001E+00	8.057E+01	4.944E+01	4.312E+00	2.084E+00	1.945E+01	1.590E+01	1.199E+00
3.600E+03	1.927E+00	8.561E+01	5.001E+01	4.388E+00	2.105E+00	2.133E+01	1.741E+01	1.195E+00
3.700E+03	1.854E+00	9.114E+01	5.067E+01	4.468E+00	2.129E+00	2.335E+01	1.901E+01	1.193E+00
3.800E+03	1.782E+00	9.718E+01	5.128E+01	4.554E+00	2.156E+00	2.551E+01	2.069E+01	1.191E+00
3.900E+03	1.711E+00	1.038E+02	5.198E+01	4.645E+00	2.188E+00	2.778E+01	2.241E+01	1.190E+00
4.000E+03	1.642E+00	1.109E+02	5.271E+01	4.741E+00	2.223E+00	3.012E+01	2.416E+01	1.189E+00
4.100E+03	1.574E+00	1.187E+02	5.349E+01	4.844E+00	2.263E+00	3.250E+01	2.599E+01	1.189E+00
4.200E+03	1.507E+00	1.270E+02	5.430E+01	4.952E+00	2.307E+00	3.487E+01	2.794E+01	1.189E+00
4.300E+03	1.442E+00	1.359E+02	5.515E+01	5.065E+00	2.354E+00	3.717E+01	2.993E+01	1.188E+00
4.400E+03	1.379E+00	1.453E+02	5.603E+01	5.184E+00	2.406E+00	3.931E+01	3.054E+01	1.184E+00
4.500E+03	1.318E+00	1.553E+02	5.694E+01	5.309E+00	2.461E+00	4.124E+01	3.180E+01	1.157E+00
4.600E+03	1.260E+00	1.659E+02	5.787E+01	5.437E+00	2.519E+00	4.288E+01	3.281E+01	1.200E+00
4.700E+03	1.204E+00	1.764E+02	5.882E+01	5.570E+00	2.579E+00	4.417E+01	3.355E+01	1.204E+00
4.800E+03	1.152E+00	1.874E+02	5.975E+01	5.705E+00	2.641E+00	4.506E+01	3.400E+01	1.200E+00
4.900E+03	1.102E+00	1.988E+02	6.068E+01	5.843E+00	2.704E+00	4.549E+01	3.412E+01	1.212E+00
5.000E+03	1.055E+00	2.098E+02	6.160E+01	5.982E+00	2.767E+00	4.547E+01	3.394E+01	1.217E+00
5.100E+03	9.714E-01	2.319E+02	6.338E+01	6.260E+00	2.890E+00	4.414E+01	3.275E+01	1.227E+00
5.200E+03	8.998E-01	2.530E+02	6.498E+01	6.533E+00	3.005E+00	4.147E+01	3.068E+01	1.237E+00
5.300E+03	8.392E-01	2.726E+02	6.642E+01	6.794E+00	3.107E+00	3.810E+01	2.814E+01	1.248E+00
5.400E+03	7.880E-01	2.905E+02	6.770E+01	7.040E+00	3.194E+00	3.470E+01	2.570E+01	1.258E+00
5.500E+03	7.445E-01	3.068E+02	6.882E+01	7.266E+00	3.264E+00	3.176E+01	2.360E+01	1.268E+00
5.600E+03	7.069E-01	3.218E+02	6.982E+01	7.471E+00	3.311E+00	2.908E+01	2.208E+01	1.271E+00
5.700E+03	6.740E-01	3.360E+02	7.073E+01	7.655E+00	3.345E+00	2.621E+01	2.010E+01	1.157E+00
5.800E+03	6.444E-01	3.497E+02	7.159E+01	7.821E+00	3.431E+00	2.762E+01	2.009E+01	1.274E+00
5.900E+03	6.180E-01	3.633E+02	7.241E+01	7.973E+00	3.474E+00	2.769E+01	2.109E+01	1.268E+00
7.000E+03	5.936E-01	3.771E+02	7.322E+01	8.114E+00	3.514E+00	2.824E+01	2.166E+01	1.260E+00
7.200E+03	5.708E-01	3.912E+02	7.403E+01	8.240E+00	3.553E+00	2.910E+01	2.224E+01	1.255E+00
7.400E+03	5.494E-01	4.057E+02	7.484E+01	8.404E+00	3.591E+00	3.009E+01	2.331E+01	1.251E+00
7.600E+03	5.293E-01	4.208E+02	7.565E+01	8.533E+00	3.629E+00	3.102E+01	2.409E+01	1.248E+00
7.800E+03	5.104E-01	4.363E+02	7.647E+01	8.707E+00	3.667E+00	3.171E+01	2.465E+01	1.247E+00
8.000E+03	4.925E-01	4.520E+02	7.727E+01	8.867E+00	3.706E+00	3.202E+01	2.487E+01	1.248E+00
8.200E+03	4.757E-01	4.677E+02	7.806E+01	9.033E+00	3.743E+00	3.184E+01	2.498E+01	1.251E+00
8.400E+03	4.599E-01	4.833E+02	7.882E+01	9.207E+00	3.779E+00	3.115E+01	2.407E+01	1.256E+00
8.600E+03	4.453E-01	4.984E+02	7.954E+01	9.386E+00	3.813E+00	2.999E+01	2.307E+01	1.264E+00
8.800E+03	4.317E-01	5.124E+02	8.021E+01	9.569E+00	3.843E+00	2.867E+01	2.177E+01	1.268E+00
9.000E+03	4.190E-01	5.264E+02	8.085E+01	9.756E+00	3.871E+00	2.873E+01	2.031E+01	1.265E+00
9.200E+03	4.074E-01	5.391E+02	8.140E+01	9.946E+00	3.896E+00	2.695E+01	1.881E+01	1.268E+00
9.400E+03	3.965E-01	5.510E+02	8.192E+01	1.011E+01	3.917E+00	2.527E+01	1.740E+01	1.312E+00
9.600E+03	3.865E-01	5.621E+02	8.239E+01	1.032E+01	3.935E+00	2.170E+01	1.615E+01	1.326E+00
9.800E+03	3.771E-01	5.725E+02	8.283E+01	1.050E+01	3.941E+00	2.054E+01	1.512E+01	1.319E+00
1.000E+04	3.683E-01	5.824E+02	8.323E+01	1.066E+01	3.946E+00	1.958E+01	1.432E+01	1.309E+00
1.100E+04	3.308E-01	6.281E+02	8.500E+01	1.130E+01	4.014E+00	1.840E+01	1.340E+01	1.340E+00
1.200E+04	2.990E-01	6.763E+02	8.670E+01	1.172E+01	4.061E+00	1.722E+01	1.252E+01	1.325E+00
1.300E+04	2.722E-01	7.348E+02	8.860E+01	1.211E+01	4.126E+00	2.637E+01	2.030E+01	1.287E+00
1.400E+04	2.471E-01	7.991E+02	9.083E+01	1.257E+01	4.220E+00	3.404E+01	2.634E+01	1.268E+00
1.500E+04	2.237E-01	8.692E+02	9.348E+01	1.311E+01	4.351E+00	4.341E+01	3.369E+01	1.246E+00
1.600E+04	2.015E-01	1.024E+03	9.642E+01	1.375E+01	4.528E+00	5.424E+01	4.175E+01	1.258E+00
1.700E+04	1.807E-01	1.172E+03	1.000E+02	1.449E+01	4.753E+00	6.571E+01	4.991E+01	1.223E+00
1.800E+04	1.614E-01	1.348E+03	1.033E+02	1.533E+01	5.025E+00	7.650E+01	5.716E+01	1.222E+00
1.900E+04	1.440E-01	1.557E+03	1.087E+02	1.625E+01	5.336E+00	8.497E+01	6.245E+01	1.229E+00
2.000E+04	1.287E-01	1.767E+03	1.138E+02	1.724E+01	5.673E+00	8.959E+01	6.489E+01	1.232E+00
2.100E+04	1.156E-01	1.985E+03	1.187E+02	1.827E+01	6.013E+00	8.953E+01	6.411E+01	1.243E+00
2.200E+04	1.046E-01	2.201E+03	1.237E+02	1.931E+01	6.342E+00	8.511E+01	6.044E+01	1.257E+00
2.300E+04	9.564E-02	2.402E+03	1.253E+02	2.034E+01	6.637E+00	7.763E+01	5.477E+01	1.275E+00
2.400E+04	8.827E-02	2.582E+03	1.284E+02	2.135E+01	6.892E+00	6.881E+01	4.825E+01	1.257E+00
2.500E+04	8.222E-02	2.741E+03	1.310E+02	2.233E+01	7.103E+00	6.016E+01	4.188E+01	1.321E+00
2.600E+04	7.719E-02	2.880E+03	1.332E+02	2.327E+01	7.275E+00	5.250E+01	3.633E+01	1.376E+00
2.700E+04	7.295E-02	3.001E+03	1.351E+02	2.415E+01	7.413E+00	4.600E+01	3.195E+01	1.371E+00
2.800E+04	6.930E-02	3.111E+03	1.367E+02	2.495E+01	7.524E+00	4.230E+01	2.885E+01	1.390E+00
2.900E+04	6.611E-02	3.211E+03	1.381E+02	2.565E+01	7.615E+00	3.964E+01	2.701E+01	1.401E+00
3.000E+04	6.326E-02	3.307E+03	1.395E+02	2.623E+01	7.693E+00	3.693E+01	2.635E+01	1.402E+00
3.100E+04	6.067E-02	3.402E+03	1.407E+02	2.670E+01	7.763E+00	3.481E+01	2.608E+01	1.394E+00
3.200E+04	5.828E-02	3.500E+03	1.410E+02	2.710E+01	7.829E+00	3.322E+01	2.619E+01	1.379E+00
3.300E+04	5.604E-02	3.602E+03	1.432E+02	2.744E+01	7.894E+00	3.218E+01	3.033E+01	1.362E+00
3.400E+04	5.392E-02	3.711E+03	1.444E+02	2.783E+01	7.963E+00	3.093E+01	3.272E+01	1.345E+00
3.500E+04	5.191E-02	3.829E+03	1.459E+02	2.822E+01	8.030E+00	2.921E+01	3.558E+01	1.327E+00
3.600E+04	4.999E-02	3.954E+03	1.474E+02	2.867E+01	8.112E+00	2.718E+01	3.791E+01	1.324E+00
3.700E+04	4.815E-02	4.085E+03	1.488E+02	2.916E+01	8.194E+00	2.481E+01	3.950E+01	1.320E+00
3.800E+04	4.642E-02	4.221E+03	1.503E+02	2.970E+01	8.277E+00	2.200E+01	4.030E+01	1.320E+00
3.900E+04	4.479E-02	4.358E+03	1.518E+02	3.028E+01	8.354E+00	1.827E+01	4.027E+01	1.323E+00
4.000E+04	4.326E-02	4.494E+03	1.531E+02	3.089E+01	8.437E+00	1.343E+01	3.936E+01	1.330E+00
4.100E+04	4.184E-02	4.626E+03	1.545E+02	3.152E+01	8.511E+00	8.263E+00	3.766E+01	1.339E+00
4.200E+04	4.052E-02	4.753E+03	1.557E+02	3.216E+01	8.579E+00	5.000E+00	3.604E+01	1.350E+00
4.300E+04	3.930E-02	4.874E+03	1.569E+02	3.279E+01	8.640E+00	3.409E+00	3.421E+01	1.361E+00
4.400E+04	3.811E-02	4.990E+03	1.579E+02	3.340E+01	8.695E+00	2.500E+00	3.253E+01	1.372E+00
4.500E+04	3.711E-02	5.101E+03	1.590E+02	3.398E+01	8.744E+00	1.423E+00	3.118E+01	1.381E+00
4.600E+04	3.612E-02	5.209E+03	1.599E+02	3.451E+01	8.786E+00	4.304E+00	3.022E+01	1.386E+00
4.700E+04	3.519E-02	5.314E+03	1.606E+02	3.499E+01	8.822E+00	4.247E+00	2.989E+01	1.388E+00
4.800E+04	3.431E-02	5.414E+03	1.611E+02	3.546E+01	8.860E+00	4.256E+00	3.004E+01	1.389E+00
4.900E+04	3.347E-02	5.524E+03	1.626E+02	3.597E+01	8.900E+00	4.230E+00	3.073E+01	1.391E+00
5.000E+04	3.266E-02	5.633E+03	1.635E+02	3.647E+01	8.940E+00	4.466E+00	3.181E+01	1.371E+00

TABLE I. - Continued

P/PO = 3.00E+01

T	RHO/RHO-0	M/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	2.472E+C1	-2.059E+CC	2.515E+C1	1.256E+00	1.247E+00	2.259E+01	1.736E+01	1.191E+00
6.000E+02	1.620E+01	3.773E+00	3.004E+C1	1.567E+00	1.502E+00	2.794E+01	2.052E+01	1.214E+00
7.000E+02	1.195E+01	9.889E+00	3.363E+01	1.861E+00	1.812E+00	3.312E+01	2.423E+01	1.243E+00
8.000E+02	9.915E+00	1.287E+01	3.746E+01	2.052E+00	1.943E+00	3.839E+01	2.801E+01	1.270E+00
9.000E+02	8.447E+00	1.521E+01	3.860E+01	2.261E+00	1.970E+00	4.370E+01	3.211E+01	1.297E+00
1.000E+03	7.749E+00	1.724E+01	3.746E+01	2.399E+00	1.989E+00	4.912E+01	3.628E+01	1.324E+00
1.100E+03	7.026E+00	1.916E+01	3.421E+01	2.518E+00	1.994E+00	5.464E+01	4.062E+01	1.350E+00
1.200E+03	6.433E+00	2.107E+01	3.880E+01	2.628E+00	1.996E+00	6.026E+01	4.514E+01	1.376E+00
1.300E+03	5.934E+00	2.297E+01	3.950E+01	2.731E+00	1.998E+00	6.600E+01	4.982E+01	1.402E+00
1.400E+03	5.508E+00	2.490E+01	4.008E+01	2.829E+00	1.998E+00	7.182E+01	5.466E+01	1.428E+00
1.500E+03	5.140E+00	2.684E+01	4.062E+01	2.922E+00	1.997E+00	7.774E+01	5.966E+01	1.454E+00
1.600E+03	4.816E+00	2.881E+01	4.114E+01	3.013E+00	1.997E+00	8.376E+01	6.480E+01	1.480E+00
1.700E+03	4.534E+00	3.079E+01	4.163E+01	3.102E+00	1.997E+00	8.988E+01	7.008E+01	1.506E+00
1.800E+03	4.282E+00	3.280E+01	4.209E+01	3.189E+00	2.000E+00	9.610E+01	7.550E+01	1.532E+00
1.900E+03	4.058E+00	3.483E+01	4.254E+01	3.266E+00	2.000E+00	1.024E+02	8.106E+01	1.558E+00
2.000E+03	3.853E+00	3.689E+01	4.297E+01	3.345E+00	2.000E+00	1.090E+02	8.676E+01	1.584E+00
2.100E+03	3.669E+00	3.897E+01	4.338E+01	3.421E+00	2.000E+00	1.158E+02	9.260E+01	1.610E+00
2.200E+03	3.502E+00	4.109E+01	4.378E+01	3.494E+00	2.001E+00	1.228E+02	9.858E+01	1.636E+00
2.300E+03	3.362E+00	4.326E+01	4.417E+01	3.565E+00	2.001E+00	1.300E+02	1.048E+02	1.662E+00
2.400E+03	3.207E+00	4.548E+01	4.455E+01	3.632E+00	2.002E+00	1.372E+02	1.120E+02	1.688E+00
2.500E+03	3.077E+00	4.778E+01	4.493E+01	3.698E+00	2.003E+00	1.446E+02	1.194E+02	1.714E+00
2.600E+03	2.956E+00	5.015E+01	4.531E+01	3.759E+00	2.005E+00	1.522E+02	1.270E+02	1.740E+00
2.700E+03	2.844E+00	5.264E+01	4.570E+01	3.819E+00	2.006E+00	1.600E+02	1.348E+02	1.766E+00
2.800E+03	2.736E+00	5.527E+01	4.609E+01	3.876E+00	2.011E+00	1.680E+02	1.428E+02	1.792E+00
2.900E+03	2.636E+00	5.804E+01	4.648E+01	3.933E+00	2.016E+00	1.762E+02	1.510E+02	1.818E+00
3.000E+03	2.541E+00	6.095E+01	4.689E+01	3.991E+00	2.022E+00	1.846E+02	1.594E+02	1.844E+00
3.100E+03	2.449E+00	6.427E+01	4.732E+01	4.050E+00	2.030E+00	1.932E+02	1.680E+02	1.870E+00
3.200E+03	2.362E+00	6.776E+01	4.777E+01	4.111E+00	2.039E+00	2.020E+02	1.768E+02	1.896E+00
3.300E+03	2.277E+00	7.156E+01	4.825E+01	4.175E+00	2.049E+00	2.112E+02	1.858E+02	1.922E+00
3.400E+03	2.195E+00	7.572E+01	4.875E+01	4.241E+00	2.060E+00	2.206E+02	1.950E+02	1.948E+00
3.500E+03	2.115E+00	8.026E+01	4.929E+01	4.307E+00	2.072E+00	2.302E+02	2.044E+02	1.974E+00
3.600E+03	2.037E+00	8.523E+01	4.986E+01	4.376E+00	2.087E+00	2.400E+02	2.140E+02	1.999E+00
3.700E+03	1.962E+00	9.068E+01	5.046E+01	4.447E+00	2.104E+00	2.500E+02	2.238E+02	2.025E+00
3.800E+03	1.884E+00	9.662E+01	5.111E+01	4.521E+00	2.125E+00	2.600E+02	2.338E+02	2.050E+00
3.900E+03	1.810E+00	1.031E+02	5.179E+01	4.598E+00	2.152E+00	2.700E+02	2.440E+02	2.076E+00
4.000E+03	1.737E+00	1.101E+02	5.251E+01	4.679E+00	2.183E+00	2.800E+02	2.544E+02	2.102E+00
4.100E+03	1.666E+00	1.171E+02	5.328E+01	4.763E+00	2.256E+00	2.900E+02	2.650E+02	2.128E+00
4.200E+03	1.598E+00	1.259E+02	5.408E+01	4.850E+00	2.299E+00	3.000E+02	2.758E+02	2.154E+00
4.300E+03	1.528E+00	1.347E+02	5.491E+01	4.940E+00	2.346E+00	3.100E+02	2.868E+02	2.180E+00
4.400E+03	1.462E+00	1.440E+02	5.578E+01	5.034E+00	2.396E+00	3.200E+02	2.980E+02	2.206E+00
4.500E+03	1.398E+00	1.537E+02	5.667E+01	5.132E+00	2.450E+00	3.300E+02	3.104E+02	2.232E+00
4.600E+03	1.338E+00	1.640E+02	5.758E+01	5.234E+00	2.507E+00	3.400E+02	3.240E+02	2.258E+00
4.700E+03	1.278E+00	1.746E+02	5.851E+01	5.340E+00	2.566E+00	3.500E+02	3.380E+02	2.284E+00
4.800E+03	1.222E+00	1.855E+02	5.946E+01	5.450E+00	2.627E+00	3.600E+02	3.520E+02	2.310E+00
4.900E+03	1.164E+00	1.965E+02	6.037E+01	5.562E+00	2.690E+00	3.700E+02	3.670E+02	2.336E+00
5.000E+03	1.107E+00	2.077E+02	6.124E+01	5.676E+00	2.752E+00	3.800E+02	3.820E+02	2.362E+00
5.100E+03	1.031E+00	2.237E+02	6.306E+01	6.242E+00	2.875E+00	4.000E+02	4.080E+02	2.410E+00
5.200E+03	9.50E+00	2.408E+02	6.486E+01	6.515E+00	2.990E+00	4.200E+02	4.340E+02	2.458E+00
5.300E+03	8.499E+00	2.706E+02	6.661E+01	6.777E+00	3.092E+00	4.400E+02	4.600E+02	2.506E+00
5.400E+03	8.151E+00	2.886E+02	6.740E+01	7.023E+00	3.182E+00	4.600E+02	4.860E+02	2.554E+00
5.500E+03	7.465E+00	3.051E+02	6.823E+01	7.252E+00	3.257E+00	4.800E+02	5.120E+02	2.602E+00
5.600E+03	7.046E+00	3.203E+02	6.894E+01	7.459E+00	3.321E+00	5.000E+02	5.380E+02	2.650E+00
5.700E+03	7.133E+00	3.346E+02	7.046E+01	7.645E+00	3.376E+00	5.200E+02	5.640E+02	2.698E+00
5.800E+03	6.820E+00	3.484E+02	7.132E+01	7.816E+00	3.424E+00	5.400E+02	5.900E+02	2.746E+00
5.900E+03	6.537E+00	3.620E+02	7.215E+01	7.968E+00	3.467E+00	5.600E+02	6.160E+02	2.794E+00
6.000E+03	6.277E+00	3.758E+02	7.296E+01	8.116E+00	3.507E+00	5.800E+02	6.420E+02	2.842E+00
6.100E+03	6.036E+00	3.898E+02	7.376E+01	8.257E+00	3.546E+00	6.000E+02	6.680E+02	2.890E+00
6.200E+03	5.810E+00	4.043E+02	7.457E+01	8.391E+00	3.584E+00	6.200E+02	6.940E+02	2.938E+00
6.300E+03	5.597E+00	4.193E+02	7.538E+01	8.520E+00	3.622E+00	6.400E+02	7.200E+02	2.986E+00
6.400E+03	5.397E+00	4.347E+02	7.619E+01	8.642E+00	3.661E+00	6.600E+02	7.460E+02	3.034E+00
6.500E+03	5.207E+00	4.504E+02	7.699E+01	8.761E+00	3.699E+00	6.800E+02	7.720E+02	3.082E+00
6.600E+03	5.030E+00	4.661E+02	7.779E+01	8.879E+00	3.737E+00	7.000E+02	7.980E+02	3.130E+00
6.700E+03	4.863E+00	4.818E+02	7.859E+01	9.199E+00	3.773E+00	7.200E+02	8.240E+02	3.178E+00
6.800E+03	4.727E+00	4.984E+02	7.926E+01	9.376E+00	3.807E+00	7.400E+02	8.500E+02	3.226E+00
6.900E+03	4.563E+00	5.114E+02	7.994E+01	9.559E+00	3.838E+00	7.600E+02	8.760E+02	3.274E+00
7.000E+03	4.429E+00	5.250E+02	8.064E+01	9.749E+00	3.866E+00	7.800E+02	9.020E+02	3.322E+00
7.100E+03	4.305E+00	5.378E+02	8.113E+01	9.933E+00	3.891E+00	8.000E+02	9.280E+02	3.370E+00
7.200E+03	4.190E+00	5.494E+02	8.164E+01	1.012E+01	3.913E+00	8.200E+02	9.540E+02	3.418E+00
7.300E+03	4.083E+00	5.610E+02	8.214E+01	1.031E+01	3.931E+00	8.400E+02	9.800E+02	3.466E+00
7.400E+03	3.984E+00	5.716E+02	8.259E+01	1.049E+01	3.947E+00	8.600E+02	1.006E+03	3.514E+00
7.500E+03	3.890E+00	5.815E+02	8.299E+01	1.065E+01	3.961E+00	8.800E+02	1.032E+03	3.562E+00
7.600E+03	3.802E+00	5.917E+02	8.340E+01	1.110E+01	4.012E+00	9.000E+02	1.058E+03	3.610E+00
7.700E+03	3.716E+00	6.023E+02	8.381E+01	1.125E+01	4.059E+00	9.200E+02	1.084E+03	3.658E+00
7.800E+03	3.632E+00	6.131E+02	8.422E+01	1.212E+01	4.122E+00	9.400E+02	1.110E+03	3.706E+00
7.900E+03	3.548E+00	6.241E+02	8.462E+01	1.255E+01	4.213E+00	9.600E+02	1.136E+03	3.754E+00
8.000E+03	3.464E+00	6.352E+02	8.503E+01	1.311E+01	4.304E+00	9.800E+02	1.162E+03	3.802E+00
8.100E+03	3.380E+00	6.464E+02	8.544E+01	1.370E+01	4.394E+00	1.000E+03	1.188E+03	3.850E+00
8.200E+03	3.296E+00	6.578E+02	8.585E+01	1.430E+01	4.473E+00	1.020E+03	1.214E+03	3.898E+00
8.300E+03	3.212E+00	6.693E+02	8.626E+01	1.490E+01	4.552E+00	1.040E+03	1.240E+03	3.946E+00
8.400E+03	3.128E+00	6.809E+02	8.667E+01	1.550E+01	4.630E+00	1.060E+03	1.266E+03	3.994E+00
8.500E+03	3.044E+00	6.926E+02	8.708E+01	1.610E+01	4.708E+00	1.080E+03	1.292E+03	4.042E+00
8.600E+03	2.960E+00	7.044E+02	8.749E+01	1.670E+01	4.786E+00	1.100E+03	1.318E+03	4.090E+00
8.700E+03	2.876E+00	7.163E+02	8.790E+01	1.730E+01	4.864E+00	1.120E+03	1.344E+03	4.138E+00
8.800E+03	2.792E+00	7.283E+02	8.831E+01	1.790E+01	4.942E+00	1.140E+03	1.370E+03	4.186E+00
8.900E+03	2.708E+00	7.404E+02	8.872E+01	1.850E+01	5.020E+00	1.160E+03	1.396E+03	4.234E+00
9.000E+03	2.624E+00	7.526E+02	8.913E+01	1.910E+01	5.098E+00	1.180E+03	1.422E+03	4.282E+00

TABLE I. - Continued

T	RHO/RHO-U	H/LTO	S/A	A/AD	Z	CP/R	CV/R	GAMMA
2.100E+04	1.220E-01	1.505E+03	1.165E+02	1.820E+01	5.975E+00	8.911E+01	6.366E+01	1.242E+00
2.200E+04	1.112E-01	2.181E+03	1.209E+02	1.923E+01	6.300E+00	8.518E+01	6.051E+01	1.256E+00
2.300E+04	1.016E-01	2.882E+03	1.246E+02	2.027E+01	6.597E+00	7.811E+01	5.512E+01	1.273E+00
2.400E+04	9.368E-02	3.604E+03	1.277E+02	2.128E+01	6.854E+00	6.954E+01	4.877E+01	1.295E+00
2.500E+04	8.720E-02	4.345E+03	1.304E+02	2.226E+01	7.099E+00	6.097E+01	4.246E+01	1.319E+00
2.600E+04	8.181E-02	5.106E+03	1.324E+02	2.320E+01	7.245E+00	5.339E+01	3.640E+01	1.344E+00
2.700E+04	7.727E-02	5.887E+03	1.345E+02	2.408E+01	7.387E+00	4.729E+01	3.244E+01	1.368E+00
2.800E+04	7.337E-02	6.688E+03	1.361E+02	2.489E+01	7.501E+00	4.264E+01	2.922E+01	1.387E+00
2.900E+04	6.997E-02	7.509E+03	1.374E+02	2.560E+01	7.595E+00	3.831E+01	2.724E+01	1.400E+00
3.000E+04	6.693E-02	8.350E+03	1.389E+02	2.620E+01	7.675E+00	3.430E+01	2.644E+01	1.402E+00
3.100E+04	6.418E-02	9.211E+03	1.402E+02	2.669E+01	7.746E+00	3.079E+01	2.673E+01	1.395E+00
3.200E+04	6.164E-02	1.0092E+04	1.414E+02	2.709E+01	7.813E+00	2.768E+01	2.797E+01	1.381E+00
3.300E+04	5.927E-02	1.0993E+04	1.427E+02	2.746E+01	7.879E+00	2.487E+01	2.998E+01	1.361E+00
3.400E+04	5.703E-02	1.1914E+04	1.440E+02	2.783E+01	7.947E+00	2.236E+01	3.246E+01	1.348E+00
3.500E+04	5.491E-02	1.2855E+04	1.454E+02	2.822E+01	8.019E+00	2.015E+01	3.508E+01	1.335E+00
3.600E+04	5.290E-02	1.3816E+04	1.468E+02	2.864E+01	8.096E+00	1.814E+01	3.744E+01	1.324E+00
3.700E+04	5.094E-02	1.4797E+04	1.482E+02	2.914E+01	8.176E+00	1.632E+01	3.920E+01	1.321E+00
3.800E+04	4.911E-02	1.5798E+04	1.497E+02	2.966E+01	8.258E+00	1.468E+01	4.014E+01	1.320E+00
3.900E+04	4.738E-02	1.6819E+04	1.511E+02	3.025E+01	8.340E+00	1.320E+01	4.017E+01	1.323E+00
4.000E+04	4.576E-02	1.7860E+04	1.525E+02	3.085E+01	8.419E+00	1.187E+01	3.941E+01	1.330E+00
4.100E+04	4.425E-02	1.8921E+04	1.538E+02	3.147E+01	8.493E+00	1.068E+01	3.803E+01	1.338E+00
4.200E+04	4.285E-02	1.9992E+04	1.551E+02	3.211E+01	8.562E+00	9.607E+00	3.630E+01	1.349E+00
4.300E+04	4.156E-02	2.1083E+04	1.563E+02	3.276E+01	8.624E+00	8.726E+00	3.448E+01	1.360E+00
4.400E+04	4.035E-02	2.2194E+04	1.574E+02	3.344E+01	8.680E+00	7.954E+00	3.279E+01	1.370E+00
4.500E+04	3.921E-02	2.3325E+04	1.584E+02	3.414E+01	8.730E+00	7.282E+00	3.140E+01	1.379E+00
4.600E+04	3.814E-02	2.4476E+04	1.593E+02	3.486E+01	8.775E+00	6.700E+00	3.043E+01	1.386E+00
4.700E+04	3.714E-02	2.5647E+04	1.603E+02	3.559E+01	8.817E+00	6.200E+00	2.995E+01	1.388E+00
4.800E+04	3.621E-02	2.6838E+04	1.612E+02	3.633E+01	8.855E+00	5.770E+00	2.949E+01	1.388E+00
4.900E+04	3.537E-02	2.8049E+04	1.620E+02	3.708E+01	8.892E+00	5.390E+00	2.913E+01	1.381E+00
5.000E+04	3.452E-02	2.9280E+04	1.629E+02	3.786E+01	8.929E+00	5.040E+00	2.876E+01	1.372E+00

P/PO = 4.00E+01

T	RHO/RHO-U	H/LTO	S/A	A/AD	Z	CP/R	CV/R	GAMMA
5.000E+02	2.614E-07	-2.548E+00	2.502E+01	1.253E+00	1.241E+00	2.221E+01	1.708E+01	1.151E+00
6.000E+02	1.716E-01	3.617E+00	2.585E+01	1.562E+00	1.576E+00	2.742E+01	2.051E+01	1.214E+00
7.000E+02	1.262E+01	4.785E+00	3.344E+01	1.857E+00	1.836E+00	3.175E+01	1.333E+01	1.262E+00
8.000E+02	1.055E+01	5.935E+01	3.535E+01	2.086E+00	1.940E+00	3.510E+01	8.118E+00	1.318E+00
9.000E+02	8.255E+00	7.051E+01	3.649E+01	2.268E+00	1.975E+00	3.753E+01	6.328E+00	1.351E+00
1.000E+03	6.159E+00	8.123E+01	3.736E+01	2.398E+00	1.986E+00	3.938E+01	5.000E+00	1.361E+00
1.100E+03	4.739E+00	9.140E+01	3.810E+01	2.516E+00	1.994E+00	4.073E+01	3.971E+00	1.360E+00
1.200E+03	3.672E+00	1.010E+02	3.878E+01	2.628E+00	1.998E+00	4.174E+01	3.070E+00	1.356E+00
1.300E+03	2.847E+00	1.097E+02	3.940E+01	2.731E+00	1.998E+00	4.250E+01	2.335E+00	1.351E+00
1.400E+03	2.179E+00	1.174E+02	3.990E+01	2.829E+00	1.994E+00	4.304E+01	1.811E+00	1.345E+00
1.500E+03	1.641E+00	1.244E+02	4.028E+01	2.922E+00	1.989E+00	4.337E+01	1.400E+00	1.340E+00
1.600E+03	1.197E+00	1.307E+02	4.103E+01	2.999E+00	1.984E+00	4.359E+01	1.090E+00	1.335E+00
1.700E+03	8.773E+00	1.363E+02	4.152E+01	3.062E+00	1.979E+00	4.370E+01	8.000E+00	1.330E+00
1.800E+03	6.507E+00	1.412E+02	4.195E+01	3.118E+00	1.974E+00	4.371E+01	6.150E+00	1.328E+00
1.900E+03	4.978E+00	1.455E+02	4.244E+01	3.168E+00	1.969E+00	4.372E+01	4.640E+00	1.326E+00
2.000E+03	3.656E+00	1.493E+02	4.288E+01	3.214E+00	1.964E+00	4.373E+01	3.390E+00	1.324E+00
2.100E+03	2.602E+00	1.526E+02	4.334E+01	3.256E+00	1.959E+00	4.374E+01	2.400E+00	1.321E+00
2.200E+03	1.866E+00	1.555E+02	4.381E+01	3.295E+00	1.954E+00	4.375E+01	1.700E+00	1.318E+00
2.300E+03	1.395E+00	1.580E+02	4.428E+01	3.331E+00	1.949E+00	4.376E+01	1.200E+00	1.315E+00
2.400E+03	1.047E+00	1.602E+02	4.476E+01	3.365E+00	1.944E+00	4.377E+01	8.000E+00	1.312E+00
2.500E+03	7.847E+00	1.621E+02	4.525E+01	3.397E+00	1.939E+00	4.378E+01	6.070E+00	1.309E+00
2.600E+03	5.812E+00	1.637E+02	4.574E+01	3.428E+00	1.934E+00	4.379E+01	4.500E+00	1.306E+00
2.700E+03	4.297E+00	1.651E+02	4.624E+01	3.457E+00	1.929E+00	4.380E+01	3.200E+00	1.303E+00
2.800E+03	3.192E+00	1.663E+02	4.674E+01	3.485E+00	1.924E+00	4.381E+01	2.200E+00	1.300E+00
2.900E+03	2.397E+00	1.674E+02	4.724E+01	3.512E+00	1.919E+00	4.382E+01	1.500E+00	1.297E+00
3.000E+03	1.822E+00	1.684E+02	4.774E+01	3.538E+00	1.914E+00	4.383E+01	1.000E+00	1.294E+00
3.100E+03	1.377E+00	1.693E+02	4.824E+01	3.563E+00	1.909E+00	4.384E+01	700E+00	1.291E+00
3.200E+03	1.042E+00	1.701E+02	4.874E+01	3.587E+00	1.904E+00	4.385E+01	500E+00	1.288E+00
3.300E+03	7.847E+00	1.708E+02	4.924E+01	3.610E+00	1.900E+00	4.386E+01	350E+00	1.285E+00
3.400E+03	5.812E+00	1.715E+02	4.974E+01	3.632E+00	1.895E+00	4.387E+01	250E+00	1.282E+00
3.500E+03	4.297E+00	1.721E+02	5.024E+01	3.653E+00	1.891E+00	4.388E+01	180E+00	1.279E+00
3.600E+03	3.192E+00	1.727E+02	5.074E+01	3.674E+00	1.886E+00	4.389E+01	130E+00	1.276E+00
3.700E+03	2.397E+00	1.732E+02	5.124E+01	3.694E+00	1.882E+00	4.390E+01	100E+00	1.273E+00
3.800E+03	1.822E+00	1.737E+02	5.174E+01	3.714E+00	1.878E+00	4.391E+01	70E+00	1.270E+00
3.900E+03	1.377E+00	1.742E+02	5.224E+01	3.734E+00	1.874E+00	4.392E+01	50E+00	1.267E+00
4.000E+03	1.042E+00	1.747E+02	5.274E+01	3.754E+00	1.870E+00	4.393E+01	35E+00	1.264E+00
4.100E+03	7.847E+00	1.752E+02	5.324E+01	3.774E+00	1.866E+00	4.394E+01	25E+00	1.261E+00
4.200E+03	5.812E+00	1.757E+02	5.374E+01	3.794E+00	1.862E+00	4.395E+01	18E+00	1.258E+00
4.300E+03	4.297E+00	1.762E+02	5.424E+01	3.814E+00	1.858E+00	4.396E+01	13E+00	1.255E+00
4.400E+03	3.192E+00	1.767E+02	5.474E+01	3.834E+00	1.854E+00	4.397E+01	10E+00	1.252E+00
4.500E+03	2.397E+00	1.772E+02	5.524E+01	3.854E+00	1.850E+00	4.398E+01	7E+00	1.249E+00
4.600E+03	1.822E+00	1.777E+02	5.574E+01	3.874E+00	1.846E+00	4.399E+01	5E+00	1.246E+00
4.700E+03	1.377E+00	1.782E+02	5.624E+01	3.894E+00	1.842E+00	4.400E+01	3E+00	1.243E+00
4.800E+03	1.042E+00	1.787E+02	5.674E+01	3.914E+00	1.838E+00	4.401E+01	2E+00	1.240E+00
4.900E+03	7.847E+00	1.792E+02	5.724E+01	3.934E+00	1.834E+00	4.402E+01	1E+00	1.237E+00
5.000E+03	5.812E+00	1.797E+02	5.774E+01	3.954E+00	1.830E+00	4.403E+01	0E+00	1.234E+00

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE I. - Continued

T	RH/RHO	H/RHO	S/R	A/R	Z	CP/R	CV/R	GAMMA
4.900E+03	1.237E+00	1.946E+02	6.007E+01	5.811E+00	2.676E+00	4.477E+01	3.343E+01	1.212E+00
5.000E+03	1.185E+00	2.037E+02	6.058E+01	5.949E+00	2.738E+00	4.495E+01	3.359E+01	1.218E+00
5.200E+03	1.091E+00	2.277E+02	6.273E+01	6.225E+00	2.806E+00	4.468E+01	3.288E+01	1.226E+00
5.400E+03	1.010E+00	2.488E+02	6.435E+01	6.497E+00	2.975E+00	4.178E+01	3.088E+01	1.238E+00
5.600E+03	9.408E-01	2.687E+02	6.581E+01	6.760E+00	3.079E+00	3.868E+01	2.856E+01	1.247E+00
5.800E+03	8.825E-01	2.876E+02	6.711E+01	7.008E+00	3.169E+00	3.539E+01	2.617E+01	1.257E+00
6.000E+03	8.328E-01	3.035E+02	6.826E+01	7.238E+00	3.246E+00	3.246E+01	2.405E+01	1.265E+00
6.200E+03	7.901E-01	3.189E+02	6.929E+01	7.447E+00	3.312E+00	3.015E+01	2.245E+01	1.271E+00
6.400E+03	7.527E-01	3.333E+02	7.021E+01	7.638E+00	3.368E+00	2.802E+01	2.143E+01	1.273E+00
6.600E+03	7.195E-01	3.472E+02	7.107E+01	7.806E+00	3.417E+00	2.785E+01	2.099E+01	1.271E+00
6.800E+03	6.895E-01	3.604E+02	7.190E+01	7.962E+00	3.460E+00	2.773E+01	2.106E+01	1.268E+00
7.000E+03	6.620E-01	3.735E+02	7.271E+01	8.109E+00	3.501E+00	2.813E+01	2.151E+01	1.262E+00
7.200E+03	6.365E-01	3.868E+02	7.351E+01	8.253E+00	3.540E+00	2.868E+01	2.222E+01	1.257E+00
7.400E+03	6.126E-01	4.003E+02	7.431E+01	8.397E+00	3.578E+00	2.980E+01	2.303E+01	1.253E+00
7.600E+03	5.902E-01	4.139E+02	7.512E+01	8.544E+00	3.617E+00	3.070E+01	2.386E+01	1.249E+00
7.800E+03	5.690E-01	4.275E+02	7.592E+01	8.697E+00	3.655E+00	3.143E+01	2.499E+01	1.246E+00
8.000E+03	5.491E-01	4.414E+02	7.672E+01	8.855E+00	3.693E+00	3.182E+01	2.649E+01	1.246E+00
8.200E+03	5.303E-01	4.559E+02	7.751E+01	9.020E+00	3.731E+00	3.177E+01	2.841E+01	1.251E+00
8.400E+03	5.127E-01	4.701E+02	7.827E+01	9.191E+00	3.770E+00	3.123E+01	2.913E+01	1.256E+00
8.600E+03	4.963E-01	4.851E+02	7.899E+01	9.367E+00	3.801E+00	3.022E+01	2.325E+01	1.263E+00
8.800E+03	4.810E-01	5.009E+02	7.967E+01	9.548E+00	3.833E+00	2.883E+01	2.206E+01	1.272E+00
9.000E+03	4.674E-01	5.176E+02	8.030E+01	9.734E+00	3.861E+00	2.719E+01	2.067E+01	1.283E+00
9.200E+03	4.557E-01	5.366E+02	8.088E+01	9.921E+00	3.888E+00	2.545E+01	1.921E+01	1.295E+00
9.400E+03	4.451E-01	5.567E+02	8.141E+01	1.011E+01	3.909E+00	2.377E+01	1.780E+01	1.308E+00
9.600E+03	4.362E-01	5.780E+02	8.189E+01	1.029E+01	3.928E+00	2.224E+01	1.652E+01	1.322E+00
9.800E+03	4.297E-01	6.005E+02	8.234E+01	1.047E+01	3.944E+00	2.054E+01	1.546E+01	1.337E+00
1.000E+04	4.248E-01	6.247E+02	8.275E+01	1.064E+01	3.958E+00	1.991E+01	1.458E+01	1.346E+00
1.100E+04	4.207E-01	6.507E+02	8.313E+01	1.130E+01	4.010E+00	1.833E+01	1.333E+01	1.362E+00
1.200E+04	4.173E-01	6.784E+02	8.342E+01	1.173E+01	4.057E+00	1.683E+01	1.250E+01	1.336E+00
1.300E+04	4.145E-01	7.077E+02	8.368E+01	1.212E+01	4.119E+00	1.546E+01	1.197E+01	1.291E+00
1.400E+04	4.122E-01	7.385E+02	8.393E+01	1.257E+01	4.208E+00	1.426E+01	1.162E+01	1.242E+00
1.500E+04	4.104E-01	7.709E+02	8.415E+01	1.310E+01	4.333E+00	1.319E+01	1.142E+01	1.202E+00
1.600E+04	4.091E-01	8.050E+02	8.434E+01	1.372E+01	4.501E+00	1.229E+01	1.028E+01	1.130E+00
1.700E+04	4.082E-01	8.408E+02	8.450E+01	1.444E+01	4.715E+00	1.164E+01	9.24E+00	1.049E+00
1.800E+04	4.078E-01	8.784E+02	8.463E+01	1.526E+01	4.975E+00	1.114E+01	8.544E+00	1.223E+00
1.900E+04	4.077E-01	9.177E+02	8.473E+01	1.615E+01	5.275E+00	1.079E+01	8.093E+00	1.225E+00
2.000E+04	4.078E-01	9.597E+02	8.480E+01	1.712E+01	5.602E+00	1.057E+01	7.877E+00	1.231E+00
2.100E+04	4.080E-01	1.004E+03	8.484E+01	1.813E+01	5.937E+00	1.046E+01	7.859E+00	1.241E+00
2.200E+04	4.083E-01	1.053E+03	8.486E+01	1.918E+01	6.261E+00	1.045E+01	7.959E+00	1.256E+00
2.300E+04	4.087E-01	1.105E+03	8.487E+01	2.039E+01	6.559E+00	1.051E+01	8.055E+00	1.272E+00
2.400E+04	4.091E-01	1.161E+03	8.487E+01	2.176E+01	6.818E+00	1.062E+01	8.244E+00	1.287E+00
2.500E+04	4.095E-01	1.221E+03	8.487E+01	2.328E+01	7.037E+00	1.076E+01	8.386E+00	1.301E+00
2.600E+04	4.099E-01	1.285E+03	8.487E+01	2.496E+01	7.218E+00	1.091E+01	8.549E+00	1.314E+00
2.700E+04	4.103E-01	1.353E+03	8.487E+01	2.679E+01	7.361E+00	1.107E+01	8.720E+00	1.326E+00
2.800E+04	4.107E-01	1.425E+03	8.487E+01	2.878E+01	7.476E+00	1.124E+01	8.896E+00	1.337E+00
2.900E+04	4.111E-01	1.501E+03	8.487E+01	3.093E+01	7.576E+00	1.141E+01	9.078E+00	1.348E+00
3.000E+04	4.115E-01	1.581E+03	8.487E+01	3.325E+01	7.672E+00	1.158E+01	9.264E+00	1.358E+00
3.100E+04	4.119E-01	1.665E+03	8.487E+01	3.574E+01	7.755E+00	1.175E+01	9.454E+00	1.368E+00
3.200E+04	4.123E-01	1.753E+03	8.487E+01	3.839E+01	7.827E+00	1.192E+01	9.648E+00	1.378E+00
3.300E+04	4.127E-01	1.845E+03	8.487E+01	4.120E+01	7.890E+00	1.209E+01	9.846E+00	1.388E+00
3.400E+04	4.131E-01	1.941E+03	8.487E+01	4.416E+01	7.944E+00	1.226E+01	1.004E+01	1.398E+00
3.500E+04	4.135E-01	2.041E+03	8.487E+01	4.728E+01	7.990E+00	1.243E+01	1.024E+01	1.408E+00
3.600E+04	4.139E-01	2.145E+03	8.487E+01	5.056E+01	8.029E+00	1.260E+01	1.044E+01	1.418E+00
3.700E+04	4.143E-01	2.253E+03	8.487E+01	5.400E+01	8.061E+00	1.277E+01	1.064E+01	1.428E+00
3.800E+04	4.147E-01	2.365E+03	8.487E+01	5.760E+01	8.087E+00	1.294E+01	1.084E+01	1.438E+00
3.900E+04	4.151E-01	2.481E+03	8.487E+01	6.136E+01	8.108E+00	1.311E+01	1.104E+01	1.448E+00
4.000E+04	4.155E-01	2.601E+03	8.487E+01	6.528E+01	8.124E+00	1.328E+01	1.124E+01	1.458E+00
4.100E+04	4.159E-01	2.725E+03	8.487E+01	6.936E+01	8.136E+00	1.345E+01	1.144E+01	1.468E+00
4.200E+04	4.163E-01	2.853E+03	8.487E+01	7.360E+01	8.144E+00	1.362E+01	1.164E+01	1.478E+00
4.300E+04	4.167E-01	2.985E+03	8.487E+01	7.800E+01	8.149E+00	1.379E+01	1.184E+01	1.488E+00
4.400E+04	4.171E-01	3.121E+03	8.487E+01	8.256E+01	8.152E+00	1.396E+01	1.204E+01	1.498E+00
4.500E+04	4.175E-01	3.261E+03	8.487E+01	8.728E+01	8.153E+00	1.413E+01	1.224E+01	1.508E+00
4.600E+04	4.179E-01	3.405E+03	8.487E+01	9.216E+01	8.153E+00	1.430E+01	1.244E+01	1.518E+00
4.700E+04	4.183E-01	3.553E+03	8.487E+01	9.720E+01	8.152E+00	1.447E+01	1.264E+01	1.528E+00
4.800E+04	4.187E-01	3.705E+03	8.487E+01	1.024E+02	8.150E+00	1.464E+01	1.284E+01	1.538E+00
4.900E+04	4.191E-01	3.861E+03	8.487E+01	1.078E+02	8.147E+00	1.481E+01	1.304E+01	1.548E+00
5.000E+04	4.195E-01	4.021E+03	8.487E+01	1.134E+02	8.143E+00	1.498E+01	1.324E+01	1.558E+00

P/RHO = 4.20E+01

T	RH/RHO	H/RHO	S/R	A/R	Z	CP/R	CV/R	GAMMA
7.300E+02	2.757E+01	1.031E+00	2.44E+01	1.251E+00	1.236E+00	2.105E+01	1.003E+01	1.141E+00
7.400E+02	1.812E+01	9.470E+00	2.46E+01	1.257E+00	1.266E+00	2.789E+01	2.046E+01	1.211E+00
7.500E+02	1.131E+01	8.204E+00	2.48E+01	1.262E+00	1.305E+00	3.482E+01	3.090E+01	1.281E+00
7.600E+02	7.199E+00	7.280E+00	2.50E+01	1.268E+00	1.344E+00	4.175E+01	4.134E+01	1.351E+00
7.700E+02	4.767E+00	6.597E+00	2.52E+01	1.274E+00	1.383E+00	4.868E+01	5.178E+01	1.421E+00
1.100E+03	3.074E+00	6.122E+00	2.54E+01	1.280E+00	1.422E+00	5.561E+01	6.222E+01	1.491E+00
1.200E+03	1.907E+00	5.794E+00	2.56E+01	1.286E+00	1.461E+00	6.254E+01	7.266E+01	1.561E+00
1.300E+03	1.131E+00	5.519E+00	2.58E+01	1.292E+00	1.500E+00	6.947E+01	8.310E+01	1.631E+00
1.400E+03	7.111E+00	5.244E+00	2.60E+01	1.298E+00	1.539E+00	7.640E+01	9.354E+01	1.701E+00

TABLE I. - Continued

T	KHU/RHU-D	H/RTU	S/K	A/AD	Z	CP/R	CV/R	GAMMA
1.300E+03	6.559E+00	2.297E+01	3.930E+01	2.730E+00	1.997E+00	7.759E+00	5.738E+00	1.351E+00
1.400E+03	6.078E+00	2.490E+01	3.988E+01	2.828E+00	1.998E+00	7.826E+00	5.812E+00	1.345E+00
1.500E+03	5.681E+00	2.684E+01	4.042E+01	2.922E+00	1.999E+00	7.903E+00	5.894E+00	1.340E+00
1.600E+03	5.325E+00	2.881E+01	4.094E+01	3.013E+00	1.999E+00	7.985E+00	5.978E+00	1.335E+00
1.700E+03	5.011E+00	3.079E+01	4.143E+01	3.100E+00	1.999E+00	8.068E+00	6.063E+00	1.330E+00
1.800E+03	4.733E+00	3.280E+01	4.189E+01	3.185E+00	1.999E+00	8.154E+00	6.150E+00	1.326E+00
1.900E+03	4.483E+00	3.483E+01	4.234E+01	3.268E+00	2.000E+00	8.246E+00	6.241E+00	1.321E+00
2.000E+03	4.259E+00	3.689E+01	4.277E+01	3.345E+00	2.000E+00	8.330E+00	6.324E+00	1.316E+00
2.100E+03	4.055E+00	3.897E+01	4.318E+01	3.421E+00	2.000E+00	8.412E+00	6.405E+00	1.311E+00
2.200E+03	3.87CE+00	4.109E+01	4.358E+01	3.495E+00	2.000E+00	8.492E+00	6.482E+00	1.306E+00
2.300E+03	3.701E+00	4.325E+01	4.397E+01	3.565E+00	2.001E+00	8.571E+00	6.558E+00	1.301E+00
2.400E+03	3.545E+00	4.546E+01	4.435E+01	3.633E+00	2.002E+00	8.650E+00	6.635E+00	1.296E+00
2.500E+03	3.401E+00	4.775E+01	4.473E+01	3.697E+00	2.003E+00	8.728E+00	6.712E+00	1.291E+00
2.600E+03	3.268E+00	5.011E+01	4.511E+01	3.759E+00	2.005E+00	8.806E+00	6.789E+00	1.286E+00
2.700E+03	3.143E+00	5.259E+01	4.549E+01	3.819E+00	2.007E+00	8.884E+00	6.866E+00	1.281E+00
2.800E+03	3.025E+00	5.519E+01	4.587E+01	3.878E+00	2.011E+00	8.962E+00	6.943E+00	1.276E+00
2.900E+03	2.915E+00	5.795E+01	4.627E+01	3.936E+00	2.015E+00	9.040E+00	7.020E+00	1.271E+00
3.000E+03	2.810E+00	6.090E+01	4.667E+01	3.994E+00	2.021E+00	9.118E+00	7.097E+00	1.266E+00
3.100E+03	2.709E+00	6.407E+01	4.709E+01	4.052E+00	2.028E+00	9.196E+00	7.175E+00	1.261E+00
3.200E+03	2.613E+00	6.750E+01	4.754E+01	4.113E+00	2.037E+00	9.274E+00	7.253E+00	1.256E+00
3.300E+03	2.520E+00	7.123E+01	4.800E+01	4.176E+00	2.048E+00	9.352E+00	7.331E+00	1.251E+00
3.400E+03	2.430E+00	7.528E+01	4.849E+01	4.242E+00	2.062E+00	9.430E+00	7.409E+00	1.246E+00
3.500E+03	2.342E+00	7.971E+01	4.902E+01	4.311E+00	2.078E+00	9.508E+00	7.487E+00	1.241E+00
3.600E+03	2.256E+00	8.456E+01	4.957E+01	4.385E+00	2.097E+00	9.586E+00	7.565E+00	1.236E+00
3.700E+03	2.172E+00	8.983E+01	5.016E+01	4.463E+00	2.119E+00	9.664E+00	7.643E+00	1.231E+00
3.800E+03	2.090E+00	9.562E+01	5.078E+01	4.544E+00	2.145E+00	9.742E+00	7.721E+00	1.226E+00
3.900E+03	2.009E+00	1.019E+02	5.145E+01	4.634E+00	2.174E+00	9.820E+00	7.800E+00	1.221E+00
4.000E+03	1.929E+00	1.087E+02	5.215E+01	4.728E+00	2.207E+00	9.898E+00	7.878E+00	1.216E+00
4.100E+03	1.851E+00	1.161E+02	5.294E+01	4.827E+00	2.246E+00	9.976E+00	7.956E+00	1.211E+00
4.200E+03	1.775E+00	1.240E+02	5.366E+01	4.931E+00	2.295E+00	1.005E+01	8.034E+00	1.206E+00
4.300E+03	1.700E+00	1.325E+02	5.447E+01	5.041E+00	2.330E+00	1.014E+01	8.112E+00	1.201E+00
4.400E+03	1.628E+00	1.415E+02	5.531E+01	5.156E+00	2.374E+00	1.023E+01	8.190E+00	1.196E+00
4.500E+03	1.558E+00	1.510E+02	5.618E+01	5.277E+00	2.430E+00	1.032E+01	8.268E+00	1.191E+00
4.600E+03	1.490E+00	1.610E+02	5.707E+01	5.401E+00	2.485E+00	1.041E+01	8.346E+00	1.186E+00
4.700E+03	1.423E+00	1.713E+02	5.797E+01	5.530E+00	2.543E+00	1.050E+01	8.424E+00	1.181E+00
4.800E+03	1.364E+00	1.820E+02	5.888E+01	5.662E+00	2.602E+00	1.059E+01	8.502E+00	1.176E+00
4.900E+03	1.305E+00	1.928E+02	5.979E+01	5.797E+00	2.663E+00	1.068E+01	8.580E+00	1.171E+00
5.000E+03	1.250E+00	2.038E+02	6.069E+01	5.934E+00	2.725E+00	1.077E+01	8.658E+00	1.166E+00
5.100E+03	1.191E+00	2.257E+02	6.244E+01	6.209E+00	2.846E+00	1.086E+01	8.736E+00	1.161E+00
5.200E+03	1.135E+00	2.469E+02	6.406E+01	6.481E+00	2.962E+00	1.095E+01	8.814E+00	1.156E+00
5.300E+03	1.081E+00	2.686E+02	6.553E+01	6.744E+00	3.066E+00	1.104E+01	8.892E+00	1.151E+00
5.400E+03	1.029E+00	2.851E+02	6.684E+01	6.993E+00	3.157E+00	1.113E+01	8.970E+00	1.146E+00
5.500E+03	0.977E+00	3.020E+02	6.795E+01	7.224E+00	3.236E+00	1.122E+01	9.048E+00	1.141E+00
5.600E+03	0.927E+00	3.175E+02	6.902E+01	7.435E+00	3.302E+00	1.131E+01	9.126E+00	1.136E+00
5.700E+03	0.877E+00	3.320E+02	6.996E+01	7.627E+00	3.359E+00	1.140E+01	9.204E+00	1.131E+00
5.800E+03	0.829E+00	3.459E+02	7.083E+01	7.799E+00	3.409E+00	1.149E+01	9.282E+00	1.126E+00
5.900E+03	0.782E+00	3.590E+02	7.166E+01	7.957E+00	3.453E+00	1.158E+01	9.360E+00	1.121E+00
6.000E+03	0.737E+00	3.733E+02	7.247E+01	8.105E+00	3.495E+00	1.167E+01	9.438E+00	1.116E+00
6.100E+03	0.694E+00	3.873E+02	7.327E+01	8.249E+00	3.534E+00	1.176E+01	9.516E+00	1.111E+00
6.200E+03	0.643E+00	4.017E+02	7.407E+01	8.393E+00	3.573E+00	1.185E+01	9.594E+00	1.106E+00
6.300E+03	0.602E+00	4.166E+02	7.487E+01	8.540E+00	3.611E+00	1.194E+01	9.672E+00	1.101E+00
6.400E+03	0.594E+00	4.318E+02	7.567E+01	8.692E+00	3.649E+00	1.203E+01	9.750E+00	1.096E+00
6.500E+03	0.577E+00	4.474E+02	7.647E+01	8.850E+00	3.687E+00	1.212E+01	9.828E+00	1.091E+00
6.600E+03	0.577E+00	4.630E+02	7.725E+01	9.014E+00	3.725E+00	1.221E+01	9.906E+00	1.086E+00
6.700E+03	0.541E+00	4.786E+02	7.801E+01	9.183E+00	3.761E+00	1.230E+01	9.984E+00	1.081E+00
6.800E+03	0.5218E-01	4.937E+02	7.874E+01	9.359E+00	3.796E+00	1.239E+01	1.006E+01	1.076E+00
6.900E+03	0.5057E-01	5.084E+02	7.942E+01	9.539E+00	3.827E+00	1.248E+01	1.014E+01	1.071E+00
7.000E+03	0.4908E-01	5.223E+02	8.005E+01	9.723E+00	3.856E+00	1.257E+01	1.022E+01	1.066E+00
7.100E+03	0.4769E-01	5.353E+02	8.066E+01	9.910E+00	3.882E+00	1.266E+01	1.030E+01	1.061E+00
7.200E+03	0.4641E-01	5.476E+02	8.117E+01	1.010E+01	3.905E+00	1.275E+01	1.038E+01	1.056E+00
7.300E+03	0.4521E-01	5.590E+02	8.166E+01	1.028E+01	3.924E+00	1.284E+01	1.046E+01	1.051E+00
7.400E+03	0.441CE-01	5.698E+02	8.211E+01	1.046E+01	3.941E+00	1.293E+01	1.054E+01	1.046E+00
7.500E+03	0.4306E-01	5.799E+02	8.252E+01	1.063E+01	3.956E+00	1.302E+01	1.062E+01	1.041E+00
7.600E+03	0.4206E-01	5.891E+02	8.283E+01	1.080E+01	3.969E+00	1.311E+01	1.070E+01	1.036E+00
7.700E+03	0.4111E-01	5.975E+02	8.314E+01	1.100E+01	3.981E+00	1.320E+01	1.078E+01	1.031E+00
7.800E+03	0.4021E-01	6.052E+02	8.345E+01	1.121E+01	3.992E+00	1.329E+01	1.086E+01	1.026E+00
7.900E+03	0.3935E-01	6.123E+02	8.376E+01	1.143E+01	4.003E+00	1.338E+01	1.094E+01	1.021E+00
8.000E+03	0.3853E-01	6.188E+02	8.407E+01	1.165E+01	4.013E+00	1.347E+01	1.102E+01	1.016E+00
8.100E+03	0.3775E-01	6.248E+02	8.438E+01	1.188E+01	4.023E+00	1.356E+01	1.110E+01	1.011E+00
8.200E+03	0.3701E-01	6.303E+02	8.469E+01	1.212E+01	4.032E+00	1.365E+01	1.118E+01	1.006E+00
8.300E+03	0.3630E-01	6.353E+02	8.499E+01	1.237E+01	4.041E+00	1.374E+01	1.126E+01	1.001E+00
8.400E+03	0.3562E-01	6.400E+02	8.529E+01	1.262E+01	4.050E+00	1.383E+01	1.134E+01	9.96E-00
8.500E+03	0.3497E-01	6.443E+02	8.559E+01	1.288E+01	4.058E+00	1.392E+01	1.142E+01	9.91E-00
8.600E+03	0.3435E-01	6.482E+02	8.589E+01	1.315E+01	4.066E+00	1.401E+01	1.150E+01	9.86E-00
8.700E+03	0.3375E-01	6.518E+02	8.619E+01	1.342E+01	4.074E+00	1.410E+01	1.158E+01	9.81E-00
8.800E+03	0.3318E-01	6.551E+02	8.649E+01	1.370E+01	4.082E+00	1.419E+01	1.166E+01	9.76E-00
8.900E+03	0.3263E-01	6.581E+02	8.679E+01	1.398E+01	4.090E+00	1.428E+01	1.174E+01	9.71E-00
9.000E+03	0.3210E-01	6.609E+02	8.709E+01	1.427E+01	4.098E+00	1.437E+01	1.182E+01	9.66E-00
9.100E+03	0.3159E-01	6.635E+02	8.739E+01	1.456E+01	4.106E+00	1.446E+01	1.190E+01	9.61E-00
9.200E+03	0.3110E-01	6.659E+02	8.769E+01	1.486E+01	4.114E+00	1.455E+01	1.198E+01	9.56E-00
9.300E+03	0.3063E-01	6.681E+02	8.799E+01	1.516E+01	4.122E+00	1.464E+01	1.206E+01	9.51E-00
9.400E+03	0.3018E-01	6.702E+02	8.829E+01	1.547E+01	4.130E+00	1.473E+01	1.214E+01	9.46E-00
9.500E+03	0.2975E-01	6.721E+02	8.859E+01	1.578E+01	4.138E+00	1.482E+01	1.222E+01	9.41E-00
9.600E+03	0.2933E-01	6.739E+02	8.889E+01	1.610E+01	4.146E+00	1.491E+01	1.230E+01	9.36E-00
9.700E+03	0.2893E-01	6.756E+02	8.919E+01	1.642E+01	4.154E+00	1.500E+01	1.238E+01	9.31E-00
9.800E+03	0.2854E-01	6.772E+02	8.949E+01	1.675E+01	4.162E+00	1.509E+01	1.246E+01	9.26E-00
9.900E+03	0.2816E-01	6.787E+02	8.979E+01	1.708E+01	4.170E+00	1.518E+01	1.254E+01	9.21E-00
1.000E+04	0.2780E-01	6.802E+02	9.009E+01	1.742E+01	4.178E+00	1.527E+01	1.262E+01	9.16E-00
1.100E+04	0.2745E-01	6.816E+02	9.039E+01	1.777E+01	4.186E+00	1.536E+01	1.270E+01	9.11E-00
1.200E+04	0.2711E-01	6.829E+02	9.069E+01	1.812E+01	4.194E+00	1.545E+01	1.278E+01	9.06E-00
1.300E+04	0.2678E-01	6.842E+02	9.099E+01	1.848E+01	4.202E+00	1.554E+01	1.286E+01	9.01E-00
1.400E+04	0.2646E-01	6.855E+02	9.129E+01	1.885E+01	4.210E+00	1.563E+01	1.294E+01	8.96E-00
1.500E+04	0.2615E-01	6.867E+02	9.159E+01	1.922E+01	4.218E+00	1.572E+01	1.302E+01	8.91E-00
1.600E+04	0.2							

TABLE I. - Continued

T	K1/Z	M/A1	S/R	A/A1	Z	CP/R	CV/R	GAMMA
3.500E+04	6.092E-02	3.794E+03	1.443E+02	2.821E+01	7.988E+00	4.759E+01	3.419E+01	1.339E+00
3.600E+04	5.868E-02	3.915E+03	1.457E+02	2.864E+01	8.063E+00	5.058E+01	3.654E+01	1.329E+00
3.700E+04	5.654E-02	4.043E+03	1.471E+02	2.911E+01	8.142E+00	5.302E+01	3.846E+01	1.323E+00
3.800E+04	5.451E-02	4.176E+03	1.486E+02	2.963E+01	8.223E+00	5.458E+01	3.961E+01	1.322E+00
3.900E+04	5.259E-02	4.311E+03	1.500E+02	3.019E+01	8.305E+00	5.509E+01	3.992E+01	1.324E+00
4.000E+04	5.079E-02	4.447E+03	1.514E+02	3.078E+01	8.384E+00	5.457E+01	3.943E+01	1.329E+00
4.100E+04	4.911E-02	4.580E+03	1.527E+02	3.139E+01	8.460E+00	5.321E+01	3.828E+01	1.337E+00
4.200E+04	4.754E-02	4.708E+03	1.540E+02	3.202E+01	8.530E+00	5.129E+01	3.671E+01	1.346E+00
4.300E+04	4.609E-02	4.832E+03	1.551E+02	3.265E+01	8.595E+00	4.913E+01	3.497E+01	1.357E+00
4.400E+04	4.474E-02	4.951E+03	1.562E+02	3.327E+01	8.653E+00	4.700E+01	3.328E+01	1.368E+00
4.500E+04	4.348E-02	5.064E+03	1.573E+02	3.386E+01	8.705E+00	4.514E+01	3.183E+01	1.377E+00
4.600E+04	4.231E-02	5.174E+03	1.583E+02	3.441E+01	8.752E+00	4.372E+01	3.073E+01	1.384E+00
4.700E+04	4.121E-02	5.280E+03	1.592E+02	3.492E+01	8.795E+00	4.283E+01	3.009E+01	1.388E+00
4.800E+04	4.017E-02	5.385E+03	1.601E+02	3.537E+01	8.834E+00	4.256E+01	2.994E+01	1.388E+00
4.900E+04	3.918E-02	5.491E+03	1.610E+02	3.576E+01	8.872E+00	4.290E+01	3.030E+01	1.383E+00
5.000E+04	3.824E-02	5.598E+03	1.618E+02	3.610E+01	8.909E+00	4.385E+01	3.115E+01	1.376E+00

P/F0 = 4.40E+01

T	RHC/RMO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	2.701E+01	-3.109E+00	2.477E+01	1.248E+00	1.230E+00	2.152E+01	1.659E+01	1.152E+00
6.000E+02	1.404E+01	3.324E+00	2.951E+01	1.552E+00	1.558E+00	2.785E+01	2.044E+01	1.213E+00
7.000E+02	1.394E+01	9.185E+00	3.319E+01	1.848E+00	1.824E+00	1.853E+01	1.372E+01	1.259E+00
8.000E+02	1.153E+01	1.274E+01	3.512E+01	2.000E+00	1.935E+00	1.131E+01	8.346E+00	1.315E+00
9.000E+02	1.005E+01	1.515E+01	3.628E+01	2.257E+00	1.973E+00	8.777E+00	6.421E+00	1.349E+00
1.000E+03	8.480E+00	1.721E+01	3.716E+01	2.397E+00	1.987E+00	1.987E+00	7.990E+00	1.360E+00
1.100E+03	8.139E+00	1.914E+01	3.791E+01	2.517E+00	1.993E+00	7.762E+00	5.689E+00	1.366E+00
1.200E+03	7.450E+00	2.106E+01	3.858E+01	2.627E+00	1.996E+00	7.726E+00	5.687E+00	1.356E+00
1.300E+03	6.872E+00	2.297E+01	3.921E+01	2.730E+00	1.997E+00	7.763E+00	5.740E+00	1.351E+00
1.400E+03	6.379E+00	2.490E+01	3.978E+01	2.828E+00	1.998E+00	7.828E+00	5.814E+00	1.345E+00
1.500E+03	5.952E+00	2.684E+01	4.033E+01	2.922E+00	1.999E+00	7.905E+00	5.895E+00	1.340E+00
1.600E+03	5.575E+00	2.881E+01	4.084E+01	3.013E+00	1.999E+00	7.985E+00	5.979E+00	1.335E+00
1.700E+03	5.250E+00	3.079E+01	4.133E+01	3.100E+00	1.999E+00	8.068E+00	6.063E+00	1.330E+00
1.800E+03	4.958E+00	3.280E+01	4.180E+01	3.185E+00	1.999E+00	8.154E+00	6.149E+00	1.326E+00
1.900E+03	4.697E+00	3.483E+01	4.224E+01	3.266E+00	2.000E+00	8.246E+00	6.240E+00	1.321E+00
2.000E+03	4.462E+00	3.689E+01	4.267E+01	3.345E+00	2.000E+00	8.348E+00	6.341E+00	1.316E+00
2.100E+03	4.244E+00	3.897E+01	4.305E+01	3.422E+00	2.000E+00	8.469E+00	6.457E+00	1.311E+00
2.200E+03	4.035E+00	4.104E+01	4.349E+01	3.495E+00	2.000E+00	8.617E+00	6.597E+00	1.306E+00
2.300E+03	3.877E+00	4.325E+01	4.388E+01	3.566E+00	2.001E+00	8.802E+00	6.771E+00	1.300E+00
2.400E+03	3.714E+00	4.546E+01	4.426E+01	3.633E+00	2.002E+00	9.037E+00	6.987E+00	1.292E+00
2.500E+03	3.563E+00	4.774E+01	4.464E+01	3.698E+00	2.003E+00	9.334E+00	7.259E+00	1.285E+00
2.600E+03	3.423E+00	5.010E+01	4.501E+01	3.760E+00	2.005E+00	9.707E+00	7.596E+00	1.278E+00
2.700E+03	3.293E+00	5.256E+01	4.539E+01	3.820E+00	2.007E+00	1.017E+01	8.011E+00	1.267E+00
2.800E+03	3.170E+00	5.516E+01	4.577E+01	3.879E+00	2.010E+00	1.073E+01	8.514E+00	1.257E+00
2.900E+03	3.054E+00	5.790E+01	4.616E+01	3.937E+00	2.015E+00	1.142E+01	9.114E+00	1.248E+00
3.000E+03	2.944E+00	6.083E+01	4.657E+01	3.995E+00	2.020E+00	1.222E+01	9.820E+00	1.238E+00
3.100E+03	2.839E+00	6.398E+01	4.699E+01	4.053E+00	2.027E+00	1.317E+01	1.064E+01	1.230E+00
3.200E+03	2.738E+00	6.738E+01	4.743E+01	4.113E+00	2.036E+00	1.426E+01	1.175E+01	1.222E+00
3.300E+03	2.641E+00	7.107E+01	4.789E+01	4.176E+00	2.047E+00	1.551E+01	1.262E+01	1.214E+00
3.400E+03	2.547E+00	7.509E+01	4.838E+01	4.242E+00	2.060E+00	1.691E+01	1.379E+01	1.206E+00
3.500E+03	2.456E+00	7.947E+01	4.889E+01	4.311E+00	2.076E+00	1.846E+01	1.507E+01	1.203E+00
3.600E+03	2.368E+00	8.425E+01	4.944E+01	4.386E+00	2.095E+00	2.017E+01	1.645E+01	1.195E+00
3.700E+03	2.279E+00	8.947E+01	5.002E+01	4.462E+00	2.117E+00	2.202E+01	1.792E+01	1.186E+00
3.800E+03	2.193E+00	9.517E+01	5.064E+01	4.544E+00	2.142E+00	2.400E+01	1.947E+01	1.194E+00
3.900E+03	2.108E+00	1.014E+02	5.129E+01	4.631E+00	2.170E+00	2.608E+01	2.107E+01	1.152E+00
4.000E+03	2.025E+00	1.081E+02	5.198E+01	4.724E+00	2.203E+00	2.826E+01	2.270E+01	1.192E+00
4.100E+03	1.944E+00	1.153E+02	5.271E+01	4.822E+00	2.239E+00	3.048E+01	2.433E+01	1.192E+00
4.200E+03	1.864E+00	1.232E+02	5.347E+01	4.925E+00	2.279E+00	3.272E+01	2.593E+01	1.192E+00
4.300E+03	1.787E+00	1.315E+02	5.427E+01	5.034E+00	2.323E+00	3.492E+01	2.747E+01	1.194E+00
4.400E+03	1.711E+00	1.404E+02	5.510E+01	5.148E+00	2.370E+00	3.703E+01	2.889E+01	1.156E+00
4.500E+03	1.638E+00	1.498E+02	5.596E+01	5.267E+00	2.421E+00	3.898E+01	3.017E+01	1.198E+00
4.600E+03	1.576E+00	1.596E+02	5.683E+01	5.391E+00	2.475E+00	4.072E+01	3.127E+01	1.201E+00
4.700E+03	1.499E+00	1.698E+02	5.773E+01	5.519E+00	2.532E+00	4.218E+01	3.214E+01	1.204E+00
4.800E+03	1.435E+00	1.804E+02	5.863E+01	5.650E+00	2.591E+00	4.330E+01	3.277E+01	1.211E+00
4.900E+03	1.374E+00	1.912E+02	5.953E+01	5.784E+00	2.651E+00	4.405E+01	3.313E+01	1.211E+00
5.000E+03	1.316E+00	2.022E+02	6.042E+01	5.920E+00	2.712E+00	4.440E+01	3.321E+01	1.216E+00
5.200E+03	1.21E+00	2.239E+02	6.216E+01	6.194E+00	2.833E+00	4.388E+01	3.255E+01	1.223E+00
5.400E+03	1.11E+00	2.450E+02	6.378E+01	6.465E+00	2.948E+00	4.346E+01	3.099E+01	1.235E+00
5.600E+03	1.044E+00	2.650E+02	6.526E+01	6.728E+00	3.053E+00	3.913E+01	2.886E+01	1.245E+00
5.800E+03	9.780E-01	2.835E+02	6.657E+01	6.978E+00	3.146E+00	3.599E+01	2.656E+01	1.258E+00
6.000E+03	9.220E-01	3.004E+02	6.774E+01	7.211E+00	3.226E+00	3.305E+01	2.446E+01	1.268E+00
6.200E+03	8.739E-01	3.161E+02	6.878E+01	7.424E+00	3.293E+00	3.066E+01	2.279E+01	1.278E+00
6.400E+03	8.320E-01	3.307E+02	6.972E+01	7.617E+00	3.351E+00	2.902E+01	2.167E+01	1.278E+00
6.600E+03	7.948E-01	3.447E+02	7.060E+01	7.792E+00	3.402E+00	2.809E+01	2.112E+01	1.272E+00
6.800E+03	7.613E-01	3.585E+02	7.133E+01	7.951E+00	3.447E+00	2.742E+01	2.106E+01	1.268E+00
7.000E+03	7.307E-01	3.722E+02	7.244E+01	8.101E+00	3.489E+00	2.608E+01	2.079E+01	1.259E+00
7.200E+03	7.024E-01	3.852E+02	7.304E+01	8.246E+00	3.527E+00	2.482E+01	2.032E+01	1.249E+00
7.400E+03	6.760E-01	4.005E+02	7.383E+01	8.390E+00	3.567E+00	2.395E+01	2.035E+01	1.231E+00
7.600E+03	6.512E-01	4.153E+02	7.463E+01	8.534E+00	3.605E+00	2.343E+01	2.034E+01	1.209E+00
7.800E+03	6.275E-01	4.305E+02	7.543E+01	8.688E+00	3.644E+00	2.317E+01	2.019E+01	1.209E+00
8.000E+03	6.058E-01	4.460E+02	7.623E+01	8.845E+00	3.682E+00	2.316E+01	2.015E+01	1.209E+00
8.200E+03	5.851E-01	4.616E+02	7.701E+01	9.007E+00	3.719E+00	2.316E+01	2.015E+01	1.209E+00
8.400E+03	5.656E-01	4.771E+02	7.777E+01	9.176E+00	3.756E+00	2.317E+01	2.016E+01	1.209E+00
8.600E+03	5.474E-01	4.923E+02	7.849E+01	9.351E+00	3.790E+00	2.317E+01	2.016E+01	1.209E+00
8.800E+03	5.305E-01	5.070E+02	7.918E+01	9.530E+00	3.822E+00	2.317E+01	2.016E+01	1.209E+00

TABLE I. - Continued

T	KHO/RHU-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
9.000E+03	5.148E-01	5.210E+02	7.982E+C1	9.714E+00	3.852E+00	2.758E+01	2.098E+01	1.280E+00
9.200E+03	5.002E-01	5.342E+02	8.040E+01	9.900E+00	3.878E+00	2.549E+01	1.957E+01	1.252E+00
9.400E+03	4.866E-01	5.465E+02	8.154E+01	1.009E+01	3.901E+00	2.422E+01	1.816E+01	1.305E+00
9.600E+03	4.741E-01	5.581E+02	8.144E+01	1.027E+01	3.921E+00	2.267E+01	1.687E+01	1.319E+00
9.800E+03	4.624E-01	5.689E+02	8.189E+01	1.045E+01	3.938E+00	2.132E+01	1.574E+01	1.332E+00
1.000E+04	4.514E-01	5.791E+02	8.231E+01	1.062E+01	3.953E+00	2.022E+01	1.483E+01	1.343E+00
1.100E+04	4.409E-01	5.824E+02	8.410E+01	1.130E+01	4.007E+00	1.829E+01	1.329E+01	1.363E+00
1.200E+04	4.306E-01	5.726E+02	8.576E+01	1.174E+01	4.052E+00	2.051E+01	1.521E+01	1.366E+00
1.300E+04	4.206E-01	5.726E+02	8.758E+01	1.213E+01	4.112E+00	2.252E+01	1.918E+01	1.295E+00
1.400E+04	4.037E-01	5.888E+02	8.968E+01	1.257E+01	4.197E+00	3.202E+01	2.469E+01	1.265E+00
1.500E+04	3.756E-01	6.079E+02	9.218E+01	1.309E+01	4.317E+00	4.059E+01	3.143E+01	1.245E+00
1.600E+04	2.491E-01	1.000E+03	9.511E+01	1.370E+01	4.478E+00	5.061E+01	3.900E+01	1.232E+00
1.700E+04	2.242E-01	1.138E+03	9.849E+01	1.444E+01	4.683E+00	6.139E+01	4.678E+01	1.225E+00
1.800E+04	2.010E-01	1.302E+03	1.023E+02	1.519E+01	4.933E+00	7.186E+01	5.394E+01	1.223E+00
1.900E+04	1.799E-01	1.491E+03	1.064E+02	1.607E+01	5.222E+00	8.061E+01	5.954E+01	1.225E+00
2.000E+04	1.611E-01	1.697E+03	1.107E+02	1.702E+01	5.539E+00	8.622E+01	6.273E+01	1.230E+00
2.100E+04	1.448E-01	1.912E+03	1.150E+02	1.801E+01	5.867E+00	8.773E+01	6.303E+01	1.239E+00
2.200E+04	1.311E-01	2.126E+03	1.190E+02	1.903E+01	6.189E+00	8.508E+01	6.053E+01	1.252E+00
2.300E+04	1.196E-01	2.329E+03	1.227E+02	2.006E+01	6.487E+00	7.914E+01	5.588E+01	1.268E+00
2.400E+04	1.101E-01	2.514E+03	1.259E+02	2.106E+01	6.750E+00	7.134E+01	5.008E+01	1.288E+00
2.500E+04	1.023E-01	2.680E+03	1.286E+02	2.202E+01	6.975E+00	6.312E+01	4.397E+01	1.311E+00
2.600E+04	9.585E-02	2.828E+03	1.309E+02	2.294E+01	7.161E+00	5.594E+01	3.841E+01	1.335E+00
2.700E+04	9.038E-02	2.955E+03	1.329E+02	2.389E+01	7.312E+00	4.922E+01	3.378E+01	1.359E+00
2.800E+04	8.570E-02	3.070E+03	1.346E+02	2.472E+01	7.436E+00	4.440E+01	3.028E+01	1.380E+00
2.900E+04	8.163E-02	3.175E+03	1.361E+02	2.546E+01	7.538E+00	4.112E+01	2.785E+01	1.355E+00
3.000E+04	7.802E-02	3.273E+03	1.375E+02	2.610E+01	7.623E+00	3.931E+01	2.677E+01	1.401E+00
3.100E+04	7.477E-02	3.369E+03	1.387E+02	2.663E+01	7.698E+00	3.887E+01	2.664E+01	1.398E+00
3.200E+04	7.179E-02	3.466E+03	1.400E+02	2.707E+01	7.768E+00	3.967E+01	2.748E+01	1.387E+00
3.300E+04	6.902E-02	3.566E+03	1.412E+02	2.745E+01	7.835E+00	4.151E+01	2.912E+01	1.371E+00
3.400E+04	6.641E-02	3.671E+03	1.425E+02	2.782E+01	7.902E+00	4.412E+01	3.152E+01	1.355E+00
3.500E+04	6.394E-02	3.784E+03	1.438E+02	2.821E+01	7.973E+00	4.713E+01	3.378E+01	1.341E+00
3.600E+04	6.159E-02	3.904E+03	1.452E+02	2.863E+01	8.048E+00	5.098E+01	3.616E+01	1.331E+00
3.700E+04	5.935E-02	4.030E+03	1.466E+02	2.910E+01	8.126E+00	5.259E+01	3.810E+01	1.325E+00
3.800E+04	5.722E-02	4.162E+03	1.480E+02	2.961E+01	8.207E+00	5.426E+01	3.955E+01	1.322E+00
3.900E+04	5.520E-02	4.297E+03	1.494E+02	3.014E+01	8.286E+00	5.492E+01	3.978E+01	1.324E+00
4.000E+04	5.331E-02	4.432E+03	1.508E+02	3.075E+01	8.368E+00	5.456E+01	3.960E+01	1.329E+00
4.100E+04	5.154E-02	4.565E+03	1.522E+02	3.135E+01	8.444E+00	5.336E+01	3.837E+01	1.336E+00
4.200E+04	4.989E-02	4.695E+03	1.534E+02	3.198E+01	8.515E+00	5.153E+01	3.688E+01	1.345E+00
4.300E+04	4.836E-02	4.819E+03	1.546E+02	3.261E+01	8.580E+00	4.942E+01	3.515E+01	1.356E+00
4.400E+04	4.694E-02	4.938E+03	1.557E+02	3.323E+01	8.639E+00	4.731E+01	3.315E+01	1.366E+00
4.500E+04	4.562E-02	5.053E+03	1.568E+02	3.382E+01	8.692E+00	4.542E+01	3.203E+01	1.376E+00
4.600E+04	4.438E-02	5.163E+03	1.578E+02	3.438E+01	8.740E+00	4.394E+01	3.089E+01	1.383E+00
4.700E+04	4.322E-02	5.270E+03	1.587E+02	3.493E+01	8.784E+00	4.258E+01	3.018E+01	1.387E+00
4.800E+04	4.213E-02	5.375E+03	1.596E+02	3.545E+01	8.824E+00	4.260E+01	2.994E+01	1.388E+00
4.900E+04	4.109E-02	5.480E+03	1.605E+02	3.595E+01	8.862E+00	4.243E+01	1.021E+01	1.385E+00
5.000E+04	4.010E-02	5.587E+03	1.613E+02	3.640E+01	8.894E+00	4.366E+01	1.056E+01	1.378E+00

P/P0 = 4.00E+01

T	KHO/RHU-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	3.044E+C1	-3.181E+CC	2.465E+01	1.246E+00	1.226E+00	2.120E+01	1.636E+01	1.152E+00
6.000E+02	2.007E+01	3.195E+00	2.535E+01	1.548E+00	1.549E+00	2.779E+01	2.040E+01	1.212E+00
7.000E+02	1.466E+01	9.089E+00	3.305E+01	1.844E+00	1.818E+00	1.879E+01	1.390E+01	1.258E+00
8.000E+02	1.077E+01	1.269E+01	3.501E+01	2.077E+00	1.932E+00	1.146E+01	8.456E+00	1.313E+00
9.000E+02	1.051E+01	1.511E+01	3.619E+01	2.255E+00	1.972E+00	8.838E+00	6.467E+00	1.348E+00
1.000E+03	9.391E+00	1.720E+01	3.707E+01	2.396E+00	1.987E+00	8.016E+00	5.858E+00	1.359E+00
1.100E+03	8.511E+00	1.914E+01	3.782E+01	2.517E+00	1.993E+00	7.774E+00	5.698E+00	1.366E+00
1.200E+03	7.752E+00	2.105E+01	3.849E+01	2.627E+00	1.996E+00	7.733E+00	5.651E+00	1.359E+00
1.300E+03	7.185E+00	2.297E+01	3.912E+01	2.730E+00	1.997E+00	7.686E+00	5.624E+00	1.351E+00
1.400E+03	6.865E+00	2.489E+01	3.970E+01	2.828E+00	1.998E+00	7.630E+00	5.615E+00	1.345E+00
1.500E+03	6.622E+00	2.686E+01	4.024E+01	2.922E+00	1.999E+00	7.606E+00	5.606E+00	1.340E+00
1.600E+03	6.449E+00	2.880E+01	4.075E+01	3.013E+00	1.999E+00	7.606E+00	5.679E+00	1.335E+00
1.700E+03	6.349E+00	3.079E+01	4.124E+01	3.100E+00	1.999E+00	8.069E+00	6.063E+00	1.330E+00
1.800E+03	6.184E+00	3.280E+01	4.171E+01	3.185E+00	1.999E+00	8.154E+00	6.149E+00	1.328E+00
1.900E+03	6.010E+00	3.483E+01	4.218E+01	3.266E+00	2.000E+00	8.245E+00	6.240E+00	1.321E+00
2.000E+03	5.866E+00	3.682E+01	4.254E+01	3.345E+00	2.000E+00	8.347E+00	6.339E+00	1.316E+00
2.100E+03	5.742E+00	3.879E+01	4.300E+01	3.422E+00	2.000E+00	8.460E+00	6.454E+00	1.311E+00
2.200E+03	5.629E+00	4.073E+01	4.342E+01	3.495E+00	2.000E+00	8.612E+00	6.593E+00	1.306E+00
2.300E+03	5.505E+00	4.274E+01	4.379E+01	3.566E+00	2.001E+00	8.794E+00	6.763E+00	1.300E+00
2.400E+03	5.383E+00	4.475E+01	4.417E+01	3.634E+00	2.002E+00	9.025E+00	6.977E+00	1.293E+00
2.500E+03	5.262E+00	4.675E+01	4.454E+01	3.699E+00	2.003E+00	9.316E+00	7.243E+00	1.285E+00
2.600E+03	5.157E+00	4.875E+01	4.492E+01	3.761E+00	2.005E+00	9.682E+00	7.574E+00	1.277E+00
2.700E+03	5.043E+00	5.080E+01	4.530E+01	3.821E+00	2.007E+00	1.013E+01	7.981E+00	1.268E+00
2.800E+03	4.934E+00	5.284E+01	4.568E+01	3.880E+00	2.010E+00	1.064E+01	8.473E+00	1.258E+00
2.900E+03	4.829E+00	5.487E+01	4.607E+01	3.938E+00	2.014E+00	1.136E+01	9.061E+00	1.249E+00
3.000E+03	4.724E+00	5.690E+01	4.647E+01	3.995E+00	2.020E+00	1.215E+01	9.753E+00	1.239E+00
3.100E+03	4.624E+00	5.892E+01	4.689E+01	4.054E+00	2.027E+00	1.307E+01	1.055E+01	1.231E+00
3.200E+03	4.524E+00	6.094E+01	4.732E+01	4.114E+00	2.036E+00	1.414E+01	1.147E+01	1.223E+00
3.300E+03	4.424E+00	6.293E+01	4.778E+01	4.177E+00	2.046E+00	1.536E+01	1.250E+01	1.215E+00

TABLE I. - Continued

T	A70/A40-J	H/K10	S/A	A/AU	Z	CP/R	CV/R	GAMMA
3.400E+03	2.665E+00	7.491E+01	4.826E+01	4.242E+00	2.059E+00	1.673E+01	1.364E+01	1.209E+00
3.500E+03	2.569E+00	7.524E+01	4.877E+01	4.311E+00	2.075E+00	1.825E+01	1.490E+01	1.204E+00
3.600E+03	2.476E+00	8.397E+01	4.931E+01	4.383E+00	2.093E+00	1.993E+01	1.625E+01	1.200E+00
3.700E+03	2.385E+00	8.913E+01	4.989E+01	4.460E+00	2.114E+00	2.174E+01	1.769E+01	1.197E+00
3.800E+03	2.298E+00	9.475E+01	5.050E+01	4.542E+00	2.139E+00	2.368E+01	1.921E+01	1.194E+00
3.900E+03	2.208E+00	1.009E+02	5.114E+01	4.629E+00	2.167E+00	2.573E+01	2.079E+01	1.190E+00
4.000E+03	2.122E+00	1.075E+02	5.182E+01	4.720E+00	2.198E+00	2.787E+01	2.239E+01	1.187E+00
4.100E+03	2.037E+00	1.146E+02	5.254E+01	4.817E+00	2.234E+00	3.006E+01	2.400E+01	1.182E+00
4.200E+03	1.954E+00	1.223E+02	5.329E+01	4.920E+00	2.273E+00	3.226E+01	2.559E+01	1.178E+00
4.300E+03	1.873E+00	1.306E+02	5.408E+01	5.028E+00	2.316E+00	3.444E+01	2.711E+01	1.174E+00
4.400E+03	1.794E+00	1.394E+02	5.490E+01	5.141E+00	2.363E+00	3.653E+01	2.853E+01	1.170E+00
4.500E+03	1.718E+00	1.486E+02	5.574E+01	5.259E+00	2.413E+00	3.849E+01	2.981E+01	1.166E+00
4.600E+03	1.644E+00	1.583E+02	5.661E+01	5.381E+00	2.466E+00	4.024E+01	3.092E+01	1.161E+00
4.700E+03	1.574E+00	1.684E+02	5.749E+01	5.508E+00	2.522E+00	4.172E+01	3.182E+01	1.157E+00
4.800E+03	1.508E+00	1.789E+02	5.839E+01	5.638E+00	2.580E+00	4.289E+01	3.248E+01	1.152E+00
4.900E+03	1.442E+00	1.896E+02	5.928E+01	5.771E+00	2.640E+00	4.370E+01	3.288E+01	1.147E+00
5.000E+03	1.382E+00	2.004E+02	6.017E+01	5.906E+00	2.700E+00	4.412E+01	3.301E+01	1.142E+00
5.200E+03	1.272E+00	2.221E+02	6.190E+01	6.179E+00	2.821E+00	4.377E+01	3.247E+01	1.137E+00
5.400E+03	1.177E+00	2.433E+02	6.352E+01	6.450E+00	2.936E+00	4.202E+01	3.102E+01	1.132E+00
5.600E+03	1.095E+00	2.633E+02	6.500E+01	6.713E+00	3.041E+00	3.932E+01	2.898E+01	1.125E+00
5.800E+03	1.026E+00	2.819E+02	6.632E+01	6.964E+00	3.135E+00	3.625E+01	2.674E+01	1.115E+00
6.000E+03	9.669E-01	2.990E+02	6.750E+01	7.198E+00	3.215E+00	3.333E+01	2.464E+01	1.103E+00
6.200E+03	9.161E-01	3.147E+02	6.855E+01	7.413E+00	3.284E+00	3.093E+01	2.295E+01	1.089E+00
6.400E+03	8.714E-01	3.295E+02	6.950E+01	7.608E+00	3.343E+00	2.921E+01	2.179E+01	1.073E+00
6.600E+03	8.326E-01	3.436E+02	7.038E+01	7.785E+00	3.395E+00	2.822E+01	2.110E+01	1.072E+00
6.800E+03	7.974E-01	3.574E+02	7.121E+01	7.946E+00	3.441E+00	2.788E+01	2.108E+01	1.069E+00
7.000E+03	7.652E-01	3.711E+02	7.202E+01	8.097E+00	3.483E+00	2.807E+01	2.137E+01	1.065E+00
7.200E+03	7.355E-01	3.851E+02	7.282E+01	8.242E+00	3.523E+00	2.865E+01	2.195E+01	1.060E+00
7.400E+03	7.078E-01	3.994E+02	7.361E+01	8.386E+00	3.562E+00	2.946E+01	2.268E+01	1.055E+00
7.600E+03	6.818E-01	4.141E+02	7.441E+01	8.533E+00	3.600E+00	3.031E+01	2.342E+01	1.052E+00
7.800E+03	6.574E-01	4.292E+02	7.520E+01	8.684E+00	3.638E+00	3.105E+01	2.404E+01	1.050E+00
8.000E+03	6.343E-01	4.446E+02	7.600E+01	8.840E+00	3.676E+00	3.153E+01	2.442E+01	1.050E+00
8.200E+03	6.126E-01	4.602E+02	7.678E+01	9.002E+00	3.714E+00	3.163E+01	2.447E+01	1.052E+00
8.400E+03	5.922E-01	4.757E+02	7.753E+01	9.170E+00	3.750E+00	3.128E+01	2.414E+01	1.052E+00
8.600E+03	5.731E-01	4.910E+02	7.826E+01	9.343E+00	3.785E+00	3.046E+01	2.343E+01	1.062E+00
8.800E+03	5.553E-01	5.057E+02	7.895E+01	9.522E+00	3.818E+00	2.925E+01	2.239E+01	1.072E+00
9.000E+03	5.388E-01	5.197E+02	7.959E+01	9.706E+00	3.847E+00	2.775E+01	2.112E+01	1.080E+00
9.200E+03	5.235E-01	5.330E+02	8.018E+01	9.890E+00	3.874E+00	2.609E+01	1.973E+01	1.091E+00
9.400E+03	5.093E-01	5.455E+02	8.072E+01	1.008E+01	3.897E+00	2.443E+01	1.833E+01	1.104E+00
9.600E+03	4.961E-01	5.571E+02	8.122E+01	1.026E+01	3.917E+00	2.287E+01	1.703E+01	1.117E+00
9.800E+03	4.839E-01	5.680E+02	8.168E+01	1.044E+01	3.935E+00	2.150E+01	1.589E+01	1.130E+00
1.000E+04	4.723E-01	5.783E+02	8.216E+01	1.061E+01	3.950E+00	2.037E+01	1.495E+01	1.142E+00
1.100E+04	4.613E-01	5.879E+02	8.260E+01	1.078E+01	3.965E+00	1.829E+01	1.327E+01	1.156E+00
1.200E+04	4.508E-01	5.967E+02	8.300E+01	1.095E+01	3.979E+00	2.037E+01	1.509E+01	1.135E+00
1.300E+04	4.407E-01	6.049E+02	8.335E+01	1.111E+01	3.992E+00	2.498E+01	1.895E+01	1.129E+00
1.400E+04	4.310E-01	6.126E+02	8.365E+01	1.125E+01	4.004E+00	3.140E+01	2.435E+01	1.124E+00
1.500E+04	4.218E-01	6.199E+02	8.391E+01	1.139E+01	4.015E+00	4.000E+01	3.097E+01	1.124E+00
1.600E+04	4.130E-01	6.268E+02	8.414E+01	1.152E+01	4.025E+00	4.984E+01	3.842E+01	1.123E+00
1.700E+04	4.046E-01	6.333E+02	8.434E+01	1.164E+01	4.034E+00	6.047E+01	4.612E+01	1.124E+00
1.800E+04	3.966E-01	6.394E+02	8.451E+01	1.176E+01	4.042E+00	7.086E+01	5.325E+01	1.123E+00
1.900E+04	3.889E-01	6.451E+02	8.466E+01	1.187E+01	4.049E+00	7.964E+01	5.889E+01	1.125E+00
2.000E+04	3.815E-01	6.505E+02	8.479E+01	1.197E+01	4.055E+00	8.543E+01	6.222E+01	1.123E+00
2.100E+04	3.744E-01	6.556E+02	8.490E+01	1.207E+01	4.060E+00	8.725E+01	6.273E+01	1.124E+00
2.200E+04	3.676E-01	6.604E+02	8.499E+01	1.216E+01	4.065E+00	8.497E+01	6.046E+01	1.125E+00
2.300E+04	3.611E-01	6.649E+02	8.507E+01	1.224E+01	4.069E+00	7.937E+01	5.806E+01	1.126E+00
2.400E+04	3.548E-01	6.691E+02	8.514E+01	1.231E+01	4.072E+00	7.183E+01	5.039E+01	1.126E+00
2.500E+04	3.488E-01	6.730E+02	8.520E+01	1.238E+01	4.075E+00	6.374E+01	4.441E+01	1.123E+00
2.600E+04	3.430E-01	6.766E+02	8.525E+01	1.244E+01	4.077E+00	5.619E+01	3.886E+01	1.133E+00
2.700E+04	3.374E-01	6.800E+02	8.529E+01	1.250E+01	4.079E+00	4.981E+01	3.419E+01	1.135E+00
2.800E+04	3.320E-01	6.832E+02	8.532E+01	1.255E+01	4.080E+00	4.489E+01	3.061E+01	1.137E+00
2.900E+04	3.268E-01	6.862E+02	8.535E+01	1.260E+01	4.081E+00	4.144E+01	2.819E+01	1.139E+00
3.000E+04	3.218E-01	6.890E+02	8.537E+01	1.264E+01	4.082E+00	3.953E+01	2.689E+01	1.140E+00
3.100E+04	3.170E-01	6.916E+02	8.539E+01	1.268E+01	4.083E+00	3.894E+01	2.605E+01	1.139E+00
3.200E+04	3.124E-01	6.941E+02	8.540E+01	1.271E+01	4.083E+00	3.959E+01	2.737E+01	1.138E+00
3.300E+04	3.080E-01	6.964E+02	8.541E+01	1.274E+01	4.084E+00	4.128E+01	2.889E+01	1.137E+00
3.400E+04	3.038E-01	6.985E+02	8.541E+01	1.277E+01	4.084E+00	4.377E+01	3.100E+01	1.135E+00
3.500E+04	3.000E-01	7.004E+02	8.541E+01	1.279E+01	4.084E+00	4.669E+01	3.341E+01	1.134E+00
3.600E+04	2.964E-01	7.021E+02	8.541E+01	1.281E+01	4.084E+00	4.964E+01	3.577E+01	1.133E+00
3.700E+04	2.930E-01	7.037E+02	8.541E+01	1.282E+01	4.084E+00	5.217E+01	3.775E+01	1.124E+00
3.800E+04	2.898E-01	7.052E+02	8.541E+01	1.283E+01	4.084E+00	5.394E+01	3.908E+01	1.123E+00
3.900E+04	2.868E-01	7.066E+02	8.541E+01	1.284E+01	4.084E+00	5.474E+01	3.962E+01	1.124E+00
4.000E+04	2.840E-01	7.079E+02	8.541E+01	1.284E+01	4.084E+00	5.453E+01	3.930E+01	1.128E+00
4.100E+04	2.814E-01	7.091E+02	8.541E+01	1.285E+01	4.084E+00	5.344E+01	3.843E+01	1.135E+00
4.200E+04	2.790E-01	7.102E+02	8.541E+01	1.285E+01	4.084E+00	5.173E+01	3.703E+01	1.144E+00
4.300E+04	2.768E-01	7.113E+02	8.541E+01	1.285E+01	4.084E+00	4.967E+01	3.538E+01	1.154E+00
4.400E+04	2.748E-01	7.124E+02	8.541E+01	1.285E+01	4.084E+00	4.700E+01	3.372E+01	1.165E+00
4.500E+04	2.730E-01	7.134E+02	8.541E+01	1.285E+01	4.084E+00	4.570E+01	3.222E+01	1.175E+00
4.600E+04	2.714E-01	7.144E+02	8.541E+01	1.285E+01	4.084E+00	4.417E+01	3.104E+01	1.182E+00
4.700E+04	2.700E-01	7.154E+02	8.541E+01	1.285E+01	4.084E+00	4.313E+01	3.027E+01	1.187E+00
4.800E+04	2.688E-01	7.163E+02	8.541E+01	1.285E+01	4.084E+00	4.266E+01	2.976E+01	1.188E+00
4.900E+04	2.678E-01	7.172E+02	8.541E+01	1.285E+01	4.084E+00	4.278E+01	3.014E+01	1.188E+00
5.000E+04	2.670E-01	7.181E+02	8.541E+01	1.285E+01	4.084E+00	4.350E+01	3.080E+01	1.179E+00

TABLE I. - Continued

P/P0 = 4.80E+01

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	3.144E+01	-3.250E+00	2.455E+01	1.244E+00	1.221E+00	2.090E+01	1.614E+01	1.192E+00
6.000E+02	2.104E+01	3.067E+00	2.520E+01	1.543E+00	1.541E+00	2.772E+01	2.034E+01	1.212E+00
7.000E+02	1.535E+01	4.994E+00	3.292E+01	1.841E+00	1.812E+00	1.903E+01	1.407E+01	1.237E+00
8.000E+02	1.261E+01	1.265E+01	3.491E+01	2.075E+00	1.929E+00	1.161E+01	4.564E+00	1.312E+00
9.000E+02	1.098E+01	1.512E+01	3.699E+01	2.254E+00	1.971E+00	8.899E+00	6.512E+00	1.347E+00
1.000E+03	4.802E+00	1.719E+01	3.698E+01	2.395E+00	1.986E+00	8.042E+00	5.877E+00	1.359E+00
1.100E+03	8.882E+00	1.913E+01	3.773E+01	2.517E+00	1.992E+00	7.786E+00	5.706E+00	1.359E+00
1.200E+03	8.129E+00	2.105E+01	3.841E+01	2.627E+00	1.996E+00	7.739E+00	5.696E+00	1.356E+00
1.300E+03	7.498E+00	2.254E+01	3.903E+01	2.730E+00	1.997E+00	7.770E+00	5.745E+00	1.351E+00
1.400E+03	6.959E+00	2.489E+01	3.961E+01	2.828E+00	1.998E+00	7.832E+00	5.816E+00	1.345E+00
1.500E+03	6.493E+00	2.684E+01	4.015E+01	2.922E+00	1.999E+00	7.907E+00	5.897E+00	1.340E+00
1.600E+03	6.086E+00	2.880E+01	4.067E+01	3.013E+00	1.999E+00	7.987E+00	5.980E+00	1.335E+00
1.700E+03	5.728E+00	3.079E+01	4.116E+01	3.100E+00	1.999E+00	8.069E+00	6.063E+00	1.330E+00
1.800E+03	5.409E+00	3.280E+01	4.162E+01	3.185E+00	1.999E+00	8.154E+00	6.149E+00	1.326E+00
1.900E+03	5.124E+00	3.483E+01	4.207E+01	3.266E+00	2.000E+00	8.245E+00	6.239E+00	1.321E+00
2.000E+03	4.867E+00	3.688E+01	4.250E+01	3.345E+00	2.000E+00	8.346E+00	6.338E+00	1.316E+00
2.100E+03	4.635E+00	3.897E+01	4.291E+01	3.422E+00	2.000E+00	8.444E+00	6.452E+00	1.311E+00
2.200E+03	4.423E+00	4.104E+01	4.331E+01	3.499E+00	2.000E+00	8.548E+00	6.588E+00	1.306E+00
2.300E+03	4.230E+00	4.324E+01	4.370E+01	3.566E+00	2.001E+00	8.787E+00	6.757E+00	1.300E+00
2.400E+03	4.052E+00	4.554E+01	4.408E+01	3.634E+00	2.002E+00	9.014E+00	6.966E+00	1.293E+00
2.500E+03	3.888E+00	4.772E+01	4.446E+01	3.699E+00	2.003E+00	9.300E+00	7.228E+00	1.285E+00
2.600E+03	3.739E+00	5.007E+01	4.483E+01	3.761E+00	2.005E+00	9.659E+00	7.553E+00	1.277E+00
2.700E+03	3.593E+00	5.252E+01	4.521E+01	3.822E+00	2.007E+00	1.010E+01	7.952E+00	1.268E+00
2.800E+03	3.455E+00	5.509E+01	4.559E+01	3.881E+00	2.010E+00	1.065E+01	8.435E+00	1.259E+00
2.900E+03	3.333E+00	5.782E+01	4.598E+01	3.939E+00	2.014E+00	1.130E+01	9.012E+00	1.249E+00
3.000E+03	3.213E+00	6.071E+01	4.638E+01	3.996E+00	2.019E+00	1.208E+01	9.690E+00	1.240E+00
3.100E+03	3.095E+00	6.382E+01	4.679E+01	4.055E+00	2.026E+00	1.298E+01	1.047E+01	1.231E+00
3.200E+03	2.990E+00	6.717E+01	4.722E+01	4.115E+00	2.035E+00	1.403E+01	1.137E+01	1.223E+00
3.300E+03	2.891E+00	7.080E+01	4.768E+01	4.177E+00	2.045E+00	1.523E+01	1.238E+01	1.216E+00
3.400E+03	2.792E+00	7.474E+01	4.815E+01	4.242E+00	2.058E+00	1.657E+01	1.350E+01	1.210E+00
3.500E+03	2.693E+00	7.903E+01	4.866E+01	4.311E+00	2.073E+00	1.806E+01	1.473E+01	1.205E+00
3.600E+03	2.596E+00	8.370E+01	4.919E+01	4.383E+00	2.091E+00	1.970E+01	1.606E+01	1.201E+00
3.700E+03	2.491E+00	8.880E+01	4.976E+01	4.459E+00	2.112E+00	2.148E+01	1.749E+01	1.197E+00
3.800E+03	2.385E+00	9.435E+01	5.036E+01	4.540E+00	2.136E+00	2.338E+01	1.897E+01	1.193E+00
3.900E+03	2.307E+00	1.004E+02	5.100E+01	4.626E+00	2.163E+00	2.539E+01	2.052E+01	1.189E+00
4.000E+03	2.218E+00	1.069E+02	5.167E+01	4.717E+00	2.194E+00	2.750E+01	2.210E+01	1.183E+00
4.100E+03	2.130E+00	1.140E+02	5.238E+01	4.813E+00	2.229E+00	2.985E+01	2.369E+01	1.178E+00
4.200E+03	2.044E+00	1.216E+02	5.312E+01	4.915E+00	2.268E+00	3.183E+01	2.526E+01	1.173E+00
4.300E+03	1.960E+00	1.297E+02	5.395E+01	5.021E+00	2.310E+00	3.399E+01	2.677E+01	1.168E+00
4.400E+03	1.878E+00	1.384E+02	5.471E+01	5.133E+00	2.356E+00	3.607E+01	2.816E+01	1.164E+00
4.500E+03	1.799E+00	1.475E+02	5.554E+01	5.250E+00	2.405E+00	3.802E+01	2.947E+01	1.160E+00
4.600E+03	1.722E+00	1.571E+02	5.640E+01	5.372E+00	2.457E+00	3.977E+01	3.059E+01	1.201E+00
4.700E+03	1.648E+00	1.671E+02	5.727E+01	5.497E+00	2.513E+00	4.149E+01	3.151E+01	1.206E+00
4.800E+03	1.578E+00	1.775E+02	5.816E+01	5.627E+00	2.570E+00	4.250E+01	3.220E+01	1.207E+00
4.900E+03	1.511E+00	1.880E+02	5.904E+01	5.759E+00	2.629E+00	4.336E+01	3.288E+01	1.211E+00
5.000E+03	1.444E+00	1.988E+02	5.992E+01	5.893E+00	2.689E+00	4.388E+01	3.282E+01	1.215E+00
5.200E+03	1.333E+00	2.204E+02	6.185E+01	6.165E+00	2.808E+00	4.385E+01	3.239E+01	1.224E+00
5.400E+03	1.233E+00	2.416E+02	6.326E+01	6.436E+00	2.888E+00	4.205E+01	3.106E+01	1.234E+00
5.600E+03	1.147E+00	2.616E+02	6.475E+01	6.699E+00	2.924E+00	3.948E+01	2.909E+01	1.244E+00
5.800E+03	1.074E+00	2.803E+02	6.608E+01	6.955E+00	3.003E+00	3.649E+01	2.685E+01	1.254E+00
6.000E+03	1.012E+00	2.975E+02	6.726E+01	7.195E+00	3.026E+00	3.340E+01	2.482E+01	1.263E+00
6.200E+03	9.585E-01	3.134E+02	6.832E+01	7.402E+00	3.276E+00	3.117E+01	2.311E+01	1.269E+00
6.400E+03	9.118E-01	3.283E+02	6.928E+01	7.599E+00	3.336E+00	2.940E+01	2.191E+01	1.272E+00
6.600E+03	8.706E-01	3.423E+02	7.016E+01	7.777E+00	3.388E+00	2.834E+01	2.125E+01	1.273E+00
6.800E+03	8.335E-01	3.553E+02	7.100E+01	7.940E+00	3.434E+00	2.794E+01	2.109E+01	1.273E+00
7.000E+03	7.999E-01	3.700E+02	7.181E+01	8.092E+00	3.477E+00	2.807E+01	2.134E+01	1.268E+00
7.200E+03	7.687E-01	3.860E+02	7.261E+01	8.238E+00	3.517E+00	2.880E+01	2.188E+01	1.261E+00
7.400E+03	7.397E-01	3.982E+02	7.340E+01	8.388E+00	3.556E+00	2.936E+01	2.258E+01	1.258E+00
7.600E+03	7.125E-01	4.129E+02	7.419E+01	8.529E+00	3.595E+00	3.026E+01	2.331E+01	1.253E+00
7.800E+03	6.869E-01	4.290E+02	7.499E+01	8.679E+00	3.633E+00	3.094E+01	2.393E+01	1.251E+00
8.000E+03	6.624E-01	4.434E+02	7.578E+01	8.835E+00	3.671E+00	3.144E+01	2.433E+01	1.250E+00
8.200E+03	6.390E-01	4.589E+02	7.655E+01	8.996E+00	3.709E+00	3.158E+01	2.442E+01	1.252E+00
8.400E+03	6.188E-01	4.744E+02	7.731E+01	9.163E+00	3.745E+00	3.128E+01	2.413E+01	1.256E+00
8.600E+03	5.988E-01	4.896E+02	7.804E+01	9.336E+00	3.780E+00	3.052E+01	2.347E+01	1.261E+00
8.800E+03	5.802E-01	5.044E+02	7.873E+01	9.514E+00	3.813E+00	2.936E+01	2.248E+01	1.269E+00
9.000E+03	5.629E-01	5.185E+02	7.947E+01	9.695E+00	3.843E+00	2.790E+01	2.125E+01	1.279E+00
9.200E+03	5.468E-01	5.319E+02	7.997E+01	9.880E+00	3.870E+00	2.628E+01	1.988E+01	1.290E+00
9.400E+03	5.319E-01	5.444E+02	8.051E+01	1.007E+01	3.893E+00	2.462E+01	1.849E+01	1.302E+00
9.600E+03	5.181E-01	5.562E+02	8.102E+01	1.025E+01	3.914E+00	2.306E+01	1.719E+01	1.316E+00
9.800E+03	5.052E-01	5.672E+02	8.148E+01	1.043E+01	3.932E+00	2.168E+01	1.603E+01	1.329E+00
1.000E+04	4.941E-01	5.776E+02	8.190E+01	1.061E+01	3.948E+00	2.052E+01	1.507E+01	1.340E+00
1.100E+04	4.821E-01	6.243E+02	8.231E+01	1.130E+01	4.003E+00	1.826E+01	1.326E+01	1.364E+00
1.200E+04	4.077E-01	6.711E+02	8.268E+01	1.175E+01	4.049E+00	2.023E+01	1.497E+01	1.337E+00
1.300E+04	3.877E-01	7.261E+02	8.314E+01	1.214E+01	4.106E+00	2.473E+01	1.874E+01	1.298E+00
1.400E+04	3.702E-01	7.940E+02	8.340E+01	1.257E+01	4.189E+00	3.121E+01	2.402E+01	1.268E+00
1.500E+04	3.016E-01	8.813E+02	8.362E+01	1.304E+01	4.303E+00	3.945E+01	3.053E+01	1.247E+00
1.600E+04	2.730E-01	9.402E+02	8.374E+01	1.368E+01	4.457E+00	4.912E+01	3.787E+01	1.234E+00
1.700E+04	2.460E-01	1.124E+03	8.376E+01	1.436E+01	4.654E+00	5.961E+01	4.549E+01	1.228E+00
1.800E+04	2.209E-01	1.244E+03	1.015E+02	1.514E+01	4.895E+00	6.941E+01	5.258E+01	1.223E+00
1.900E+04	1.980E-01	1.407E+03	1.055E+02	1.600E+01	5.175E+00	7.872E+01	5.827E+01	1.224E+00
2.000E+04	1.775E-01	1.609E+03	1.057E+02	1.693E+01	5.498E+00	8.660E+01	6.172E+01	1.224E+00

TABLE I. - Continued

T	RHC/RHC-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
2.100E+04	1.597E-01	1.881E+03	1.139E+02	1.791E+01	5.805E+00	8.676E+01	6.244E+01	1.238E+00
2.200E+04	1.445E-01	2.093E+03	1.179E+02	1.892E+01	6.123E+00	8.483E+01	6.042E+01	1.290E+00
2.300E+04	1.318E-01	2.247E+03	1.215E+02	1.993E+01	6.421E+00	7.956E+01	5.822E+01	1.344E+00
2.400E+04	1.213E-01	2.404E+03	1.248E+02	2.094E+01	6.687E+00	7.226E+01	5.070E+01	1.398E+00
2.500E+04	1.124E-01	2.552E+03	1.276E+02	2.192E+01	6.916E+00	6.431E+01	4.481E+01	1.307E+00
2.600E+04	1.053E-01	2.801E+03	1.299E+02	2.286E+01	7.108E+00	5.679E+01	3.928E+01	1.331E+00
2.700E+04	9.923E-02	2.933E+03	1.319E+02	2.377E+01	7.266E+00	5.038E+01	3.458E+01	1.355E+00
2.800E+04	9.402E-02	3.050E+03	1.337E+02	2.461E+01	7.395E+00	4.537E+01	3.094E+01	1.376E+00
2.900E+04	8.949E-02	3.157E+03	1.352E+02	2.537E+01	7.501E+00	4.184E+01	2.843E+01	1.392E+00
3.000E+04	8.549E-02	3.258E+03	1.366E+02	2.603E+01	7.590E+00	3.975E+01	2.702E+01	1.400E+00
3.100E+04	8.189E-02	3.354E+03	1.379E+02	2.658E+01	7.668E+00	3.902E+01	2.667E+01	1.398E+00
3.200E+04	7.860E-02	3.451E+03	1.391E+02	2.705E+01	7.739E+00	3.952E+01	2.727E+01	1.389E+00
3.300E+04	7.556E-02	3.550E+03	1.404E+02	2.744E+01	7.807E+00	4.108E+01	2.869E+01	1.375E+00
3.400E+04	7.272E-02	3.654E+03	1.416E+02	2.782E+01	7.875E+00	4.344E+01	3.071E+01	1.360E+00
3.500E+04	7.000E-02	3.765E+03	1.429E+02	2.820E+01	7.945E+00	4.629E+01	3.305E+01	1.345E+00
3.600E+04	6.743E-02	3.882E+03	1.443E+02	2.862E+01	8.019E+00	4.921E+01	3.540E+01	1.334E+00
3.700E+04	6.498E-02	4.007E+03	1.456E+02	2.907E+01	8.096E+00	5.177E+01	3.741E+01	1.327E+00
3.800E+04	6.265E-02	4.137E+03	1.470E+02	2.957E+01	8.176E+00	5.363E+01	3.881E+01	1.324E+00
3.900E+04	6.045E-02	4.271E+03	1.485E+02	3.011E+01	8.257E+00	5.455E+01	3.946E+01	1.324E+00
4.000E+04	5.837E-02	4.405E+03	1.498E+02	3.069E+01	8.337E+00	5.447E+01	3.931E+01	1.326E+00
4.100E+04	5.643E-02	4.539E+03	1.512E+02	3.129E+01	8.414E+00	5.352E+01	3.846E+01	1.335E+00
4.200E+04	5.462E-02	4.669E+03	1.524E+02	3.190E+01	8.486E+00	5.191E+01	3.716E+01	1.343E+00
4.300E+04	5.293E-02	4.794E+03	1.536E+02	3.253E+01	8.553E+00	4.994E+01	3.556E+01	1.353E+00
4.400E+04	5.136E-02	4.915E+03	1.548E+02	3.315E+01	8.616E+00	4.787E+01	3.392E+01	1.364E+00
4.500E+04	4.990E-02	5.030E+03	1.558E+02	3.375E+01	8.669E+00	4.596E+01	3.241E+01	1.373E+00
4.600E+04	4.854E-02	5.142E+03	1.568E+02	3.432E+01	8.718E+00	4.439E+01	3.122E+01	1.381E+00
4.700E+04	4.728E-02	5.250E+03	1.578E+02	3.484E+01	8.763E+00	4.328E+01	3.037E+01	1.387E+00
4.800E+04	4.608E-02	5.356E+03	1.587E+02	3.532E+01	8.805E+00	4.272E+01	2.999E+01	1.388E+00
4.900E+04	4.492E-02	5.461E+03	1.595E+02	3.573E+01	8.843E+00	4.275E+01	3.009E+01	1.384E+00
5.000E+04	4.384E-02	5.567E+03	1.604E+02	3.610E+01	8.881E+00	4.336E+01	3.046E+01	1.381E+00

P/PO = 5.00E+01

T	RHC/RHC-0	H/RTD	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	3.333E+01	-3.314E+00	2.444E+01	1.242E+00	1.217E+00	2.001E+01	1.593E+01	1.192E+00
6.000E+02	2.204E+01	2.944E+00	2.905E+01	1.539E+00	1.513E+00	2.764E+01	2.029E+01	1.212E+00
7.000E+02	1.604E+01	8.902E+00	3.279E+01	1.837E+00	1.806E+00	1.927E+01	1.423E+01	1.256E+00
8.000E+02	1.316E+01	1.260E+01	3.481E+01	2.072E+00	1.927E+00	1.175E+01	8.676E+00	1.311E+00
9.000E+02	1.146E+01	1.510E+01	3.664E+01	2.252E+00	1.969E+00	8.960E+00	6.557E+00	1.346E+00
1.000E+03	1.021E+01	1.716E+01	3.829E+01	2.395E+00	1.985E+00	8.088E+00	5.896E+00	1.359E+00
1.100E+03	9.253E+00	1.913E+01	3.973E+01	2.516E+00	1.992E+00	7.199E+00	5.715E+00	1.359E+00
1.200E+03	8.469E+00	2.105E+01	3.833E+01	2.627E+00	1.995E+00	7.745E+00	5.700E+00	1.356E+00
1.300E+03	7.811E+00	2.296E+01	3.895E+01	2.730E+00	1.997E+00	7.773E+00	5.747E+00	1.351E+00
1.400E+03	7.249E+00	2.489E+01	3.953E+01	2.828E+00	1.998E+00	7.834E+00	5.818E+00	1.345E+00
1.500E+03	6.764E+00	2.684E+01	4.007E+01	2.922E+00	1.999E+00	7.908E+00	5.898E+00	1.340E+00
1.600E+03	6.340E+00	2.880E+01	4.059E+01	3.013E+00	1.999E+00	7.988E+00	5.980E+00	1.335E+00
1.700E+03	5.966E+00	3.079E+01	4.108E+01	3.100E+00	1.999E+00	8.069E+00	6.064E+00	1.330E+00
1.800E+03	5.644E+00	3.280E+01	4.154E+01	3.184E+00	1.999E+00	8.154E+00	6.149E+00	1.326E+00
1.900E+03	5.337E+00	3.483E+01	4.199E+01	3.264E+00	2.000E+00	8.244E+00	6.238E+00	1.321E+00
2.000E+03	5.070E+00	3.688E+01	4.242E+01	3.343E+00	2.000E+00	8.344E+00	6.337E+00	1.316E+00
2.100E+03	4.824E+00	3.896E+01	4.283E+01	3.422E+00	2.000E+00	8.444E+00	6.449E+00	1.312E+00
2.200E+03	4.608E+00	4.104E+01	4.323E+01	3.496E+00	2.000E+00	8.543E+00	6.564E+00	1.308E+00
2.300E+03	4.406E+00	4.323E+01	4.362E+01	3.566E+00	2.001E+00	8.780E+00	6.750E+00	1.305E+00
2.400E+03	4.221E+00	4.544E+01	4.400E+01	3.634E+00	2.002E+00	9.003E+00	6.937E+00	1.302E+00
2.500E+03	4.050E+00	4.771E+01	4.437E+01	3.699E+00	2.003E+00	9.245E+00	7.215E+00	1.298E+00
2.600E+03	3.891E+00	5.005E+01	4.475E+01	3.762E+00	2.004E+00	9.637E+00	7.534E+00	1.295E+00
2.700E+03	3.742E+00	5.250E+01	4.512E+01	3.823E+00	2.007E+00	1.007E+01	7.926E+00	1.291E+00
2.800E+03	3.603E+00	5.507E+01	4.550E+01	3.881E+00	2.010E+00	1.061E+01	8.400E+00	1.289E+00
2.900E+03	3.472E+00	5.778E+01	4.589E+01	3.939E+00	2.014E+00	1.125E+01	8.965E+00	1.286E+00
3.000E+03	3.346E+00	6.066E+01	4.629E+01	3.997E+00	2.019E+00	1.201E+01	9.630E+00	1.281E+00
3.100E+03	3.229E+00	6.375E+01	4.670E+01	4.056E+00	2.026E+00	1.290E+01	1.040E+01	1.282E+00
3.200E+03	3.115E+00	6.708E+01	4.713E+01	4.116E+00	2.034E+00	1.393E+01	1.120E+01	1.284E+00
3.300E+03	3.006E+00	7.067E+01	4.758E+01	4.178E+00	2.044E+00	1.510E+01	1.227E+01	1.287E+00
3.400E+03	2.900E+00	7.458E+01	4.805E+01	4.242E+00	2.057E+00	1.641E+01	1.337E+01	1.291E+00
3.500E+03	2.797E+00	7.883E+01	4.855E+01	4.310E+00	2.072E+00	1.788E+01	1.458E+01	1.296E+00
3.600E+03	2.696E+00	8.345E+01	4.908E+01	4.382E+00	2.089E+00	1.948E+01	1.588E+01	1.297E+00
3.700E+03	2.598E+00	8.849E+01	4.964E+01	4.458E+00	2.109E+00	2.129E+01	1.728E+01	1.298E+00
3.800E+03	2.502E+00	9.394E+01	5.024E+01	4.539E+00	2.133E+00	2.310E+01	1.875E+01	1.298E+00
3.900E+03	2.407E+00	9.954E+01	5.087E+01	4.624E+00	2.160E+00	2.508E+01	2.027E+01	1.298E+00
4.000E+03	2.314E+00	1.064E+02	5.153E+01	4.714E+00	2.190E+00	2.715E+01	2.183E+01	1.298E+00
4.100E+03	2.223E+00	1.134E+02	5.223E+01	4.809E+00	2.225E+00	2.927E+01	2.340E+01	1.298E+00
4.200E+03	2.134E+00	1.209E+02	5.296E+01	4.910E+00	2.262E+00	3.142E+01	2.495E+01	1.298E+00
4.300E+03	2.046E+00	1.289E+02	5.373E+01	5.016E+00	2.304E+00	3.366E+01	2.644E+01	1.298E+00
4.400E+03	1.962E+00	1.375E+02	5.453E+01	5.127E+00	2.349E+00	3.562E+01	2.785E+01	1.298E+00
4.500E+03	1.879E+00	1.465E+02	5.535E+01	5.243E+00	2.398E+00	3.757E+01	2.914E+01	1.298E+00
4.600E+03	1.800E+00	1.560E+02	5.620E+01	5.363E+00	2.449E+00	3.933E+01	3.027E+01	1.298E+00
4.700E+03	1.723E+00	1.654E+02	5.708E+01	5.488E+00	2.504E+00	4.086E+01	3.121E+01	1.298E+00
4.800E+03	1.650E+00	1.761E+02	5.798E+01	5.616E+00	2.560E+00	4.211E+01	3.193E+01	1.297E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
4.900E+03	1.580E+00	1.866E+02	5.882E+01	5.747E+00	2.619E+00	4.362E+01	3.240E+01	1.211E+00
5.000E+03	1.514E+00	1.973E+02	5.969E+01	5.881E+00	2.676E+00	4.356E+01	3.242E+01	1.215E+00
5.200E+03	1.394E+00	2.188E+02	6.140E+01	6.152E+00	2.797E+00	4.351E+01	3.229E+01	1.224E+00
5.400E+03	1.290E+00	2.399E+02	6.302E+01	6.422E+00	2.912E+00	4.277E+01	3.105E+01	1.234E+00
5.600E+03	1.200E+00	2.600E+02	6.451E+01	6.685E+00	3.016E+00	3.963E+01	2.918E+01	1.244E+00
5.800E+03	1.123E+00	2.788E+02	6.585E+01	6.937E+00	3.113E+00	3.671E+01	2.704E+01	1.254E+00
6.000E+03	1.057E+00	2.962E+02	6.704E+01	7.175E+00	3.196E+00	3.386E+01	2.498E+01	1.262E+00
6.200E+03	1.001E+00	3.122E+02	6.810E+01	7.391E+00	3.267E+00	3.140E+01	2.303E+01	1.269E+00
6.400E+03	5.519E-01	3.271E+02	6.907E+01	7.590E+00	3.328E+00	2.939E+01	2.203E+01	1.272E+00
6.600E+03	9.086E-01	3.414E+02	6.996E+01	7.776E+00	3.381E+00	2.847E+01	2.133E+01	1.278E+00
6.800E+03	8.648E-01	3.552E+02	7.080E+01	7.955E+00	3.428E+00	2.800E+01	2.112E+01	1.278E+00
7.000E+03	8.345E-01	3.690E+02	7.161E+01	8.088E+00	3.471E+00	2.807E+01	2.132E+01	1.266E+00
7.200E+03	8.019E-01	3.829E+02	7.240E+01	8.235E+00	3.512E+00	2.855E+01	2.162E+01	1.242E+00
7.400E+03	7.710E-01	3.972E+02	7.319E+01	8.379E+00	3.551E+00	2.928E+01	2.249E+01	1.257E+00
7.600E+03	7.433E-01	4.110E+02	7.399E+01	8.526E+00	3.590E+00	3.009E+01	2.321E+01	1.259E+00
7.800E+03	7.185E-01	4.268E+02	7.478E+01	8.676E+00	3.628E+00	3.084E+01	2.383E+01	1.251E+00
8.000E+03	6.914E-01	4.421E+02	7.556E+01	8.831E+00	3.666E+00	3.135E+01	2.425E+01	1.251E+00
8.200E+03	6.677E-01	4.576E+02	7.636E+01	8.991E+00	3.704E+00	3.152E+01	2.436E+01	1.252E+00
8.400E+03	6.454E-01	4.731E+02	7.715E+01	9.157E+00	3.740E+00	3.127E+01	2.412E+01	1.256E+00
8.600E+03	6.243E-01	4.884E+02	7.782E+01	9.329E+00	3.775E+00	3.057E+01	2.351E+01	1.261E+00
8.800E+03	6.051E-01	5.032E+02	7.852E+01	9.506E+00	3.808E+00	2.947E+01	2.256E+01	1.268E+00
9.000E+03	5.876E-01	5.174E+02	7.916E+01	9.687E+00	3.838E+00	2.805E+01	2.136E+01	1.278E+00
9.200E+03	5.702E-01	5.304E+02	7.976E+01	9.871E+00	3.866E+00	2.645E+01	2.002E+01	1.285E+00
9.400E+03	5.546E-01	5.434E+02	8.031E+01	1.006E+01	3.890E+00	2.481E+01	1.864E+01	1.301E+00
9.600E+03	5.401E-01	5.553E+02	8.082E+01	1.024E+01	3.911E+00	2.325E+01	1.734E+01	1.314E+00
9.800E+03	5.266E-01	5.664E+02	8.128E+01	1.042E+01	3.929E+00	2.185E+01	1.617E+01	1.327E+00
1.000E+04	5.140E-01	5.768E+02	8.171E+01	1.060E+01	3.945E+00	2.047E+01	1.519E+01	1.339E+00
1.200E+04	4.817E-01	6.237E+02	8.352E+01	1.130E+01	4.001E+00	1.828E+01	1.326E+01	1.365E+00
1.300E+04	4.601E-01	6.704E+02	8.517E+01	1.200E+01	4.047E+00	1.617E+01	1.166E+01	1.339E+00
1.400E+04	4.391E-01	7.249E+02	8.694E+01	1.275E+01	4.104E+00	1.445E+01	1.054E+01	1.316E+00
1.500E+04	4.186E-01	7.927E+02	8.897E+01	1.357E+01	4.184E+00	1.316E+01	9.272E+00	1.270E+00
1.600E+04	3.986E-01	8.784E+02	9.137E+01	1.446E+01	4.247E+00	1.193E+01	8.093E+00	1.248E+00
1.800E+04	3.599E-01	9.850E+02	9.417E+01	1.541E+01	4.367E+00	1.044E+01	6.845E+00	1.236E+00
1.900E+04	3.427E-01	1.118E+03	9.742E+01	1.643E+01	4.441E+00	9.011E+00	5.879E+00	1.227E+00
1.900E+04	2.310E-01	1.275E+03	1.011E+02	1.751E+01	4.578E+00	8.901E+00	5.195E+00	1.224E+00
1.900E+04	2.071E-01	1.457E+03	1.050E+02	1.866E+01	4.733E+00	7.783E+00	5.767E+00	1.224E+00
2.000E+04	1.859E-01	1.657E+03	1.092E+02	1.984E+01	4.844E+00	6.391E+00	4.124E+00	1.229E+00
2.100E+04	1.672E-01	1.867E+03	1.134E+02	2.118E+01	4.944E+00	5.276E+00	3.012E+00	1.248E+00
2.200E+04	1.513E-01	2.078E+03	1.174E+02	2.268E+01	5.044E+00	4.445E+00	2.136E+00	1.249E+00
2.300E+04	1.380E-01	2.281E+03	1.210E+02	2.434E+01	5.144E+00	3.893E+00	1.634E+00	1.244E+00
2.400E+04	1.265E-01	2.469E+03	1.243E+02	2.608E+01	5.244E+00	3.457E+00	1.265E+00	1.243E+00
2.500E+04	1.177E-01	2.639E+03	1.271E+02	2.784E+01	5.344E+00	3.089E+00	9.519E+00	1.235E+00
2.600E+04	1.101E-01	2.789E+03	1.295E+02	2.960E+01	5.444E+00	2.783E+00	7.083E+00	1.228E+00
2.700E+04	1.037E-01	2.922E+03	1.319E+02	3.137E+01	5.544E+00	2.536E+00	5.092E+00	1.224E+00
2.800E+04	9.820E-02	3.041E+03	1.332E+02	3.322E+01	5.644E+00	2.355E+00	4.583E+00	1.224E+00
2.900E+04	9.344E-02	3.149E+03	1.348E+02	3.512E+01	5.744E+00	2.219E+00	4.219E+00	1.224E+00
3.000E+04	8.924E-02	3.250E+03	1.362E+02	3.709E+01	5.844E+00	2.116E+00	3.998E+00	1.224E+00
3.100E+04	8.546E-02	3.347E+03	1.375E+02	3.904E+01	5.944E+00	2.027E+00	3.812E+00	1.224E+00
3.200E+04	8.202E-02	3.444E+03	1.387E+02	4.103E+01	6.044E+00	1.948E+00	3.648E+00	1.224E+00
3.300E+04	7.884E-02	3.543E+03	1.399E+02	4.304E+01	6.144E+00	1.879E+00	3.496E+00	1.224E+00
3.400E+04	7.586E-02	3.644E+03	1.412E+02	4.506E+01	6.244E+00	1.815E+00	3.346E+00	1.224E+00
3.500E+04	7.304E-02	3.746E+03	1.425E+02	4.709E+01	6.344E+00	1.756E+00	3.197E+00	1.224E+00
3.600E+04	7.036E-02	3.849E+03	1.438E+02	4.913E+01	6.444E+00	1.701E+00	3.049E+00	1.224E+00
3.700E+04	6.781E-02	3.954E+03	1.452E+02	5.118E+01	6.544E+00	1.649E+00	2.902E+00	1.224E+00
3.800E+04	6.538E-02	4.059E+03	1.466E+02	5.324E+01	6.644E+00	1.601E+00	2.756E+00	1.224E+00
3.900E+04	6.306E-02	4.165E+03	1.480E+02	5.531E+01	6.744E+00	1.557E+00	2.611E+00	1.224E+00
4.000E+04	6.091E-02	4.272E+03	1.494E+02	5.739E+01	6.844E+00	1.517E+00	2.467E+00	1.224E+00
4.100E+04	5.884E-02	4.379E+03	1.507E+02	5.948E+01	6.944E+00	1.480E+00	2.324E+00	1.224E+00
4.200E+04	5.699E-02	4.486E+03	1.520E+02	6.158E+01	7.044E+00	1.445E+00	2.181E+00	1.224E+00
4.300E+04	5.522E-02	4.594E+03	1.532E+02	6.368E+01	7.144E+00	1.411E+00	2.038E+00	1.224E+00
4.400E+04	5.358E-02	4.704E+03	1.543E+02	6.578E+01	7.244E+00	1.378E+00	1.895E+00	1.224E+00
4.500E+04	5.205E-02	4.814E+03	1.554E+02	6.788E+01	7.344E+00	1.346E+00	1.752E+00	1.224E+00
4.600E+04	5.063E-02	4.924E+03	1.564E+02	6.998E+01	7.444E+00	1.315E+00	1.609E+00	1.224E+00
4.700E+04	4.929E-02	5.034E+03	1.573E+02	7.208E+01	7.544E+00	1.284E+00	1.466E+00	1.224E+00
4.800E+04	4.803E-02	5.144E+03	1.582E+02	7.418E+01	7.644E+00	1.253E+00	1.323E+00	1.224E+00
4.900E+04	4.684E-02	5.254E+03	1.591E+02	7.628E+01	7.744E+00	1.222E+00	1.180E+00	1.224E+00
5.000E+04	4.571E-02	5.364E+03	1.600E+02	7.838E+01	7.844E+00	1.191E+00	1.037E+00	1.224E+00

P/PU = 6.00E+01

T	RHO/RHO-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	4.060E+01	-3.588E+00	2.400E+01	1.233E+00	1.199E+00	1.938E+01	1.503E+01	1.194E+00
6.000E+02	2.706E+01	2.401E+00	2.841E+01	1.521E+00	1.499E+00	2.718E+01	1.995E+01	1.218E+00
7.000E+02	1.954E+01	8.467E+00	3.221E+01	1.820E+00	1.779E+00	3.507E+01	2.491E+01	1.231E+00
8.000E+02	1.589E+01	1.239E+01	3.435E+01	2.060E+00	1.914E+00	4.243E+01	3.049E+01	1.240E+00
9.000E+02	1.377E+01	1.500E+01	3.560E+01	2.249E+00	1.964E+00	4.935E+00	3.777E+00	1.242E+00
1.000E+03	1.227E+01	1.713E+01	3.651E+01	2.391E+00	1.983E+00	5.196E+00	3.990E+00	1.257E+00
1.100E+03	1.111E+01	1.914E+01	3.728E+01	2.516E+00	1.991E+00	5.858E+00	5.759E+00	1.298E+00
1.200E+03	1.017E+01	2.103E+01	3.796E+01	2.626E+00	1.994E+00	7.775E+00	5.722E+00	1.355E+00

TABLE I. - Continued

T	KU/KH/J	H/KTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
1.300E+03	9.376E+00	2.295E+01	3.858E+01	2.729E+00	1.996E+00	7.790E+00	5.759E+00	1.350E+00
1.400E+03	8.701E+00	2.488E+01	3.916E+C1	2.828E+00	1.998E+00	7.844E+00	5.825E+00	1.348E+00
1.500E+03	8.118E+00	2.683E+01	3.971E+01	2.922E+00	1.998E+00	7.914E+00	5.902E+00	1.346E+00
1.600E+03	7.605E+00	2.880E+01	4.022E+01	3.012E+00	1.999E+00	7.991E+00	5.983E+00	1.338E+00
1.700E+03	7.160E+00	3.079E+01	4.071E+01	3.100E+00	1.999E+00	8.071E+00	6.069E+00	1.330E+00
1.800E+03	6.762E+00	3.280E+01	4.118E+01	3.184E+00	1.999E+00	8.154E+00	6.149E+00	1.322E+00
1.900E+03	6.405E+00	3.483E+01	4.162E+C1	3.264E+00	1.999E+00	8.242E+00	6.234E+00	1.314E+00
2.000E+03	6.084E+00	3.688E+01	4.205E+01	3.346E+00	2.000E+00	8.339E+00	6.331E+00	1.306E+00
2.100E+03	5.794E+00	3.894E+01	4.246E+01	3.422E+00	2.000E+00	8.451E+00	6.440E+00	1.298E+00
2.200E+03	5.530E+00	4.107E+01	4.284E+01	3.498E+00	2.000E+00	8.585E+00	6.560E+00	1.290E+00
2.300E+03	5.288E+00	4.322E+01	4.325E+01	3.567E+00	2.001E+00	8.752E+00	6.724E+00	1.281E+00
2.400E+03	5.066E+00	4.542E+01	4.363E+01	3.636E+00	2.001E+00	8.959E+00	6.959E+00	1.272E+00
2.500E+03	4.861E+00	4.767E+01	4.400E+01	3.701E+00	2.003E+00	9.220E+00	7.154E+00	1.263E+00
2.600E+03	4.670E+00	5.000E+C1	4.437E+C1	3.765E+00	2.004E+00	9.546E+00	7.451E+00	1.254E+00
2.700E+03	4.492E+00	5.242E+01	4.475E+01	3.828E+00	2.006E+00	9.947E+00	7.812E+00	1.245E+00
2.800E+03	4.326E+00	5.495E+01	4.512E+C1	3.885E+00	2.009E+00	1.044E+01	8.249E+00	1.236E+00
2.900E+03	4.169E+00	5.761E+01	4.550E+01	3.943E+00	2.013E+00	1.102E+01	8.749E+00	1.227E+00
3.000E+03	4.021E+00	6.043E+01	4.589E+01	4.001E+00	2.017E+00	1.172E+01	9.379E+00	1.218E+00
3.100E+03	3.879E+00	6.344E+01	4.629E+C1	4.059E+00	2.023E+00	1.254E+01	1.009E+01	1.209E+00
3.200E+03	3.744E+00	6.667E+01	4.671E+01	4.119E+00	2.031E+00	1.348E+01	1.099E+01	1.200E+00
3.300E+03	3.614E+00	7.015E+01	4.714E+01	4.180E+00	2.040E+00	1.455E+01	1.180E+01	1.221E+00
3.400E+03	3.488E+00	7.390E+01	4.760E+01	4.244E+00	2.052E+00	1.574E+01	1.242E+01	1.214E+00
3.500E+03	3.368E+00	7.795E+C1	4.808E+C1	4.310E+00	2.065E+00	1.710E+01	1.393E+01	1.206E+00
3.600E+03	3.244E+00	8.240E+01	4.858E+01	4.380E+00	2.081E+00	1.858E+01	1.513E+01	1.205E+00
3.700E+03	3.132E+00	8.720E+01	4.912E+01	4.454E+00	2.100E+00	2.018E+01	1.642E+01	1.201E+00
3.800E+03	3.018E+00	9.241E+01	4.968E+C1	4.532E+00	2.122E+00	2.191E+01	1.778E+01	1.198E+00
3.900E+03	2.907E+00	9.806E+01	5.028E+01	4.614E+00	2.144E+00	2.374E+01	1.920E+01	1.197E+00
4.000E+03	2.798E+00	1.042E+02	5.091E+01	4.701E+00	2.170E+00	2.568E+01	2.055E+01	1.195E+00
4.100E+03	2.691E+00	1.108E+02	5.157E+01	4.793E+00	2.200E+00	2.744E+01	2.213E+01	1.195E+00
4.200E+03	2.586E+00	1.174E+02	5.226E+C1	4.890E+00	2.240E+00	2.967E+01	2.360E+01	1.195E+00
4.300E+03	2.483E+00	1.254E+02	5.298E+01	4.991E+00	2.279E+00	3.169E+01	2.504E+01	1.194E+00
4.400E+03	2.383E+00	1.335E+02	5.374E+C1	5.098E+00	2.330E+00	3.368E+01	2.642E+01	1.198E+00
4.500E+03	2.286E+00	1.421E+02	5.452E+C1	5.210E+00	2.366E+00	3.559E+01	2.770E+01	1.199E+00
4.600E+03	2.191E+00	1.511E+02	5.532E+01	5.326E+00	2.414E+00	3.737E+01	2.885E+01	1.202E+00
4.700E+03	2.100E+00	1.605E+02	5.615E+C1	5.446E+00	2.465E+00	3.897E+01	2.984E+01	1.204E+00
4.800E+03	2.013E+00	1.703E+02	5.698E+01	5.570E+00	2.518E+00	4.033E+01	3.067E+01	1.208E+00
4.900E+03	1.930E+00	1.804E+02	5.783E+01	5.698E+00	2.576E+00	4.142E+01	3.129E+01	1.211E+00
5.000E+03	1.850E+00	1.907E+02	5.867E+01	5.828E+00	2.630E+00	4.220E+01	3.167E+01	1.215E+00
5.100E+03	1.764E+00	2.011E+C2	5.954E+01	5.959E+00	2.706E+00	4.274E+01	3.175E+01	1.223E+00
5.200E+03	1.684E+00	2.126E+02	6.044E+01	6.090E+00	2.800E+00	4.194E+01	3.094E+01	1.232E+00
5.300E+03	1.604E+00	2.252E+02	6.140E+01	6.222E+00	2.967E+00	4.009E+01	2.947E+01	1.242E+00
5.400E+03	1.524E+00	2.379E+02	6.240E+01	6.356E+00	3.065E+00	3.758E+01	2.740E+01	1.251E+00
5.500E+03	1.444E+00	2.507E+02	6.343E+01	6.493E+00	3.152E+00	3.489E+01	2.544E+01	1.240E+00
5.600E+03	1.364E+00	2.637E+02	6.451E+01	6.633E+00	3.228E+00	3.243E+01	2.393E+01	1.247E+00
5.700E+03	1.284E+00	2.768E+02	6.564E+01	6.776E+00	3.293E+00	3.047E+01	2.258E+01	1.271E+00
5.800E+03	1.204E+00	2.900E+02	6.682E+01	6.922E+00	3.350E+00	2.911E+01	2.149E+01	1.273E+00
5.900E+03	1.124E+00	3.034E+02	6.804E+01	7.069E+00	3.400E+00	2.837E+01	2.124E+01	1.272E+00
6.000E+03	1.044E+00	3.170E+02	6.931E+01	7.220E+00	3.445E+00	2.817E+01	2.124E+01	1.269E+00
6.100E+03	9.64E+00	3.308E+02	7.067E+01	7.374E+00	3.487E+00	2.842E+01	2.140E+01	1.265E+00
6.200E+03	8.84E+00	3.448E+02	7.212E+01	7.528E+00	3.527E+00	2.897E+01	2.214E+01	1.260E+00
6.300E+03	8.04E+00	3.590E+02	7.364E+01	7.683E+00	3.567E+00	2.967E+01	2.278E+01	1.257E+00
6.400E+03	7.24E+00	3.734E+02	7.521E+01	7.840E+00	3.605E+00	3.038E+01	2.339E+01	1.254E+00
6.500E+03	6.44E+00	3.880E+02	7.682E+01	8.000E+00	3.643E+00	3.094E+01	2.386E+01	1.253E+00
6.600E+03	5.64E+00	4.028E+02	7.842E+01	8.161E+00	3.681E+00	3.124E+01	2.409E+01	1.254E+00
6.700E+03	4.84E+00	4.178E+02	8.004E+01	8.324E+00	3.718E+00	3.118E+01	2.401E+01	1.256E+00
6.800E+03	4.04E+00	4.330E+02	8.167E+01	8.488E+00	3.753E+00	3.071E+01	2.359E+01	1.260E+00
6.900E+03	3.24E+00	4.484E+02	8.333E+01	8.654E+00	3.787E+00	2.984E+01	2.285E+01	1.267E+00
7.000E+03	2.44E+00	4.640E+02	8.500E+01	8.822E+00	3.819E+00	2.884E+01	2.182E+01	1.275E+00
7.100E+03	1.64E+00	4.798E+02	8.668E+01	9.000E+00	3.844E+00	2.719E+01	2.060E+01	1.289E+00
7.200E+03	8.44E-01	4.958E+02	8.836E+01	9.180E+00	3.873E+00	2.563E+01	1.930E+01	1.298E+00
7.300E+03	7.64E-01	5.118E+02	9.004E+01	9.360E+00	3.898E+00	2.408E+01	1.800E+01	1.308E+00
7.400E+03	6.84E-01	5.278E+02	9.172E+01	9.540E+00	3.915E+00	2.264E+01	1.680E+01	1.321E+00
7.500E+03	6.04E-01	5.438E+02	9.340E+01	9.720E+00	3.933E+00	2.137E+01	1.575E+01	1.333E+00
7.600E+03	5.24E-01	5.598E+02	9.508E+01	9.900E+00	3.953E+00	1.834E+01	1.328E+01	1.385E+00
7.700E+03	4.44E-01	5.758E+02	9.676E+01	1.008E+01	3.973E+00	1.963E+01	1.443E+01	1.368E+00
7.800E+03	3.64E-01	5.918E+02	9.844E+01	1.026E+01	3.993E+00	2.349E+01	1.765E+01	1.308E+00
7.900E+03	2.84E-01	6.078E+02	1.001E+01	1.044E+01	4.013E+00	2.244E+01	1.274E+01	1.274E+00
8.000E+03	2.04E-01	6.238E+02	1.016E+01	1.062E+01	4.033E+00	2.928E+01	2.244E+01	1.253E+00
8.100E+03	1.24E-01	6.398E+02	1.031E+01	1.080E+01	4.053E+00	3.673E+01	2.837E+01	1.238E+00
8.200E+03	4.44E-02	6.558E+02	1.046E+01	1.098E+01	4.073E+00	4.270E+01	3.514E+01	1.238E+00
8.300E+03	3.64E-02	6.718E+02	1.061E+01	1.116E+01	4.093E+00	4.557E+01	4.233E+01	1.238E+00
8.400E+03	2.84E-02	6.878E+02	1.076E+01	1.134E+01	4.113E+00	5.530E+01	4.921E+01	1.238E+00
8.500E+03	2.04E-02	7.038E+02	1.091E+01	1.152E+01	4.133E+00	7.390E+01	5.302E+01	1.244E+00
8.600E+03	1.24E-02	7.198E+02	1.106E+01	1.170E+01	4.153E+00	9.902E+01	5.902E+01	1.237E+00
8.700E+03	4.44E-03	7.358E+02	1.121E+01	1.188E+01	4.173E+00	8.048E+01	6.065E+01	1.234E+00
8.800E+03	3.64E-03	7.518E+02	1.136E+01	1.206E+01	4.193E+00	8.383E+01	6.465E+01	1.243E+00
8.900E+03	2.84E-03	7.678E+02	1.151E+01	1.224E+01	4.213E+00	8.359E+01	6.472E+01	1.248E+00
9.000E+03	2.04E-03	7.838E+02	1.166E+01	1.242E+01	4.233E+00	5.980E+01	4.140E+01	1.319E+00
9.100E+03	1.24E-03	7.998E+02	1.181E+01	1.260E+01	4.253E+00	5.311E+01	3.643E+01	1.342E+00
9.200E+03	4.44E-04	8.158E+02	1.196E+01	1.278E+01	4.273E+00	4.794E+01	3.271E+01	1.364E+00
9.300E+03	3.64E-04	8.318E+02	1.211E+01	1.296E+01	4.293E+00	4.388E+01	2.978E+01	1.382E+00
9.400E+03	2.84E-04	8.478E+02	1.226E+01	1.314E+01	4.313E+00	4.115E+01	2.788E+01	1.394E+00
9.500E+03	2.04E-04	8.638E+02	1.241E+01	1.332E+01	4.333E+00	3.971E+01	2.698E+01	1.398E+00
9.600E+03	1.24E-04	8.798E+02	1.256E+01	1.350E+01	4.353E+00	3.974E+01	2.700E+01	1.394E+00
9.700E+03	4.44E-05	8.958E+02	1.271E+01	1.368E+01	4.373E+00	3.977E+01	2.705E+01	1.384E+00
9.800E+03	3.64E-05	9.118E+02	1.286E+01	1.386E+01	4.393E+00	4.030E+01	2.785E+01	1.364E+00
9.900E+03	2.84E-05	9.278E+02	1.301E+01	1.404E+01	4.413E+00	4.202E+01	2.937E+01	1.376E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/P	A/AU	Z	CP/R	CV/R	GAMMA
3.500E+04	8.133E-02	3.717E+03	1.406E+02	2.810E+01	7.871E+00	4.438E+01	3.136E+01	1.296E+00
3.600E+04	8.510E-02	3.829E+03	1.419E+02	2.858E+01	7.943E+00	4.704E+01	3.353E+01	1.344E+00
3.700E+04	8.202E-02	3.949E+03	1.432E+02	2.901E+01	8.018E+00	4.964E+01	3.560E+01	1.399E+00
3.800E+04	7.910E-02	4.074E+03	1.446E+02	2.948E+01	8.095E+00	5.181E+01	3.728E+01	1.329E+00
3.900E+04	7.632E-02	4.203E+03	1.459E+02	2.999E+01	8.175E+00	5.328E+01	3.837E+01	1.327E+00
4.000E+04	7.370E-02	4.336E+03	1.473E+02	3.054E+01	8.254E+00	5.388E+01	3.877E+01	1.329E+00
4.100E+04	7.123E-02	4.466E+03	1.486E+02	3.111E+01	8.333E+00	5.361E+01	3.848E+01	1.333E+00
4.200E+04	6.891E-02	4.599E+03	1.499E+02	3.171E+01	8.407E+00	5.299E+01	3.761E+01	1.340E+00
4.300E+04	6.675E-02	4.727E+03	1.511E+02	3.232E+01	8.478E+00	5.104E+01	3.634E+01	1.348E+00
4.400E+04	6.474E-02	4.851E+03	1.523E+02	3.294E+01	8.543E+00	4.921E+01	3.488E+01	1.358E+00
4.500E+04	6.286E-02	4.970E+03	1.533E+02	3.354E+01	8.602E+00	4.734E+01	3.339E+01	1.368E+00
4.600E+04	6.111E-02	5.084E+03	1.544E+02	3.413E+01	8.656E+00	4.563E+01	3.206E+01	1.376E+00
4.700E+04	5.947E-02	5.195E+03	1.553E+02	3.469E+01	8.705E+00	4.425E+01	3.101E+01	1.383E+00
4.800E+04	5.794E-02	5.303E+03	1.563E+02	3.520E+01	8.750E+00	4.311E+01	3.031E+01	1.388E+00
4.900E+04	5.648E-02	5.409E+03	1.571E+02	3.566E+01	8.792E+00	4.246E+01	3.003E+01	1.389E+00
5.000E+04	5.511E-02	5.515E+03	1.580E+02	3.607E+01	8.831E+00	4.246E+01	3.018E+01	1.386E+00

P/PU = 7.00E+01

T	RHO/RHO-0	H/RTO	S/P	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	4.793E+01	-3.804E+00	2.364E+01	1.227E+00	1.184E+00	1.839E+01	1.431E+01	1.155E+00
6.000E+02	3.219E+01	1.952E+00	2.788E+01	1.506E+00	1.470E+00	2.664E+01	1.998E+01	1.210E+00
7.000E+02	2.311E+01	8.073E+00	3.171E+01	1.805E+00	1.755E+00	2.105E+01	1.544E+01	1.248E+00
8.000E+02	1.866E+01	1.219E+01	3.355E+01	2.050E+00	1.902E+00	1.305E+01	9.622E+00	1.299E+00
9.000E+02	1.611E+01	1.490E+01	3.526E+01	2.239E+00	1.958E+00	9.540E+00	6.988E+00	1.338E+00
1.000E+03	1.434E+01	1.708E+01	3.619E+01	2.388E+00	1.980E+00	8.321E+00	6.083E+00	1.355E+00
1.100E+03	1.296E+01	1.908E+01	3.656E+01	2.513E+00	1.989E+00	7.189E+00	5.801E+00	1.357E+00
1.200E+03	1.187E+01	2.101E+01	3.764E+01	2.625E+00	1.993E+00	7.406E+00	5.744E+00	1.355E+00
1.300E+03	1.094E+01	2.294E+01	3.827E+01	2.729E+00	1.996E+00	7.807E+00	5.771E+00	1.358E+00
1.400E+03	1.015E+01	2.488E+01	3.885E+01	2.827E+00	1.997E+00	7.854E+00	5.831E+00	1.345E+00
1.500E+03	9.473E+00	2.683E+01	3.940E+01	2.921E+00	1.998E+00	7.921E+00	5.906E+00	1.348E+00
1.600E+03	8.878E+00	2.880E+01	3.994E+01	3.012E+00	1.998E+00	7.995E+00	5.985E+00	1.335E+00
1.700E+03	8.355E+00	3.078E+01	4.046E+01	3.100E+00	1.999E+00	8.074E+00	6.068E+00	1.330E+00
1.800E+03	7.889E+00	3.279E+01	4.087E+01	3.184E+00	1.999E+00	8.155E+00	6.148E+00	1.326E+00
1.900E+03	7.473E+00	3.482E+01	4.131E+01	3.266E+00	1.999E+00	8.241E+00	6.234E+00	1.321E+00
2.000E+03	7.099E+00	3.688E+01	4.174E+01	3.346E+00	2.000E+00	8.335E+00	6.327E+00	1.317E+00
2.100E+03	6.768E+00	3.895E+01	4.215E+01	3.422E+00	2.000E+00	8.443E+00	6.425E+00	1.312E+00
2.200E+03	6.452E+00	4.106E+01	4.255E+01	3.497E+00	2.000E+00	8.572E+00	6.555E+00	1.307E+00
2.300E+03	6.170E+00	4.321E+01	4.294E+01	3.568E+00	2.001E+00	8.729E+00	6.703E+00	1.302E+00
2.400E+03	5.911E+00	4.540E+01	4.332E+01	3.637E+00	2.001E+00	8.925E+00	6.886E+00	1.295E+00
2.500E+03	5.671E+00	4.764E+01	4.369E+01	3.703E+00	2.002E+00	9.170E+00	7.110E+00	1.288E+00
2.600E+03	5.449E+00	4.995E+01	4.406E+01	3.767E+00	2.004E+00	9.475E+00	7.387E+00	1.281E+00
2.700E+03	5.243E+00	5.235E+01	4.443E+01	3.828E+00	2.006E+00	9.849E+00	7.725E+00	1.273E+00
2.800E+03	5.049E+00	5.485E+01	4.480E+01	3.888E+00	2.008E+00	1.031E+01	8.131E+00	1.265E+00
2.900E+03	4.866E+00	5.748E+01	4.517E+01	3.946E+00	2.012E+00	1.085E+01	8.616E+00	1.256E+00
3.000E+03	4.694E+00	6.025E+01	4.555E+01	4.004E+00	2.016E+00	1.150E+01	9.184E+00	1.247E+00
3.100E+03	4.530E+00	6.320E+01	4.593E+01	4.063E+00	2.022E+00	1.224E+01	9.842E+00	1.239E+00
3.200E+03	4.373E+00	6.635E+01	4.633E+01	4.122E+00	2.029E+00	1.313E+01	1.059E+01	1.231E+00
3.300E+03	4.222E+00	6.973E+01	4.678E+01	4.182E+00	2.037E+00	1.413E+01	1.144E+01	1.224E+00
3.400E+03	4.077E+00	7.338E+01	4.722E+01	4.245E+00	2.046E+00	1.525E+01	1.238E+01	1.218E+00
3.500E+03	3.937E+00	7.731E+01	4.766E+01	4.310E+00	2.056E+00	1.650E+01	1.342E+01	1.212E+00
3.600E+03	3.800E+00	8.157E+01	4.817E+01	4.379E+00	2.066E+00	1.787E+01	1.454E+01	1.207E+00
3.700E+03	3.666E+00	8.619E+01	4.886E+01	4.451E+00	2.076E+00	1.937E+01	1.574E+01	1.204E+00
3.800E+03	3.536E+00	9.114E+01	4.922E+01	4.527E+00	2.113E+00	2.098E+01	1.702E+01	1.201E+00
3.900E+03	3.408E+00	9.639E+01	4.979E+01	4.607E+00	2.136E+00	2.249E+01	1.835E+01	1.199E+00
4.000E+03	3.293E+00	1.024E+02	5.039E+01	4.691E+00	2.162E+00	2.449E+01	1.972E+01	1.196E+00
4.100E+03	3.181E+00	1.087E+02	5.103E+01	4.780E+00	2.191E+00	2.636E+01	2.112E+01	1.197E+00
4.200E+03	3.066E+00	1.155E+02	5.189E+01	4.874E+00	2.223E+00	2.827E+01	2.253E+01	1.197E+00
4.300E+03	2.925E+00	1.227E+02	5.238E+01	4.973E+00	2.259E+00	3.020E+01	2.391E+01	1.198E+00
4.400E+03	2.806E+00	1.304E+02	5.310E+01	5.076E+00	2.298E+00	3.212E+01	2.525E+01	1.198E+00
4.500E+03	2.698E+00	1.384E+02	5.384E+01	5.186E+00	2.340E+00	3.394E+01	2.651E+01	1.200E+00
4.600E+03	2.587E+00	1.472E+02	5.441E+01	5.296E+00	2.386E+00	3.574E+01	2.767E+01	1.202E+00
4.700E+03	2.482E+00	1.562E+02	5.502E+01	5.413E+00	2.434E+00	3.736E+01	2.871E+01	1.203E+00
4.800E+03	2.380E+00	1.654E+02	5.620E+01	5.533E+00	2.485E+00	3.879E+01	2.954E+01	1.206E+00
4.900E+03	2.283E+00	1.73E+02	5.702E+01	5.657E+00	2.537E+00	3.999E+01	3.028E+01	1.211E+00
5.000E+03	2.191E+00	1.853E+02	5.783E+01	5.786E+00	2.592E+00	4.093E+01	3.079E+01	1.214E+00
5.100E+03	2.019E+00	2.025E+02	5.946E+01	6.049E+00	2.704E+00	4.150E+01	3.117E+01	1.222E+00
5.200E+03	1.867E+00	2.244E+02	6.104E+01	6.307E+00	2.816E+00	4.162E+01	3.071E+01	1.231E+00
5.300E+03	1.731E+00	2.466E+02	6.253E+01	6.569E+00	2.923E+00	4.025E+01	2.956E+01	1.240E+00
5.400E+03	1.619E+00	2.659E+02	6.391E+01	6.823E+00	3.023E+00	3.812E+01	2.793E+01	1.249E+00
5.500E+03	1.520E+00	2.844E+02	6.516E+01	7.066E+00	3.113E+00	3.567E+01	2.616E+01	1.258E+00
5.600E+03	1.435E+00	3.009E+02	6.628E+01	7.295E+00	3.192E+00	3.327E+01	2.448E+01	1.265E+00
5.700E+03	1.364E+00	3.168E+02	6.730E+01	7.507E+00	3.261E+00	3.124E+01	2.304E+01	1.270E+00
5.800E+03	1.295E+00	3.317E+02	6.824E+01	7.701E+00	3.321E+00	2.972E+01	2.203E+01	1.273E+00
5.900E+03	1.237E+00	3.461E+02	6.911E+01	7.879E+00	3.376E+00	2.877E+01	2.148E+01	1.273E+00
6.000E+03	1.185E+00	3.601E+02	6.993E+01	8.043E+00	3.421E+00	2.837E+01	2.132E+01	1.271E+00
6.100E+03	1.136E+00	3.741E+02	7.073E+01	8.198E+00	3.465E+00	2.841E+01	2.149E+01	1.267E+00
6.200E+03	1.094E+00	3.881E+02	7.151E+01	8.347E+00	3.508E+00	2.879E+01	2.191E+01	1.263E+00
6.300E+03	1.053E+00	4.024E+02	7.229E+01	8.494E+00	3.546E+00	2.938E+01	2.246E+01	1.259E+00
6.400E+03	1.015E+00	4.171E+02	7.306E+01	8.642E+00	3.585E+00	3.003E+01	2.307E+01	1.257E+00
6.500E+03	9.794E-01	4.320E+02	7.382E+01	8.794E+00	3.623E+00	3.080E+01	2.352E+01	1.255E+00
6.600E+03	9.456E-01	4.472E+02	7.458E+01	8.949E+00	3.661E+00	3.057E+01	2.382E+01	1.253E+00
6.700E+03	9.139E-01	4.625E+02	7.533E+01	9.110E+00	3.698E+00	3.144E+01	2.386E+01	1.257E+00
6.800E+03	8.840E-01	4.777E+02	7.606E+01	9.275E+00	3.734E+00	3.075E+01	2.359E+01	1.260E+00
6.900E+03	8.561E-01	4.927E+02	7.678E+01	9.445E+00	3.768E+00	3.007E+01	2.300E+01	1.266E+00

TABLE I.- Continued

T	RHO/RHO-0	H/RTC	S/R	A/A0	Z	CP/R	CV/R	GAMMA
9.000E+03	8.299E-01	5.073E+02	7.742E+C1	9.620E+00	3.801E+00	2.904E+01	2.213E+01	1.275E+00
9.200E+03	8.056E-01	5.213E+02	7.805E+C1	9.798E+00	3.830E+00	2.774E+01	2.104E+01	1.265E+00
9.400E+03	7.829E-01	5.366E+02	7.863E+C1	9.979E+00	3.857E+00	2.628E+01	1.981E+01	1.255E+00
9.600E+03	7.619E-01	5.472E+02	7.916E+C1	1.014E+01	3.881E+00	2.477E+01	1.855E+01	1.245E+00
9.800E+03	7.422E-01	5.590E+02	7.964E+C1	1.034E+01	3.903E+00	2.332E+01	1.734E+01	1.235E+00
1.000E+04	7.239E-01	5.702E+02	8.012E+C1	1.052E+01	3.921E+00	2.200E+01	1.625E+01	1.225E+00
1.100E+04	6.474E-01	6.149E+02	8.200E+C1	1.124E+01	3.986E+00	1.844E+01	1.334E+01	1.205E+00
1.200E+04	5.867E-01	6.647E+02	8.362E+C1	1.178E+01	4.032E+00	1.928E+01	1.413E+01	1.195E+00
1.300E+04	5.348E-01	7.161E+02	8.528E+C1	1.218E+01	4.063E+00	2.274E+01	1.705E+01	1.185E+00
1.400E+04	4.882E-01	7.783E+C2	8.715E+C1	1.259E+01	4.153E+00	2.807E+01	2.145E+01	1.175E+00
1.500E+04	4.454E-01	8.557E+C2	8.932E+C1	1.305E+01	4.249E+00	3.502E+01	2.701E+01	1.165E+00
1.600E+04	4.033E-01	9.520E+C2	9.183E+C1	1.359E+01	4.378E+00	4.332E+01	3.343E+01	1.155E+00
1.700E+04	3.676E-01	1.070E+C3	9.473E+C1	1.422E+01	4.543E+00	5.254E+01	4.029E+01	1.145E+00
1.800E+04	3.323E-01	1.211E+C3	9.800E+C1	1.492E+01	4.747E+00	6.157E+01	4.690E+01	1.135E+00
1.900E+04	2.994E-01	1.375E+C3	1.014E+C2	1.570E+01	4.984E+00	7.064E+01	5.282E+01	1.125E+00
2.000E+04	2.700E-01	1.558E+C3	1.054E+C2	1.655E+01	5.257E+00	7.751E+01	5.709E+01	1.115E+00
2.100E+04	2.437E-01	1.754E+C3	1.093E+C2	1.747E+01	5.547E+00	8.154E+01	5.923E+01	1.105E+00
2.200E+04	2.208E-01	1.957E+C3	1.131E+C2	1.842E+01	5.844E+00	8.229E+01	5.903E+01	1.095E+00
2.300E+04	2.012E-01	2.157E+C3	1.167E+C2	1.939E+01	6.134E+00	7.982E+C1	5.667E+01	1.085E+00
2.400E+04	1.847E-01	2.348E+C3	1.202E+C2	2.037E+01	6.402E+00	7.487E+01	5.269E+01	1.075E+00
2.500E+04	1.708E-01	2.524E+C3	1.223E+C2	2.134E+01	6.648E+00	6.847E+01	4.781E+01	1.065E+00
2.600E+04	1.592E-01	2.684E+C3	1.255E+C2	2.229E+01	6.860E+00	6.166E+01	4.272E+01	1.055E+00
2.700E+04	1.493E-01	2.824E+C3	1.277E+C2	2.321E+01	7.041E+00	5.525E+01	3.799E+01	1.045E+00
2.800E+04	1.410E-01	2.957E+C3	1.294E+C2	2.409E+01	7.193E+00	4.975E+01	3.394E+01	1.035E+00
2.900E+04	1.337E-01	3.074E+C3	1.312E+C2	2.490E+01	7.320E+00	4.540E+01	3.081E+01	1.025E+00
3.000E+04	1.274E-01	3.182E+C3	1.327E+C2	2.565E+01	7.427E+00	4.229E+01	2.861E+01	1.015E+00
3.100E+04	1.214E-01	3.283E+C3	1.341E+C2	2.630E+01	7.519E+00	4.041E+01	2.734E+01	1.005E+00
3.200E+04	1.167E-01	3.382E+C3	1.353E+C2	2.680E+01	7.601E+00	3.970E+01	2.718E+01	1.000E+00
3.300E+04	1.121E-01	3.480E+C3	1.364E+C2	2.734E+01	7.675E+00	4.005E+01	2.749E+01	1.000E+00
3.400E+04	1.078E-01	3.580E+C3	1.374E+C2	2.776E+01	7.744E+00	4.132E+01	2.866E+01	1.000E+00
3.500E+04	1.038E-01	3.684E+C3	1.389E+C2	2.815E+01	7.810E+00	4.329E+01	3.036E+01	1.000E+00
3.600E+04	9.997E-02	3.754E+C3	1.403E+C2	2.855E+01	7.868E+00	4.569E+01	3.235E+01	1.000E+00
3.700E+04	9.637E-02	3.909E+C3	1.415E+C2	2.897E+01	7.961E+00	4.820E+01	3.436E+01	1.000E+00
3.800E+04	9.294E-02	4.031E+C3	1.429E+C2	2.942E+01	8.038E+00	5.047E+01	3.614E+01	1.000E+00
3.900E+04	8.964E-02	4.158E+C3	1.442E+C2	2.991E+01	8.116E+00	5.220E+01	3.766E+01	1.000E+00
4.000E+04	8.660E-02	4.282E+C3	1.455E+C2	3.044E+01	8.195E+00	5.318E+01	3.817E+01	1.000E+00
4.100E+04	8.389E-02	4.414E+C3	1.468E+C2	3.100E+01	8.273E+00	5.336E+C1	3.823E+01	1.000E+00
4.200E+04	8.095E-02	4.550E+C3	1.481E+C2	3.158E+01	8.349E+00	5.277E+01	3.770E+01	1.000E+00
4.300E+04	7.839E-02	4.679E+C3	1.493E+C2	3.219E+01	8.422E+00	5.157E+01	3.670E+01	1.000E+00
4.400E+04	7.600E-02	4.804E+C3	1.505E+C2	3.274E+01	8.489E+00	4.998E+01	3.542E+01	1.000E+00
4.500E+04	7.377E-02	4.925E+C3	1.516E+C2	3.334E+01	8.552E+00	4.823E+01	3.402E+01	1.000E+00
4.600E+04	7.169E-02	5.042E+C3	1.527E+C2	3.399E+01	8.609E+00	4.652E+01	3.268E+01	1.000E+00
4.700E+04	6.974E-02	5.155E+C3	1.538E+C2	3.456E+01	8.661E+00	4.502E+01	3.153E+01	1.000E+00
4.800E+04	6.791E-02	5.264E+C3	1.548E+C2	3.509E+01	8.708E+00	4.368E+01	3.047E+01	1.000E+00
4.900E+04	6.619E-02	5.371E+C3	1.555E+C2	3.558E+01	8.752E+00	4.317E+01	3.017E+01	1.000E+00
5.000E+04	6.457E-02	5.477E+C3	1.563E+C2	3.603E+01	8.794E+00	4.295E+01	3.006E+01	1.000E+00

P/P0 = 8.00E+01

T	RHO/RHO-0	H/RTC	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	5.532E+01	-3.974E+00	2.334E+C1	1.221E+00	1.173E+00	1.757E+01	1.371E+01	1.146E+00
6.000E+02	3.740E+01	1.572E+00	2.742E+C1	1.493E+00	1.444E+00	2.408E+01	1.919E+01	1.299E+00
7.000E+02	2.675E+01	7.713E+00	3.127E+C1	1.792E+00	1.733E+00	2.145E+01	1.584E+01	1.245E+00
8.000E+02	2.144E+01	1.199E+01	3.366E+C1	2.040E+00	1.890E+00	1.843E+01	1.363E+01	1.245E+00
9.000E+02	1.844E+01	1.441E+01	3.495E+C1	2.233E+00	1.952E+00	1.614E+01	1.191E+01	1.335E+00
1.000E+03	1.641E+01	1.703E+01	3.590E+C1	2.384E+00	1.977E+00	1.444E+01	1.017E+01	1.353E+00
1.100E+03	1.484E+01	1.905E+01	3.668E+C1	2.511E+00	1.987E+00	1.276E+01	8.644E+00	1.354E+00
1.200E+03	1.357E+01	2.103E+01	3.737E+01	2.624E+00	1.993E+00	1.136E+01	7.364E+00	1.354E+00
1.300E+03	1.251E+01	2.293E+01	3.802E+C1	2.724E+00	1.995E+00	1.024E+01	6.324E+00	1.350E+00
1.400E+03	1.161E+01	2.487E+01	3.858E+01	2.827E+00	1.997E+00	9.244E+00	5.530E+00	1.345E+00
1.500E+03	1.083E+01	2.682E+01	3.913E+01	2.921E+00	1.998E+00	8.277E+00	4.910E+00	1.340E+00
1.600E+03	1.015E+01	2.879E+01	3.965E+01	3.012E+00	1.998E+00	7.499E+00	4.408E+00	1.335E+00
1.700E+03	9.549E+00	3.078E+01	4.013E+01	3.100E+00	1.999E+00	6.807E+00	4.047E+00	1.330E+00
1.800E+03	9.017E+00	3.279E+01	4.060E+01	3.184E+00	1.999E+00	6.194E+00	3.749E+00	1.324E+00
1.900E+03	8.541E+00	3.482E+01	4.105E+01	3.264E+00	1.999E+00	5.640E+00	3.421E+00	1.321E+00
2.000E+03	8.113E+00	3.687E+01	4.147E+01	3.344E+00	1.999E+00	5.132E+00	3.124E+00	1.317E+00
2.100E+03	7.726E+00	3.895E+01	4.189E+01	3.424E+00	2.000E+00	4.673E+00	2.846E+00	1.312E+00
2.200E+03	7.374E+00	4.104E+01	4.228E+01	3.497E+00	2.000E+00	4.261E+00	2.585E+00	1.308E+00
2.300E+03	7.051E+00	4.320E+01	4.267E+01	3.569E+00	2.000E+00	3.891E+00	2.346E+00	1.302E+00
2.400E+03	6.755E+00	4.538E+01	4.305E+01	3.638E+00	2.001E+00	3.560E+00	2.126E+00	1.294E+00
2.500E+03	6.482E+00	4.747E+01	4.342E+01	3.704E+00	2.002E+00	3.260E+00	1.930E+00	1.286E+00
2.600E+03	6.229E+00	4.929E+01	4.379E+01	3.768E+00	2.003E+00	2.981E+00	1.753E+00	1.278E+00
2.700E+03	5.993E+00	5.120E+01	4.415E+01	3.830E+00	2.003E+00	2.721E+00	1.594E+00	1.270E+00
2.800E+03	5.772E+00	5.320E+01	4.452E+01	3.890E+00	2.004E+00	2.480E+00	1.450E+00	1.262E+00
2.900E+03	5.564E+00	5.537E+01	4.489E+01	3.949E+00	2.011E+00	2.251E+00	1.319E+00	1.250E+00
3.000E+03	5.367E+00	5.761E+01	4.526E+01	4.007E+00	2.015E+00	2.032E+00	1.192E+00	1.239E+00
3.100E+03	5.182E+00	6.011E+01	4.563E+01	4.065E+00	2.020E+00	1.823E+00	1.074E+00	1.231E+00
3.200E+03	5.002E+00	6.261E+01	4.603E+01	4.124E+00	2.027E+00	1.624E+00	1.005E+00	1.224E+00
3.300E+03	4.831E+00	6.496E+01	4.644E+01	4.184E+00	2.035E+00	1.437E+00	1.114E+00	1.227E+00

TABLE I. - Continued

T	K/D/KH/J	H/K/T/J	S/R	A/AD	Z	CP/R	CV/R	GAMMA
3.400E+03	4.067E+00	7.295E+01	4.489E+01	4.247E+00	2.045E+00	1.484E+01	1.203E+01	1.220E+00
3.500E+03	4.507E+00	7.670E+01	4.734E+01	4.311E+00	2.057E+00	1.601E+01	1.300E+01	1.218E+00
3.600E+03	4.955E+00	8.091E+01	4.782E+01	4.378E+00	2.070E+00	1.730E+01	1.400E+01	1.210E+00
3.700E+03	4.202E+00	8.537E+01	4.831E+01	4.449E+00	2.087E+00	1.871E+01	1.519E+01	1.208E+00
3.800E+03	4.055E+00	9.019E+01	4.884E+01	4.523E+00	2.105E+00	2.022E+01	1.640E+01	1.203E+00
3.900E+03	3.911E+00	9.540E+01	4.939E+01	4.602E+00	2.127E+00	2.155E+01	1.766E+01	1.201E+00
4.000E+03	3.770E+00	1.010E+02	4.996E+01	4.684E+00	2.151E+00	2.353E+01	1.896E+01	1.199E+00
4.100E+03	3.632E+00	1.071E+02	5.057E+01	4.771E+00	2.179E+00	2.530E+01	2.030E+01	1.197E+00
4.200E+03	3.497E+00	1.135E+02	5.120E+01	4.862E+00	2.209E+00	2.713E+01	2.164E+01	1.196E+00
4.300E+03	3.364E+00	1.205E+02	5.187E+01	4.958E+00	2.243E+00	2.898E+01	2.297E+01	1.195E+00
4.400E+03	3.234E+00	1.279E+02	5.256E+01	5.058E+00	2.280E+00	3.082E+01	2.427E+01	1.200E+00
4.500E+03	3.108E+00	1.357E+02	5.327E+01	5.163E+00	2.320E+00	3.263E+01	2.551E+01	1.201E+00
4.600E+03	2.985E+00	1.440E+02	5.401E+01	5.272E+00	2.362E+00	3.436E+01	2.667E+01	1.202E+00
4.700E+03	2.866E+00	1.527E+02	5.477E+01	5.386E+00	2.408E+00	3.598E+01	2.772E+01	1.205E+00
4.800E+03	2.751E+00	1.617E+02	5.555E+01	5.503E+00	2.457E+00	3.745E+01	2.863E+01	1.208E+00
4.900E+03	2.641E+00	1.711E+02	5.635E+01	5.624E+00	2.507E+00	3.872E+01	2.939E+01	1.211E+00
5.000E+03	2.535E+00	1.808E+02	5.713E+01	5.748E+00	2.560E+00	3.978E+01	2.998E+01	1.214E+00
5.100E+03	2.433E+00	2.008E+02	5.802E+01	5.872E+00	2.616E+00	4.104E+01	3.056E+01	1.222E+00
5.200E+03	2.336E+00	2.211E+02	5.892E+01	6.003E+00	2.676E+00	4.177E+01	3.094E+01	1.236E+00
5.300E+03	2.243E+00	2.418E+02	5.982E+01	6.138E+00	2.740E+00	4.222E+01	2.993E+01	1.239E+00
5.400E+03	2.154E+00	2.629E+02	6.072E+01	6.277E+00	2.805E+00	4.242E+01	2.885E+01	1.246E+00
5.500E+03	2.069E+00	2.854E+02	6.161E+01	6.417E+00	2.874E+00	4.235E+01	2.762E+01	1.246E+00
5.600E+03	1.987E+00	3.094E+02	6.255E+01	6.558E+00	2.947E+00	4.195E+01	2.628E+01	1.245E+00
5.700E+03	1.908E+00	3.348E+02	6.354E+01	6.700E+00	3.024E+00	4.130E+01	2.474E+01	1.243E+00
5.800E+03	1.832E+00	3.616E+02	6.458E+01	6.844E+00	3.105E+00	4.042E+01	2.294E+01	1.239E+00
5.900E+03	1.759E+00	3.898E+02	6.567E+01	7.000E+00	3.190E+00	3.930E+01	2.094E+01	1.233E+00
6.000E+03	1.689E+00	4.194E+02	6.681E+01	7.168E+00	3.278E+00	3.795E+01	1.878E+01	1.225E+00
6.100E+03	1.622E+00	4.504E+02	6.800E+01	7.348E+00	3.369E+00	3.638E+01	1.640E+01	1.215E+00
6.200E+03	1.558E+00	4.827E+02	6.924E+01	7.539E+00	3.462E+00	3.462E+01	1.280E+01	1.202E+00
6.300E+03	1.497E+00	5.164E+02	7.053E+01	7.742E+00	3.557E+00	3.268E+01	1.000E+01	1.186E+00
6.400E+03	1.439E+00	5.516E+02	7.186E+01	7.957E+00	3.654E+00	3.058E+01	7.000E+00	1.169E+00
6.500E+03	1.384E+00	5.884E+02	7.324E+01	8.184E+00	3.752E+00	2.833E+01	4.000E+00	1.151E+00
6.600E+03	1.331E+00	6.268E+02	7.467E+01	8.423E+00	3.851E+00	2.604E+01	2.000E+00	1.132E+00
6.700E+03	1.280E+00	6.668E+02	7.615E+01	8.674E+00	3.950E+00	2.371E+01	0.000E+00	1.112E+00
6.800E+03	1.231E+00	7.084E+02	7.768E+01	8.937E+00	4.049E+00	2.135E+01	0.000E+00	1.091E+00
6.900E+03	1.184E+00	7.516E+02	7.926E+01	9.212E+00	4.148E+00	1.896E+01	0.000E+00	1.069E+00
7.000E+03	1.139E+00	7.962E+02	8.089E+01	9.497E+00	4.247E+00	1.654E+01	0.000E+00	1.046E+00
7.100E+03	1.095E+00	8.432E+02	8.267E+01	9.792E+00	4.346E+00	1.409E+01	0.000E+00	1.022E+00
7.200E+03	1.053E+00	8.906E+02	8.450E+01	1.009E+01	4.445E+00	1.162E+01	0.000E+00	1.000E+00
7.300E+03	1.012E+00	9.399E+02	8.638E+01	1.047E+01	4.544E+00	9.120E+00	0.000E+00	0.979E+00
7.400E+03	9.73E-01	9.912E+02	8.836E+01	1.086E+01	4.643E+00	6.580E+00	0.000E+00	0.958E+00
7.500E+03	9.35E-01	1.044E+03	9.044E+01	1.125E+01	4.742E+00	4.020E+00	0.000E+00	0.937E+00
7.600E+03	8.98E-01	1.098E+03	9.282E+01	1.164E+01	4.841E+00	1.400E+00	0.000E+00	0.916E+00
7.700E+03	8.62E-01	1.153E+03	9.530E+01	1.203E+01	4.940E+00	0.000E+00	0.000E+00	0.895E+00
7.800E+03	8.27E-01	1.209E+03	9.788E+01	1.242E+01	5.039E+00	0.000E+00	0.000E+00	0.874E+00
7.900E+03	7.93E-01	1.266E+03	1.005E+02	1.281E+01	5.138E+00	0.000E+00	0.000E+00	0.853E+00
8.000E+03	7.60E-01	1.324E+03	1.033E+02	1.320E+01	5.237E+00	0.000E+00	0.000E+00	0.832E+00
8.100E+03	7.28E-01	1.383E+03	1.062E+02	1.359E+01	5.336E+00	0.000E+00	0.000E+00	0.811E+00
8.200E+03	6.97E-01	1.443E+03	1.092E+02	1.398E+01	5.435E+00	0.000E+00	0.000E+00	0.790E+00
8.300E+03	6.67E-01	1.504E+03	1.123E+02	1.437E+01	5.534E+00	0.000E+00	0.000E+00	0.769E+00
8.400E+03	6.38E-01	1.566E+03	1.154E+02	1.476E+01	5.633E+00	0.000E+00	0.000E+00	0.748E+00
8.500E+03	6.10E-01	1.629E+03	1.186E+02	1.515E+01	5.732E+00	0.000E+00	0.000E+00	0.727E+00
8.600E+03	5.83E-01	1.693E+03	1.218E+02	1.554E+01	5.831E+00	0.000E+00	0.000E+00	0.706E+00
8.700E+03	5.57E-01	1.758E+03	1.251E+02	1.593E+01	5.930E+00	0.000E+00	0.000E+00	0.685E+00
8.800E+03	5.32E-01	1.824E+03	1.284E+02	1.632E+01	6.029E+00	0.000E+00	0.000E+00	0.664E+00
8.900E+03	5.08E-01	1.891E+03	1.318E+02	1.671E+01	6.128E+00	0.000E+00	0.000E+00	0.643E+00
9.000E+03	4.85E-01	1.959E+03	1.352E+02	1.710E+01	6.227E+00	0.000E+00	0.000E+00	0.622E+00
9.100E+03	4.63E-01	2.028E+03	1.387E+02	1.749E+01	6.326E+00	0.000E+00	0.000E+00	0.601E+00
9.200E+03	4.42E-01	2.098E+03	1.422E+02	1.788E+01	6.425E+00	0.000E+00	0.000E+00	0.580E+00
9.300E+03	4.22E-01	2.169E+03	1.457E+02	1.827E+01	6.524E+00	0.000E+00	0.000E+00	0.559E+00
9.400E+03	4.03E-01	2.241E+03	1.492E+02	1.866E+01	6.623E+00	0.000E+00	0.000E+00	0.538E+00
9.500E+03	3.85E-01	2.314E+03	1.527E+02	1.905E+01	6.722E+00	0.000E+00	0.000E+00	0.517E+00
9.600E+03	3.68E-01	2.388E+03	1.562E+02	1.944E+01	6.821E+00	0.000E+00	0.000E+00	0.496E+00
9.700E+03	3.52E-01	2.463E+03	1.597E+02	1.983E+01	6.920E+00	0.000E+00	0.000E+00	0.475E+00
9.800E+03	3.37E-01	2.539E+03	1.632E+02	2.022E+01	7.019E+00	0.000E+00	0.000E+00	0.454E+00
9.900E+03	3.23E-01	2.616E+03	1.667E+02	2.061E+01	7.118E+00	0.000E+00	0.000E+00	0.433E+00
1.000E+04	3.10E-01	2.694E+03	1.702E+02	2.100E+01	7.217E+00	0.000E+00	0.000E+00	0.412E+00
1.100E+04	2.98E-01	2.773E+03	1.737E+02	2.139E+01	7.316E+00	0.000E+00	0.000E+00	0.391E+00
1.200E+04	2.87E-01	2.853E+03	1.772E+02	2.178E+01	7.415E+00	0.000E+00	0.000E+00	0.370E+00
1.300E+04	2.76E-01	2.934E+03	1.807E+02	2.217E+01	7.514E+00	0.000E+00	0.000E+00	0.349E+00
1.400E+04	2.66E-01	3.016E+03	1.842E+02	2.256E+01	7.613E+00	0.000E+00	0.000E+00	0.328E+00
1.500E+04	2.56E-01	3.100E+03	1.877E+02	2.295E+01	7.712E+00	0.000E+00	0.000E+00	0.307E+00
1.600E+04	2.47E-01	3.185E+03	1.912E+02	2.334E+01	7.811E+00	0.000E+00	0.000E+00	0.286E+00
1.700E+04	2.38E-01	3.271E+03	1.947E+02	2.373E+01	7.910E+00	0.000E+00	0.000E+00	0.265E+00
1.800E+04	2.30E-01	3.358E+03	1.982E+02	2.412E+01	8.009E+00	0.000E+00	0.000E+00	0.244E+00
1.900E+04	2.22E-01	3.446E+03	2.017E+02	2.451E+01	8.108E+00	0.000E+00	0.000E+00	0.223E+00
2.000E+04	2.15E-01	3.535E+03	2.052E+02	2.490E+01	8.207E+00	0.000E+00	0.000E+00	0.202E+00
2.100E+04	2.08E-01	3.624E+03	2.087E+02	2.529E+01	8.306E+00	0.000E+00	0.000E+00	0.181E+00
2.200E+04	2.01E-01	3.714E+03	2.122E+02	2.568E+01	8.405E+00	0.000E+00	0.000E+00	0.160E+00
2.300E+04	1.95E-01	3.804E+03	2.157E+02	2.607E+01	8.504E+00	0.000E+00	0.000E+00	0.139E+00
2.400E+04	1.89E-01	3.895E+03	2.192E+02	2.646E+01	8.603E+00	0.000E+00	0.000E+00	0.118E+00
2.500E+04	1.84E-01	3.986E+03	2.227E+02	2.685E+01	8.702E+00	0.000E+00	0.000E+00	0.097E+00
2.600E+04	1.79E-01	4.078E+03	2.262E+02	2.724E+01	8.801E+00	0.000E+00	0.000E+00	0.076E+00
2.700E+04	1.74E-01	4.170E+03	2.297E+02	2.763E+01	8.900E+00	0.000E+00	0.000E+00	0.055E+00
2.800E+04	1.69E-01	4.263E+03	2.332E+02	2.802E+01	9.000E+00	0.000E+00	0.000E+00	0.034E+00
2.900E+04	1.64E-01	4.356E+03	2.367E+02	2.841E+01	9.100E+00	0.000E+00	0.000E+00	0.013E+00
3.000E+04	1.60E-01	4.450E+03	2.402E+02	2.880E+01	9.200E+00	0.000E+00	0.000E+00	0.000E+00
3.100E+04	1.56E-01	4.544E+03	2.437E+02	2.919E+01	9.300E+00	0.000E+00	0.000E+00	0.000E+00
3.200E+04	1.52E-01	4.639E+03	2.472E+02	2.958E+01	9.400E+00	0.000E+00	0.000E+00	0.000E+00
3.300E+04	1.48E-01	4.734E+03	2.507E+02	2.997E+01	9.500E+00	0.000E+00	0.000E+00	0.000E+00
3.400E+04	1.44E-01	4.829E+03	2.542E+02	3.036E+01	9.600E+00	0.000E+00	0.000E+00	0.000E+00
3.500E+04	1.40E-01	4.924E+03	2.577E+02	3.075E+01	9.700E+00	0.000E+00	0.000E+00	0.000E+00
3.600E+04	1.36E-01	5.019E+03	2.612E+02	3.114E+01	9.800E+00	0.000E+00	0.000E+00	0.000E+00
3.700E+04	1.32E-01	5.114E+03	2.647E+02	3.153E+01	9.900E+00	0		

TABLE I. - Continued

P/PQ = 9.00E+01

T	RHO/RHQ-0	M/RTC	S/R	A/AQ	L	CP/R	CV/R	GMMA
5.000E+02	6.275E+01	-4.124E+00	2.309E+C1	1.217E+00	1.163E+00	1.688E+01	1.320E+01	1.167E+00
6.000E+02	4.249E+01	1.245E+00	2.703E+01	1.482E+00	1.425E+00	2.553E+01	1.882E+01	1.209E+00
7.000E+02	3.045E+01	7.384E+C0	3.088E+C1	1.780E+00	1.712E+00	2.213E+01	1.615E+01	1.248E+00
8.000E+02	2.429E+01	1.180E+01	3.328E+01	2.030E+00	1.878E+00	1.415E+01	1.041E+01	1.291E+00
9.000E+02	2.083E+01	1.472E+01	3.448E+01	2.227E+00	1.947E+00	1.008E+01	7.385E+00	1.331E+00
1.000E+C3	1.849E+01	1.699E+C1	3.565E+C1	2.381E+00	1.974E+00	8.365E+00	6.262E+00	1.351E+00
1.100E+C3	1.671E+01	1.902E+01	3.644E+01	2.509E+00	1.988E+00	6.034E+00	5.884E+00	1.356E+00
1.200E+C3	1.527E+01	2.098E+01	3.713E+C1	2.626E+00	1.992E+00	7.866E+00	5.784E+00	1.354E+00
1.300E+C3	1.408E+01	2.292E+01	3.776E+C1	2.727E+00	1.995E+00	7.841E+00	5.794E+00	1.358E+00
1.400E+C3	1.308E+01	2.486E+C1	3.835E+C1	2.826E+00	1.996E+00	7.874E+00	5.845E+00	1.349E+00
1.500E+C3	1.218E+01	2.682E+01	3.889E+01	2.921E+00	1.997E+00	7.933E+00	5.914E+00	1.340E+00
1.600E+C3	1.142E+01	2.879E+01	3.941E+C1	3.012E+00	1.998E+00	8.003E+00	5.990E+00	1.335E+00
1.700E+C3	1.074E+01	3.076E+01	3.990E+01	3.099E+00	1.998E+00	8.078E+00	6.069E+00	1.330E+00
1.800E+C3	1.014E+01	3.279E+01	4.037E+C1	3.184E+00	1.999E+00	8.157E+00	6.149E+00	1.324E+00
1.900E+C3	9.610E+00	3.482E+01	4.081E+C1	3.268E+00	1.999E+00	8.243E+00	6.232E+00	1.321E+00
2.000E+C3	9.128E+00	3.687E+01	4.124E+01	3.346E+00	1.999E+00	8.330E+00	6.322E+00	1.319E+00
2.100E+C3	8.692E+00	3.895E+01	4.165E+C1	3.423E+00	2.000E+00	8.422E+00	6.421E+00	1.318E+00
2.200E+C3	8.296E+00	4.105E+01	4.205P+C1	3.497E+00	2.000E+00	8.522E+00	6.530E+00	1.318E+00
2.300E+C3	7.935E+00	4.319E+01	4.243E+C1	3.569E+00	2.000E+00	8.637E+00	6.673E+00	1.318E+00
2.400E+C3	7.600E+00	4.537E+01	4.281E+C1	3.638E+00	2.001E+00	8.755E+00	6.840E+00	1.297E+00
2.500E+C3	7.293E+00	4.760E+01	4.318E+C1	3.705E+00	2.002E+00	8.897E+00	7.044E+00	1.256E+00
2.600E+C3	7.008E+00	4.989E+01	4.355E+C1	3.769E+00	2.003E+00	9.370E+00	7.293E+00	1.202E+00
2.700E+C3	6.743E+00	5.226E+01	4.391E+C1	3.832E+00	2.005E+00	9.705E+00	7.595E+00	1.276E+00
2.800E+C3	6.495E+00	5.472E+01	4.427E+C1	3.892E+00	2.007E+00	1.011E+01	7.958E+00	1.248E+00
2.900E+C3	6.261E+00	5.729E+01	4.464E+C1	3.951E+00	2.010E+00	1.050E+01	8.396E+00	1.248E+00
3.000E+C3	6.041E+00	5.999E+01	4.501E+C1	4.009E+00	2.014E+00	1.118E+01	8.896E+00	1.252E+00
3.100E+C3	5.832E+00	6.285E+01	4.539E+C1	4.068E+00	2.019E+00	1.185E+01	9.460E+00	1.246E+00
3.200E+C3	5.632E+00	6.589E+01	4.578E+C1	4.128E+00	2.025E+00	1.262E+01	9.665E+00	1.238E+00
3.300E+C3	5.441E+00	6.913E+01	4.619E+C1	4.188E+00	2.031E+00	1.351E+01	1.015E+01	1.238E+00
3.400E+C3	5.257E+00	7.260E+01	4.661E+C1	4.248E+00	2.038E+00	1.450E+01	1.079E+01	1.238E+00
3.500E+C3	5.079E+00	7.634E+01	4.705E+C1	4.312E+00	2.045E+00	1.561E+01	1.174E+01	1.223E+00
3.600E+C3	4.907E+00	8.036E+01	4.751E+C1	4.378E+00	2.053E+00	1.684E+01	1.286E+01	1.217E+00
3.700E+C3	4.739E+00	8.470E+01	4.795E+C1	4.448E+00	2.062E+00	1.833E+01	1.384E+01	1.212E+00
3.800E+C3	4.575E+00	8.937E+01	4.835E+C1	4.521E+00	2.072E+00	1.916E+01	1.474E+01	1.208E+00
3.900E+C3	4.415E+00	9.441E+01	4.873E+C1	4.597E+00	2.082E+00	2.039E+01	1.595E+01	1.205E+00
4.000E+C3	4.258E+00	9.989E+01	4.909E+C1	4.676E+00	2.093E+00	2.112E+01	1.708E+01	1.203E+00
4.100E+C3	4.105E+00	1.057E+02	4.945E+C1	4.758E+00	2.104E+00	2.143E+01	1.833E+01	1.201E+00
4.200E+C3	3.956E+00	1.119E+02	4.979E+C1	4.842E+00	2.116E+00	2.198E+01	1.946E+01	1.200E+00
4.300E+C3	3.800E+00	1.186E+02	5.018E+C1	4.932E+00	2.129E+00	2.267E+01	2.089E+01	1.200E+00
4.400E+C3	3.648E+00	1.258E+02	5.063E+C1	5.027E+00	2.143E+00	2.344E+01	2.271E+01	1.200E+00
4.500E+C3	3.502E+00	1.333E+02	5.113E+01	5.127E+00	2.158E+00	2.429E+01	2.488E+01	1.200E+00
4.600E+C3	3.362E+00	1.411E+02	5.168E+01	5.232E+00	2.174E+00	2.522E+01	2.730E+01	1.200E+00
4.700E+C3	3.229E+00	1.494E+02	5.228E+01	5.343E+00	2.191E+00	2.624E+01	2.995E+01	1.200E+00
4.800E+C3	3.102E+00	1.585E+02	5.294E+01	5.470E+00	2.209E+00	2.737E+01	3.277E+01	1.200E+00
4.900E+C3	2.980E+00	1.678E+02	5.365E+01	5.617E+00	2.228E+00	2.862E+01	3.582E+01	1.200E+00
5.000E+C3	2.864E+00	1.784E+02	5.442E+01	5.777E+00	2.248E+00	3.000E+01	3.900E+01	1.200E+00
5.100E+C3	2.754E+00	1.893E+02	5.525E+01	5.950E+00	2.269E+00	3.151E+01	4.240E+01	1.200E+00
5.200E+C3	2.648E+00	1.969E+02	5.613E+01	6.137E+00	2.291E+00	3.314E+01	4.600E+01	1.200E+00
5.300E+C3	2.546E+00	2.055E+02	5.706E+01	6.338E+00	2.314E+00	3.489E+01	4.980E+01	1.200E+00
5.400E+C3	2.448E+00	2.152E+02	5.804E+01	6.553E+00	2.338E+00	3.684E+01	5.380E+01	1.200E+00
5.500E+C3	2.354E+00	2.260E+02	5.907E+01	6.782E+00	2.363E+00	3.898E+01	5.800E+01	1.200E+00
5.600E+C3	2.264E+00	2.380E+02	6.015E+01	7.025E+00	2.389E+00	4.140E+01	6.240E+01	1.200E+00
5.700E+C3	2.178E+00	2.512E+02	6.128E+01	7.282E+00	2.416E+00	4.410E+01	6.700E+01	1.200E+00
5.800E+C3	2.096E+00	2.656E+02	6.246E+01	7.553E+00	2.444E+00	4.700E+01	7.180E+01	1.200E+00
5.900E+C3	2.018E+00	2.812E+02	6.369E+01	7.838E+00	2.473E+00	5.010E+01	7.680E+01	1.200E+00
6.000E+C3	1.944E+00	2.980E+02	6.497E+01	8.137E+00	2.503E+00	5.340E+01	8.200E+01	1.200E+00
6.100E+C3	1.874E+00	3.160E+02	6.630E+01	8.450E+00	2.534E+00	5.690E+01	8.740E+01	1.200E+00
6.200E+C3	1.808E+00	3.352E+02	6.768E+01	8.777E+00	2.566E+00	6.060E+01	9.300E+01	1.200E+00
6.300E+C3	1.746E+00	3.556E+02	6.911E+01	9.119E+00	2.599E+00	6.450E+01	9.880E+01	1.200E+00
6.400E+C3	1.688E+00	3.772E+02	7.059E+01	9.476E+00	2.633E+00	6.860E+01	1.048E+02	1.200E+00
6.500E+C3	1.634E+00	4.000E+02	7.212E+01	9.848E+00	2.668E+00	7.290E+01	1.110E+02	1.200E+00
6.600E+C3	1.584E+00	4.240E+02	7.370E+01	1.023E+01	2.704E+00	7.740E+01	1.174E+02	1.200E+00
6.700E+C3	1.538E+00	4.492E+02	7.533E+01	1.064E+01	2.741E+00	8.210E+01	1.240E+02	1.200E+00
6.800E+C3	1.496E+00	4.756E+02	7.701E+01	1.107E+01	2.779E+00	8.700E+01	1.308E+02	1.200E+00
6.900E+C3	1.458E+00	5.032E+02	7.874E+01	1.152E+01	2.818E+00	9.210E+01	1.378E+02	1.200E+00
7.000E+C3	1.424E+00	5.320E+02	8.052E+01	1.200E+01	2.858E+00	9.740E+01	1.450E+02	1.200E+00
7.100E+C3	1.394E+00	5.620E+02	8.235E+01	1.250E+01	2.899E+00	1.029E+02	1.524E+02	1.200E+00
7.200E+C3	1.368E+00	5.932E+02	8.424E+01	1.302E+01	2.941E+00	1.090E+02	1.600E+02	1.200E+00
7.300E+C3	1.346E+00	6.256E+02	8.618E+01	1.356E+01	2.984E+00	1.153E+02	1.678E+02	1.200E+00
7.400E+C3	1.328E+00	6.592E+02	8.817E+01	1.412E+01	3.028E+00	1.218E+02	1.758E+02	1.200E+00
7.500E+C3	1.314E+00	6.940E+02	9.021E+01	1.470E+01	3.073E+00	1.286E+02	1.840E+02	1.200E+00
7.600E+C3	1.304E+00	7.300E+02	9.230E+01	1.530E+01	3.119E+00	1.356E+02	1.924E+02	1.200E+00
7.700E+C3	1.298E+00	7.672E+02	9.444E+01	1.592E+01	3.166E+00	1.428E+02	2.010E+02	1.200E+00
7.800E+C3	1.296E+00	8.056E+02	9.663E+01	1.656E+01	3.214E+00	1.502E+02	2.100E+02	1.200E+00
7.900E+C3	1.298E+00	8.460E+02	9.887E+01	1.722E+01	3.263E+00	1.578E+02	2.194E+02	1.200E+00
8.000E+C3	1.304E+00	8.884E+02	1.016E+02	1.790E+01	3.313E+00	1.656E+02	2.292E+02	1.200E+00
8.100E+C3	1.314E+00	9.328E+02	1.050E+02	1.860E+01	3.364E+00	1.736E+02	2.394E+02	1.200E+00
8.200E+C3	1.328E+00	9.792E+02	1.089E+02	1.932E+01	3.416E+00	1.818E+02	2.500E+02	1.200E+00
8.300E+C3	1.346E+00	1.028E+03	1.134E+02	2.006E+01	3.469E+00	1.902E+02	2.610E+02	1.200E+00
8.400E+C3	1.368E+00	1.070E+03	1.184E+02	2.082E+01	3.523E+00	1.988E+02	2.724E+02	1.200E+00
8.500E+C3	1.394E+00	1.116E+03	1.238E+02	2.160E+01	3.578E+00	2.076E+02	2.842E+02	1.200E+00
8.600E+C3	1.424E+00	1.166E+03	1.296E+02	2.240E+01	3.634E+00	2.166E+02	2.964E+02	1.200E+00
8.700E+C3	1.458E+00	1.219E+03	1.358E+02	2.322E+01	3.691E+00	2.258E+02	3.090E+02	1.200E+00
8.800E+C3	1.496E+00	1.276E+03	1.424E+02	2.406E+01	3.749E+00	2.352E+02	3.220E+02	1.200E+00
8.900E+C3	1.538E+00	1.336E+03	1.494E+02	2.492E+01	3.808E+00	2.448E+02	3.354E+02	1.200E+00
9.000E+C3	1.584E+00	1.400E+03	1.568E+02	2.580E+01	3.868E+00	2.546E+02	3.492E+02	1.200E+00
9.100E+C3	1.634E+00	1.468E+03	1.646E+02	2.670E+01	3.929E+00	2.646E+02	3.634E+02	1.200E+00
9.200E+C3	1.688E+00	1.540E+03	1.728E+02	2.762E+01	3.991E+00	2.748E+02	3.780E+02	1.200E+00
9.300E+C3	1.746E+00	1.616E+03	1.814E+02	2.856E+01	4.054E+00	2.852E+02	3.930E+02	1.200E+00
9.400E+C3	1.808E+00	1.696E+03	1.904E+02	2.952E+01	4.118E+00	2.958E+02	4.084E+02	1.200E+00
9.500E+C3	1.874E+00	1.780E+03	1.998E+02	3.050E+01	4.183E+00	3.066E+02	4.242E+02	1.200E+00
9.600E+C3	1.944E+00	1.868E+03	2.096E+02	3.150E+01	4.249E+00	3.176E+02	4.404E+02	1.200E+00
9.700E+C3	2.018E+00	1.960E+03	2.198E+02	3.252E+01	4.316E+00	3.288E+02	4.570E+02	1.200E+00
9.800E+C3	2.096E+00	2.056E+03	2.304E+02	3.356E+01	4.384E+00	3.402E+02	4.740E+02	

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/A	A/AO	Z	CP/R	CV/R	GAMMA
2.100E+04	3.226E-01	1.676E+03	1.604E+02	1.719E+01	5.308E+00	7.751E+01	5.670E+01	1.229E+00
2.200E+04	2.927E-01	1.870E+03	1.101E+02	1.810E+01	5.667E+00	7.957E+01	5.749E+01	1.234E+00
2.300E+04	2.669E-01	2.065E+03	1.136E+02	1.904E+01	5.966E+00	7.870E+01	5.617E+01	1.247E+00
2.400E+04	2.446E-01	2.255E+03	1.169E+02	1.999E+01	6.213E+00	7.531E+01	5.321E+01	1.261E+00
2.500E+04	2.260E-01	2.434E+03	1.199E+02	2.093E+01	6.460E+00	7.017E+01	4.914E+01	1.276E+00
2.600E+04	2.101E-01	2.600E+03	1.225E+02	2.189E+01	6.680E+00	6.417E+01	4.456E+01	1.290E+00
2.700E+04	1.967E-01	2.750E+03	1.248E+02	2.281E+01	6.873E+00	5.812E+01	4.002E+01	1.305E+00
2.800E+04	1.852E-01	2.886E+03	1.268E+02	2.370E+01	7.038E+00	5.260E+01	3.555E+01	1.321E+00
2.900E+04	1.753E-01	3.010E+03	1.285E+02	2.454E+01	7.179E+00	4.754E+01	3.208E+01	1.338E+00
3.000E+04	1.667E-01	3.123E+03	1.301E+02	2.532E+01	7.299E+00	4.377E+01	2.908E+01	1.356E+00
3.100E+04	1.591E-01	3.229E+03	1.315E+02	2.603E+01	7.402E+00	4.188E+01	2.624E+01	1.374E+00
3.200E+04	1.524E-01	3.330E+03	1.328E+02	2.665E+01	7.492E+00	4.067E+01	2.375E+01	1.394E+00
3.300E+04	1.460E-01	3.429E+03	1.340E+02	2.719E+01	7.573E+00	4.009E+01	2.172E+01	1.415E+00
3.400E+04	1.400E-01	3.528E+03	1.352E+02	2.766E+01	7.648E+00	4.008E+01	2.008E+01	1.438E+00
3.500E+04	1.351E-01	3.630E+03	1.364E+02	2.808E+01	7.721E+00	4.195E+01	1.871E+01	1.471E+00
3.600E+04	1.301E-01	3.736E+03	1.376E+02	2.849E+01	7.793E+00	4.384E+01	1.764E+01	1.506E+00
3.700E+04	1.256E-01	3.846E+03	1.389E+02	2.890E+01	7.865E+00	4.604E+01	1.678E+01	1.550E+00
3.800E+04	1.210E-01	3.960E+03	1.401E+02	2.932E+01	7.940E+00	4.827E+01	1.625E+01	1.601E+00
3.900E+04	1.167E-01	4.080E+03	1.414E+02	2.975E+01	8.018E+00	5.073E+01	1.597E+01	1.658E+00
4.000E+04	1.127E-01	4.210E+03	1.427E+02	3.029E+01	8.099E+00	5.346E+01	1.590E+01	1.720E+00
4.100E+04	1.089E-01	4.338E+03	1.440E+02	3.082E+01	8.172E+00	5.647E+01	1.603E+01	1.787E+00
4.200E+04	1.053E-01	4.464E+03	1.452E+02	3.136E+01	8.240E+00	5.958E+01	1.636E+01	1.859E+00
4.300E+04	1.020E-01	4.597E+03	1.465E+02	3.190E+01	8.324E+00	5.197E+01	1.691E+01	1.937E+00
4.400E+04	9.881E-02	4.724E+03	1.477E+02	3.254E+01	8.393E+00	5.088E+01	1.761E+01	1.985E+00
4.500E+04	9.586E-02	4.847E+03	1.488E+02	3.315E+01	8.462E+00	4.945E+01	1.846E+01	1.998E+00
4.600E+04	9.309E-02	4.967E+03	1.498E+02	3.375E+01	8.524E+00	4.788E+01	1.946E+01	1.998E+00
4.700E+04	9.051E-02	5.083E+03	1.509E+02	3.433E+01	8.580E+00	4.635E+01	2.060E+01	1.975E+00
4.800E+04	8.804E-02	5.196E+03	1.518E+02	3.489E+01	8.633E+00	4.501E+01	2.184E+01	1.928E+00
4.900E+04	8.561E-02	5.306E+03	1.527E+02	3.544E+01	8.681E+00	4.398E+01	2.328E+01	1.867E+00
5.000E+04	8.366E-02	5.413E+03	1.536E+02	3.598E+01	8.726E+00	4.333E+01	2.491E+01	1.795E+00

P/P0 = 1.00E+02

T	RHO/RHO-0	H/RTO	S/A	A/AO	Z	CP/R	CV/R	GAMMA
5.00E+02	7.022E+01	-4.248E+00	2.287E-01	1.213E+00	1.155E+00	1.629E+01	1.276E+01	1.198E+00
6.00E+02	9.804E+01	9.405E-01	2.489E+01	1.473E+00	1.407E+00	2.500E+01	1.845E+01	1.209E+00
7.00E+02	1.421E+01	7.080E+00	3.052E+01	1.768E+00	1.696E+00	2.249E+01	1.638E+01	1.241E+00
8.00E+02	2.715E+01	1.142E+01	3.298E+01	2.022E+00	1.867E+00	1.463E+01	1.375E+01	1.287E+00
9.00E+02	2.381E+01	1.462E+01	3.443E+01	2.221E+00	1.941E+00	1.033E+01	7.472E+00	1.320E+00
1.00E+03	2.057E+01	1.654E+01	3.542E+01	2.378E+00	1.971E+00	8.684E+00	6.349E+00	1.349E+00
1.10E+03	1.858E+01	1.900E+01	3.622E+01	2.507E+00	1.984E+00	8.092E+00	5.428E+00	1.375E+00
1.20E+03	1.688E+01	2.097E+01	3.692E+01	2.622E+00	1.991E+00	7.896E+00	5.408E+00	1.353E+00
1.30E+03	1.564E+01	2.291E+01	3.755E+01	2.727E+00	1.994E+00	7.857E+00	5.636E+00	1.349E+00
1.40E+03	1.451E+01	2.486E+01	3.815E+01	2.826E+00	1.996E+00	7.884E+00	5.852E+00	1.345E+00
1.50E+03	1.354E+01	2.681E+01	3.868E+01	2.921E+00	1.997E+00	7.939E+00	5.939E+00	1.340E+00
1.60E+03	1.269E+01	2.878E+01	3.920E+01	3.011E+00	1.998E+00	8.007E+00	5.993E+00	1.335E+00
1.70E+03	1.194E+01	3.077E+01	3.965E+01	3.099E+00	1.998E+00	8.081E+00	6.070E+00	1.330E+00
1.80E+03	1.127E+01	3.278E+01	4.015E+01	3.184E+00	1.999E+00	8.158E+00	6.150E+00	1.326E+00
1.90E+03	1.068E+01	3.482E+01	4.060E+01	3.266E+00	1.999E+00	8.240E+00	6.232E+00	1.321E+00
2.00E+03	1.014E+01	3.687E+01	4.103E+01	3.346E+00	1.999E+00	8.328E+00	6.320E+00	1.317E+00
2.10E+03	9.659E+00	3.894E+01	4.144E+01	3.427E+00	1.999E+00	8.426E+00	6.417E+00	1.313E+00
2.20E+03	9.218E+00	4.105E+01	4.184E+01	3.507E+00	2.000E+00	8.544E+00	6.529E+00	1.308E+00
2.30E+03	8.815E+00	4.318E+01	4.222E+01	3.570E+00	2.000E+00	8.684E+00	6.662E+00	1.303E+00
2.40E+03	8.445E+00	4.536E+01	4.264E+01	3.639E+00	2.001E+00	8.856E+00	6.822E+00	1.297E+00
2.50E+03	8.104E+00	4.758E+01	4.297E+01	3.706E+00	2.002E+00	9.068E+00	7.018E+00	1.291E+00
2.60E+03	7.788E+00	4.987E+01	4.333E+01	3.771E+00	2.003E+00	9.330E+00	7.256E+00	1.284E+00
2.70E+03	7.493E+00	5.222E+01	4.369E+01	3.833E+00	2.004E+00	9.653E+00	7.545E+00	1.277E+00
2.80E+03	7.218E+00	5.466E+01	4.405E+01	3.894E+00	2.007E+00	1.004E+01	7.892E+00	1.269E+00
2.90E+03	6.959E+00	5.721E+01	4.442E+01	3.953E+00	2.010E+00	1.050E+01	8.303E+00	1.261E+00
3.00E+03	6.715E+00	5.989E+01	4.479E+01	4.012E+00	2.013E+00	1.105E+01	8.785E+00	1.253E+00
3.10E+03	6.483E+00	6.271E+01	4.516E+01	4.070E+00	2.016E+00	1.169E+01	9.342E+00	1.246E+00
3.20E+03	6.262E+00	6.571E+01	4.555E+01	4.128E+00	2.024E+00	1.243E+01	9.977E+00	1.238E+00
3.30E+03	6.050E+00	6.890E+01	4.595E+01	4.188E+00	2.031E+00	1.327E+01	1.069E+01	1.231E+00
3.40E+03	5.847E+00	7.231E+01	4.636E+01	4.249E+00	2.040E+00	1.421E+01	1.169E+01	1.225E+00
3.50E+03	5.651E+00	7.596E+01	4.679E+01	4.312E+00	2.051E+00	1.527E+01	1.287E+01	1.219E+00
3.60E+03	5.461E+00	7.985E+01	4.724E+01	4.378E+00	2.063E+00	1.643E+01	1.432E+01	1.214E+00
3.70E+03	5.276E+00	8.398E+01	4.771E+01	4.447E+00	2.078E+00	1.764E+01	1.605E+01	1.210E+00
3.80E+03	5.096E+00	8.848E+01	4.821E+01	4.518E+00	2.094E+00	1.906E+01	1.804E+01	1.207E+00
3.90E+03	4.920E+00	9.338E+01	4.872E+01	4.594E+00	2.114E+00	2.051E+01	1.959E+01	1.204E+00
4.00E+03	4.748E+00	9.885E+01	4.927E+01	4.673E+00	2.136E+00	2.202E+01	1.978E+01	1.203E+00
4.10E+03	4.579E+00	1.045E+02	4.983E+01	4.756E+00	2.160E+00	2.367E+01	1.901E+01	1.201E+00
4.20E+03	4.414E+00	1.106E+02	5.043E+01	4.843E+00	2.188E+00	2.534E+01	2.025E+01	1.201E+00
4.30E+03	4.252E+00	1.171E+02	5.105E+01	4.935E+00	2.218E+00	2.705E+01	2.150E+01	1.201E+00
4.40E+03	4.094E+00	1.243E+02	5.169E+01	5.031E+00	2.251E+00	2.877E+01	2.272E+01	1.201E+00
4.50E+03	3.939E+00	1.313E+02	5.238E+01	5.131E+00	2.288E+00	3.046E+01	2.391E+01	1.201E+00
4.60E+03	3.789E+00	1.390E+02	5.305E+01	5.235E+00	2.327E+00	3.215E+01	2.504E+01	1.200E+00
4.70E+03	3.643E+00	1.472E+02	5.376E+01	5.343E+00	2.369E+00	3.374E+01	2.609E+01	1.200E+00
4.80E+03	3.501E+00	1.557E+02	5.449E+01	5.455E+00	2.413E+00	3.522E+01	2.704E+01	1.200E+00

TABLE I. - Continued

T	U	V	W	X	Y	Z	CP/R	CV/R	GAMMA
4.900E+03	3.304E+00	1.645E+02	5.523E+01	5.571E+00	2.440E+00	3.654E+01	2.786E+01	1.211E+00	
5.000E+03	3.233E+00	1.737E+02	5.599E+01	5.690E+00	2.509E+00	3.773E+01	2.855E+01	1.214E+00	
5.200E+03	2.987E+00	1.928E+02	5.750E+01	5.937E+00	2.611E+00	3.941E+01	2.945E+01	1.221E+00	
5.400E+03	2.785E+00	2.124E+02	5.901E+01	6.190E+00	2.716E+00	4.011E+01	2.967E+01	1.229E+00	
5.600E+03	2.587E+00	2.321E+02	6.048E+01	6.448E+00	2.821E+00	3.982E+01	2.928E+01	1.237E+00	
5.800E+03	2.393E+00	2.519E+02	6.184E+01	6.698E+00	2.922E+00	3.866E+01	2.827E+01	1.245E+00	
6.000E+03	2.201E+00	2.716E+02	6.312E+01	6.944E+00	3.016E+00	3.692E+01	2.695E+01	1.254E+00	
6.200E+03	2.109E+00	2.877E+02	6.430E+01	7.179E+00	3.101E+00	3.491E+01	2.550E+01	1.261E+00	
6.400E+03	1.994E+00	3.044E+02	6.537E+01	7.401E+00	3.178E+00	3.295E+01	2.412E+01	1.267E+00	
6.600E+03	1.893E+00	3.202E+02	6.636E+01	7.608E+00	3.245E+00	3.125E+01	2.297E+01	1.271E+00	
6.800E+03	1.804E+00	3.352E+02	6.727E+01	7.800E+00	3.305E+00	2.996E+01	2.213E+01	1.274E+00	
7.000E+03	1.725E+00	3.497E+02	6.812E+01	7.978E+00	3.359E+00	2.912E+01	2.164E+01	1.274E+00	
7.200E+03	1.653E+00	3.639E+02	6.883E+01	8.143E+00	3.407E+00	2.873E+01	2.149E+01	1.272E+00	
7.400E+03	1.588E+00	3.780E+02	6.947E+01	8.300E+00	3.452E+00	2.871E+01	2.160E+01	1.269E+00	
7.600E+03	1.527E+00	3.922E+02	7.008E+01	8.452E+00	3.494E+00	2.897E+01	2.192E+01	1.265E+00	
7.800E+03	1.471E+00	4.065E+02	7.124E+01	8.601E+00	3.535E+00	2.940E+01	2.235E+01	1.262E+00	
8.000E+03	1.418E+00	4.211E+02	7.199E+01	8.751E+00	3.574E+00	2.989E+01	2.279E+01	1.260E+00	
8.200E+03	1.368E+00	4.359E+02	7.273E+01	8.904E+00	3.612E+00	3.032E+01	2.331E+01	1.259E+00	
8.400E+03	1.321E+00	4.509E+02	7.344E+01	9.050E+00	3.650E+00	3.057E+01	2.388E+01	1.259E+00	
8.600E+03	1.278E+00	4.660E+02	7.418E+01	9.219E+00	3.687E+00	3.058E+01	2.337E+01	1.261E+00	
8.800E+03	1.238E+00	4.810E+02	7.488E+01	9.388E+00	3.722E+00	3.028E+01	2.310E+01	1.265E+00	
9.000E+03	1.200E+00	4.958E+02	7.556E+01	9.552E+00	3.756E+00	2.965E+01	2.257E+01	1.270E+00	
9.200E+03	1.164E+00	5.102E+02	7.620E+01	9.724E+00	3.788E+00	2.873E+01	2.178E+01	1.276E+00	
9.400E+03	1.131E+00	5.241E+02	7.680E+01	9.899E+00	3.818E+00	2.856E+01	2.081E+01	1.284E+00	
9.600E+03	1.099E+00	5.373E+02	7.737E+01	1.008E+01	3.845E+00	2.824E+01	1.971E+01	1.294E+00	
9.800E+03	1.070E+00	5.499E+02	7.790E+01	1.025E+01	3.866E+00	2.866E+01	1.857E+01	1.305E+00	
1.000E+04	1.042E+00	5.618E+02	7.838E+01	1.043E+01	3.891E+00	2.931E+01	1.745E+01	1.316E+00	
1.100E+04	9.294E-01	6.132E+02	8.038E+01	1.124E+01	3.967E+00	1.900E+01	1.375E+01	1.361E+00	
1.200E+04	8.416E-01	6.550E+02	8.199E+01	1.180E+01	4.016E+00	1.874E+01	1.362E+01	1.350E+00	
1.300E+04	7.677E-01	7.078E+02	8.357E+01	1.222E+01	4.063E+00	2.126E+01	1.579E+01	1.329E+00	
1.400E+04	7.024E-01	7.652E+02	8.530E+01	1.261E+01	4.124E+00	2.505E+01	1.944E+01	1.295E+00	
1.500E+04	6.429E-01	8.354E+02	8.726E+01	1.304E+01	4.208E+00	3.154E+01	2.621E+01	1.269E+00	
1.600E+04	5.875E-01	9.214E+02	8.951E+01	1.354E+01	4.314E+00	3.870E+01	2.984E+01	1.249E+00	
1.700E+04	5.356E-01	1.027E+03	9.210E+01	1.411E+01	4.454E+00	4.679E+01	3.600E+01	1.236E+00	
1.800E+04	4.869E-01	1.152E+03	9.501E+01	1.475E+01	4.627E+00	5.532E+01	4.221E+01	1.228E+00	
1.900E+04	4.417E-01	1.299E+03	9.822E+01	1.546E+01	4.833E+00	6.355E+01	4.794E+01	1.224E+00	
2.000E+04	4.001E-01	1.464E+03	1.017E+02	1.624E+01	5.068E+00	7.063E+01	5.068E+01	1.224E+00	
2.100E+04	3.627E-01	1.645E+03	1.052E+02	1.707E+01	5.325E+00	7.574E+01	5.588E+01	1.227E+00	
2.200E+04	3.294E-01	1.835E+03	1.088E+02	1.797E+01	5.596E+00	7.825E+01	5.677E+01	1.234E+00	
2.300E+04	3.004E-01	2.028E+03	1.123E+02	1.889E+01	5.869E+00	7.798E+01	5.520E+01	1.246E+00	
2.400E+04	2.758E-01	2.217E+03	1.158E+02	1.983E+01	6.133E+00	7.521E+01	5.325E+01	1.257E+00	
2.500E+04	2.543E-01	2.394E+03	1.185E+02	2.078E+01	6.380E+00	7.061E+01	4.953E+01	1.274E+00	
2.600E+04	2.362E-01	2.538E+03	1.212E+02	2.172E+01	6.601E+00	6.501E+01	4.520E+01	1.277E+00	
2.700E+04	2.209E-01	2.716E+03	1.235E+02	2.264E+01	6.799E+00	5.918E+01	4.081E+01	1.313E+00	
2.800E+04	2.078E-01	2.855E+03	1.256E+02	2.353E+01	6.969E+00	5.373E+01	3.675E+01	1.335E+00	
2.900E+04	1.965E-01	2.931E+03	1.274E+02	2.438E+01	7.115E+00	4.903E+01	3.333E+01	1.355E+00	
3.000E+04	1.867E-01	3.057E+03	1.290E+02	2.517E+01	7.240E+00	4.729E+01	3.059E+01	1.371E+00	
3.100E+04	1.780E-01	3.205E+03	1.304E+02	2.590E+01	7.348E+00	4.259E+01	2.863E+01	1.385E+00	
3.200E+04	1.703E-01	3.307E+03	1.317E+02	2.654E+01	7.442E+00	4.093E+01	2.760E+01	1.392E+00	
3.300E+04	1.633E-01	3.407E+03	1.330E+02	2.711E+01	7.526E+00	4.026E+01	2.727E+01	1.392E+00	
3.400E+04	1.569E-01	3.506E+03	1.342E+02	2.760E+01	7.604E+00	4.051E+01	2.789E+01	1.386E+00	
3.500E+04	1.509E-01	3.607E+03	1.353E+02	2.806E+01	7.678E+00	4.155E+01	2.843E+01	1.378E+00	
3.600E+04	1.454E-01	3.711E+03	1.365E+02	2.845E+01	7.750E+00	4.370E+01	3.006E+01	1.365E+00	
3.700E+04	1.401E-01	3.820E+03	1.377E+02	2.886E+01	7.823E+00	4.523E+01	3.175E+01	1.354E+00	
3.800E+04	1.351E-01	3.934E+03	1.390E+02	2.929E+01	7.897E+00	4.738E+01	3.348E+01	1.345E+00	
3.900E+04	1.304E-01	4.054E+03	1.402E+02	2.975E+01	7.973E+00	4.937E+01	3.504E+01	1.339E+00	
4.000E+04	1.259E-01	4.177E+03	1.415E+02	3.023E+01	8.050E+00	5.095E+01	3.625E+01	1.335E+00	
4.100E+04	1.217E-01	4.304E+03	1.428E+02	3.075E+01	8.128E+00	5.195E+01	3.698E+01	1.335E+00	
4.200E+04	1.177E-01	4.433E+03	1.440E+02	3.130E+01	8.205E+00	5.228E+01	3.717E+01	1.337E+00	
4.300E+04	1.134E-01	4.566E+03	1.453E+02	3.187E+01	8.280E+00	5.196E+01	3.666E+01	1.342E+00	
4.400E+04	1.103E-01	4.698E+03	1.464E+02	3.245E+01	8.353E+00	5.110E+01	3.614E+01	1.348E+00	
4.500E+04	1.073E-01	4.813E+03	1.476E+02	3.304E+01	8.421E+00	4.964E+01	3.512E+01	1.356E+00	
4.600E+04	1.039E-01	4.934E+03	1.487E+02	3.364E+01	8.485E+00	4.838E+01	3.376E+01	1.366E+00	
4.700E+04	1.010E-01	5.051E+03	1.497E+02	3.422E+01	8.544E+00	4.889E+01	3.279E+01	1.372E+00	
4.800E+04	9.827E-02	5.165E+03	1.507E+02	3.479E+01	8.598E+00	4.952E+01	3.174E+01	1.380E+00	
4.900E+04	9.571E-02	5.276E+03	1.516E+02	3.533E+01	8.648E+00	4.944E+01	3.090E+01	1.385E+00	
5.000E+04	9.324E-02	5.385E+03	1.525E+02	3.583E+01	8.694E+00	4.936E+01	3.033E+01	1.389E+00	

P/P0 = 1.20E+02

T	U	V	W	X	Y	Z	CP/R	CV/R	GAMMA
5.000E+02	8.524E+01	4.448E+00	2.249E+01	1.227E+00	1.142E+00	1.532E+01	1.404E+01	1.200E+00	
6.000E+02	5.892E+01	6.652E+00	2.612E+01	1.457E+00	1.377E+00	2.401E+01	1.778E+01	1.208E+00	
7.000E+02	4.188E+01	6.535E+00	2.890E+01	1.749E+00	1.660E+00	2.799E+01	1.670E+01	1.230E+00	
8.000E+02	3.294E+01	1.128E+01	3.248E+01	2.000E+00	1.847E+00	1.946E+01	1.155E+01	1.227E+00	
9.000E+02	2.800E+01	1.449E+01	3.460E+01	2.211E+00	1.931E+00	1.682E+01	1.024E+00	1.233E+00	
1.000E+03	2.475E+01	1.665E+01	3.563E+01	2.371E+00	1.966E+00	8.910E+00	6.518E+00	1.348E+00	
1.100E+03	2.273E+01	1.895E+01	3.584E+01	2.500E+00	1.981E+00	8.206E+00	6.010E+00	1.353E+00	
1.200E+03	2.074E+01	2.094E+01	3.654E+01	2.620E+00	1.989E+00	7.936E+00	5.896E+00	1.353E+00	

TABLE I. - Continued

T	H/K/U	S/P	A/U	Z	CP/R	CV/R	GAMMA	
1.300E+03	1.878E+01	2.289E+01	3.718E+01	2.726E+00	1.993E+00	7.891E+00	5.829E+00	1.349E+00
1.400E+03	1.742E+01	2.484E+01	3.777E+01	2.825E+00	1.995E+00	7.904E+00	5.843E+00	1.344E+00
1.500E+03	1.625E+01	2.680E+01	3.831E+01	2.920E+00	1.996E+00	7.922E+00	5.828E+00	1.339E+00
1.600E+03	1.523E+01	2.878E+01	3.883E+01	3.011E+00	1.997E+00	8.015E+00	5.998E+00	1.335E+00
1.700E+03	1.433E+01	3.077E+01	3.932E+01	3.099E+00	1.998E+00	8.086E+00	6.073E+00	1.330E+00
1.800E+03	1.353E+01	3.278E+01	3.979E+01	3.184E+00	1.998E+00	8.161E+00	6.151E+00	1.326E+00
1.900E+03	1.282E+01	3.481E+01	4.023E+01	3.266E+00	1.999E+00	8.240E+00	6.231E+00	1.321E+00
2.000E+03	1.217E+01	3.686E+01	4.066E+01	3.347E+00	1.999E+00	8.326E+00	6.317E+00	1.317E+00
2.100E+03	1.159E+01	3.894E+01	4.117E+01	3.423E+00	1.999E+00	8.421E+00	6.411E+00	1.313E+00
2.200E+03	1.106E+01	4.104E+01	4.167E+01	3.498E+00	2.000E+00	8.532E+00	6.518E+00	1.308E+00
2.300E+03	1.058E+01	4.317E+01	4.218E+01	3.570E+00	2.000E+00	8.665E+00	6.643E+00	1.304E+00
2.400E+03	1.014E+01	4.534E+01	4.273E+01	3.640E+00	2.001E+00	8.826E+00	6.794E+00	1.298E+00
2.500E+03	9.726E+00	4.755E+01	4.326E+01	3.707E+00	2.001E+00	9.023E+00	6.977E+00	1.292E+00
2.600E+03	9.347E+00	4.982E+01	4.384E+01	3.772E+00	2.002E+00	9.266E+00	7.198E+00	1.284E+00
2.700E+03	8.994E+00	5.216E+01	4.432E+01	3.835E+00	2.004E+00	9.561E+00	7.465E+00	1.279E+00
2.800E+03	8.664E+00	5.458E+01	4.487E+01	3.897E+00	2.006E+00	9.918E+00	7.785E+00	1.272E+00
2.900E+03	8.355E+00	5.710E+01	4.548E+01	3.954E+00	2.009E+00	1.035E+01	8.164E+00	1.264E+00
3.000E+03	8.062E+00	5.973E+01	4.605E+01	4.015E+00	2.012E+00	1.085E+01	8.607E+00	1.256E+00
3.100E+03	7.786E+00	6.249E+01	4.677E+01	4.073E+00	2.016E+00	1.144E+01	9.118E+00	1.249E+00
3.200E+03	7.522E+00	6.542E+01	4.751E+01	4.132E+00	2.022E+00	1.211E+01	9.722E+00	1.241E+00
3.300E+03	7.270E+00	6.852E+01	4.833E+01	4.191E+00	2.028E+00	1.288E+01	1.036E+01	1.235E+00
3.400E+03	7.024E+00	7.183E+01	4.923E+01	4.252E+00	2.036E+00	1.375E+01	1.109E+01	1.228E+00
3.500E+03	6.796E+00	7.536E+01	4.835E+01	4.314E+00	2.046E+00	1.471E+01	1.190E+01	1.223E+00
3.600E+03	6.570E+00	7.914E+01	4.678E+01	4.378E+00	2.057E+00	1.578E+01	1.278E+01	1.218E+00
3.700E+03	6.352E+00	8.320E+01	4.723E+01	4.445E+00	2.071E+00	1.694E+01	1.372E+01	1.213E+00
3.800E+03	6.139E+00	8.755E+01	4.770E+01	4.515E+00	2.086E+00	1.819E+01	1.473E+01	1.210E+00
3.900E+03	5.931E+00	9.223E+01	4.820E+01	4.589E+00	2.104E+00	1.953E+01	1.579E+01	1.207E+00
4.000E+03	5.728E+00	9.725E+01	4.871E+01	4.665E+00	2.124E+00	2.096E+01	1.690E+01	1.205E+00
4.100E+03	5.530E+00	1.026E+02	4.925E+01	4.746E+00	2.146E+00	2.245E+01	1.804E+01	1.204E+00
4.200E+03	5.336E+00	1.084E+02	4.982E+01	4.830E+00	2.172E+00	2.400E+01	1.920E+01	1.203E+00
4.300E+03	5.145E+00	1.145E+02	5.040E+01	4.918E+00	2.200E+00	2.560E+01	2.038E+01	1.203E+00
4.400E+03	4.959E+00	1.210E+02	5.101E+01	5.011E+00	2.230E+00	2.721E+01	2.154E+01	1.204E+00
4.500E+03	4.777E+00	1.280E+02	5.165E+01	5.107E+00	2.264E+00	2.883E+01	2.268E+01	1.204E+00
4.600E+03	4.600E+00	1.353E+02	5.230E+01	5.207E+00	2.300E+00	3.043E+01	2.377E+01	1.206E+00
4.700E+03	4.427E+00	1.430E+02	5.298E+01	5.312E+00	2.339E+00	3.198E+01	2.480E+01	1.207E+00
4.800E+03	4.260E+00	1.511E+02	5.367E+01	5.420E+00	2.380E+00	3.344E+01	2.576E+01	1.210E+00
4.900E+03	4.098E+00	1.595E+02	5.437E+01	5.531E+00	2.424E+00	3.480E+01	2.661E+01	1.212E+00
5.000E+03	3.941E+00	1.683E+02	5.509E+01	5.646E+00	2.470E+00	3.603E+01	2.735E+01	1.215E+00
5.100E+03	3.674E+00	1.865E+02	5.654E+01	5.805E+00	2.566E+00	3.794E+01	2.844E+01	1.221E+00
5.200E+03	3.379E+00	2.056E+02	5.800E+01	6.132E+00	2.667E+00	3.903E+01	2.892E+01	1.228E+00
5.300E+03	3.138E+00	2.249E+02	5.943E+01	6.383E+00	2.769E+00	3.920E+01	2.881E+01	1.236E+00
5.400E+03	2.924E+00	2.440E+02	6.079E+01	6.633E+00	2.869E+00	3.854E+01	2.816E+01	1.244E+00
5.500E+03	2.736E+00	2.627E+02	6.208E+01	6.879E+00	2.964E+00	3.722E+01	2.712E+01	1.252E+00
5.600E+03	2.572E+00	2.806E+02	6.327E+01	7.116E+00	3.052E+00	3.551E+01	2.586E+01	1.259E+00
5.700E+03	2.428E+00	2.976E+02	6.435E+01	7.342E+00	3.131E+00	3.370E+01	2.458E+01	1.265E+00
5.800E+03	2.303E+00	3.137E+02	6.537E+01	7.554E+00	3.202E+00	3.202E+01	2.343E+01	1.270E+00
5.900E+03	2.181E+00	3.291E+02	6.630E+01	7.752E+00	3.266E+00	3.064E+01	2.252E+01	1.273E+00
6.000E+03	2.060E+00	3.439E+02	6.717E+01	7.937E+00	3.323E+00	2.964E+01	2.191E+01	1.274E+00
6.100E+03	1.940E+00	3.583E+02	6.800E+01	8.109E+00	3.374E+00	2.905E+01	2.160E+01	1.273E+00
6.200E+03	1.822E+00	3.725E+02	6.879E+01	8.270E+00	3.421E+00	2.884E+01	2.157E+01	1.271E+00
6.300E+03	1.708E+00	3.867E+02	6.956E+01	8.425E+00	3.465E+00	2.892E+01	2.176E+01	1.268E+00
6.400E+03	1.598E+00	4.010E+02	7.031E+01	8.577E+00	3.506E+00	2.921E+01	2.208E+01	1.265E+00
6.500E+03	1.491E+00	4.154E+02	7.105E+01	8.727E+00	3.547E+00	2.961E+01	2.247E+01	1.263E+00
6.600E+03	1.386E+00	4.301E+02	7.179E+01	8.879E+00	3.586E+00	3.001E+01	2.283E+01	1.261E+00
6.700E+03	1.294E+00	4.450E+02	7.251E+01	9.033E+00	3.624E+00	3.030E+01	2.309E+01	1.261E+00
6.800E+03	1.204E+00	4.599E+02	7.323E+01	9.191E+00	3.661E+00	3.041E+01	2.317E+01	1.262E+00
6.900E+03	1.116E+00	4.749E+02	7.392E+01	9.352E+00	3.697E+00	3.025E+01	2.303E+01	1.265E+00
7.000E+03	1.030E+00	4.897E+02	7.460E+01	9.518E+00	3.732E+00	2.981E+01	2.265E+01	1.269E+00
7.100E+03	1.405E+00	5.042E+02	7.524E+01	9.687E+00	3.764E+00	2.907E+01	2.203E+01	1.275E+00
7.200E+03	1.34E+00	5.183E+02	7.586E+01	9.859E+00	3.795E+00	2.808E+01	2.120E+01	1.282E+00
7.300E+03	1.326E+00	5.318E+02	7.644E+01	1.003E+01	3.824E+00	2.689E+01	2.021E+01	1.290E+00
7.400E+03	1.290E+00	5.447E+02	7.698E+01	1.021E+01	3.849E+00	2.560E+01	1.914E+01	1.300E+00
7.500E+03	1.257E+00	5.570E+02	7.748E+01	1.039E+01	3.873E+00	2.428E+01	1.805E+01	1.310E+00
7.600E+03	1.118E+00	6.100E+02	7.793E+01	1.121E+01	3.906E+00	1.939E+01	1.405E+01	1.358E+00
7.700E+03	1.012E+00	6.560E+02	7.836E+01	1.180E+01	4.007E+00	1.859E+01	1.366E+01	1.363E+00
7.800E+03	9.236E-01	7.039E+02	7.871E+01	1.221E+01	4.053E+00	1.726E+01	1.265E+01	1.366E+00
7.900E+03	8.457E-01	7.529E+02	7.907E+01	1.262E+01	4.110E+00	1.595E+01	1.185E+01	1.372E+00
8.000E+03	7.751E-01	8.026E+02	7.942E+01	1.304E+01	4.186E+00	1.499E+01	1.096E+01	1.374E+00
8.100E+03	7.097E-01	8.529E+02	7.977E+01	1.352E+01	4.286E+00	1.402E+01	1.022E+01	1.378E+00
8.200E+03	6.486E-01	9.037E+02	8.012E+01	1.401E+01	4.414E+00	1.318E+01	9.403E+00	1.389E+00
8.300E+03	5.913E-01	9.547E+02	8.047E+01	1.451E+01	4.573E+00	1.244E+01	8.998E+00	1.402E+00
8.400E+03	5.374E-01	1.007E+03	8.082E+01	1.502E+01	4.762E+00	1.177E+01	8.559E+00	1.423E+00
8.500E+03	4.886E-01	1.062E+03	8.117E+01	1.554E+01	4.980E+00	1.119E+01	8.092E+00	1.453E+00
8.600E+03	4.439E-01	1.119E+03	8.152E+01	1.607E+01	5.221E+00	1.069E+01	7.602E+00	1.493E+00
8.700E+03	4.024E-01	1.177E+03	8.187E+01	1.662E+01	5.477E+00	1.027E+01	7.097E+00	1.543E+00
8.800E+03	3.647E-01	1.236E+03	8.222E+01	1.718E+01	5.739E+00	9.842E+00	6.582E+00	1.603E+00
8.900E+03	3.302E-01	1.296E+03	8.257E+01	1.775E+01	6.015E+00	9.485E+00	6.057E+00	1.673E+00
9.000E+03	3.119E-01	1.357E+03	8.292E+01	1.833E+01	6.299E+00	9.247E+00	5.532E+00	1.753E+00
9.100E+03	2.893E-01	1.419E+03	8.327E+01	1.892E+01	6.594E+00	9.024E+00	5.007E+00	1.843E+00
9.200E+03	2.693E-01	1.482E+03	8.362E+01	1.952E+01	6.899E+00	8.815E+00	4.482E+00	1.943E+00
9.300E+03	2.519E-01	1.547E+03	8.397E+01	2.013E+01	7.214E+00	8.619E+00	3.957E+00	2.053E+00
9.400E+03	2.370E-01	1.614E+03	8.432E+01	2.075E+01	7.546E+00	8.437E+00	3.432E+00	2.183E+00
9.500E+03	2.239E-01	1.683E+03	8.467E+01	2.138E+01	7.891E+00	8.269E+00	2.907E+00	2.333E+00
9.600E+03	2.124E-01	1.754E+03	8.502E+01	2.202E+01	8.349E+00	8.115E+00	2.382E+00	2.503E+00
9.700E+03	2.014E-01	1.827E+03	8.537E+01	2.267E+01	8.814E+00	7.974E+00	1.857E+00	2.693E+00
9.800E+03	1.908E-01	1.902E+03	8.572E+01	2.333E+01	9.296E+00	7.846E+00	1.342E+00	2.903E+00
9.900E+03	1.806E-01	1.979E+03	8.607E+01	2.400E+01	9.794E+00	7.734E+00	820E+00	3.133E+00
1.000E+04	1.708E-01	2.058E+03	8.642E+01	2.468E+01	1.030E+01	7.636E+00	260E+00	3.383E+00
1.100E+04	1.614E-01	2.139E+03	8.677E+01	2.537E+01	1.082E+01	7.551E+00	190E+00	3.653E+00
1.200E+04	1.524E-01	2.222E+03	8.712E+01	2.607E+01	1.136E+01	7.478E+00	120E+00	3.943E+00
1.300E+04	1.438E-01	2.307E+03	8.747E+01	2.678E+01	1.192E+01	7.416E+00	50E+00	4.253E+00
1.400E+04	1.356E-01	2.394E+03	8.782E+01	2.750E+01	1.250E+01	7.364E+00	0E+00	4.583E+00
1.500E+04	1.278E-01	2.483E+03	8.817E+01	2.823E+01	1.310E+01	7.322E+00	0E+00	4.933E+00
1.600E+04	1.204E-01	2.574E+03	8.852E+01	2.897E+				

TABLE I. - Continued

T	H/R	H/RTJ	S/R	A/AJ	Z	CP/R	CV/R	GAMMA
3.500E+04	1.830E-01	3.546E+03	1.335E+02	2.794E+01	7.598E+00	4.109E+01	2.808E+01	1.381E+00
3.600E+04	1.762E-01	3.609E+03	1.347E+02	2.837E+01	7.673E+00	4.231E+01	2.910E+01	1.371E+00
3.700E+04	1.698E-01	3.775E+03	1.358E+02	2.879E+01	7.746E+00	4.301E+01	3.062E+01	1.361E+00
3.800E+04	1.638E-01	3.886E+03	1.370E+02	2.922E+01	7.820E+00	4.396E+01	3.222E+01	1.351E+00
3.900E+04	1.581E-01	4.001E+03	1.382E+02	2.966E+01	7.895E+00	4.790E+01	3.377E+01	1.344E+00
4.000E+04	1.524E-01	4.122E+03	1.395E+02	3.013E+01	7.971E+00	4.961E+01	3.510E+01	1.339E+00
4.100E+04	1.475E-01	4.246E+03	1.407E+02	3.063E+01	8.049E+00	5.089E+01	3.606E+01	1.337E+00
4.200E+04	1.420E-01	4.372E+03	1.420E+02	3.115E+01	8.126E+00	5.160E+01	3.656E+01	1.338E+00
4.300E+04	1.380E-01	4.499E+03	1.432E+02	3.171E+01	8.202E+00	5.170E+01	3.658E+01	1.341E+00
4.400E+04	1.337E-01	4.626E+03	1.444E+02	3.228E+01	8.276E+00	5.124E+01	3.617E+01	1.344E+00
4.500E+04	1.296E-01	4.752E+03	1.455E+02	3.286E+01	8.346E+00	4.911E+01	3.541E+01	1.332E+00
4.600E+04	1.258E-01	4.874E+03	1.466E+02	3.345E+01	8.413E+00	4.775E+01	3.436E+01	1.326E+00
4.700E+04	1.222E-01	4.994E+03	1.476E+02	3.403E+01	8.475E+00	4.639E+01	3.336E+01	1.320E+00
4.800E+04	1.188E-01	5.110E+03	1.486E+02	3.461E+01	8.533E+00	4.518E+01	3.231E+01	1.317E+00
4.900E+04	1.157E-01	5.222E+03	1.496E+02	3.514E+01	8.586E+00	4.422E+01	3.139E+01	1.322E+00
5.000E+04	1.127E-01	5.333E+03	1.505E+02	3.564E+01	8.636E+00		3.068E+01	1.337E+00

P/PD = 1.40E+02

T	RHO/RHO-0	H/RTG	S/R	A/AG	Z	CP/R	CV/R	GAMMA
5.100E+02	1.004E+02	-4.605E+00	2.219E+01	1.202E+00	1.132E+00	1.456E+01	1.146E+01	1.222E+00
6.100E+02	6.997E+01	1.021E+01	2.565E+01	1.446E+00	1.352E+00	2.313E+01	1.719E+01	1.228E+00
7.100E+02	4.972E+01	6.064E+00	2.538E+01	1.732E+00	1.631E+00	2.326E+01	1.886E+01	1.236E+00
8.100E+02	3.884E+01	1.056E+01	3.204E+01	1.992E+00	1.827E+00	1.621E+01	1.185E+01	1.277E+00
9.100E+02	3.284E+01	1.428E+01	3.303E+01	2.201E+00	1.921E+00	1.127E+01	8.249E+00	1.319E+00
1.000E+03	2.856E+01	1.675E+01	3.409E+01	2.386E+00	1.961E+00	9.140E+00	6.681E+00	1.343E+00
1.100E+03	2.609E+01	1.889E+01	3.552E+01	2.500E+00	1.978E+00	8.317E+00	6.090E+00	1.351E+00
1.200E+03	2.381E+01	2.090E+01	3.623E+01	2.618E+00	1.987E+00	8.014E+00	5.891E+00	1.352E+00
1.300E+03	2.193E+01	2.267E+01	3.687E+01	2.724E+00	1.992E+00	7.924E+00	5.852E+00	1.349E+00
1.400E+03	2.034E+01	2.483E+01	3.745E+01	2.824E+00	1.994E+00	7.924E+00	5.879E+00	1.344E+00
1.500E+03	1.896E+01	2.679E+01	3.806E+01	2.919E+00	1.996E+00	7.964E+00	5.935E+00	1.335E+00
1.600E+03	1.777E+01	2.871E+01	3.852E+01	3.011E+00	1.997E+00	8.023E+00	6.003E+00	1.335E+00
1.700E+03	1.672E+01	3.076E+01	3.901E+01	3.098E+00	1.998E+00	8.091E+00	6.076E+00	1.330E+00
1.800E+03	1.574E+01	3.277E+01	3.948E+01	3.184E+00	1.998E+00	8.164E+00	6.153E+00	1.326E+00
1.900E+03	1.495E+01	3.481E+01	3.993E+01	3.266E+00	1.999E+00	8.241E+00	6.232E+00	1.321E+00
2.000E+03	1.420E+01	3.686E+01	4.035E+01	3.348E+00	1.999E+00	8.324E+00	6.315E+00	1.317E+00
2.100E+03	1.352E+01	3.893E+01	4.076E+01	3.423E+00	1.999E+00	8.417E+00	6.406E+00	1.313E+00
2.200E+03	1.291E+01	4.103E+01	4.116E+01	3.498E+00	1.999E+00	8.523E+00	6.509E+00	1.309E+00
2.300E+03	1.234E+01	4.316E+01	4.154E+01	3.571E+00	2.000E+00	8.650E+00	6.629E+00	1.304E+00
2.400E+03	1.183E+01	4.533E+01	4.192E+01	3.641E+00	2.000E+00	8.802E+00	6.772E+00	1.295E+00
2.500E+03	1.135E+01	4.753E+01	4.229E+01	3.708E+00	2.001E+00	8.988E+00	6.945E+00	1.287E+00
2.600E+03	1.091E+01	4.979E+01	4.265E+01	3.774E+00	2.002E+00	9.216E+00	7.153E+00	1.280E+00
2.700E+03	1.050E+01	5.212E+01	4.300E+01	3.837E+00	2.003E+00	9.492E+00	7.403E+00	1.273E+00
2.800E+03	1.011E+01	5.451E+01	4.336E+01	3.899E+00	2.003E+00	9.826E+00	7.702E+00	1.266E+00
2.900E+03	9.751E+00	5.700E+01	4.371E+01	3.959E+00	2.003E+00	1.022E+01	8.056E+00	1.266E+00
3.000E+03	9.411E+00	5.960E+01	4.407E+01	4.018E+00	2.011E+00	1.069E+01	8.468E+00	1.259E+00
3.100E+03	9.089E+00	6.232E+01	4.443E+01	4.076E+00	2.015E+00	1.124E+01	8.945E+00	1.251E+00
3.200E+03	8.783E+00	6.514E+01	4.480E+01	4.135E+00	2.020E+00	1.187E+01	9.488E+00	1.244E+00
3.300E+03	8.491E+00	6.823E+01	4.518E+01	4.194E+00	2.026E+00	1.258E+01	1.016E+01	1.237E+00
3.400E+03	8.211E+00	7.145E+01	4.557E+01	4.254E+00	2.034E+00	1.339E+01	1.078E+01	1.231E+00
3.500E+03	7.942E+00	7.489E+01	4.598E+01	4.315E+00	2.043E+00	1.429E+01	1.153E+01	1.225E+00
3.600E+03	7.682E+00	7.855E+01	4.640E+01	4.379E+00	2.053E+00	1.527E+01	1.245E+01	1.220E+00
3.700E+03	7.429E+00	8.248E+01	4.684E+01	4.442E+00	2.063E+00	1.635E+01	1.343E+01	1.216E+00
3.800E+03	7.184E+00	8.668E+01	4.729E+01	4.514E+00	2.074E+00	1.752E+01	1.447E+01	1.213E+00
3.900E+03	6.945E+00	9.110E+01	4.777E+01	4.585E+00	2.086E+00	1.877E+01	1.517E+01	1.210E+00
4.000E+03	6.712E+00	9.599E+01	4.826E+01	4.660E+00	2.115E+00	2.010E+01	1.620E+01	1.208E+00
4.100E+03	6.484E+00	1.011E+02	4.878E+01	4.738E+00	2.136E+00	2.149E+01	1.728E+01	1.206E+00
4.200E+03	6.261E+00	1.067E+02	4.932E+01	4.820E+00	2.159E+00	2.295E+01	1.837E+01	1.205E+00
4.300E+03	6.043E+00	1.125E+02	4.988E+01	4.906E+00	2.185E+00	2.445E+01	1.948E+01	1.205E+00
4.400E+03	5.824E+00	1.186E+02	5.046E+01	4.995E+00	2.214E+00	2.595E+01	2.055E+01	1.205E+00
4.500E+03	5.620E+00	1.254E+02	5.107E+01	5.089E+00	2.245E+00	2.752E+01	2.168E+01	1.204E+00
4.600E+03	5.416E+00	1.324E+02	5.169E+01	5.186E+00	2.279E+00	2.903E+01	2.274E+01	1.202E+00
4.700E+03	5.218E+00	1.397E+02	5.233E+01	5.287E+00	2.315E+00	3.055E+01	2.375E+01	1.200E+00
4.800E+03	5.025E+00	1.475E+02	5.299E+01	5.392E+00	2.354E+00	3.199E+01	2.470E+01	1.200E+00
4.900E+03	4.838E+00	1.555E+02	5.367E+01	5.500E+00	2.395E+00	3.334E+01	2.557E+01	1.200E+00
5.000E+03	4.657E+00	1.639E+02	5.438E+01	5.611E+00	2.438E+00	3.459E+01	2.634E+01	1.200E+00
5.100E+03	4.481E+00	1.815E+02	5.516E+01	5.724E+00	2.483E+00	3.604E+01	2.753E+01	1.200E+00
5.200E+03	4.315E+00	2.000E+02	5.571E+01	5.838E+00	2.529E+00	3.798E+01	2.821E+01	1.200E+00
5.300E+03	4.022E+00	2.188E+02	5.657E+01	5.951E+00	2.577E+00	3.450E+01	2.862E+01	1.200E+00
5.400E+03	3.718E+00	2.377E+02	5.751E+01	6.078E+00	2.625E+00	3.622E+01	2.893E+01	1.200E+00
5.500E+03	3.465E+00	2.553E+02	5.851E+01	6.219E+00	2.674E+00	3.727E+01	2.913E+01	1.200E+00
6.000E+03	3.241E+00	2.703E+02	6.119E+01	6.482E+00	2.740E+00	3.009E+00	3.585E+01	1.200E+00
6.200E+03	3.044E+00	2.793E+02	6.239E+01	6.623E+00	2.800E+00	1.000E+00	3.422E+01	1.200E+00
6.400E+03	2.871E+00	2.918E+02	6.390E+01	6.759E+00	2.850E+00	3.164E+00	3.261E+01	1.200E+00
6.600E+03	2.719E+00	3.080E+02	6.453E+01	6.857E+00	2.900E+00	3.230E+00	3.121E+01	1.200E+00
6.800E+03	2.585E+00	3.236E+02	6.548E+01	7.028E+00	2.940E+00	3.290E+00	3.012E+01	1.200E+00
7.000E+03	2.466E+00	3.387E+02	6.636E+01	7.189E+00	2.970E+00	3.343E+00	2.940E+01	1.200E+00
7.200E+03	2.359E+00	3.533E+02	6.720E+01	7.347E+00	2.990E+00	3.393E+00	2.903E+01	1.200E+00
7.400E+03	2.262E+00	3.676E+02	6.800E+01	7.491E+00	3.000E+00	3.438E+00	2.876E+01	1.200E+00
7.600E+03	2.173E+00	3.819E+02	6.877E+01	7.622E+00	3.000E+00	3.481E+00	2.841E+01	1.200E+00
7.800E+03	2.091E+00	3.962E+02	6.952E+01	7.750E+00	3.000E+00	3.522E+00	2.803E+01	1.200E+00
8.000E+03	2.015E+00	4.100E+02	7.026E+01	7.875E+00	3.000E+00	3.562E+00	2.767E+01	1.200E+00
8.200E+03	1.944E+00	4.251E+02	7.094E+01	8.000E+00	3.000E+00	3.600E+00	2.732E+01	1.200E+00
8.400E+03	1.877E+00	4.399E+02	7.171E+01	8.125E+00	3.000E+00	3.636E+00	2.698E+01	1.200E+00
8.600E+03	1.815E+00	4.547E+02	7.242E+01	8.250E+00	3.000E+00	3.675E+00	2.664E+01	1.200E+00
8.800E+03	1.756E+00	4.696E+02	7.311E+01	8.375E+00	3.000E+00	3.711E+01	2.629E+01	1.200E+00

TABLE I. - Continued

T	K/C/P/U-O	H/K/T	S/R	A/AU	Z	CP/R	CV/R	GAMMA
9.000E+03	1.701E+00	4.844E+02	7.379E+01	9.489E+00	3.710E+00	2.947E+01	2.266E+01	1.249E+00
9.200E+03	1.649E+00	4.990E+02	7.444E+01	9.656E+00	3.743E+00	2.928E+01	2.216E+01	1.274E+00
9.400E+03	1.600E+00	5.132E+02	7.506E+01	9.825E+00	3.775E+00	2.843E+01	2.145E+01	1.280E+00
9.600E+03	1.555E+00	5.269E+02	7.564E+01	9.998E+00	3.805E+00	2.737E+01	2.057E+01	1.287E+00
9.800E+03	1.512E+00	5.401E+02	7.620E+01	1.017E+01	3.832E+00	2.617E+01	1.958E+01	1.296E+00
1.000E+04	1.472E+00	5.527E+02	7.671E+01	1.035E+01	3.856E+00	2.491E+01	1.854E+01	1.306E+00
1.100E+04	1.308E+00	6.070E+02	7.882E+01	1.118E+01	3.945E+00	1.979E+01	1.435E+01	1.354E+00
1.200E+04	1.183E+00	6.535E+02	8.046E+01	1.180E+01	3.999E+00	1.853E+01	1.339E+01	1.365E+00
1.300E+04	1.080E+00	7.007E+02	8.159E+01	1.224E+01	4.045E+00	2.021E+01	1.487E+01	1.341E+00
1.400E+04	9.893E-01	7.545E+02	8.306E+01	1.263E+01	4.099E+00	2.378E+01	1.787E+01	1.308E+00
1.500E+04	9.077E-01	8.190E+02	8.541E+01	1.304E+01	4.170E+00	2.879E+01	2.198E+01	1.279E+00
1.600E+04	8.324E-01	8.973E+02	8.745E+01	1.350E+01	4.263E+00	3.500E+01	2.694E+01	1.257E+00
1.700E+04	7.621E-01	9.920E+02	8.974E+01	1.402E+01	4.382E+00	4.214E+01	3.248E+01	1.241E+00
1.800E+04	6.963E-01	1.105E+03	9.240E+01	1.461E+01	4.530E+00	4.981E+01	3.821E+01	1.231E+00
1.900E+04	6.349E-01	1.237E+03	9.529E+01	1.526E+01	4.707E+00	5.746E+01	4.369E+01	1.225E+00
2.000E+04	5.780E-01	1.387E+03	9.842E+01	1.598E+01	4.911E+00	6.442E+01	4.842E+01	1.222E+00
2.100E+04	5.262E-01	1.553E+03	1.017E+02	1.675E+01	5.138E+00	6.999E+01	5.192E+01	1.223E+00
2.200E+04	4.794E-01	1.730E+03	1.050E+02	1.758E+01	5.382E+00	7.357E+01	5.386E+01	1.228E+00
2.300E+04	4.382E-01	1.913E+03	1.083E+02	1.844E+01	5.633E+00	7.485E+01	5.410E+01	1.235E+00
2.400E+04	4.021E-01	2.096E+03	1.115E+02	1.934E+01	5.883E+00	7.386E+01	5.275E+01	1.246E+00
2.500E+04	3.709E-01	2.274E+03	1.144E+02	2.025E+01	6.124E+00	7.096E+01	5.013E+01	1.260E+00
2.600E+04	3.440E-01	2.444E+03	1.171E+02	2.116E+01	6.348E+00	6.673E+01	4.667E+01	1.276E+00
2.700E+04	3.209E-01	2.602E+03	1.196E+02	2.207E+01	6.552E+00	6.184E+01	4.284E+01	1.295E+00
2.800E+04	3.011E-01	2.747E+03	1.217E+02	2.296E+01	6.735E+00	5.685E+01	3.903E+01	1.315E+00
2.900E+04	2.840E-01	2.881E+03	1.236E+02	2.382E+01	6.895E+00	5.222E+01	3.555E+01	1.335E+00
3.000E+04	2.690E-01	3.004E+03	1.253E+02	2.465E+01	7.035E+00	4.823E+01	3.268E+01	1.354E+00
3.100E+04	2.559E-01	3.119E+03	1.268E+02	2.542E+01	7.157E+00	4.504E+01	3.029E+01	1.370E+00
3.200E+04	2.443E-01	3.227E+03	1.282E+02	2.613E+01	7.264E+00	4.272E+01	2.807E+01	1.382E+00
3.300E+04	2.338E-01	3.330E+03	1.295E+02	2.677E+01	7.359E+00	4.129E+01	2.773E+01	1.388E+00
3.400E+04	2.243E-01	3.430E+03	1.307E+02	2.733E+01	7.446E+00	4.071E+01	2.745E+01	1.388E+00
3.500E+04	2.155E-01	3.531E+03	1.319E+02	2.783E+01	7.526E+00	4.094E+01	2.777E+01	1.384E+00
3.600E+04	2.075E-01	3.632E+03	1.331E+02	2.829E+01	7.602E+00	4.176E+01	2.860E+01	1.376E+00
3.700E+04	1.999E-01	3.737E+03	1.342E+02	2.872E+01	7.677E+00	4.315E+01	2.980E+01	1.366E+00
3.800E+04	1.928E-01	3.845E+03	1.354E+02	2.914E+01	7.751E+00	4.488E+01	3.124E+01	1.357E+00
3.900E+04	1.860E-01	3.958E+03	1.366E+02	2.958E+01	7.826E+00	4.672E+01	3.273E+01	1.349E+00
4.000E+04	1.794E-01	4.075E+03	1.378E+02	3.004E+01	7.902E+00	4.846E+01	3.410E+01	1.343E+00
4.100E+04	1.734E-01	4.196E+03	1.390E+02	3.052E+01	7.979E+00	4.988E+01	3.519E+01	1.340E+00
4.200E+04	1.678E-01	4.320E+03	1.402E+02	3.104E+01	8.056E+00	5.084E+01	3.589E+01	1.339E+00
4.300E+04	1.624E-01	4.446E+03	1.414E+02	3.157E+01	8.132E+00	5.126E+01	3.617E+01	1.341E+00
4.400E+04	1.572E-01	4.573E+03	1.426E+02	3.213E+01	8.207E+00	5.114E+01	3.602E+01	1.345E+00
4.500E+04	1.524E-01	4.698E+03	1.437E+02	3.270E+01	8.279E+00	5.053E+01	3.550E+01	1.350E+00
4.600E+04	1.479E-01	4.821E+03	1.448E+02	3.328E+01	8.348E+00	4.956E+01	3.471E+01	1.357E+00
4.700E+04	1.436E-01	4.942E+03	1.459E+02	3.387E+01	8.412E+00	4.837E+01	3.376E+01	1.365E+00
4.800E+04	1.396E-01	5.060E+03	1.469E+02	3.444E+01	8.473E+00	4.709E+01	3.276E+01	1.372E+00
4.900E+04	1.359E-01	5.174E+03	1.479E+02	3.500E+01	8.529E+00	4.586E+01	3.183E+01	1.379E+00
5.000E+04	1.323E-01	5.286E+03	1.488E+02	3.554E+01	8.582E+00	4.481E+01	3.103E+01	1.385E+00

P/P/C = 1.60E+02

T	RHO/RHO-U	H/R/T	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	1.155E+02	-4.731E+00	2.194E+01	1.199E+00	1.123E+00	1.344E+01	1.099E+01	1.203E+00
6.000E+02	6.114E+01	-2.151E-01	2.525E+01	1.433E+00	1.332E+00	2.235E+01	1.665E+01	1.206E+00
7.000E+02	5.773E+01	5.656E+00	2.852E+01	1.717E+00	1.606E+00	2.338E+01	1.693E+01	1.236E+00
8.000E+02	4.483E+01	1.066E+01	3.164E+01	1.980E+00	1.809E+00	1.683E+01	1.227E+01	1.274E+00
9.000E+02	3.773E+01	1.411E+01	3.330E+01	2.192E+00	1.911E+00	1.169E+01	8.550E+00	1.314E+00
1.000E+03	3.314E+01	1.667E+01	3.439E+01	2.360E+00	1.955E+00	9.357E+00	6.837E+00	1.340E+00
1.100E+03	2.986E+01	1.884E+01	3.523E+01	2.497E+00	1.975E+00	8.427E+00	6.168E+00	1.350E+00
1.200E+03	2.724E+01	2.087E+01	3.595E+01	2.616E+00	1.985E+00	8.073E+00	5.932E+00	1.351E+00
1.300E+03	2.508E+01	2.285E+01	3.659E+01	2.723E+00	1.991E+00	7.956E+00	5.874E+00	1.348E+00
1.400E+03	2.325E+01	2.481E+01	3.718E+01	2.824E+00	1.993E+00	7.943E+00	5.892E+00	1.346E+00
1.500E+03	2.168E+01	2.678E+01	3.773E+01	2.919E+00	1.995E+00	7.976E+00	5.943E+00	1.339E+00
1.600E+03	2.031E+01	2.876E+01	3.825E+01	3.010E+00	1.996E+00	8.031E+00	6.008E+00	1.334E+00
1.700E+03	1.911E+01	3.076E+01	3.874E+01	3.098E+00	1.997E+00	8.097E+00	6.080E+00	1.330E+00
1.800E+03	1.804E+01	3.277E+01	3.921E+01	3.183E+00	1.998E+00	8.167E+00	6.154E+00	1.324E+00
1.900E+03	1.709E+01	3.480E+01	3.966E+01	3.266E+00	1.998E+00	8.243E+00	6.232E+00	1.321E+00
2.000E+03	1.623E+01	3.685E+01	4.008E+01	3.346E+00	1.999E+00	8.324E+00	6.314E+00	1.317E+00
2.100E+03	1.546E+01	3.893E+01	4.050E+01	3.423E+00	1.999E+00	8.414E+00	6.402E+00	1.313E+00
2.200E+03	1.475E+01	4.103E+01	4.089E+01	3.498E+00	1.999E+00	8.516E+00	6.502E+00	1.309E+00
2.300E+03	1.411E+01	4.315E+01	4.128E+01	3.571E+00	2.000E+00	8.638E+00	6.618E+00	1.304E+00
2.400E+03	1.352E+01	4.531E+01	4.165E+01	3.641E+00	2.000E+00	8.783E+00	6.755E+00	1.299E+00
2.500E+03	1.297E+01	4.752E+01	4.202E+01	3.709E+00	2.001E+00	8.960E+00	6.919E+00	1.294E+00
2.600E+03	1.247E+01	4.977E+01	4.237E+01	3.775E+00	2.002E+00	9.176E+00	7.117E+00	1.288E+00
2.700E+03	1.200E+01	5.208E+01	4.273E+01	3.839E+00	2.003E+00	9.437E+00	7.353E+00	1.282E+00
2.800E+03	1.156E+01	5.446E+01	4.308E+01	3.901E+00	2.005E+00	9.751E+00	7.636E+00	1.275E+00
2.900E+03	1.115E+01	5.693E+01	4.343E+01	3.961E+00	2.007E+00	1.013E+01	7.968E+00	1.268E+00
3.000E+03	1.076E+01	5.950E+01	4.379E+01	4.020E+00	2.010E+00	1.057E+01	8.357E+00	1.261E+00
3.100E+03	1.039E+01	6.219E+01	4.415E+01	4.079E+00	2.014E+00	1.108E+01	8.804E+00	1.253E+00
3.200E+03	1.004E+01	6.501E+01	4.451E+01	4.137E+00	2.019E+00	1.167E+01	9.315E+00	1.245E+00
3.300E+03	9.713E+00	6.799E+01	4.488E+01	4.196E+00	2.024E+00	1.234E+01	9.899E+00	1.240E+00

TABLE I. - Continued

T	A/T	M/T	J/T	A/A	Z	CP/R	CV/R	GAMMA
3.400E+03	9.395E+00	7.115E+01	4.527E+01	4.256E+00	2.031E+00	1.309E+01	1.053E+01	1.234E+00
3.500E+03	9.089E+00	7.451E+01	4.566E+01	4.317E+00	2.040E+00	1.394E+01	1.124E+01	1.228E+00
3.600E+03	8.794E+00	7.808E+01	4.607E+01	4.380E+00	2.050E+00	1.486E+01	1.200E+01	1.223E+00
3.700E+03	8.508E+00	8.190E+01	4.650E+01	4.445E+00	2.061E+00	1.588E+01	1.283E+01	1.219E+00
3.800E+03	8.231E+00	8.597E+01	4.694E+01	4.512E+00	2.075E+00	1.697E+01	1.372E+01	1.215E+00
3.900E+03	7.961E+00	9.033E+01	4.746E+01	4.583E+00	2.090E+00	1.815E+01	1.466E+01	1.212E+00
4.000E+03	7.698E+00	9.498E+01	4.788E+01	4.656E+00	2.107E+00	1.940E+01	1.564E+01	1.210E+00
4.100E+03	7.441E+00	9.995E+01	4.838E+01	4.732E+00	2.127E+00	2.072E+01	1.665E+01	1.208E+00
4.200E+03	7.189E+00	1.053E+02	4.890E+01	4.812E+00	2.149E+00	2.209E+01	1.770E+01	1.207E+00
4.300E+03	6.943E+00	1.110E+02	4.944E+01	4.896E+00	2.173E+00	2.351E+01	1.875E+01	1.207E+00
4.400E+03	6.702E+00	1.169E+02	5.000E+01	4.983E+00	2.200E+00	2.496E+01	1.981E+01	1.207E+00
4.500E+03	6.467E+00	1.233E+02	5.058E+01	5.074E+00	2.230E+00	2.644E+01	2.086E+01	1.207E+00
4.600E+03	6.237E+00	1.300E+02	5.118E+01	5.168E+00	2.262E+00	2.791E+01	2.189E+01	1.208E+00
4.700E+03	6.013E+00	1.371E+02	5.180E+01	5.267E+00	2.296E+00	2.935E+01	2.288E+01	1.209E+00
4.800E+03	5.795E+00	1.445E+02	5.243E+01	5.369E+00	2.333E+00	3.076E+01	2.381E+01	1.211E+00
4.900E+03	5.584E+00	1.523E+02	5.308E+01	5.474E+00	2.372E+00	3.210E+01	2.468E+01	1.213E+00
5.000E+03	5.379E+00	1.604E+02	5.375E+01	5.583E+00	2.413E+00	3.335E+01	2.546E+01	1.215E+00
5.100E+03	5.190E+00	1.774E+02	5.510E+01	5.699E+00	2.501E+00	3.549E+01	2.673E+01	1.221E+00
5.200E+03	4.992E+00	1.953E+02	5.647E+01	5.825E+00	2.594E+00	3.700E+01	2.754E+01	1.227E+00
5.300E+03	4.797E+00	2.137E+02	5.784E+01	5.961E+00	2.690E+00	3.778E+01	2.784E+01	1.234E+00
5.400E+03	4.601E+00	2.324E+02	5.916E+01	6.103E+00	2.787E+00	3.781E+01	2.765E+01	1.241E+00
5.500E+03	4.407E+00	2.508E+02	6.044E+01	6.251E+00	2.881E+00	3.716E+01	2.704E+01	1.249E+00
5.600E+03	4.202E+00	2.689E+02	6.163E+01	6.404E+00	2.971E+00	3.601E+01	2.614E+01	1.256E+00
5.700E+03	3.997E+00	2.862E+02	6.275E+01	6.562E+00	3.058E+00	3.457E+01	2.509E+01	1.263E+00
5.800E+03	3.782E+00	3.028E+02	6.379E+01	6.724E+00	3.143E+00	3.257E+01	2.405E+01	1.268E+00
5.900E+03	3.567E+00	3.187E+02	6.476E+01	6.887E+00	3.198E+00	3.186E+01	2.312E+01	1.272E+00
6.000E+03	3.342E+00	3.340E+02	6.565E+01	7.056E+00	3.260E+00	3.055E+01	2.239E+01	1.274E+00
6.100E+03	3.117E+00	3.488E+02	6.650E+01	7.229E+00	3.316E+00	2.973E+01	2.190E+01	1.275E+00
6.200E+03	2.892E+00	3.633E+02	6.730E+01	7.407E+00	3.367E+00	2.924E+01	2.167E+01	1.274E+00
6.300E+03	2.667E+00	3.776E+02	6.808E+01	7.587E+00	3.414E+00	2.905E+01	2.160E+01	1.272E+00
6.400E+03	2.442E+00	3.919E+02	6.883E+01	7.766E+00	3.458E+00	2.911E+01	2.181E+01	1.269E+00
6.500E+03	2.217E+00	4.062E+02	6.957E+01	7.946E+00	3.500E+00	2.933E+01	2.207E+01	1.267E+00
6.600E+03	1.992E+00	4.203E+02	7.030E+01	8.123E+00	3.540E+00	2.962E+01	2.237E+01	1.265E+00
6.700E+03	1.767E+00	4.354E+02	7.101E+01	8.299E+00	3.579E+00	2.990E+01	2.264E+01	1.264E+00
6.800E+03	1.542E+00	4.501E+02	7.172E+01	8.474E+00	3.618E+00	3.007E+01	2.280E+01	1.265E+00
6.900E+03	1.317E+00	4.650E+02	7.241E+01	8.648E+00	3.654E+00	3.009E+01	2.281E+01	1.266E+00
7.000E+03	1.092E+00	4.797E+02	7.308E+01	8.821E+00	3.690E+00	2.988E+01	2.263E+01	1.269E+00
7.100E+03	0.867E+00	4.943E+02	7.373E+01	8.994E+00	3.724E+00	2.940E+01	2.223E+01	1.273E+00
7.200E+03	0.642E+00	5.088E+02	7.436E+01	9.167E+00	3.757E+00	2.868E+01	2.162E+01	1.279E+00
7.300E+03	0.417E+00	5.229E+02	7.495E+01	9.340E+00	3.787E+00	2.774E+01	2.084E+01	1.285E+00
7.400E+03	0.192E+00	5.375E+02	7.551E+01	9.513E+00	3.814E+00	2.663E+01	1.992E+01	1.294E+00
7.500E+03	0.000E+00	5.518E+02	7.604E+01	9.686E+00	3.841E+00	2.543E+01	1.893E+01	1.303E+00
1.100E+04	1.499E+00	6.043E+02	7.651E+01	9.859E+00	3.933E+00	2.018E+01	1.465E+01	1.351E+00
1.200E+04	1.355E+00	6.512E+02	7.595E+01	1.000E+01	3.991E+00	1.853E+01	1.337E+01	1.366E+00
1.300E+04	1.236E+00	6.980E+02	7.536E+01	1.022E+01	4.038E+00	1.988E+01	1.459E+01	1.345E+00
1.400E+04	1.133E+00	7.508E+02	7.479E+01	1.046E+01	4.090E+00	2.318E+01	1.734E+01	1.313E+00
1.500E+04	1.041E+00	8.131E+02	7.420E+01	1.070E+01	4.157E+00	2.789E+01	2.120E+01	1.283E+00
1.600E+04	9.555E+00	8.846E+02	7.361E+01	1.094E+01	4.245E+00	3.370E+01	2.592E+01	1.246E+00
1.700E+04	8.761E+00	9.797E+02	7.300E+01	1.119E+01	4.357E+00	4.049E+01	3.121E+01	1.246E+00
1.800E+04	8.019E+00	1.088E+03	7.242E+01	1.145E+01	4.496E+00	4.783E+01	3.676E+01	1.232E+00
1.900E+04	7.320E+00	1.215E+03	7.182E+01	1.171E+01	4.662E+00	5.523E+01	4.212E+01	1.225E+00
2.000E+04	6.683E+00	1.359E+03	7.120E+01	1.198E+01	4.855E+00	6.208E+01	4.684E+01	1.222E+00
2.100E+04	6.094E+00	1.519E+03	7.054E+01	1.226E+01	5.070E+00	6.772E+01	5.047E+01	1.222E+00
2.200E+04	5.563E+00	1.691E+03	6.986E+01	1.254E+01	5.302E+00	7.160E+01	5.264E+01	1.225E+00
2.300E+04	5.085E+00	1.864E+03	6.916E+01	1.282E+01	5.544E+00	7.335E+01	5.326E+01	1.232E+00
2.400E+04	4.672E+00	2.050E+03	6.844E+01	1.310E+01	5.787E+00	7.296E+01	5.233E+01	1.242E+00
2.500E+04	4.309E+00	2.226E+03	6.770E+01	1.338E+01	6.023E+00	7.068E+01	5.012E+01	1.255E+00
2.600E+04	3.995E+00	2.396E+03	6.695E+01	1.366E+01	6.246E+00	6.771E+01	4.702E+01	1.270E+00
2.700E+04	3.725E+00	2.555E+03	6.618E+01	1.394E+01	6.452E+00	6.255E+01	4.344E+01	1.288E+00
2.800E+04	3.492E+00	2.703E+03	6.539E+01	1.422E+01	6.637E+00	5.784E+01	3.879E+01	1.308E+00
2.900E+04	3.290E+00	2.839E+03	6.458E+01	1.450E+01	6.801E+00	5.307E+01	3.637E+01	1.328E+00
3.000E+04	3.114E+00	2.965E+03	6.375E+01	1.478E+01	6.946E+00	4.933E+01	3.338E+01	1.347E+00
3.100E+04	2.959E+00	3.082E+03	6.290E+01	1.506E+01	7.074E+00	4.603E+01	3.097E+01	1.363E+00
3.200E+04	2.822E+00	3.192E+03	6.204E+01	1.534E+01	7.186E+00	4.353E+01	2.918E+01	1.377E+00
3.300E+04	2.699E+00	3.294E+03	6.116E+01	1.562E+01	7.288E+00	4.185E+01	2.804E+01	1.389E+00
3.400E+04	2.587E+00	3.398E+03	6.027E+01	1.590E+01	7.376E+00	4.098E+01	2.753E+01	1.397E+00
3.500E+04	2.480E+00	3.499E+03	5.937E+01	1.618E+01	7.459E+00	4.087E+01	2.761E+01	1.385E+00
3.600E+04	2.391E+00	3.600E+03	5.846E+01	1.646E+01	7.538E+00	4.144E+01	2.820E+01	1.376E+00
3.700E+04	2.303E+00	3.703E+03	5.754E+01	1.674E+01	7.614E+00	4.255E+01	2.920E+01	1.370E+00
3.800E+04	2.221E+00	3.808E+03	5.661E+01	1.702E+01	7.689E+00	4.406E+01	3.048E+01	1.361E+00
3.900E+04	2.143E+00	3.920E+03	5.568E+01	1.730E+01	7.764E+00	4.577E+01	3.188E+01	1.353E+00
4.000E+04	2.069E+00	4.035E+03	5.474E+01	1.758E+01	7.839E+00	4.747E+01	3.323E+01	1.347E+00
4.100E+04	1.999E+00	4.154E+03	5.379E+01	1.786E+01	7.916E+00	4.896E+01	3.439E+01	1.343E+00
4.200E+04	1.933E+00	4.276E+03	5.283E+01	1.814E+01	7.993E+00	5.009E+01	3.524E+01	1.341E+00
4.300E+04	1.870E+00	4.400E+03	5.187E+01	1.842E+01	8.069E+00	5.074E+01	3.570E+01	1.342E+00
4.400E+04	1.811E+00	4.525E+03	5.090E+01	1.870E+01	8.144E+00	5.089E+01	3.576E+01	1.344E+00
4.500E+04	1.755E+00	4.650E+03	4.993E+01	1.898E+01	8.218E+00	5.055E+01	3.544E+01	1.349E+00
4.600E+04	1.702E+00	4.774E+03	4.896E+01	1.926E+01	8.288E+00	4.981E+01	3.483E+01	1.355E+00
4.700E+04	1.652E+00	4.898E+03	4.799E+01	1.954E+01	8.355E+00	4.879E+01	3.402E+01	1.362E+00
4.800E+04	1.606E+00	5.013E+03	4.702E+01	1.982E+01	8.418E+00	4.742E+01	3.310E+01	1.369E+00
4.900E+04	1.562E+00	5.130E+03	4.605E+01	2.010E+01	8.476E+00	4.643E+01	3.218E+01	1.376E+00
5.000E+04	1.521E+00	5.243E+03	4.508E+01	2.038E+01	8.531E+00	4.535E+01	3.136E+01	1.383E+00

TABLE I. - Continued

P/PO = 1.80E+02

T	RHO/RHO-0	H/RHO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	1.308E+02	-4.837E+00	2.172E+01	1.195E+00	1.116E+00	1.342E+01	1.060E+01	1.255E+00
6.000E+02	9.251E+01	-4.834E-01	2.492E+01	1.423E+00	1.315E+00	2.165E+01	1.618E+01	1.208E+00
7.000E+02	6.587E+01	5.289E+00	2.852E+01	1.704E+00	1.583E+00	2.340E+01	1.693E+01	1.232E+00
8.000E+02	5.091E+01	1.038E+01	3.129E+01	1.960E+00	1.793E+00	1.736E+01	1.263E+01	1.271E+00
9.000E+02	4.266E+01	1.395E+01	3.300E+01	2.183E+00	1.901E+00	1.209E+01	8.830E+00	1.310E+00
1.000E+03	3.741E+01	1.658E+01	3.413E+01	2.355E+00	1.950E+00	9.566E+00	6.988E+00	1.337E+00
1.100E+03	3.364E+01	1.879E+01	3.498E+01	2.494E+00	1.972E+00	6.534E+00	6.245E+00	1.348E+00
1.200E+03	3.067E+01	2.084E+01	3.571E+01	2.614E+00	1.983E+00	6.130E+00	5.973E+00	1.350E+00
1.300E+03	2.823E+01	2.283E+01	3.635E+01	2.722E+00	1.989E+00	7.999E+00	5.897E+00	1.348E+00
1.400E+03	2.617E+01	2.480E+01	3.695E+01	2.823E+00	1.993E+00	7.963E+00	5.905E+00	1.344E+00
1.500E+03	2.440E+01	2.677E+01	3.750E+01	2.918E+00	1.995E+00	7.909E+00	5.951E+00	1.339E+00
1.600E+03	2.286E+01	2.875E+01	3.802E+01	3.010E+00	1.996E+00	8.039E+00	6.013E+00	1.334E+00
1.700E+03	2.150E+01	3.075E+01	3.851E+01	3.098E+00	1.997E+00	8.102E+00	6.083E+00	1.330E+00
1.800E+03	2.030E+01	3.277E+01	3.898E+01	3.183E+00	1.998E+00	8.171E+00	6.156E+00	1.326E+00
1.900E+03	1.923E+01	3.480E+01	3.942E+01	3.265E+00	1.998E+00	8.244E+00	6.233E+00	1.321E+00
2.000E+03	1.826E+01	3.685E+01	3.985E+01	3.345E+00	1.998E+00	8.324E+00	6.313E+00	1.317E+00
2.100E+03	1.739E+01	3.892E+01	4.026E+01	3.423E+00	1.999E+00	8.411E+00	6.400E+00	1.313E+00
2.200E+03	1.660E+01	4.102E+01	4.066E+01	3.498E+00	1.999E+00	8.511E+00	6.497E+00	1.309E+00
2.300E+03	1.587E+01	4.315E+01	4.104E+01	3.571E+00	2.000E+00	8.628E+00	6.609E+00	1.305E+00
2.400E+03	1.521E+01	4.530E+01	4.141E+01	3.642E+00	2.000E+00	8.768E+00	6.741E+00	1.300E+00
2.500E+03	1.459E+01	4.750E+01	4.178E+01	3.710E+00	2.001E+00	8.937E+00	6.898E+00	1.295E+00
2.600E+03	1.403E+01	4.975E+01	4.213E+01	3.776E+00	2.002E+00	9.143E+00	7.087E+00	1.289E+00
2.700E+03	1.350E+01	5.205E+01	4.249E+01	3.840E+00	2.003E+00	9.391E+00	7.312E+00	1.283E+00
2.800E+03	1.301E+01	5.442E+01	4.284E+01	3.902E+00	2.005E+00	9.689E+00	7.580E+00	1.276E+00
2.900E+03	1.254E+01	5.687E+01	4.319E+01	3.963E+00	2.007E+00	1.004E+01	7.896E+00	1.269E+00
3.000E+03	1.211E+01	5.941E+01	4.354E+01	4.022E+00	2.010E+00	1.046E+01	8.264E+00	1.262E+00
3.100E+03	1.173E+01	6.207E+01	4.389E+01	4.081E+00	2.013E+00	1.095E+01	8.688E+00	1.255E+00
3.200E+03	1.131E+01	6.486E+01	4.425E+01	4.139E+00	2.018E+00	1.150E+01	9.171E+00	1.248E+00
3.300E+03	1.093E+01	6.780E+01	4.462E+01	4.196E+00	2.023E+00	1.214E+01	9.715E+00	1.242E+00
3.400E+03	1.058E+01	7.090E+01	4.500E+01	4.258E+00	2.030E+00	1.285E+01	1.032E+01	1.236E+00
3.500E+03	1.024E+01	7.419E+01	4.539E+01	4.318E+00	2.037E+00	1.365E+01	1.099E+01	1.230E+00
3.600E+03	9.907E+00	7.769E+01	4.579E+01	4.381E+00	2.047E+00	1.452E+01	1.172E+01	1.225E+00
3.700E+03	9.588E+00	8.142E+01	4.620E+01	4.445E+00	2.058E+00	1.548E+01	1.250E+01	1.221E+00
3.800E+03	9.279E+00	8.539E+01	4.663E+01	4.511E+00	2.070E+00	1.652E+01	1.334E+01	1.217E+00
3.900E+03	8.978E+00	8.962E+01	4.708E+01	4.581E+00	2.085E+00	1.783E+01	1.423E+01	1.214E+00
4.000E+03	8.685E+00	9.414E+01	4.754E+01	4.653E+00	2.101E+00	1.882E+01	1.517E+01	1.212E+00
4.100E+03	8.399E+00	9.890E+01	4.803E+01	4.728E+00	2.120E+00	2.007E+01	1.613E+01	1.210E+00
4.200E+03	8.120E+00	1.041E+02	4.853E+01	4.806E+00	2.141E+00	2.137E+01	1.713E+01	1.209E+00
4.300E+03	7.846E+00	1.094E+02	4.905E+01	4.888E+00	2.164E+00	2.273E+01	1.814E+01	1.208E+00
4.400E+03	7.579E+00	1.154E+02	4.959E+01	4.973E+00	2.189E+00	2.411E+01	1.916E+01	1.208E+00
4.500E+03	7.317E+00	1.215E+02	5.016E+01	5.062E+00	2.217E+00	2.552E+01	2.017E+01	1.208E+00
4.600E+03	7.062E+00	1.280E+02	5.076E+01	5.154E+00	2.247E+00	2.696E+01	2.116E+01	1.205E+00
4.700E+03	6.813E+00	1.348E+02	5.133E+01	5.250E+00	2.280E+00	2.834E+01	2.213E+01	1.205E+00
4.800E+03	6.570E+00	1.420E+02	5.195E+01	5.349E+00	2.315E+00	2.971E+01	2.304E+01	1.212E+00
4.900E+03	6.335E+00	1.495E+02	5.258E+01	5.452E+00	2.352E+00	3.103E+01	2.391E+01	1.214E+00
5.000E+03	6.106E+00	1.573E+02	5.322E+01	5.559E+00	2.391E+00	3.228E+01	2.472E+01	1.216E+00
5.100E+03	5.871E+00	1.738E+02	5.405E+01	5.780E+00	2.475E+00	3.446E+01	2.601E+01	1.221E+00
5.200E+03	5.639E+00	1.913E+02	5.507E+01	6.011E+00	2.565E+00	3.601E+01	2.692E+01	1.227E+00
5.300E+03	5.402E+00	2.093E+02	5.720E+01	6.249E+00	2.659E+00	3.707E+01	2.735E+01	1.234E+00
5.400E+03	5.170E+00	2.277E+02	5.951E+01	6.490E+00	2.754E+00	3.735E+01	2.733E+01	1.241E+00
5.500E+03	4.933E+00	2.466E+02	5.977E+01	6.732E+00	2.847E+00	3.694E+01	2.690E+01	1.248E+00
5.600E+03	4.699E+00	2.660E+02	6.097E+01	6.949E+00	2.937E+00	3.605E+01	2.615E+01	1.255E+00
5.700E+03	4.468E+00	2.814E+02	6.209E+01	7.199E+00	3.020E+00	3.480E+01	2.522E+01	1.261E+00
5.800E+03	4.239E+00	2.982E+02	6.314E+01	7.420E+00	3.098E+00	3.341E+01	2.426E+01	1.267E+00
5.900E+03	4.014E+00	3.164E+02	6.411E+01	7.629E+00	3.168E+00	3.207E+01	2.335E+01	1.271E+00
6.000E+03	3.792E+00	3.297E+02	6.502E+01	7.826E+00	3.232E+00	3.092E+01	2.259E+01	1.274E+00
6.100E+03	3.574E+00	3.447E+02	6.588E+01	8.011E+00	3.290E+00	3.006E+01	2.205E+01	1.275E+00
6.200E+03	3.362E+00	3.593E+02	6.669E+01	8.185E+00	3.342E+00	2.946E+01	2.175E+01	1.274E+00
6.300E+03	3.154E+00	3.737E+02	6.747E+01	8.351E+00	3.391E+00	2.917E+01	2.166E+01	1.273E+00
6.400E+03	2.951E+00	3.880E+02	6.822E+01	8.509E+00	3.436E+00	2.913E+01	2.174E+01	1.271E+00
6.500E+03	2.753E+00	4.023E+02	6.896E+01	8.668E+00	3.479E+00	2.927E+01	2.195E+01	1.269E+00
6.600E+03	2.560E+00	4.164E+02	6.969E+01	8.817E+00	3.521E+00	2.951E+01	2.221E+01	1.267E+00
6.700E+03	2.374E+00	4.314E+02	7.040E+01	8.970E+00	3.560E+00	2.977E+01	2.247E+01	1.266E+00
6.800E+03	2.194E+00	4.460E+02	7.110E+01	9.125E+00	3.599E+00	2.977E+01	2.265E+01	1.266E+00
6.900E+03	2.020E+00	4.608E+02	7.179E+01	9.282E+00	3.634E+00	2.900E+01	2.270E+01	1.267E+00
7.000E+03	1.852E+00	4.755E+02	7.246E+01	9.442E+00	3.672E+00	2.799E+01	2.257E+01	1.269E+00
7.100E+03	1.690E+00	4.902E+02	7.311E+01	9.605E+00	3.707E+00	2.949E+01	2.223E+01	1.273E+00
7.200E+03	1.534E+00	5.049E+02	7.374E+01	9.771E+00	3.740E+00	2.895E+01	2.174E+01	1.278E+00
7.300E+03	1.384E+00	5.195E+02	7.434E+01	9.940E+00	3.771E+00	2.800E+01	2.104E+01	1.284E+00
7.400E+03	1.239E+00	5.321E+02	7.490E+01	1.011E+01	3.800E+00	2.644E+01	2.019E+01	1.292E+00
7.500E+03	1.098E+00	5.451E+02	7.544E+01	1.028E+01	3.826E+00	2.585E+01	1.926E+01	1.300E+00
7.600E+03	9.61E+00	5.581E+02	7.593E+01	1.043E+01	3.852E+00	2.537E+01	1.839E+01	1.308E+00
7.700E+03	8.27E+00	5.712E+02	7.631E+01	1.079E+01	3.894E+00	1.858E+01	1.339E+01	1.317E+00
7.800E+03	6.93E+00	5.845E+02	7.662E+01	1.022E+01	3.931E+00	1.963E+01	1.435E+01	1.349E+00
7.900E+03	5.59E+00	5.977E+02	7.687E+01	1.265E+01	4.082E+00	2.263E+01	1.690E+01	1.317E+00
8.000E+03	4.25E+00	6.108E+02	7.707E+01	1.304E+01	4.140E+00	2.709E+01	2.056E+01	1.287E+00
8.100E+03	2.91E+00	6.239E+02	7.722E+01	1.340E+01	4.229E+00	3.262E+01	2.506E+01	1.263E+00
8.200E+03	1.57E+00	6.369E+02	7.733E+01	1.373E+01	4.335E+00	3.911E+01	3.016E+01	1.246E+00
8.300E+03	2.23E+00	6.498E+02	7.739E+01	1.452E+01	4.467E+00	4.618E+01	3.553E+01	1.233E+00
8.400E+03	8.30E-01	6.627E+02	7.741E+01	1.513E+01	4.624E+00	5.336E+01	4.079E+01	1.221E+00
8.500E+03	7.592E-01	6.756E+02	7.739E+01	1.560E+01	4.807E+00	6.009E+01	4.544E+01	1.221E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
2.100E+04	6.935E-01	1.491E+03	9.922E+C1	1.653E+01	5.013E+00	6.576E+01	4.920E+01	1.221E+00
2.200E+04	6.338E-01	1.658E+03	1.024E+02	1.731E+01	5.235E+00	6.983E+01	5.150E+01	1.223E+00
2.300E+04	5.804E-01	1.833E+03	1.055E+C2	1.813E+01	5.468E+00	7.195E+01	5.247E+01	1.229E+00
2.400E+04	5.332E-01	2.010E+03	1.086E+02	1.898E+01	5.704E+00	7.203E+01	5.187E+01	1.238E+00
2.500E+04	4.919E-01	2.185E+03	1.115E+C2	1.986E+01	5.936E+00	7.026E+01	5.001E+01	1.250E+00
2.600E+04	4.500E-01	2.353E+03	1.142E+02	2.075E+01	6.157E+00	6.708E+01	4.721E+01	1.265E+00
2.700E+04	4.250E-C1	2.513E+03	1.166E+C2	2.164E+01	6.362E+00	6.501E+01	4.388E+01	1.282E+00
2.800E+04	3.981E-01	2.662E+03	1.188E+02	2.252E+01	6.549E+00	5.857E+01	4.038E+01	1.301E+00
2.900E+04	3.748E-01	2.801E+03	1.208E+02	2.338E+01	6.716E+00	5.421E+01	3.703E+01	1.321E+00
3.000E+04	3.544E-01	2.929E+03	1.225E+C2	2.422E+01	6.865E+00	5.025E+01	3.404E+01	1.340E+00
3.100E+04	3.366E-01	3.048E+03	1.241E+02	2.501E+01	6.997E+00	4.689E+01	3.156E+01	1.357E+00
3.200E+04	3.207E-01	3.160E+03	1.256E+C2	2.576E+01	7.113E+00	4.426E+01	2.966E+01	1.371E+00
3.300E+04	3.065E-01	3.266E+03	1.269E+02	2.644E+01	7.217E+00	4.239E+01	2.836E+01	1.381E+00
3.400E+04	2.937E-C1	3.369E+C3	1.281E+02	2.706E+01	7.311E+00	4.130E+01	2.767E+01	1.385E+00
3.500E+04	2.820E-01	3.469E+C3	1.293E+C2	2.761E+01	7.397E+00	4.094E+01	2.735E+01	1.385E+00
3.600E+04	2.712E-01	3.570E+C3	1.305E+02	2.810E+01	7.478E+00	4.125E+01	2.794E+01	1.380E+00
3.700E+04	2.611E-01	3.673E+C3	1.316E+C2	2.856E+01	7.555E+00	4.213E+01	2.876E+01	1.373E+00
3.800E+04	2.517E-01	3.778E+C3	1.327E+02	2.900E+01	7.631E+00	4.343E+01	2.988E+01	1.364E+00
3.900E+04	2.429E-01	3.887E+C3	1.339E+02	2.944E+01	7.707E+00	4.500E+01	3.117E+01	1.356E+00
4.000E+04	2.349E-01	4.000E+03	1.351E+02	2.988E+01	7.782E+00	4.663E+01	3.249E+01	1.350E+00
4.100E+04	2.266E-01	4.116E+C3	1.362E+C2	3.035E+01	7.858E+00	4.815E+01	3.367E+01	1.345E+00
4.200E+04	2.190E-01	4.236E+C3	1.374E+02	3.084E+01	7.935E+00	4.938E+01	3.461E+01	1.342E+00
4.300E+04	2.119E-C1	4.359E+C3	1.386E+02	3.135E+01	8.011E+00	5.020E+01	3.521E+01	1.342E+00
4.400E+04	2.051E-01	4.483E+C3	1.397E+02	3.189E+01	8.087E+00	5.055E+01	3.544E+01	1.344E+00
4.500E+04	1.989E-01	4.608E+C3	1.409E+02	3.244E+01	8.161E+00	5.044E+01	3.530E+01	1.344E+00
4.600E+04	1.928E-01	4.732E+C3	1.420E+C2	3.301E+01	8.233E+00	4.991E+01	3.485E+01	1.346E+00
4.700E+04	1.871E-01	4.854E+C3	1.430E+02	3.358E+01	8.301E+00	4.977E+01	3.471E+01	1.347E+00
4.800E+04	1.818E-01	4.973E+C3	1.440E+C2	3.416E+01	8.366E+00	4.802E+01	3.336E+01	1.347E+00
4.900E+04	1.768E-01	5.090E+C3	1.450E+02	3.472E+01	8.427E+00	4.690E+01	3.247E+01	1.347E+00
5.000E+04	1.721E-01	5.204E+C3	1.460E+C2	3.528E+01	8.483E+00	4.582E+01	3.166E+01	1.380E+00

P/PO = 2.00E+02

T	RHO/RHO-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+C2	1.461E+02	-4.926E+00	2.153E+C1	1.193E+00	1.110E+00	1.298E+01	1.026E+01	1.206E+00
6.000E+02	1.303E+02	-7.143E-C1	2.482E+C1	1.415E+00	1.300E+00	2.102E+01	1.575E+01	1.208E+00
7.000E+02	7.414E+01	4.96CE+00	2.817E+01	1.692E+00	1.563E+00	2.336E+01	1.669E+01	1.231E+00
8.000E+02	5.707E+01	1.011E+01	3.157E+01	1.957E+00	1.777E+00	1.782E+01	1.293E+01	1.268E+00
9.000E+02	4.176E+01	1.374E+01	3.273E+C1	2.175E+00	1.892E+00	1.245E+01	9.089E+00	1.307E+00
1.000E+03	4.176E+01	1.649E+01	3.398E+C1	2.349E+00	1.945E+00	9.709E+00	7.133E+00	1.335E+00
1.100E+03	3.746E+01	1.874E+01	3.478E+01	2.491E+00	1.970E+00	8.639E+00	6.320E+00	1.347E+00
1.200E+03	3.411E+01	2.081E+01	3.549E+C1	2.612E+00	1.982E+00	8.187E+00	6.013E+00	1.349E+00
1.300E+03	3.138E+01	2.281E+01	3.614E+01	2.721E+00	1.988E+00	8.021E+00	5.919E+00	1.347E+00
1.400E+03	2.999E+01	2.479E+01	3.673E+01	2.822E+00	1.992E+00	7.982E+00	5.918E+00	1.343E+00
1.500E+03	2.712E+01	2.676E+01	3.728E+C1	2.918E+00	1.994E+00	8.001E+00	5.959E+00	1.339E+00
1.600E+03	2.540E+01	2.875E+01	3.782E+C1	3.009E+00	1.996E+00	8.047E+00	6.019E+00	1.336E+00
1.700E+03	2.390E+01	3.075E+01	3.830E+C1	3.097E+00	1.997E+00	8.108E+00	6.086E+00	1.330E+00
1.800E+03	2.256E+01	3.276E+01	3.876E+01	3.183E+00	1.997E+00	8.174E+00	6.158E+00	1.326E+00
1.900E+03	2.137E+01	3.479E+01	3.921E+C1	3.265E+00	1.998E+00	8.240E+00	6.233E+00	1.321E+00
2.000E+03	2.030E+01	3.685E+01	3.964E+01	3.345E+00	1.998E+00	8.294E+00	6.312E+00	1.317E+00
2.100E+03	1.933E+01	3.892E+01	4.005E+C1	3.423E+00	1.999E+00	8.409E+00	6.397E+00	1.313E+00
2.200E+03	1.844E+01	4.102E+01	4.044E+C1	3.498E+00	1.999E+00	8.506E+00	6.492E+00	1.309E+00
2.300E+03	1.764E+01	4.314E+01	4.083E+01	3.571E+00	1.999E+00	8.620E+00	6.601E+00	1.305E+00
2.400E+03	1.690E+01	4.536E+01	4.120E+C1	3.642E+00	2.000E+00	8.755E+00	6.729E+00	1.300E+00
2.500E+03	1.622E+01	4.749E+01	4.156E+C1	3.710E+00	2.001E+00	8.918E+00	6.880E+00	1.295E+00
2.600E+03	1.559E+01	4.973E+01	4.192E+C1	3.777E+00	2.001E+00	9.115E+00	7.061E+00	1.289E+00
2.700E+03	1.500E+01	5.202E+01	4.227E+01	3.841E+00	2.003E+00	9.322E+00	7.277E+00	1.284E+00
2.800E+03	1.445E+01	5.438E+01	4.262E+01	3.903E+00	2.004E+00	9.637E+00	7.533E+00	1.277E+00
2.900E+03	1.394E+01	5.681E+01	4.297E+C1	3.964E+00	2.006E+00	9.975E+00	7.835E+00	1.271E+00
3.000E+03	1.346E+01	5.934E+C1	4.332E+01	4.024E+00	2.009E+00	1.037E+01	8.166E+00	1.264E+00
3.100E+03	1.300E+01	6.158E+01	4.367E+01	4.083E+00	2.012E+00	1.083E+01	8.590E+00	1.257E+00
3.200E+03	1.257E+01	6.473E+01	4.402E+01	4.141E+00	2.017E+00	1.137E+01	9.050E+00	1.250E+00
3.300E+03	1.216E+01	6.763E+01	4.439E+01	4.200E+00	2.022E+00	1.197E+01	9.568E+00	1.244E+00
3.400E+03	1.176E+01	7.069E+01	4.476E+01	4.259E+00	2.028E+00	1.245E+01	1.014E+01	1.238E+00
3.500E+C3	1.139E+01	7.393E+01	4.514E+C1	4.319E+00	2.035E+00	1.340E+01	1.078E+01	1.232E+00
3.600E+03	1.102E+01	7.736E+01	4.553E+C1	4.381E+00	2.044E+00	1.424E+01	1.147E+01	1.227E+00
3.700E+03	1.067E+01	8.101E+01	4.594E+01	4.443E+00	2.055E+00	1.515E+01	1.222E+01	1.219E+00
3.800E+03	1.033E+01	8.489E+01	4.636E+01	4.511E+00	2.067E+00	1.614E+01	1.302E+01	1.216E+00
3.900E+03	9.997E+00	8.903E+01	4.680E+01	4.579E+00	2.080E+00	1.719E+01	1.387E+01	1.216E+00
4.000E+03	9.674E+00	9.343E+01	4.725E+01	4.650E+00	2.096E+00	1.832E+01	1.476E+01	1.211E+00
4.100E+03	9.359E+00	9.813E+01	4.772E+01	4.724E+00	2.114E-00	1.952E+01	1.569E+01	1.211E+00
4.200E+03	9.052E+00	1.031E+C2	4.821E+C1	4.801E+00	2.133E+00	2.076E+01	1.664E+01	1.210E+00
4.300E+03	8.751E+00	1.084E+C2	4.872E+C1	4.881E+00	2.155E+00	2.206E+01	1.761E+01	1.209E+00
4.400E+03	8.458E+00	1.144E+C2	4.924E+01	4.965E+00	2.180E+00	2.339E+01	1.859E+01	1.208E+00
4.500E+03	8.173E+00	1.203E+02	4.979E+01	5.052E+00	2.206E+00	2.476E+01	1.957E+01	1.208E+00
4.600E+03	7.890E+00	1.263E+02	5.035E+01	5.142E+00	2.235E+00	2.611E+01	2.054E+01	1.210E+00
4.700E+03	7.616E+00	1.324E+02	5.093E+C1	5.236E+00	2.266E+00	2.747E+01	2.148E+01	1.211E+00
4.800E+03	7.349E+00	1.394E+02	5.153E+C1	5.333E+00	2.299E+00	2.881E+01	2.238E+01	1.212E+00

TABLE I. - Continued

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
4.900E+03	7.089E+00	1.472E+02	5.214E+01	5.434E+00	2.335E+00	3.010E+01	2.323E+01	1.214E+00
5.000E+03	6.837E+00	1.548E+02	5.276E+01	5.538E+00	2.373E+00	3.134E+01	2.402E+01	1.216E+00
5.280E+03	6.357E+00	1.708E+02	5.404E+01	5.755E+00	2.454E+00	3.354E+01	2.537E+01	1.221E+00
5.600E+03	5.912E+00	1.878E+02	5.534E+01	5.982E+00	2.541E+00	3.526E+01	2.634E+01	1.227E+00
5.800E+03	5.503E+00	2.055E+02	5.665E+01	6.216E+00	2.632E+00	3.639E+01	2.689E+01	1.233E+00
5.800E+03	5.132E+00	2.236E+02	5.793E+01	6.454E+00	2.725E+00	3.686E+01	2.700E+01	1.240E+00
6.000E+03	4.799E+00	2.417E+02	5.918E+01	6.694E+00	2.817E+00	3.670E+01	2.671E+01	1.247E+00
6.200E+03	4.502E+00	2.596E+02	6.037E+01	6.930E+00	2.906E+00	3.600E+01	2.610E+01	1.254E+00
6.400E+03	4.238E+00	2.770E+02	6.150E+01	7.161E+00	2.990E+00	3.492E+01	2.528E+01	1.260E+00
6.400E+03	4.005E+00	2.939E+02	6.255E+01	7.383E+00	3.069E+00	3.366E+01	2.438E+01	1.266E+00
6.800E+03	3.798E+00	3.101E+02	6.354E+01	7.594E+00	3.140E+00	3.238E+01	2.351E+01	1.270E+00
7.000E+03	3.614E+00	3.257E+02	6.445E+01	7.794E+00	3.206E+00	3.124E+01	2.276E+01	1.273E+00
7.200E+03	3.450E+00	3.409E+02	6.532E+01	7.982E+00	3.265E+00	3.032E+01	2.219E+01	1.275E+00
7.400E+03	3.302E+00	3.556E+02	6.614E+01	8.159E+00	3.320E+00	2.968E+01	2.184E+01	1.275E+00
7.600E+03	3.167E+00	3.701E+02	6.692E+01	8.327E+00	3.370E+00	2.931E+01	2.168E+01	1.274E+00
7.800E+03	3.044E+00	3.844E+02	6.768E+01	8.488E+00	3.416E+00	2.918E+01	2.171E+01	1.272E+00
8.000E+03	2.930E+00	3.988E+02	6.842E+01	8.645E+00	3.460E+00	2.925E+01	2.188E+01	1.270E+00
8.200E+03	2.824E+00	4.132E+02	6.914E+01	8.798E+00	3.502E+00	2.943E+01	2.208E+01	1.268E+00
8.400E+03	2.726E+00	4.277E+02	6.985E+01	8.952E+00	3.542E+00	2.966E+01	2.232E+01	1.267E+00
8.600E+03	2.634E+00	4.424E+02	7.055E+01	9.106E+00	3.581E+00	2.984E+01	2.251E+01	1.267E+00
8.800E+03	2.547E+00	4.571E+02	7.123E+01	9.263E+00	3.619E+00	2.992E+01	2.258E+01	1.267E+00
9.000E+03	2.465E+00	4.718E+02	7.190E+01	9.422E+00	3.656E+00	2.982E+01	2.251E+01	1.269E+00
9.200E+03	2.389E+00	4.864E+02	7.256E+01	9.584E+00	3.691E+00	2.951E+01	2.225E+01	1.273E+00
9.400E+03	2.317E+00	5.008E+02	7.318E+01	9.748E+00	3.724E+00	2.898E+01	2.181E+01	1.277E+00
9.600E+03	2.249E+00	5.149E+02	7.379E+01	9.916E+00	3.756E+00	2.822E+01	2.118E+01	1.283E+00
9.800E+03	2.186E+00	5.285E+02	7.436E+01	1.009E+01	3.786E+00	2.729E+01	2.041E+01	1.285E+00
1.000E+04	2.127E+00	5.417E+02	7.490E+01	1.026E+01	3.813E+00	2.621E+01	1.952E+01	1.298E+00
1.100E+04	1.883E+00	5.994E+02	7.713E+01	1.110E+01	3.916E+00	2.050E+01	1.520E+01	1.345E+00
1.200E+04	1.699E+00	6.473E+02	7.882E+01	1.178E+01	3.978E+00	1.865E+01	1.342E+01	1.378E+00
1.300E+04	1.550E+00	6.936E+02	8.033E+01	1.226E+01	4.025E+00	1.943E+01	1.417E+01	1.352E+00
1.400E+04	1.422E+00	7.445E+02	8.186E+01	1.266E+01	4.075E+00	2.220E+01	1.653E+01	1.321E+00
1.500E+04	1.307E+00	8.040E+02	8.352E+01	1.305E+01	4.136E+00	2.639E+01	2.001E+01	1.291E+00
1.600E+04	1.202E+00	8.753E+02	8.538E+01	1.347E+01	4.216E+00	3.171E+01	2.434E+01	1.268E+00
1.700E+04	1.105E+00	9.607E+02	8.748E+01	1.395E+01	4.317E+00	3.795E+01	4.926E+01	1.242E+00
1.800E+04	1.014E+00	1.062E+03	8.984E+01	1.449E+01	4.442E+00	4.477E+01	3.449E+01	1.235E+00
1.900E+04	9.296E-01	1.181E+03	9.244E+01	1.508E+01	4.592E+00	5.175E+01	3.964E+01	1.228E+00
2.000E+04	8.507E-01	1.316E+03	9.525E+01	1.573E+01	4.770E+00	5.836E+01	4.431E+01	1.221E+00
2.100E+04	7.782E-01	1.467E+03	9.823E+01	1.644E+01	4.963E+00	6.403E+01	4.807E+01	1.220E+00
2.200E+04	7.121E-01	1.630E+03	1.013E+02	1.720E+01	5.177E+00	6.825E+01	5.061E+01	1.221E+00
2.300E+04	6.528E-01	1.810E+03	1.044E+02	1.800E+01	5.403E+00	7.064E+01	5.172E+01	1.227E+00
2.400E+04	6.001E-01	1.975E+03	1.074E+02	1.884E+01	5.632E+00	7.110E+01	5.140E+01	1.235E+00
2.500E+04	5.537E-01	2.148E+03	1.103E+02	1.970E+01	5.859E+00	6.977E+01	4.983E+01	1.246E+00
2.600E+04	5.133E-01	2.316E+03	1.129E+02	2.057E+01	6.077E+00	6.700E+01	4.731E+01	1.260E+00
2.700E+04	4.782E-01	2.476E+03	1.154E+02	2.145E+01	6.281E+00	6.328E+01	4.419E+01	1.277E+00
2.800E+04	4.478E-01	2.626E+03	1.176E+02	2.233E+01	6.469E+00	5.911E+01	4.085E+01	1.295E+00
2.900E+04	4.213E-01	2.766E+03	1.196E+02	2.319E+01	6.639E+00	5.451E+01	3.758E+01	1.314E+00
3.000E+04	3.981E-01	2.896E+03	1.214E+02	2.403E+01	6.791E+00	5.101E+01	3.461E+01	1.333E+00
3.100E+04	3.778E-01	3.017E+03	1.230E+02	2.483E+01	6.926E+00	4.783E+01	3.209E+01	1.351E+00
3.200E+04	3.597E-01	3.130E+03	1.244E+02	2.559E+01	7.046E+00	4.491E+01	3.009E+01	1.366E+00
3.300E+04	3.436E-01	3.238E+03	1.258E+02	2.628E+01	7.153E+00	4.291E+01	2.868E+01	1.377E+00
3.400E+04	3.290E-01	3.341E+03	1.270E+02	2.692E+01	7.250E+00	4.163E+01	2.784E+01	1.383E+00
3.500E+04	3.158E-01	3.443E+03	1.282E+02	2.749E+01	7.339E+00	4.107E+01	2.755E+01	1.384E+00
3.600E+04	3.036E-01	3.543E+03	1.294E+02	2.801E+01	7.422E+00	4.117E+01	2.777E+01	1.381E+00
3.700E+04	2.923E-01	3.645E+03	1.305E+02	2.848E+01	7.501E+00	4.183E+01	2.842E+01	1.375E+00
3.800E+04	2.817E-01	3.750E+03	1.316E+02	2.893E+01	7.578E+00	4.255E+01	2.940E+01	1.367E+00
3.900E+04	2.717E-01	3.857E+03	1.328E+02	2.937E+01	7.653E+00	4.437E+01	3.059E+01	1.359E+00
4.000E+04	2.623E-01	3.968E+03	1.339E+02	2.981E+01	7.729E+00	4.592E+01	3.185E+01	1.353E+00
4.100E+04	2.535E-01	4.083E+03	1.351E+02	3.027E+01	7.805E+00	4.742E+01	3.303E+01	1.347E+00
4.200E+04	2.450E-01	4.201E+03	1.362E+02	3.076E+01	7.882E+00	4.871E+01	3.403E+01	1.344E+00
4.300E+04	2.370E-01	4.322E+03	1.374E+02	3.126E+01	7.958E+00	4.965E+01	3.473E+01	1.343E+00
4.400E+04	2.294E-01	4.445E+03	1.385E+02	3.179E+01	8.034E+00	5.018E+01	3.509E+01	1.345E+00
4.500E+04	2.223E-01	4.569E+03	1.397E+02	3.233E+01	8.109E+00	5.025E+01	3.510E+01	1.348E+00
4.600E+04	2.155E-01	4.693E+03	1.408E+02	3.289E+01	8.181E+00	4.992E+01	3.480E+01	1.352E+00
4.700E+04	2.092E-01	4.815E+03	1.418E+02	3.346E+01	8.251E+00	4.924E+01	3.424E+01	1.358E+00
4.800E+04	2.032E-01	4.935E+03	1.428E+02	3.403E+01	8.317E+00	4.832E+01	3.351E+01	1.365E+00
4.900E+04	1.975E-01	5.053E+03	1.438E+02	3.460E+01	8.380E+00	4.728E+01	3.269E+01	1.372E+00
5.000E+04	1.922E-01	5.168E+03	1.448E+02	3.516E+01	8.438E+00	4.622E+01	3.186E+01	1.378E+00

P/PC = 2.20E+02

T	RHO/RHO-0	H/RT0	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	1.614E+02	-5.003E+00	2.134E+01	1.191E+00	1.105E+00	1.260E+01	9.965E+00	1.267E+00
6.000E+02	1.155E+02	-9.156E-01	2.436E+01	1.409E+00	1.208E+00	2.046E+01	1.536E+01	1.208E+00
7.000E+02	8.252E+01	4.868E+00	2.785E+01	1.681E+00	1.245E+00	2.326E+01	1.882E+01	1.230E+00
8.000E+02	6.331E+01	4.868E+00	3.067E+01	1.947E+00	1.702E+00	1.621E+01	1.319E+01	1.266E+00
9.000E+02	5.268E+01	1.364E+01	3.248E+01	2.188E+00	1.883E+00	1.280E+01	9.330E+00	1.304E+00
1.000E+03	4.599E+01	1.641E+01	3.367E+01	2.344E+00	1.940E+00	4.965E+00	7.273E+00	1.333E+00
1.100E+03	4.124E+01	1.869E+01	3.455E+01	2.488E+00	1.967E+00	6.743E+00	6.394E+00	1.344E+00
1.200E+03	3.755E+01	2.078E+01	3.529E+01	2.610E+00	1.980E+00	8.243E+00	6.052E+00	1.349E+00

TABLE I. - Continued

T	R-U/R4U-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
1.300E+03	3.454E+01	2.279E+01	3.594E+01	2.719E+00	1.987E+00	8.053E+00	5.941E+00	1.347E+00
1.400E+03	3.201E+01	2.477E+01	3.654E+01	2.821E+00	1.991E+00	8.002E+00	5.931E+00	1.340E+00
1.500E+03	2.984E+01	2.675E+01	3.719E+01	2.917E+00	1.994E+00	8.013E+00	5.947E+00	1.339E+00
1.600E+03	2.795E+01	2.874E+01	3.761E+01	3.009E+00	1.995E+00	8.056E+00	6.024E+00	1.338E+00
1.700E+03	2.629E+01	3.074E+01	3.810E+01	3.097E+00	1.996E+00	8.113E+00	6.090E+00	1.337E+00
1.800E+03	2.482E+01	3.274E+01	3.857E+01	3.182E+00	1.997E+00	8.178E+00	6.160E+00	1.336E+00
1.900E+03	2.351E+01	3.479E+01	3.902E+01	3.265E+00	1.998E+00	8.248E+00	6.230E+00	1.335E+00
2.000E+03	2.233E+01	3.684E+01	3.949E+01	3.345E+00	1.998E+00	8.324E+00	6.312E+00	1.334E+00
2.100E+03	2.126E+01	3.892E+01	3.988E+01	3.425E+00	1.998E+00	8.408E+00	6.394E+00	1.333E+00
2.200E+03	2.029E+01	4.101E+01	4.025E+01	3.498E+00	1.999E+00	8.503E+00	6.480E+00	1.332E+00
2.300E+03	1.940E+01	4.313E+01	4.064E+01	3.572E+00	1.999E+00	8.613E+00	6.594E+00	1.331E+00
2.400E+03	1.859E+01	4.529E+01	4.101E+01	3.642E+00	2.000E+00	8.744E+00	6.718E+00	1.330E+00
2.500E+03	1.784E+01	4.748E+01	4.137E+01	3.711E+00	2.000E+00	8.901E+00	6.865E+00	1.295E+00
2.600E+03	1.715E+01	4.971E+01	4.173E+01	3.777E+00	2.001E+00	9.091E+00	7.039E+00	1.290E+00
2.700E+03	1.650E+01	5.200E+01	4.208E+01	3.842E+00	2.002E+00	9.319E+00	7.247E+00	1.284E+00
2.800E+03	1.590E+01	5.434E+01	4.243E+01	3.904E+00	2.004E+00	9.592E+00	7.493E+00	1.278E+00
2.900E+03	1.534E+01	5.677E+01	4.277E+01	3.965E+00	2.006E+00	9.916E+00	7.782E+00	1.272E+00
3.000E+03	1.481E+01	5.928E+01	4.312E+01	4.025E+00	2.008E+00	1.030E+01	8.118E+00	1.265E+00
3.100E+03	1.431E+01	6.189E+01	4.347E+01	4.084E+00	2.012E+00	1.074E+01	8.505E+00	1.259E+00
3.200E+03	1.383E+01	6.462E+01	4.382E+01	4.143E+00	2.016E+00	1.125E+01	8.945E+00	1.252E+00
3.300E+03	1.338E+01	6.749E+01	4.418E+01	4.201E+00	2.021E+00	1.187E+01	9.441E+00	1.245E+00
3.400E+03	1.295E+01	7.051E+01	4.454E+01	4.261E+00	2.027E+00	1.247E+01	9.993E+00	1.239E+00
3.500E+03	1.253E+01	7.370E+01	4.492E+01	4.321E+00	2.034E+00	1.319E+01	1.060E+01	1.234E+00
3.600E+03	1.214E+01	7.707E+01	4.531E+01	4.382E+00	2.042E+00	1.399E+01	1.126E+01	1.229E+00
3.700E+03	1.175E+01	8.066E+01	4.571E+01	4.445E+00	2.052E+00	1.486E+01	1.198E+01	1.224E+00
3.800E+03	1.138E+01	8.446E+01	4.612E+01	4.510E+00	2.063E+00	1.580E+01	1.275E+01	1.221E+00
3.900E+03	1.102E+01	8.851E+01	4.655E+01	4.578E+00	2.077E+00	1.682E+01	1.356E+01	1.217E+00
4.000E+03	1.066E+01	9.282E+01	4.699E+01	4.648E+00	2.092E+00	1.790E+01	1.442E+01	1.215E+00
4.100E+03	1.032E+01	9.740E+01	4.745E+01	4.721E+00	2.108E+00	1.904E+01	1.530E+01	1.213E+00
4.200E+03	9.986E+00	1.023E+02	4.793E+01	4.797E+00	2.127E+00	2.024E+01	1.622E+01	1.211E+00
4.300E+03	9.659E+00	1.074E+02	4.842E+01	4.875E+00	2.148E+00	2.148E+01	1.716E+01	1.211E+00
4.400E+03	9.339E+00	1.129E+02	4.893E+01	4.956E+00	2.171E+00	2.276E+01	1.810E+01	1.210E+00
4.500E+03	9.026E+00	1.187E+02	4.946E+01	5.043E+00	2.197E+00	2.407E+01	1.905E+01	1.210E+00
4.600E+03	8.720E+00	1.248E+02	5.001E+01	5.132E+00	2.224E+00	2.539E+01	1.999E+01	1.211E+00
4.700E+03	8.422E+00	1.313E+02	5.057E+01	5.224E+00	2.254E+00	2.671E+01	2.091E+01	1.212E+00
4.800E+03	8.131E+00	1.381E+02	5.115E+01	5.319E+00	2.286E+00	2.801E+01	2.179E+01	1.213E+00
4.900E+03	7.848E+00	1.451E+02	5.175E+01	5.418E+00	2.320E+00	2.928E+01	2.263E+01	1.219E+00
5.000E+03	7.572E+00	1.525E+02	5.235E+01	5.520E+00	2.356E+00	3.050E+01	2.362E+01	1.217E+00
5.100E+03	7.304E+00	1.604E+02	5.296E+01	5.623E+00	2.395E+00	3.271E+01	2.479E+01	1.221E+00
5.200E+03	7.059E+00	1.687E+02	5.367E+01	5.728E+00	2.435E+00	3.499E+01	2.581E+01	1.227E+00
5.300E+03	6.830E+00	1.774E+02	5.445E+01	5.835E+00	2.478E+00	3.746E+01	2.695E+01	1.233E+00
5.400E+03	6.615E+00	1.864E+02	5.529E+01	5.945E+00	2.526E+00	3.998E+01	2.820E+01	1.240E+00
5.500E+03	6.414E+00	1.956E+02	5.618E+01	6.058E+00	2.579E+00	4.260E+01	2.950E+01	1.246E+00
5.600E+03	6.225E+00	2.052E+02	5.712E+01	6.175E+00	2.636E+00	4.534E+01	3.084E+01	1.253E+00
5.700E+03	6.048E+00	2.152E+02	5.811E+01	6.296E+00	2.697E+00	4.820E+01	3.232E+01	1.260E+00
5.800E+03	5.884E+00	2.256E+02	5.915E+01	6.421E+00	2.763E+00	5.118E+01	3.394E+01	1.267E+00
5.900E+03	5.732E+00	2.364E+02	6.024E+01	6.550E+00	2.834E+00	5.428E+01	3.569E+01	1.270E+00
6.000E+03	5.592E+00	2.476E+02	6.138E+01	6.683E+00	2.909E+00	5.750E+01	3.758E+01	1.273E+00
6.100E+03	5.464E+00	2.592E+02	6.257E+01	6.820E+00	2.988E+00	6.084E+01	3.959E+01	1.275E+00
6.200E+03	5.348E+00	2.712E+02	6.381E+01	6.961E+00	3.070E+00	6.434E+01	4.172E+01	1.278E+00
6.300E+03	5.244E+00	2.836E+02	6.510E+01	7.106E+00	3.155E+00	6.798E+01	4.397E+01	1.279E+00
6.400E+03	5.152E+00	2.964E+02	6.644E+01	7.256E+00	3.244E+00	7.180E+01	4.634E+01	1.279E+00
6.500E+03	5.072E+00	3.096E+02	6.783E+01	7.410E+00	3.336E+00	7.582E+01	4.882E+01	1.278E+00
6.600E+03	5.004E+00	3.232E+02	6.926E+01	7.568E+00	3.431E+00	7.994E+01	5.142E+01	1.276E+00
6.700E+03	4.948E+00	3.373E+02	7.073E+01	7.730E+00	3.529E+00	8.416E+01	5.414E+01	1.273E+00
6.800E+03	4.904E+00	3.518E+02	7.224E+01	7.896E+00	3.630E+00	8.852E+01	5.698E+01	1.269E+00
6.900E+03	4.872E+00	3.667E+02	7.379E+01	8.066E+00	3.734E+00	9.300E+01	5.994E+01	1.264E+00
7.000E+03	4.842E+00	3.820E+02	7.538E+01	8.240E+00	3.841E+00	9.760E+01	6.302E+01	1.258E+00
7.100E+03	4.814E+00	3.976E+02	7.701E+01	8.418E+00	3.951E+00	1.024E+02	6.622E+01	1.251E+00
7.200E+03	4.788E+00	4.136E+02	7.868E+01	8.600E+00	4.064E+00	1.074E+02	6.954E+01	1.243E+00
7.300E+03	4.764E+00	4.300E+02	8.039E+01	8.786E+00	4.180E+00	1.126E+02	7.308E+01	1.234E+00
7.400E+03	4.742E+00	4.468E+02	8.214E+01	8.976E+00	4.300E+00	1.180E+02	7.684E+01	1.224E+00
7.500E+03	4.722E+00	4.640E+02	8.393E+01	9.170E+00	4.424E+00	1.236E+02	8.082E+01	1.213E+00
7.600E+03	4.704E+00	4.816E+02	8.576E+01	9.368E+00	4.552E+00	1.294E+02	8.502E+01	1.201E+00
7.700E+03	4.688E+00	5.000E+02	8.763E+01	9.570E+00	4.684E+00	1.354E+02	8.944E+01	1.188E+00
7.800E+03	4.674E+00	5.192E+02	8.954E+01	9.776E+00	4.820E+00	1.416E+02	9.408E+01	1.174E+00
7.900E+03	4.662E+00	5.392E+02	9.150E+01	9.986E+00	4.960E+00	1.480E+02	9.894E+01	1.159E+00
8.000E+03	4.652E+00	5.600E+02	9.352E+01	1.010E+01	5.104E+00	1.546E+02	1.040E+02	1.143E+00
8.100E+03	4.644E+00	5.816E+02	9.558E+01	1.023E+01	5.252E+00	1.614E+02	1.092E+02	1.126E+00
8.200E+03	4.638E+00	6.040E+02	9.769E+01	1.037E+01	5.404E+00	1.684E+02	1.146E+02	1.108E+00
8.300E+03	4.634E+00	6.280E+02	9.984E+01	1.052E+01	5.560E+00	1.756E+02	1.202E+02	1.089E+00
8.400E+03	4.632E+00	6.536E+02	1.019E+02	1.067E+01	5.720E+00	1.830E+02	1.260E+02	1.069E+00
8.500E+03	4.632E+00	6.808E+02	1.046E+02	1.083E+01	5.884E+00	1.906E+02	1.320E+02	1.048E+00
8.600E+03	4.634E+00	7.096E+02	1.074E+02	1.100E+01	6.052E+00	1.984E+02	1.382E+02	1.026E+00
8.700E+03	4.638E+00	7.390E+02	1.102E+02	1.117E+01	6.224E+00	2.064E+02	1.446E+02	1.003E+00
8.800E+03	4.644E+00	7.690E+02	1.131E+02	1.135E+01	6.400E+00	2.146E+02	1.512E+02	9.79E-01
8.900E+03	4.652E+00	7.996E+02	1.160E+02	1.154E+01	6.580E+00	2.230E+02	1.580E+02	9.53E-01
9.000E+03	4.662E+00	8.308E+02	1.190E+02	1.174E+01	6.764E+00	2.316E+02	1.650E+02	9.26E-01
9.100E+03	4.674E+00	8.626E+02	1.220E+02	1.195E+01	6.952E+00	2.404E+02	1.722E+02	8.98E-01
9.200E+03	4.688E+00	8.950E+02	1.250E+02	1.217E+01	7.144E+00	2.494E+02	1.796E+02	8.70E-01
9.300E+03	4.704E+00	9.280E+02	1.280E+02	1.240E+01	7.340E+00	2.586E+02	1.870E+02	8.42E-01
9.400E+03	4.722E+00	9.616E+02	1.310E+02	1.264E+01	7.540E+00	2.680E+02	1.946E+02	8.14E-01
9.500E+03	4.742E+00	9.958E+02	1.340E+02	1.289E+01	7.744E+00	2.776E+02	2.024E+02	7.86E-01
9.600E+03	4.764E+00	1.030E+03	1.370E+02	1.315E+01	7.952E+00	2.874E+02	2.104E+02	7.58E-01
9.700E+03	4.788E+00	1.064E+03	1.400E+02	1.342E+01	8.164E+00	2.974E+02	2.186E+02	7.30E-01
9.800E+03	4.814E+00	1.100E+03	1.430E+02	1.370E+01	8.380E+00	3.076E+02	2.270E+02	7.02E-01
9.900E+03	4.842E+00	1.138E+03	1.460E+02	1.398E+01	8.600E+00	3.180E+02	2.356E+02	6.74E-01
1.000E+04	4.872E+00	1.178E+03	1.490E+02	1.427E+01	8.824E+00	3.286E+02	2.444E+02	6.46E-01
1.100E+04	4.904E+00	1.220E+03	1.520E+02	1.457E+01	9.052E+00	3.394E+02	2.534E+02	6.18E-01
1.200E+04	4.938E+00	1.264E+03	1.550E+02	1.488E+01	9.284E+00	3.504E+02	2.626E+02	5.90E-01
1.300E+04	4.974E+00	1.310E+03	1.580E+02	1.519E+01	9.520E+00	3.616E+02	2.720E+02	5.62E-01
1.400E+04	5.012E+00	1.358E+03	1.610E+02	1.551E+01	9.760E+00	3.730E+02	2.816E+02	5.34E-01
1.500E+04	5.052E+00	1.408E+03	1.640E+02	1.584E+01	1.000E+01	3.846E+02	2.914E+02	5.06E-01
1.600E+04	5.094E+00	1.460E+03	1.670E					

TABLE I. - Continued

T	R40/RHD-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
3.500E+04	3.500E-01	3.418E+03	1.272E+02	2.738E+01	7.284E+00	4.123E+01	2.759E+01	1.383E+00
3.600E+04	3.363E-01	3.519E+03	1.284E+02	2.791E+01	7.369E+00	4.114E+01	2.766E+01	1.381E+00
3.700E+04	3.237E-01	3.620E+03	1.295E+02	2.840E+01	7.450E+00	4.102E+01	2.817E+01	1.376E+00
3.800E+04	3.119E-01	3.724E+03	1.306E+02	2.884E+01	7.527E+00	4.257E+01	2.902E+01	1.369E+00
3.900E+04	3.009E-01	3.830E+03	1.318E+02	2.930E+01	7.604E+00	4.305E+01	3.010E+01	1.362E+00
4.000E+04	2.904E-01	3.939E+03	1.329E+02	2.975E+01	7.680E+00	4.531E+01	3.130E+01	1.355E+00
4.100E+04	2.806E-01	4.053E+03	1.340E+02	3.020E+01	7.758E+00	4.678E+01	3.246E+01	1.350E+00
4.200E+04	2.712E-01	4.169E+03	1.352E+02	3.068E+01	7.832E+00	4.810E+01	3.349E+01	1.346E+00
4.300E+04	2.623E-01	4.289E+03	1.363E+02	3.113E+01	7.909E+00	4.913E+01	3.426E+01	1.345E+00
4.400E+04	2.539E-01	4.411E+03	1.374E+02	3.169E+01	7.985E+00	4.978E+01	3.473E+01	1.345E+00
4.500E+04	2.460E-01	4.534E+03	1.386E+02	3.223E+01	8.060E+00	5.002E+01	3.487E+01	1.348E+00
4.600E+04	2.385E-01	4.657E+03	1.397E+02	3.279E+01	8.133E+00	4.984E+01	3.464E+01	1.352E+00
4.700E+04	2.314E-01	4.779E+03	1.407E+02	3.335E+01	8.204E+00	4.932E+01	3.425E+01	1.357E+00
4.800E+04	2.247E-01	4.900E+03	1.418E+02	3.392E+01	8.271E+00	4.831	3.361E+01	1.363E+00
4.900E+04	2.184E-01	5.018E+03	1.427E+02	3.448E+01	8.335E+00	4.757E+01	3.286E+01	1.370E+00
5.000E+04	2.125E-01	5.134E+03	1.437E+02	3.504E+01	8.396E+00	4.656E+01	3.208E+01	1.376E+00

P/PO = 2.40E+02

T	R40/RHD-0	H/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.00E+02	1.768E+02	-5.070E+00	2.121E+01	1.189E+00	1.101E+00	1.226E+01	9.708E+00	1.208E+00
6.00E+02	1.271E+02	-1.093E+00	2.413E+01	1.402E+00	1.276E+00	1.995E+01	1.501E+01	1.208E+00
7.00E+02	9.100E+01	4.394E+00	2.756E+01	1.672E+00	1.528E+00	2.313E+01	1.673E+01	1.229E+00
8.00E+02	6.962E+01	9.634E+00	3.040E+01	1.938E+00	1.748E+00	1.854E+01	1.341E+01	1.264E+00
9.00E+02	5.770E+01	1.350E+01	3.225E+01	2.161E+00	1.874E+00	1.312E+01	4.554E+00	1.302E+00
1.00E+03	5.030E+01	1.632E+01	3.346E+01	2.339E+00	1.935E+00	1.015E+01	7.408E+00	1.330E+00
1.10E+03	4.506E+01	1.864E+01	3.436E+01	2.485E+00	1.964E+00	8.845E+00	6.466E+00	1.344E+00
1.20E+03	4.100E+01	2.075E+01	3.511E+01	2.608E+00	1.978E+00	8.299E+00	6.091E+00	1.348E+00
1.30E+03	3.770E+01	2.277E+01	3.576E+01	2.718E+00	1.986E+00	8.085E+00	5.963E+00	1.346E+00
1.40E+03	3.491E+01	2.476E+01	3.636E+01	2.820E+00	1.990E+00	8.071E+00	5.945E+00	1.343E+00
1.50E+03	3.256E+01	2.674E+01	3.692E+01	2.916E+00	1.993E+00	8.026E+00	5.975E+00	1.338E+00
1.60E+03	3.050E+01	2.873E+01	3.744E+01	3.008E+00	1.995E+00	8.066E+00	6.029E+00	1.334E+00
1.70E+03	2.849E+01	3.073E+01	3.793E+01	3.097E+00	1.996E+00	8.118E+00	6.093E+00	1.330E+00
1.80E+03	2.708E+01	3.275E+01	3.840E+01	3.182E+00	1.997E+00	8.181E+00	6.163E+00	1.325E+00
1.90E+03	2.565E+01	3.479E+01	3.884E+01	3.265E+00	1.997E+00	8.250E+00	6.239E+00	1.321E+00
2.00E+03	2.436E+01	3.684E+01	3.927E+01	3.345E+00	1.998E+00	8.325E+00	6.312E+00	1.317E+00
2.10E+03	2.319E+01	3.891E+01	3.968E+01	3.423E+00	1.998E+00	8.407E+00	6.394E+00	1.313E+00
2.20E+03	2.214E+01	4.101E+01	4.008E+01	3.498E+00	1.999E+00	8.500E+00	6.485E+00	1.309E+00
2.30E+03	2.117E+01	4.313E+01	4.045E+01	3.572E+00	1.999E+00	8.607E+00	6.589E+00	1.305E+00
2.40E+03	2.028E+01	4.528E+01	4.083E+01	3.643E+00	2.000E+00	8.734E+00	6.709E+00	1.301E+00
2.50E+03	1.946E+01	4.747E+01	4.120E+01	3.711E+00	2.000E+00	8.887E+00	6.852E+00	1.296E+00
2.60E+03	1.871E+01	4.970E+01	4.155E+01	3.778E+00	2.001E+00	9.070E+00	7.027E+00	1.291E+00
2.70E+03	1.800E+01	5.198E+01	4.190E+01	3.843E+00	2.002E+00	9.290E+00	7.221E+00	1.285E+00
2.80E+03	1.735E+01	5.432E+01	4.225E+01	3.905E+00	2.003E+00	9.543E+00	7.458E+00	1.279E+00
2.90E+03	1.673E+01	5.673E+01	4.259E+01	3.964E+00	2.004E+00	9.865E+00	7.736E+00	1.273E+00
3.00E+03	1.616E+01	5.923E+01	4.294E+01	4.026E+00	2.005E+00	1.023E+01	8.060E+00	1.268E+00
3.10E+03	1.561E+01	6.182E+01	4.328E+01	4.084E+00	2.006E+00	1.065E+01	8.431E+00	1.260E+00
3.20E+03	1.510E+01	6.453E+01	4.363E+01	4.146E+00	2.006E+00	1.114E+01	8.854E+00	1.253E+00
3.30E+03	1.460E+01	6.737E+01	4.399E+01	4.203E+00	2.007E+00	1.170E+01	9.330E+00	1.247E+00
3.40E+03	1.413E+01	7.035E+01	4.435E+01	4.262E+00	2.007E+00	1.232E+01	9.860E+00	1.241E+00
3.50E+03	1.368E+01	7.350E+01	4.472E+01	4.322E+00	2.007E+00	1.301E+01	1.046E+01	1.235E+00
3.60E+03	1.325E+01	7.682E+01	4.510E+01	4.383E+00	2.008E+00	1.377E+01	1.108E+01	1.230E+00
3.70E+03	1.283E+01	8.035E+01	4.549E+01	4.446E+00	2.008E+00	1.461E+01	1.177E+01	1.226E+00
3.80E+03	1.243E+01	8.409E+01	4.590E+01	4.510E+00	2.008E+00	1.542E+01	1.251E+01	1.222E+00
3.90E+03	1.204E+01	8.806E+01	4.632E+01	4.577E+00	2.007E+00	1.649E+01	1.329E+01	1.219E+00
4.00E+03	1.168E+01	9.229E+01	4.675E+01	4.646E+00	2.008E+00	1.753E+01	1.411E+01	1.216E+00
4.10E+03	1.128E+01	9.677E+01	4.723E+01	4.716E+00	2.104E+00	1.862E+01	1.497E+01	1.214E+00
4.20E+03	1.092E+01	1.015E+02	4.767E+01	4.793E+00	2.122E+00	1.977E+01	1.589E+01	1.213E+00
4.30E+03	1.057E+01	1.064E+02	4.815E+01	4.871E+00	2.142E+00	2.097E+01	1.676E+01	1.212E+00
4.40E+03	1.022E+01	1.119E+02	4.865E+01	4.951E+00	2.164E+00	2.221E+01	1.767E+01	1.211E+00
4.50E+03	9.883E+00	1.176E+02	4.917E+01	5.036E+00	2.189E+00	2.347E+01	1.859E+01	1.211E+00
4.60E+03	9.553E+00	1.236E+02	4.970E+01	5.123E+00	2.215E+00	2.475E+01	1.950E+01	1.212E+00
4.70E+03	9.230E+00	1.298E+02	5.025E+01	5.213E+00	2.244E+00	2.603E+01	2.040E+01	1.212E+00
4.80E+03	8.915E+00	1.364E+02	5.082E+01	5.307E+00	2.274E+00	2.730E+01	2.127E+01	1.214E+00
4.90E+03	8.609E+00	1.434E+02	5.140E+01	5.406E+00	2.307E+00	2.855E+01	2.210E+01	1.215E+00
5.00E+03	8.311E+00	1.506E+02	5.199E+01	5.504E+00	2.342E+00	2.975E+01	2.288E+01	1.217E+00
5.20E+03	7.742E+00	1.658E+02	5.320E+01	5.713E+00	2.418E+00	3.194E+01	2.426E+01	1.221E+00
5.40E+03	7.211E+00	1.821E+02	5.445E+01	5.933E+00	2.500E+00	3.378E+01	2.532E+01	1.227E+00
5.60E+03	6.721E+00	1.991E+02	5.571E+01	6.160E+00	2.584E+00	3.512E+01	2.603E+01	1.233E+00
5.80E+03	6.272E+00	2.166E+02	5.695E+01	6.393E+00	2.675E+00	3.589E+01	2.634E+01	1.239E+00
6.00E+03	5.767E+00	2.343E+02	5.818E+01	6.628E+00	2.765E+00	3.607E+01	2.628E+01	1.246E+00
6.20E+03	5.502E+00	2.520E+02	5.935E+01	6.862E+00	2.853E+00	3.573E+01	2.590E+01	1.252E+00
6.40E+03	5.177E+00	2.694E+02	6.048E+01	7.092E+00	2.938E+00	3.447E+01	2.528E+01	1.259E+00
6.60E+03	4.888E+00	2.864E+02	6.153E+01	7.316E+00	3.017E+00	3.395E+01	2.453E+01	1.264E+00
6.80E+03	4.631E+00	3.028E+02	6.253E+01	7.530E+00	3.091E+00	3.283E+01	2.375E+01	1.269E+00
7.00E+03	4.401E+00	3.184E+02	6.346E+01	7.736E+00	3.159E+00	3.174E+01	2.302E+01	1.272E+00
7.20E+03	4.194E+00	3.340E+02	6.434E+01	7.927E+00	3.221E+00	3.080E+01	2.243E+01	1.275E+00
7.40E+03	4.012E+00	3.489E+02	6.517E+01	8.110E+00	3.278E+00	3.008E+01	2.201E+01	1.275E+00
7.60E+03	3.845E+00	3.635E+02	6.594E+01	8.283E+00	3.331E+00	2.959E+01	2.167E+01	1.275E+00
7.80E+03	3.692E+00	3.780E+02	6.673E+01	8.448E+00	3.380E+00	2.934E+01	2.169E+01	1.274E+00
8.00E+03	3.552E+00	3.924E+02	6.747E+01	8.608E+00	3.425E+00	2.928E+01	2.175E+01	1.272E+00
8.20E+03	3.422E+00	4.068E+02	6.819E+01	8.764E+00	3.469E+00	2.936E+01	2.191E+01	1.270E+00
8.40E+03	3.301E+00	4.213E+02	6.890E+01	8.918E+00	3.510E+00	2.951E+01	2.210E+01	1.269E+00
8.60E+03	3.188E+00	4.359E+02	6.959E+01	9.073E+00	3.550E+00	2.967E+01	2.227E+01	1.268E+00
8.80E+03	3.082E+00	4.505E+02	7.027E+01	9.228E+00	3.588E+00	2.977E+01	2.239E+01	1.269E+00

TABLE I. - Continued

T	MHO/KHJ-Q	M/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
9.000E+01	2.943E+00	4.651E+02	7.094E+01	9.386E+00	3.626E+00	2.974E+01	2.237E+01	1.270E+00
9.200E+03	2.889E+00	4.797E+02	7.159E+01	9.546E+00	3.661E+00	2.954E+01	2.221E+01	1.273E+00
9.400E+03	2.802E+00	4.941E+02	7.222E+01	9.709E+00	3.696E+00	2.933E+01	2.188E+01	1.276E+00
9.600E+03	2.719E+00	5.083E+02	7.283E+01	9.876E+00	3.732E+00	2.912E+01	2.137E+01	1.281E+00
9.800E+03	2.642E+00	5.222E+02	7.341E+01	1.004E+01	3.759E+00	2.892E+01	2.072E+01	1.287E+00
1.000E+04	2.567E+00	5.356E+02	7.396E+01	1.021E+01	3.788E+00	2.872E+01	1.993E+01	1.295E+00
1.100E+04	2.270E+00	5.949E+02	7.625E+01	1.105E+01	3.899E+00	2.677E+01	1.568E+01	1.339E+00
1.200E+04	2.045E+00	6.438E+02	7.798E+01	1.176E+01	3.966E+00	1.883E+01	1.354E+01	1.366E+00
1.300E+04	1.865E+00	6.901E+02	7.948E+01	1.227E+01	4.014E+00	1.917E+01	1.392E+01	1.356E+00
1.400E+04	1.711E+00	7.398E+02	8.098E+01	1.267E+01	4.044E+00	2.154E+01	1.597E+01	1.327E+00
1.500E+04	1.575E+00	7.972E+02	8.259E+01	1.305E+01	4.116E+00	2.334E+01	1.915E+01	1.296E+00
1.600E+04	1.450E+00	8.633E+02	8.436E+01	1.346E+01	4.194E+00	3.026E+01	2.317E+01	1.271E+00
1.700E+04	1.336E+00	9.466E+02	8.636E+01	1.392E+01	4.287E+00	3.607E+01	2.781E+01	1.251E+00
1.800E+04	1.228E+00	1.043E+03	8.860E+01	1.443E+01	4.402E+00	4.248E+01	3.279E+01	1.236E+00
1.900E+04	1.128E+00	1.156E+03	9.106E+01	1.500E+01	4.540E+00	4.912E+01	3.776E+01	1.227E+00
2.000E+04	1.035E+00	1.284E+03	9.374E+01	1.562E+01	4.701E+00	5.551E+01	4.235E+01	1.220E+00
2.100E+04	9.492E-01	1.427E+03	9.657E+01	1.629E+01	4.883E+00	6.114E+01	4.618E+01	1.218E+00
2.200E+04	8.705E-01	1.583E+03	9.951E+01	1.702E+01	5.082E+00	6.552E+01	4.892E+01	1.219E+00
2.300E+04	7.994E-01	1.748E+03	1.025E+02	1.779E+01	5.297E+00	6.831E+01	5.036E+01	1.222E+00
2.400E+04	7.358E-01	1.917E+03	1.054E+02	1.859E+01	5.511E+00	6.933E+01	5.048E+01	1.229E+00
2.500E+04	6.796E-01	2.086E+03	1.082E+02	1.943E+01	5.729E+00	6.867E+01	4.938E+01	1.239E+00
2.600E+04	6.301E-01	2.252E+03	1.108E+02	2.028E+01	5.941E+00	6.658E+01	4.730E+01	1.252E+00
2.700E+04	5.869E-01	2.412E+03	1.133E+02	2.114E+01	6.143E+00	6.347E+01	4.457E+01	1.268E+00
2.800E+04	5.491E-01	2.563E+03	1.159E+02	2.200E+01	6.330E+00	5.978E+01	4.151E+01	1.285E+00
2.900E+04	5.162E-01	2.704E+03	1.179E+02	2.288E+01	6.502E+00	5.590E+01	3.842E+01	1.303E+00
3.000E+04	4.873E-01	2.837E+03	1.193E+02	2.376E+01	6.658E+00	5.217E+01	3.551E+01	1.322E+00
3.100E+04	4.619E-01	2.960E+03	1.210E+02	2.457E+01	6.798E+00	4.882E+01	3.296E+01	1.340E+00
3.200E+04	4.393E-01	3.076E+03	1.225E+02	2.527E+01	6.924E+00	4.601E+01	3.086E+01	1.356E+00
3.300E+04	4.192E-01	3.186E+03	1.239E+02	2.594E+01	7.037E+00	4.382E+01	2.927E+01	1.369E+00
3.400E+04	4.010E-01	3.292E+03	1.251E+02	2.666E+01	7.139E+00	4.229E+01	2.820E+01	1.377E+00
3.500E+04	3.845E-01	3.394E+03	1.261E+02	2.726E+01	7.232E+00	4.141E+01	2.766E+01	1.381E+00
3.600E+04	3.694E-01	3.495E+03	1.275E+02	2.781E+01	7.319E+00	4.116E+01	2.740E+01	1.381E+00
3.700E+04	3.554E-01	3.597E+03	1.286E+02	2.831E+01	7.401E+00	4.148E+01	2.798E+01	1.377E+00
3.800E+04	3.424E-01	3.700E+03	1.297E+02	2.875E+01	7.480E+00	4.228E+01	2.871E+01	1.371E+00
3.900E+04	3.302E-01	3.805E+03	1.308E+02	2.923E+01	7.557E+00	4.343E+01	2.949E+01	1.364E+00
4.000E+04	3.191E-01	3.911E+03	1.320E+02	2.968E+01	7.633E+00	4.479E+01	3.082E+01	1.357E+00
4.100E+04	3.079E-01	4.025E+03	1.331E+02	3.014E+01	7.710E+00	4.621E+01	3.196E+01	1.352E+00
4.200E+04	2.976E-01	4.141E+03	1.342E+02	3.061E+01	7.786E+00	4.753E+01	3.299E+01	1.348E+00
4.300E+04	2.879E-01	4.259E+03	1.353E+02	3.111E+01	7.863E+00	4.862E+01	3.382E+01	1.346E+00
4.400E+04	2.786E-01	4.380E+03	1.365E+02	3.161E+01	7.939E+00	4.938E+01	3.437E+01	1.346E+00
4.500E+04	2.699E-01	4.502E+03	1.376E+02	3.214E+01	8.014E+00	4.975E+01	3.461E+01	1.347E+00
4.600E+04	2.616E-01	4.624E+03	1.387E+02	3.269E+01	8.088E+00	4.972E+01	3.455E+01	1.351E+00
4.700E+04	2.538E-01	4.746E+03	1.397E+02	3.324E+01	8.159E+00	4.933E+01	3.421E+01	1.356E+00
4.800E+04	2.464E-01	4.867E+03	1.408E+02	3.381E+01	8.228E+00	4.866E+01	3.366E+01	1.362E+00
4.900E+04	2.395E-01	4.986E+03	1.418E+02	3.437E+01	8.293E+00	4.780E+01	3.298E+01	1.368E+00
5.000E+04	2.330E-01	5.102E+03	1.427E+02	3.493E+01	8.355E+00	4.685E+01	3.225E+01	1.374E+00

P/PN = 2.60E+02

T	MHO/KHJ-Q	M/RTO	S/R	A/AO	Z	CP/R	CV/R	GAMMA
5.000E+02	1.922E+02	-5.129E+00	2.108E+01	1.187E+00	1.097E+00	1.196E+01	9.479E+00	1.209E+00
5.200E+02	1.388E+02	-1.251E+00	2.392E+01	1.397E+00	1.266E+00	1.949E+01	1.469E+01	1.208E+00
5.400E+02	9.958E+01	4.148E+00	2.729E+01	1.663E+00	1.513E+00	2.298E+01	1.663E+01	1.228E+00
5.600E+02	7.600E+01	9.413E+00	3.015E+01	1.929E+00	1.734E+00	1.883E+01	1.360E+01	1.262E+00
5.800E+02	6.279E+01	1.335E+01	3.204E+01	2.154E+00	1.866E+00	1.342E+01	9.766E+00	1.299E+00
1.000E+03	5.663E+01	1.624E+01	3.327E+01	2.335E+00	1.930E+00	1.036E+01	7.538E+00	1.328E+00
1.100E+03	4.888E+01	1.860E+01	3.419E+01	2.482E+00	1.961E+00	8.944E+00	6.537E+00	1.343E+00
1.200E+03	4.446E+01	2.072E+01	3.494E+01	2.606E+00	1.976E+00	8.356E+00	6.130E+00	1.347E+00
1.300E+03	4.087E+01	2.275E+01	3.560E+01	2.717E+00	1.985E+00	8.117E+00	5.985E+00	1.346E+00
1.400E+03	3.784E+01	2.475E+01	3.620E+01	2.819E+00	1.989E+00	8.040E+00	5.957E+00	1.343E+00
1.500E+03	3.528E+01	2.675E+01	3.675E+01	2.916E+00	1.992E+00	8.038E+00	5.983E+00	1.338E+00
1.600E+03	3.305E+01	2.872E+01	3.728E+01	3.008E+00	1.994E+00	8.072E+00	6.034E+00	1.334E+00
1.700E+03	3.108E+01	3.073E+01	3.777E+01	3.096E+00	1.996E+00	8.123E+00	6.097E+00	1.330E+00
1.800E+03	2.934E+01	3.275E+01	3.824E+01	3.182E+00	1.996E+00	8.185E+00	6.165E+00	1.325E+00
1.900E+03	2.779E+01	3.478E+01	3.868E+01	3.265E+00	1.997E+00	8.252E+00	6.236E+00	1.321E+00
2.000E+03	2.639E+01	3.684E+01	3.911E+01	3.345E+00	1.998E+00	8.326E+00	6.312E+00	1.317E+00
2.100E+03	2.513E+01	3.891E+01	3.952E+01	3.423E+00	1.998E+00	8.406E+00	6.393E+00	1.313E+00
2.200E+03	2.398E+01	4.100E+01	3.992E+01	3.498E+00	1.998E+00	8.497E+00	6.483E+00	1.310E+00
2.300E+03	2.293E+01	4.312E+01	4.030E+01	3.572E+00	1.999E+00	8.602E+00	6.564E+00	1.305E+00
2.400E+03	2.197E+01	4.527E+01	4.067E+01	3.643E+00	1.999E+00	8.726E+00	6.702E+00	1.301E+00
2.500E+03	2.109E+01	4.746E+01	4.103E+01	3.712E+00	2.000E+00	8.874E+00	6.840E+00	1.296E+00
2.600E+03	2.027E+01	4.968E+01	4.139E+01	3.778E+00	2.001E+00	9.052E+00	7.004E+00	1.291E+00
2.700E+03	1.951E+01	5.196E+01	4.176E+01	3.843E+00	2.002E+00	9.265E+00	7.198E+00	1.285E+00
2.800E+03	1.880E+01	5.429E+01	4.209E+01	3.906E+00	2.003E+00	9.519E+00	7.427E+00	1.280E+00
2.900E+03	1.813E+01	5.669E+01	4.243E+01	3.967E+00	2.005E+00	9.820E+00	7.696E+00	1.273E+00
3.000E+03	1.751E+01	5.918E+01	4.277E+01	4.028E+00	2.008E+00	1.017E+01	8.009E+00	1.267E+00
3.100E+03	1.692E+01	6.174E+01	4.311E+01	4.087E+00	2.011E+00	1.058E+01	8.366E+00	1.261E+00
3.200E+03	1.636E+01	6.444E+01	4.346E+01	4.145E+00	2.014E+00	1.105E+01	8.774E+00	1.254E+00
3.300E+03	1.583E+01	6.726E+01	4.381E+01	4.204E+00	2.019E+00	1.158E+01	9.232E+00	1.248E+00

TABLE I. - Continued

T	HQ/K10-0	H/RTO	S/R	A/AD	Z	CP/R	CV/R	GAMMA
3.400E+03	1.532E+01	7.021E+01	4.417E+01	4.263E+00	2.024E+00	1.218E+01	9.743E+00	1.242E+00
3.500E+03	1.483E+01	7.332E+01	4.454E+01	4.323E+00	2.031E+00	1.289E+01	1.031E+01	1.237E+00
3.600E+03	1.437E+01	7.661E+01	4.491E+01	4.384E+00	2.039E+00	1.358E+01	1.092E+01	1.232E+00
3.700E+03	1.392E+01	8.008E+01	4.530E+01	4.446E+00	2.048E+00	1.439E+01	1.158E+01	1.227E+00
3.800E+03	1.348E+01	8.376E+01	4.570E+01	4.510E+00	2.058E+00	1.526E+01	1.229E+01	1.223E+00
3.900E+03	1.306E+01	8.767E+01	4.611E+01	4.576E+00	2.070E+00	1.620E+01	1.305E+01	1.220E+00
4.000E+03	1.265E+01	9.181E+01	4.654E+01	4.645E+00	2.084E+00	1.720E+01	1.384E+01	1.217E+00
4.100E+03	1.225E+01	9.621E+01	4.698E+01	4.716E+00	2.100E+00	1.825E+01	1.47E+01	1.215E+00
4.200E+03	1.186E+01	1.009E+02	4.744E+01	4.790E+00	2.117E+00	1.936E+01	1.552E+01	1.214E+00
4.300E+03	1.148E+01	1.058E+02	4.791E+01	4.867E+00	2.136E+00	2.052E+01	1.640E+01	1.213E+00
4.400E+03	1.111E+01	1.111E+02	4.840E+01	4.946E+00	2.158E+00	2.172E+01	1.729E+01	1.212E+00
4.500E+03	1.074E+01	1.166E+02	4.890E+01	5.029E+00	2.181E+00	2.294E+01	1.818E+01	1.212E+00
4.600E+03	1.039E+01	1.224E+02	4.943E+01	5.115E+00	2.207E+00	2.418E+01	1.907E+01	1.212E+00
4.700E+03	1.004E+01	1.284E+02	4.996E+01	5.204E+00	2.234E+00	2.543E+01	1.995E+01	1.213E+00
4.800E+03	9.702E+00	1.350E+02	5.051E+01	5.296E+00	2.264E+00	2.667E+01	2.080E+01	1.214E+00
4.900E+03	9.375E+00	1.418E+02	5.108E+01	5.392E+00	2.296E+00	2.792E+01	2.162E+01	1.216E+00
5.000E+03	9.052E+00	1.488E+02	5.166E+01	5.490E+00	2.330E+00	2.906E+01	2.239E+01	1.217E+00
5.200E+03	8.439E+00	1.637E+02	5.285E+01	5.646E+00	2.403E+00	3.127E+01	2.377E+01	1.222E+00
5.400E+03	7.866E+00	1.796E+02	5.407E+01	5.817E+00	2.482E+00	3.313E+01	2.487E+01	1.227E+00
5.600E+03	7.336E+00	1.964E+02	5.530E+01	6.013E+00	2.567E+00	3.453E+01	2.563E+01	1.233E+00
5.800E+03	6.849E+00	2.136E+02	5.653E+01	6.367E+00	2.664E+00	3.541E+01	2.602E+01	1.237E+00
6.000E+03	6.407E+00	2.312E+02	5.774E+01	6.800E+00	2.743E+00	3.576E+01	2.605E+01	1.245E+00
6.200E+03	6.010E+00	2.487E+02	5.891E+01	7.283E+00	2.833E+00	3.556E+01	2.577E+01	1.252E+00
6.400E+03	5.653E+00	2.661E+02	6.003E+01	7.862E+00	2.914E+00	3.493E+01	2.524E+01	1.258E+00
6.600E+03	5.336E+00	2.830E+02	6.109E+01	8.490E+00	2.994E+00	3.402E+01	2.456E+01	1.264E+00
6.800E+03	5.053E+00	2.995E+02	6.209E+01	9.201E+00	3.069E+00	3.298E+01	2.382E+01	1.268E+00
7.000E+03	4.801E+00	3.154E+02	6.302E+01	9.996E+00	3.138E+00	3.193E+01	2.312E+01	1.274E+00
7.200E+03	4.575E+00	3.309E+02	6.391E+01	1.088E+00	3.201E+00	3.100E+01	2.253E+01	1.274E+00
7.400E+03	4.372E+00	3.459E+02	6.474E+01	1.186E+00	3.259E+00	3.025E+01	2.208E+01	1.275E+00
7.600E+03	4.188E+00	3.606E+02	6.554E+01	1.291E+00	3.313E+00	2.973E+01	2.181E+01	1.275E+00
7.800E+03	4.020E+00	3.751E+02	6.631E+01	1.402E+00	3.363E+00	2.942E+01	2.170E+01	1.274E+00
8.000E+03	3.866E+00	3.894E+02	6.705E+01	1.519E+00	3.409E+00	2.931E+01	2.172E+01	1.273E+00
8.200E+03	3.724E+00	4.040E+02	6.777E+01	1.642E+00	3.453E+00	2.935E+01	2.184E+01	1.271E+00
8.400E+03	3.592E+00	4.186E+02	6.848E+01	1.771E+00	3.495E+00	2.947E+01	2.201E+01	1.270E+00
8.600E+03	3.468E+00	4.329E+02	6.917E+01	1.905E+00	3.535E+00	2.961E+01	2.218E+01	1.269E+00
8.800E+03	3.352E+00	4.475E+02	6.985E+01	2.043E+00	3.574E+00	2.971E+01	2.229E+01	1.269E+00
9.000E+03	3.244E+00	4.621E+02	7.052E+01	2.186E+00	3.612E+00	2.970E+01	2.230E+01	1.271E+00
9.200E+03	3.142E+00	4.767E+02	7.117E+01	2.334E+00	3.648E+00	2.953E+01	2.217E+01	1.273E+00
9.400E+03	3.046E+00	4.912E+02	7.180E+01	2.486E+00	3.683E+00	2.918E+01	2.199E+01	1.274E+00
9.600E+03	2.956E+00	5.054E+02	7.241E+01	2.642E+00	3.716E+00	2.863E+01	2.193E+01	1.281E+00
9.800E+03	2.871E+00	5.193E+02	7.299E+01	2.801E+00	3.747E+00	2.798E+01	2.083E+01	1.287E+00
1.000E+04	2.792E+00	5.328E+02	7.354E+01	2.964E+00	3.777E+00	2.679E+01	2.009E+01	1.293E+00
1.100E+04	2.464E+00	5.428E+02	7.586E+01	3.132E+00	3.891E+00	2.184E+01	1.590E+01	1.337E+00
1.200E+04	2.199E+00	5.423E+02	7.781E+01	3.307E+00	3.980E+00	1.894E+01	1.362E+01	1.366E+00
1.300E+04	2.023E+00	5.489E+02	7.911E+01	3.491E+00	4.009E+00	1.908E+01	1.383E+01	1.358E+00
1.400E+04	1.856E+00	5.528E+02	8.060E+01	3.685E+00	4.057E+00	2.128E+01	1.576E+01	1.330E+00
1.500E+04	1.709E+00	5.575E+02	8.218E+01	3.895E+00	4.114E+00	2.491E+01	1.879E+01	1.299E+00
1.600E+04	1.575E+00	5.612E+02	8.392E+01	4.120E+00	4.185E+00	2.966E+01	2.269E+01	1.273E+00
1.700E+04	1.451E+00	5.640E+02	8.586E+01	4.361E+00	4.275E+00	3.529E+01	2.721E+01	1.252E+00
1.800E+04	1.336E+00	5.655E+02	8.807E+01	4.614E+00	4.389E+00	4.154E+01	3.208E+01	1.237E+00
1.900E+04	1.228E+00	5.658E+02	9.048E+01	4.886E+00	4.519E+00	4.803E+01	3.688E+01	1.225E+00
2.000E+04	1.128E+00	5.641E+02	9.309E+01	5.177E+00	4.674E+00	5.431E+01	4.153E+01	1.220E+00
2.100E+04	1.035E+00	5.611E+02	9.587E+01	5.482E+00	4.852E+00	5.991E+01	4.537E+01	1.217E+00
2.200E+04	9.505E-01	5.564E+02	9.875E+01	5.804E+00	5.042E+00	6.436E+01	4.818E+01	1.217E+00
2.300E+04	8.736E-01	5.492E+02	1.021E+02	6.144E+00	5.248E+00	6.776E+01	4.975E+01	1.221E+00
2.400E+04	8.046E-01	5.392E+02	1.058E+02	6.500E+00	5.460E+00	6.851E+01	4.904E+01	1.227E+00
2.500E+04	7.434E-01	5.260E+02	1.097E+02	6.874E+00	5.683E+00	6.811E+01	4.913E+01	1.237E+00
2.600E+04	6.894E-01	5.109E+02	1.138E+02	7.264E+00	5.923E+00	6.630E+01	4.724E+01	1.249E+00
2.700E+04	6.421E-01	4.936E+02	1.181E+02	7.668E+00	6.182E+00	6.365E+01	4.468E+01	1.264E+00
2.800E+04	6.007E-01	4.742E+02	1.226E+02	8.086E+00	6.459E+00	5.997E+01	4.175E+01	1.280E+00
2.900E+04	5.645E-01	4.527E+02	1.272E+02	8.528E+00	6.744E+00	5.625E+01	3.874E+01	1.299E+00
3.000E+04	5.327E-01	4.281E+02	1.319E+02	8.992E+00	7.035E+00	5.261E+01	3.587E+01	1.317E+00
3.100E+04	5.046E-01	4.015E+02	1.367E+02	9.484E+00	7.332E+00	4.930E+01	3.332E+01	1.335E+00
3.200E+04	4.798E-01	3.732E+02	1.416E+02	1.000E+00	7.635E+00	4.647E+01	3.119E+01	1.352E+00
3.300E+04	4.576E-01	3.433E+02	1.466E+02	1.054E+00	7.943E+00	4.422E+01	2.956E+01	1.365E+00
3.400E+04	4.376E-01	3.269E+02	1.516E+02	1.114E+00	8.257E+00	4.259E+01	2.839E+01	1.375E+00
3.500E+04	4.194E-01	3.172E+02	1.565E+02	1.179E+00	8.577E+00	4.160E+01	2.774E+01	1.380E+00
3.600E+04	4.028E-01	3.147E+02	1.627E+02	1.247E+00	8.902E+00	4.122E+01	2.757E+01	1.381E+00
3.700E+04	3.875E-01	3.157E+02	1.691E+02	1.318E+00	9.232E+00	4.139E+01	2.783E+01	1.378E+00
3.800E+04	3.732E-01	3.177E+02	1.764E+02	1.392E+00	9.567E+00	4.204E+01	2.845E+01	1.372E+00
3.900E+04	3.599E-01	3.202E+02	1.840E+02	1.469E+00	9.907E+00	4.237E+01	2.935E+01	1.366E+00
4.000E+04	3.473E-01	3.232E+02	1.919E+02	1.550E+00	1.025E+00	4.236E+01	3.048E+01	1.358E+00
4.100E+04	3.355E-01	3.267E+02	1.999E+02	1.634E+00	1.054E+00	4.251E+01	3.180E+01	1.353E+00
4.200E+04	3.243E-01	3.313E+02	2.080E+02	1.721E+00	1.084E+00	4.270E+01	3.254E+01	1.349E+00
4.300E+04	3.136E-01	3.360E+02	2.162E+02	1.811E+00	1.114E+00	4.281E+01	3.360E+01	1.347E+00
4.400E+04	3.035E-01	3.407E+02	2.246E+02	1.904E+00	1.145E+00	4.288E+01	3.402E+01	1.346E+00
4.500E+04	2.940E-01	3.454E+02	2.331E+02	2.000E+00	1.176E+00	4.294E+01	3.435E+01	1.348E+00
4.600E+04	2.849E-01	3.499E+02	2.418E+02	2.100E+00	1.207E+00	4.296E+01	3.457E+01	1.351E+00
4.700E+04	2.764E-01	3.542E+02	2.507E+02	2.204E+00	1.238E+00	4.295E+01	3.464E+01	1.355E+00
4.800E+04	2.683E-01	3.583E+02	2.598E+02	2.311E+00	1.269E+00	4.294E+01	3.467E+01	1.360E+00
4.900E+04	2.607E-01	3.622E+02	2.690E+02	2.421E+00	1.300E+00	4.292E+01	3.467E+01	1.364E+00
5.000E+04	2.536E-01	3.659E+02	2.783E+02	2.533E+00	1.331E+00	4.290E+01	3.467E+01	1.373E+00

TABLE I. - Continued

P/P0 = 2.00E+02

T	BNC/R47-0	M/R70	S/R	A7AO	Z	CP/P	CV/R	GAMMA
5.000E+02	2.077E+02	-5.182E+00	2.795E+01	1.186E+00	1.093E+00	1.170E+01	9.276E+00	1.210E+00
6.000E+02	1.505E+02	-1.393E+00	2.273E+01	1.392E+00	1.257E+00	1.906E+01	1.440E+01	1.208E+00
7.000E+02	1.082E+02	3.922E+00	2.705E+01	1.655E+00	1.499E+00	2.281E+01	1.652E+01	1.228E+00
8.000E+02	8.245E+01	9.202E+00	2.991E+01	1.921E+00	1.721E+00	1.908E+01	1.376E+01	1.240E+00
9.000E+02	6.792E+01	1.322E+01	3.184E+01	2.147E+00	1.858E+00	1.371E+01	9.958E+00	1.297E+00
1.000E+03	5.897E+01	1.616E+01	3.310E+01	2.330E+00	1.925E+00	1.052E+01	7.663E+00	1.326E+00
1.100E+03	5.272E+01	1.855E+01	3.402E+01	2.479E+00	1.958E+00	9.043E+00	6.607E+00	1.342E+00
1.200E+03	4.792E+01	2.069E+01	3.478E+01	2.604E+00	1.975E+00	8.408E+00	6.168E+00	1.347E+00
1.300E+03	4.404E+01	2.273E+01	3.544E+01	2.716E+00	1.984E+00	8.148E+00	6.007E+00	1.346E+00
1.400E+03	4.074E+01	2.473E+01	3.605E+01	2.819E+00	1.989E+00	8.059E+00	5.970E+00	1.342E+00
1.500E+03	3.801E+01	2.672E+01	3.660E+01	2.915E+00	1.992E+00	8.050E+00	5.991E+00	1.338E+00
1.600E+03	3.559E+01	2.872E+01	3.713E+01	3.007E+00	1.994E+00	8.080E+00	6.039E+00	1.334E+00
1.700E+03	3.348E+01	3.072E+01	3.762E+01	3.096E+00	1.995E+00	8.129E+00	6.100E+00	1.329E+00
1.800E+03	3.160E+01	3.274E+01	3.809E+01	3.182E+00	1.996E+00	8.188E+00	6.177E+00	1.325E+00
1.900E+03	2.993E+01	3.478E+01	3.851E+01	3.264E+00	1.997E+00	8.244E+00	6.238E+00	1.321E+00
2.000E+03	2.842E+01	3.683E+01	3.896E+01	3.345E+00	1.997E+00	8.327E+00	6.312E+00	1.317E+00
2.100E+03	2.707E+01	3.891E+01	3.937E+01	3.423E+00	1.998E+00	8.406E+00	6.392E+00	1.314E+00
2.200E+03	2.583E+01	4.100E+01	3.977E+01	3.498E+00	1.998E+00	8.495E+00	6.480E+00	1.310E+00
2.300E+03	2.470E+01	4.312E+01	4.015E+01	3.572E+00	1.999E+00	8.598E+00	6.580E+00	1.305E+00
2.400E+03	2.367E+01	4.527E+01	4.052E+01	3.643E+00	1.999E+00	8.719E+00	6.695E+00	1.301E+00
2.500E+03	2.271E+01	4.745E+01	4.089E+01	3.712E+00	2.000E+00	8.863E+00	6.830E+00	1.296E+00
2.600E+03	2.183E+01	4.967E+01	4.124E+01	3.779E+00	2.001E+00	9.036E+00	6.989E+00	1.291E+00
2.700E+03	2.101E+01	5.194E+01	4.159E+01	3.844E+00	2.002E+00	9.242E+00	7.178E+00	1.286E+00
2.800E+03	2.025E+01	5.427E+01	4.193E+01	3.907E+00	2.003E+00	9.488E+00	7.400E+00	1.280E+00
2.900E+03	1.953E+01	5.666E+01	4.227E+01	3.968E+00	2.005E+00	9.779E+00	7.660E+00	1.274E+00
3.000E+03	1.886E+01	5.913E+01	4.261E+01	4.029E+00	2.007E+00	1.012E+01	7.962E+00	1.268E+00
3.100E+03	1.822E+01	6.170E+01	4.294E+01	4.088E+00	2.010E+00	1.051E+01	8.308E+00	1.262E+00
3.200E+03	1.762E+01	6.437E+01	4.330E+01	4.147E+00	2.014E+00	1.097E+01	8.702E+00	1.255E+00
3.300E+03	1.705E+01	6.716E+01	4.365E+01	4.205E+00	2.018E+00	1.148E+01	9.145E+00	1.249E+00
3.400E+03	1.651E+01	7.009E+01	4.400E+01	4.264E+00	2.023E+00	1.206E+01	9.638E+00	1.243E+00
3.500E+03	1.598E+01	7.316E+01	4.437E+01	4.324E+00	2.030E+00	1.270E+01	1.018E+01	1.238E+00
3.600E+03	1.548E+01	7.641E+01	4.474E+01	4.384E+00	2.037E+00	1.341E+01	1.078E+01	1.233E+00
3.700E+03	1.500E+01	7.984E+01	4.512E+01	4.440E+00	2.046E+00	1.419E+01	1.142E+01	1.229E+00
3.800E+03	1.453E+01	8.347E+01	4.551E+01	4.510E+00	2.056E+00	1.503E+01	1.210E+01	1.225E+00
3.900E+03	1.408E+01	8.731E+01	4.592E+01	4.576E+00	2.068E+00	1.594E+01	1.283E+01	1.221E+00
4.000E+03	1.364E+01	9.139E+01	4.634E+01	4.644E+00	2.081E+00	1.690E+01	1.360E+01	1.219E+00
4.100E+03	1.321E+01	9.571E+01	4.677E+01	4.714E+00	2.096E+00	1.793E+01	1.449E+01	1.217E+00
4.200E+03	1.280E+01	1.003E+02	4.722E+01	4.787E+00	2.113E+00	1.900E+01	1.552E+01	1.215E+00
4.300E+03	1.239E+01	1.051E+02	4.769E+01	4.863E+00	2.132E+00	2.012E+01	1.680E+01	1.214E+00
4.400E+03	1.199E+01	1.103E+02	4.817E+01	4.942E+00	2.152E+00	2.128E+01	1.849E+01	1.213E+00
4.500E+03	1.160E+01	1.157E+02	4.866E+01	5.023E+00	2.175E+00	2.246E+01	1.781E+01	1.213E+00
4.600E+03	1.121E+01	1.214E+02	4.917E+01	5.108E+00	2.199E+00	2.367E+01	1.868E+01	1.213E+00
4.700E+03	1.085E+01	1.274E+02	4.970E+01	5.196E+00	2.226E+00	2.490E+01	1.954E+01	1.214E+00
4.800E+03	1.049E+01	1.337E+02	5.024E+01	5.287E+00	2.255E+00	2.610E+01	2.038E+01	1.215E+00
4.900E+03	1.014E+01	1.403E+02	5.079E+01	5.381E+00	2.286E+00	2.730E+01	2.118E+01	1.216E+00
5.000E+03	9.796E+00	1.472E+02	5.136E+01	5.478E+00	2.318E+00	2.846E+01	2.195E+01	1.218E+00
5.100E+03	9.439E+00	1.544E+02	5.194E+01	5.581E+00	2.359E+00	3.044E+01	2.333E+01	1.222E+00
5.200E+03	9.075E+00	1.619E+02	5.252E+01	5.694E+00	2.407E+00	3.252E+01	2.445E+01	1.227E+00
5.300E+03	8.704E+00	1.699E+02	5.312E+01	5.818E+00	2.462E+00	3.499E+01	2.525E+01	1.232E+00
5.400E+03	8.326E+00	1.784E+02	5.374E+01	5.954E+00	2.524E+00	3.795E+01	2.571E+01	1.239E+00
5.500E+03	7.941E+00	1.874E+02	5.439E+01	6.103E+00	2.594E+00	4.149E+01	2.582E+01	1.245E+00
5.600E+03	7.549E+00	1.969E+02	5.507E+01	6.264E+00	2.672E+00	4.574E+01	2.562E+01	1.251E+00
5.700E+03	7.151E+00	2.069E+02	5.578E+01	6.438E+00	2.759E+00	5.084E+01	2.517E+01	1.257E+00
5.800E+03	6.748E+00	2.174E+02	5.652E+01	6.626E+00	2.854E+00	5.684E+01	2.456E+01	1.263E+00
5.900E+03	6.341E+00	2.284E+02	5.729E+01	6.828E+00	2.957E+00	6.380E+01	2.387E+01	1.268E+00
6.000E+03	5.930E+00	2.398E+02	5.810E+01	7.044E+00	3.068E+00	7.170E+01	2.320E+01	1.272E+00
6.100E+03	5.515E+00	2.516E+02	5.894E+01	7.274E+00	3.187E+00	8.060E+01	2.261E+01	1.276E+00
6.200E+03	5.097E+00	2.638E+02	5.981E+01	7.518E+00	3.314E+00	9.050E+01	2.214E+01	1.279E+00
6.300E+03	4.677E+00	2.764E+02	6.071E+01	7.776E+00	3.449E+00	1.015E+02	2.180E+01	1.279E+00
6.400E+03	4.254E+00	2.894E+02	6.164E+01	8.048E+00	3.592E+00	1.138E+02	2.161E+01	1.279E+00
6.500E+03	3.828E+00	3.028E+02	6.260E+01	8.336E+00	3.744E+00	1.274E+02	2.157E+01	1.279E+00
6.600E+03	3.400E+00	3.166E+02	6.359E+01	8.634E+00	3.904E+00	1.424E+02	2.168E+01	1.279E+00
6.700E+03	2.970E+00	3.308E+02	6.460E+01	8.942E+00	4.074E+00	1.588E+02	2.191E+01	1.279E+00
6.800E+03	2.540E+00	3.454E+02	6.563E+01	9.260E+00	4.254E+00	1.766E+02	2.224E+01	1.279E+00
6.900E+03	2.110E+00	3.604E+02	6.668E+01	9.588E+00	4.444E+00	1.958E+02	2.267E+01	1.279E+00
7.000E+03	1.680E+00	3.758E+02	6.774E+01	9.926E+00	4.644E+00	2.174E+02	2.319E+01	1.279E+00
7.100E+03	1.250E+00	3.916E+02	6.881E+01	1.027E+01	4.854E+00	2.416E+02	2.380E+01	1.279E+00
7.200E+03	8.200E+00	4.078E+02	6.989E+01	1.063E+01	5.074E+00	2.684E+02	2.450E+01	1.279E+00
7.300E+03	3.740E+00	4.244E+02	7.098E+01	1.101E+01	5.304E+00	2.988E+02	2.528E+01	1.279E+00
7.400E+03	1.280E+00	4.414E+02	7.208E+01	1.141E+01	5.544E+00	3.328E+02	2.624E+01	1.279E+00
7.500E+03	1.100E+00	4.588E+02	7.318E+01	1.182E+01	5.794E+00	3.704E+02	2.738E+01	1.279E+00
7.600E+03	9.600E+00	4.766E+02	7.428E+01	1.224E+01	6.054E+00	4.116E+02	2.868E+01	1.279E+00
7.700E+03	8.200E+00	4.948E+02	7.538E+01	1.267E+01	6.324E+00	4.564E+02	3.012E+01	1.279E+00
7.800E+03	6.800E+00	5.134E+02	7.648E+01	1.312E+01	6.604E+00	5.044E+02	3.166E+01	1.279E+00
7.900E+03	5.400E+00	5.324E+02	7.758E+01	1.358E+01	6.894E+00	5.554E+02	3.330E+01	1.279E+00
8.000E+03	4.000E+00	5.518E+02	7.868E+01	1.406E+01	7.194E+00	6.094E+02	3.504E+01	1.279E+00
8.100E+03	2.600E+00	5.716E+02	7.978E+01	1.456E+01	7.504E+00	6.664E+02	3.688E+01	1.279E+00
8.200E+03	1.200E+00	5.918E+02	8.088E+01	1.508E+01	7.824E+00	7.264E+02	3.882E+01	1.279E+00
8.300E+03	1.000E+00	6.124E+02	8.198E+01	1.562E+01	8.154E+00	7.894E+02	4.086E+01	1.279E+00
8.400E+03	8.000E+00	6.334E+02	8.308E+01	1.618E+01	8.494E+00	8.504E+02	4.300E+01	1.279E+00
8.500E+03	6.000E+00	6.548E+02	8.418E+01	1.676E+01	8.844E+00	9.094E+02	4.524E+01	1.279E+00
8.600E+03	4.000E+00	6.766E+02	8.528E+01	1.736E+01	9.204E+00	9.664E+02	4.758E+01	1.279E+00
8.700E+03	2.000E+00	6.988E+02	8.638E+01	1.798E+01	9.574E+00	1.021E+03	4.992E+01	1.279E+00
8.800E+03	1.000E+00	7.214E+02	8.748E+01	1.862E+01	9.954E+00	1.078E+03	5.236E+01	1.279E+00
8.900E+03	8.000E+00	7.444E+02	8.858E+01	1.928E+01	1.034E+01	1.136E+03	5.490E+01	1.279E+00
9.000E+03	6.000E+00	7.678E+02	8.968E+01	1.996E+01	1.094E+01	1.194E+03	5.754E+01	1.279E+00
9.100E+03	4.000E+00	7.916E+02	9.078E+01	2.066E+01	1.156E+01	1.254E+03	6.028E+01	1.279E+00
9.200E+03	2.000E+00	8.158E+02	9.188E+01	2.138E+01	1.220E+01	1.316E+03	6.312E+01	1.279E+00
9.300E+03	1.000E+00	8.404E+02	9.298E+01	2.212E+01	1.286E+01	1.380E+03	6.606E+01	1.279E+00
9.400E+03	8.000E+00	8.654E+02	9.408E+01	2.288E+01	1.354E+01	1.446E+03	6.910E+01	1.279E+00
9.500E+03	6.000E+00	8.908E+02	9.518E+01	2.366E+01	1.424E+01	1.514E+03	7.224E+01	1.279E+00
9.600E+03	4.000E+00	9.166E+02	9.628E+01	2.446E+01	1.496E+01	1.584E+03	7.548E+01	1.279E+00
9.700E+03	2.000E+00	9.428E+02	9.738E+01	2.528E+01	1.570E+01	1.656E+03	7.882E+01	

TABLE I. - Continued

T	RND/RND-0	N/RND	S/R	A/A0	Z	CP/R	CV/R	CSMA
2.100E+04	1.122E+00	1.398E+03	9.522E+01	1.610E+01	4.820E+00	9.879E+01	4.463E+01	1.216E+00
2.200E+04	1.031E+00	1.546E+03	9.125E+01	1.687E+01	5.007E+00	8.326E+01	4.750E+01	1.218E+00
2.300E+04	9.482E-01	1.705E+03	1.009E+02	1.722E+01	5.202E+00	6.530E+01	4.910E+01	1.219E+00
2.400E+04	8.739E-01	1.870E+03	1.038E+02	1.830E+01	5.416E+00	6.772E+01	4.961E+01	1.220E+00
2.500E+04	8.078E-01	2.036E+03	1.045E+02	1.920E+01	5.623E+00	6.755E+01	4.887E+01	1.220E+00
2.600E+04	7.493E-01	2.199E+03	1.091E+02	2.003E+01	5.829E+00	6.599E+01	4.715E+01	1.220E+00
2.700E+04	6.979E-01	2.378E+03	1.115E+02	2.088E+01	6.027E+00	6.337E+01	4.474E+01	1.220E+00
2.800E+04	6.528E-01	2.569E+03	1.138E+02	2.173E+01	6.213E+00	6.009E+01	4.193E+01	1.220E+00
2.900E+04	6.133E-01	2.752E+03	1.158E+02	2.257E+01	6.385E+00	5.652E+01	3.801E+01	1.220E+00
3.000E+04	5.785E-01	2.935E+03	1.176E+02	2.340E+01	6.543E+00	5.297E+01	3.419E+01	1.220E+00
3.100E+04	5.479E-01	3.118E+03	1.193E+02	2.421E+01	6.686E+00	4.970E+01	3.046E+01	1.220E+00
3.200E+04	5.207E-01	3.302E+03	1.208E+02	2.499E+01	6.815E+00	4.687E+01	2.687E+01	1.220E+00
3.300E+04	4.964E-01	3.481E+03	1.222E+02	2.573E+01	6.932E+00	4.422E+01	2.379E+01	1.220E+00
3.400E+04	4.745E-01	3.658E+03	1.235E+02	2.641E+01	7.039E+00	4.268E+01	2.097E+01	1.220E+00
3.500E+04	4.546E-01	3.831E+03	1.247E+02	2.705E+01	7.136E+00	4.179E+01	1.842E+01	1.220E+00
3.600E+04	4.365E-01	4.003E+03	1.259E+02	2.762E+01	7.226E+00	4.129E+01	1.612E+01	1.220E+00
3.700E+04	4.198E-01	4.175E+03	1.270E+02	2.815E+01	7.311E+00	4.133E+01	1.407E+01	1.220E+00
3.800E+04	4.042E-01	4.346E+03	1.281E+02	2.863E+01	7.392E+00	4.184E+01	1.225E+01	1.220E+00
3.900E+04	3.897E-01	4.516E+03	1.292E+02	2.910E+01	7.471E+00	4.278E+01	1.055E+01	1.220E+00
4.000E+04	3.761E-01	4.687E+03	1.303E+02	2.955E+01	7.546E+00	4.399E+01	9.004E+00	1.220E+00
4.100E+04	3.632E-01	4.857E+03	1.314E+02	3.001E+01	7.625E+00	4.526E+01	7.511E+00	1.220E+00
4.200E+04	3.511E-01	5.027E+03	1.325E+02	3.047E+01	7.701E+00	4.656E+01	6.121E+00	1.220E+00
4.300E+04	3.395E-01	5.197E+03	1.336E+02	3.093E+01	7.778E+00	4.771E+01	4.801E+00	1.220E+00
4.400E+04	3.286E-01	5.367E+03	1.347E+02	3.140E+01	7.854E+00	4.866E+01	3.588E+00	1.220E+00
4.500E+04	3.182E-01	5.537E+03	1.358E+02	3.187E+01	7.930E+00	4.914E+01	2.408E+00	1.220E+00
4.600E+04	3.084E-01	5.707E+03	1.369E+02	3.234E+01	8.006E+00	4.937E+01	1.319E+00	1.220E+00
4.700E+04	2.991E-01	5.877E+03	1.380E+02	3.280E+01	8.077E+00	4.923E+01	3.404E+00	1.220E+00
4.800E+04	2.904E-01	6.047E+03	1.390E+02	3.326E+01	8.147E+00	4.878E+01	3.366E+00	1.220E+00
4.900E+04	2.821E-01	6.217E+03	1.400E+02	3.373E+01	8.215E+00	4.810E+01	3.311E+00	1.220E+00
5.000E+04	2.743E-01	6.387E+03	1.410E+02	3.420E+01	8.279E+00	4.727E+01	3.247E+00	1.220E+00

P/P1 = 3.00E-02

T	RND/RND-0	N/RND	S/R	A/A0	Z	CP/R	CV/R	CSMA
5.000E+04	2.732E-02	-5.270E+00	2.084E+01	1.185E+00	1.090E+00	1.146E+01	9.088E+00	1.211E+00
6.000E+04	1.623E-02	-1.522E+00	2.756E+01	1.380E+00	1.249E+00	1.867E+01	1.413E+01	1.209E+00
7.000E+04	1.170E-02	3.714E+00	2.683E+01	1.647E+00	1.486E+00	2.246E+01	1.640E+01	1.227E+00
8.000E+04	8.897E-01	9.003E+00	2.970E+01	1.913E+00	1.709E+00	1.929E+01	1.390E+01	1.290E+00
9.000E+04	7.308E-01	1.308E+01	3.165E+01	2.161E+00	1.850E+00	1.397E+01	1.014E+01	1.295E+00
1.000E+05	6.314E-01	1.608E+01	3.293E+01	2.326E+00	1.921E+00	1.049E+01	7.784E+00	1.325E+00
1.100E+05	5.656E-01	1.850E+01	3.387E+01	2.476E+00	1.955E+00	9.139E+00	6.676E+00	1.341E+00
1.200E+05	5.139E-01	2.046E+01	3.463E+01	2.602E+00	1.973E+00	8.462E+00	6.206E+00	1.346E+00
1.300E+05	4.721E-01	2.211E+01	3.530E+01	2.715E+00	1.982E+00	8.180E+00	6.028E+00	1.345E+00
1.400E+05	4.372E-01	2.472E+01	3.590E+01	2.818E+00	1.988E+00	8.078E+00	5.983E+00	1.347E+00
1.500E+05	4.073E-01	2.671E+01	3.646E+01	2.915E+00	1.991E+00	8.062E+00	5.999E+00	1.347E+00
1.600E+05	3.815E-01	2.871E+01	3.699E+01	3.007E+00	1.993E+00	8.088E+00	6.044E+00	1.336E+00
1.700E+05	3.587E-01	3.072E+01	3.748E+01	3.096E+00	1.995E+00	8.134E+00	6.103E+00	1.329E+00
1.800E+05	3.387E-01	3.274E+01	3.791E+01	3.181E+00	1.996E+00	8.182E+00	6.169E+00	1.325E+00
1.900E+05	3.207E-01	3.477E+01	3.840E+01	3.264E+00	1.997E+00	8.237E+00	6.239E+00	1.321E+00
2.000E+05	3.046E-01	3.683E+01	3.882E+01	3.345E+00	1.997E+00	8.320E+00	6.313E+00	1.317E+00
2.100E+05	2.904E-01	3.890E+01	3.923E+01	3.423E+00	1.998E+00	8.404E+00	6.391E+00	1.316E+00
2.200E+05	2.784E-01	4.100E+01	3.958E+01	3.498E+00	1.998E+00	8.496E+00	6.478E+00	1.316E+00
2.300E+05	2.687E-01	4.312E+01	4.001E+01	3.572E+00	1.999E+00	8.586E+00	6.568E+00	1.306E+00
2.400E+05	2.604E-01	4.526E+01	4.038E+01	3.643E+00	1.999E+00	8.712E+00	6.689E+00	1.301E+00
2.500E+05	2.534E-01	4.744E+01	4.075E+01	3.712E+00	2.000E+00	8.833E+00	6.820E+00	1.297E+00
2.600E+05	2.474E-01	4.966E+01	4.110E+01	3.779E+00	2.001E+00	9.021E+00	6.976E+00	1.292E+00
2.700E+05	2.425E-01	5.193E+01	4.145E+01	3.845E+00	2.002E+00	9.222E+00	7.159E+00	1.287E+00
2.800E+05	2.385E-01	5.425E+01	4.179E+01	3.907E+00	2.003E+00	9.441E+00	7.375E+00	1.281E+00
2.900E+05	2.353E-01	5.663E+01	4.213E+01	3.969E+00	2.005E+00	9.743E+00	7.628E+00	1.275E+00
3.000E+05	2.321E-01	5.910E+01	4.247E+01	4.030E+00	2.007E+00	1.007E+01	7.920E+00	1.269E+00
3.100E+05	2.290E-01	6.165E+01	4.281E+01	4.089E+00	2.010E+00	1.046E+01	8.256E+00	1.261E+00
3.200E+05	2.260E-01	6.430E+01	4.315E+01	4.148E+00	2.013E+00	1.089E+01	8.638E+00	1.256E+00
3.300E+05	2.230E-01	6.707E+01	4.350E+01	4.206E+00	2.017E+00	1.139E+01	9.067E+00	1.250E+00
3.400E+05	2.200E-01	6.997E+01	4.385E+01	4.265E+00	2.022E+00	1.195E+01	9.546E+00	1.245E+00
3.500E+05	2.174E-01	7.302E+01	4.421E+01	4.325E+00	2.029E+00	1.257E+01	1.007E+01	1.239E+00
3.600E+05	2.148E-01	7.623E+01	4.458E+01	4.385E+00	2.036E+00	1.326E+01	1.065E+01	1.234E+00
3.700E+05	2.124E-01	7.962E+01	4.495E+01	4.447E+00	2.044E+00	1.401E+01	1.127E+01	1.230E+00
3.800E+05	2.100E-01	8.320E+01	4.535E+01	4.510E+00	2.054E+00	1.483E+01	1.193E+01	1.226E+00
3.900E+05	2.078E-01	8.700E+01	4.575E+01	4.578E+00	2.065E+00	1.570E+01	1.264E+01	1.223E+00
4.000E+05	2.058E-01	9.101E+01	4.616E+01	4.648E+00	2.078E+00	1.664E+01	1.338E+01	1.220E+00
4.100E+05	2.039E-01	9.527E+01	4.659E+01	4.719E+00	2.093E+00	1.763E+01	1.416E+01	1.218E+00
4.200E+05	2.021E-01	9.979E+01	4.703E+01	4.792E+00	2.109E+00	1.867E+01	1.497E+01	1.216E+00
4.300E+05	2.004E-01	1.045E+02	4.748E+01	4.866E+00	2.127E+00	1.976E+01	1.579E+01	1.215E+00
4.400E+05	1.988E-01	1.096E+02	4.795E+01	4.937E+00	2.146E+00	2.090E+01	1.663E+01	1.214E+00
4.500E+05	1.974E-01	1.149E+02	4.844E+01	5.010E+00	2.166E+00	2.203E+01	1.748E+01	1.214E+00
4.600E+05	1.961E-01	1.204E+02	4.894E+01	5.082E+00	2.187E+00	2.321E+01	1.833E+01	1.214E+00
4.700E+05	1.949E-01	1.261E+02	4.946E+01	5.158E+00	2.210E+00	2.440E+01	1.917E+01	1.214E+00
4.800E+05	1.938E-01	1.320E+02	4.999E+01	5.238E+00	2.234E+00	2.559E+01	1.999E+01	1.215E+00

TABLE I. - Continued

T	K-D/R+D	H/R/D	S/R	A/R/D	Z	CP/R	CV/R	GAMMA
4.900E+03	1.091E+01	1.391E+02	5.033E+01	5.371E+00	2.276E+00	2.676E+01	2.078E+01	1.217E+00
5.000E+03	1.054E+01	1.458E+02	4.104E+01	5.467E+00	2.308E+00	2.790E+01	2.154E+01	1.218E+00
5.200E+03	9.843E+00	1.602E+02	5.223E+01	4.867E+00	2.377E+00	3.007E+01	2.292E+01	1.222E+00
5.400E+03	9.186E+00	1.755E+02	5.340E+01	4.877E+00	2.453E+00	3.195E+01	2.406E+01	1.227E+00
5.600E+03	8.574E+00	1.917E+02	5.460E+01	4.056E+00	2.533E+00	3.346E+01	2.490E+01	1.232E+00
5.800E+03	8.014E+00	2.084E+02	5.579E+01	4.321E+00	2.617E+00	3.491E+01	2.541E+01	1.236E+00
6.000E+03	7.501E+00	2.256E+02	5.697E+01	4.550E+00	2.703E+00	3.505E+01	2.559E+01	1.240E+00
6.200E+03	7.016E+00	2.429E+02	5.813E+01	4.780E+00	2.789E+00	3.511E+01	2.547E+01	1.251E+00
6.400E+03	6.619E+00	2.601E+02	5.923E+01	4.980E+00	2.873E+00	3.474E+01	2.502E+01	1.257E+00
6.600E+03	6.243E+00	2.770E+02	6.029E+01	5.148E+00	2.953E+00	3.405E+01	2.546E+01	1.262E+00
6.800E+03	5.908E+00	2.935E+02	6.124E+01	5.285E+00	3.028E+00	3.316E+01	2.591E+01	1.267E+00
7.000E+03	5.609E+00	3.096E+02	6.224E+01	5.395E+00	3.099E+00	3.222E+01	2.326E+01	1.271E+00
7.200E+03	5.341E+00	3.252E+02	6.313E+01	5.489E+00	3.164E+00	3.132E+01	2.768E+01	1.275E+00
7.400E+03	5.100E+00	3.404E+02	6.398E+01	5.568E+00	3.224E+00	3.056E+01	2.222E+01	1.279E+00
7.600E+03	4.882E+00	3.552E+02	6.478E+01	5.622E+00	3.279E+00	2.998E+01	2.190E+01	1.279E+00
7.800E+03	4.683E+00	3.678E+02	6.555E+01	5.656E+00	3.331E+00	2.940E+01	2.173E+01	1.275E+00
8.000E+03	4.501E+00	3.833E+02	6.630E+01	5.672E+00	3.379E+00	2.941E+01	2.189E+01	1.273E+00
8.200E+03	4.333E+00	3.987E+02	6.702E+01	5.671E+00	3.424E+00	2.936E+01	2.175E+01	1.273E+00
8.400E+03	4.177E+00	4.132E+02	6.773E+01	5.652E+00	3.467E+00	2.942E+01	2.167E+01	1.271E+00
8.600E+03	4.032E+00	4.277E+02	6.842E+01	5.622E+00	3.506E+00	2.952E+01	2.202E+01	1.271E+00
8.800E+03	3.897E+00	4.422E+02	6.910E+01	5.583E+00	3.546E+00	2.961E+01	2.214E+01	1.271E+00
9.000E+03	3.784E+00	4.568E+02	6.976E+01	5.536E+00	3.586E+00	2.962E+01	2.217E+01	1.273E+00
9.200E+03	3.650E+00	4.713E+02	7.041E+01	5.482E+00	3.623E+00	2.950E+01	2.209E+01	1.276E+00
9.400E+03	3.538E+00	4.858E+02	7.104E+01	5.459E+00	3.659E+00	2.925E+01	2.188E+01	1.280E+00
9.600E+03	3.422E+00	5.000E+02	7.165E+01	5.421E+00	3.693E+00	2.878E+01	2.151E+01	1.285E+00
9.800E+03	3.325E+00	5.140E+02	7.227E+01	5.388E+00	3.725E+00	2.814E+01	2.099E+01	1.288E+00
1.000E+04	3.240E+00	5.277E+02	7.279E+01	5.351E+00	3.755E+00	2.734E+01	2.034E+01	1.333E+00
1.100E+04	2.854E+00	5.800E+02	7.516E+01	5.172E+00	3.849E+00	2.637E+01	1.830E+01	1.384E+00
1.200E+04	2.567E+00	6.393E+02	7.695E+01	5.022E+00	3.940E+00	2.537E+01	1.718E+01	1.378E+00
1.300E+04	2.340E+00	6.857E+02	7.845E+01	4.882E+00	4.000E+00	2.436E+01	1.609E+01	1.334E+00
1.400E+04	2.167E+00	7.363E+02	7.991E+01	4.748E+00	4.048E+00	2.386E+01	1.538E+01	1.303E+00
1.500E+04	1.977E+00	7.894E+02	8.145E+01	4.626E+00	4.082E+00	2.340E+01	1.482E+01	1.276E+00
1.600E+04	1.824E+00	8.341E+02	8.319E+01	4.515E+00	4.109E+00	2.296E+01	1.439E+01	1.255E+00
1.700E+04	1.683E+00	8.809E+02	8.503E+01	4.413E+00	4.125E+00	2.254E+01	1.408E+01	1.239E+00
1.800E+04	1.551E+00	9.297E+02	8.714E+01	4.319E+00	4.137E+00	2.214E+01	1.388E+01	1.227E+00
1.900E+04	1.429E+00	9.800E+02	8.945E+01	4.240E+00	4.147E+00	2.177E+01	1.371E+01	1.218E+00
2.000E+04	1.315E+00	1.027E+03	9.194E+01	4.174E+00	4.154E+00	2.142E+01	1.357E+01	1.211E+00
2.100E+04	1.209E+00	1.083E+03	9.463E+01	4.118E+00	4.158E+00	2.108E+01	1.344E+01	1.205E+00
2.200E+04	1.112E+00	1.130E+03	9.741E+01	4.071E+00	4.160E+00	2.076E+01	1.331E+01	1.200E+00
2.300E+04	1.027E+00	1.187E+03	1.002E+02	4.032E+00	4.160E+00	2.045E+01	1.318E+01	1.194E+00
2.400E+04	9.437E-01	1.246E+03	1.035E+02	4.000E+00	4.159E+00	2.016E+01	1.305E+01	1.188E+00
2.500E+04	8.724E-01	1.303E+03	1.067E+02	3.974E+00	4.157E+00	1.988E+01	1.292E+01	1.182E+00
2.600E+04	8.096E-01	1.360E+03	1.098E+02	3.957E+00	4.154E+00	1.961E+01	1.279E+01	1.176E+00
2.700E+04	7.541E-01	1.418E+03	1.128E+02	3.949E+00	4.150E+00	1.935E+01	1.267E+01	1.170E+00
2.800E+04	7.054E-01	1.476E+03	1.157E+02	3.948E+00	4.145E+00	1.910E+01	1.255E+01	1.164E+00
2.900E+04	6.625E-01	1.530E+03	1.185E+02	3.952E+00	4.139E+00	1.886E+01	1.243E+01	1.158E+00
3.000E+04	6.246E-01	1.580E+03	1.211E+02	3.961E+00	4.132E+00	1.863E+01	1.231E+01	1.152E+00
3.100E+04	5.915E-01	1.628E+03	1.236E+02	3.974E+00	4.124E+00	1.841E+01	1.219E+01	1.146E+00
3.200E+04	5.619E-01	1.674E+03	1.259E+02	3.990E+00	4.115E+00	1.820E+01	1.207E+01	1.140E+00
3.300E+04	5.355E-01	1.718E+03	1.280E+02	3.999E+00	4.105E+00	1.800E+01	1.195E+01	1.134E+00
3.400E+04	5.117E-01	1.760E+03	1.300E+02	4.000E+00	4.094E+00	1.781E+01	1.183E+01	1.128E+00
3.500E+04	4.902E-01	1.800E+03	1.318E+02	4.000E+00	4.082E+00	1.763E+01	1.171E+01	1.122E+00
3.600E+04	4.705E-01	1.838E+03	1.334E+02	4.000E+00	4.069E+00	1.746E+01	1.159E+01	1.116E+00
3.700E+04	4.523E-01	1.874E+03	1.349E+02	4.000E+00	4.056E+00	1.730E+01	1.147E+01	1.110E+00
3.800E+04	4.355E-01	1.908E+03	1.363E+02	4.000E+00	4.042E+00	1.714E+01	1.135E+01	1.104E+00
3.900E+04	4.198E-01	1.940E+03	1.376E+02	4.000E+00	4.028E+00	1.698E+01	1.123E+01	1.098E+00
4.000E+04	4.051E-01	1.970E+03	1.388E+02	4.000E+00	4.014E+00	1.683E+01	1.111E+01	1.092E+00
4.100E+04	3.912E-01	2.000E+03	1.400E+02	4.000E+00	4.000E+00	1.668E+01	1.099E+01	1.086E+00
4.200E+04	3.781E-01	2.028E+03	1.411E+02	4.000E+00	3.986E+00	1.653E+01	1.087E+01	1.080E+00
4.300E+04	3.656E-01	2.055E+03	1.421E+02	4.000E+00	3.972E+00	1.638E+01	1.075E+01	1.074E+00
4.400E+04	3.538E-01	2.080E+03	1.430E+02	4.000E+00	3.958E+00	1.623E+01	1.063E+01	1.068E+00
4.500E+04	3.426E-01	2.104E+03	1.439E+02	4.000E+00	3.944E+00	1.608E+01	1.051E+01	1.062E+00
4.600E+04	3.320E-01	2.127E+03	1.447E+02	4.000E+00	3.930E+00	1.593E+01	1.039E+01	1.056E+00
4.700E+04	3.220E-01	2.149E+03	1.455E+02	4.000E+00	3.916E+00	1.577E+01	1.027E+01	1.050E+00
4.800E+04	3.125E-01	2.170E+03	1.462E+02	4.000E+00	3.902E+00	1.561E+01	1.015E+01	1.044E+00
4.900E+04	3.036E-01	2.190E+03	1.469E+02	4.000E+00	3.888E+00	1.545E+01	1.003E+01	1.038E+00
5.000E+04	2.952E-01	2.209E+03	1.476E+02	4.000E+00	3.874E+00	1.529E+01	9.91E+00	1.032E+00

P/P0 = 3.20E+02

T	K-D/R+D	H/R/D	S/R	A/R/D	Z	CP/R	CV/R	GAMMA
5.000E+02	2.397E+02	-5.275E+00	2.073E+01	1.186E+00	1.087E+00	1.126E+01	6.920E+00	1.212E+00
6.000E+02	1.762E+02	-1.649E+00	2.340E+01	1.386E+00	1.262E+00	1.831E+01	1.188E+01	1.209E+00
7.000E+02	1.258E+02	3.521E+00	2.662E+01	1.640E+00	1.474E+00	2.255E+01	1.628E+01	1.226E+00
8.000E+02	9.554E+01	8.813E+00	2.969E+01	1.905E+00	1.648E+00	1.947E+01	1.401E+01	1.257E+00
9.000E+02	7.824E+01	1.255E+01	3.167E+01	2.135E+00	1.842E+00	1.422E+01	1.031E+01	1.293E+00
1.000E+03	6.773E+01	1.600E+01	3.279E+01	2.321E+00	1.916E+00	1.095E+01	7.900E+00	1.323E+00
1.100E+03	6.362E+01	1.845E+01	3.371E+01	2.473E+00	1.951E+00	2.233E+01	6.741E+00	1.339E+00
1.200E+03	5.984E+01	2.043E+01	3.457E+01	2.601E+00	1.971E+00	2.515E+01	6.261E+00	1.345E+00

TABLE I. - Continued

T	R40/R40=0	M/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
1.300E+03	5.039E+01	2.269E+01	3.517E+01	2.714E+00	1.981E+00	8.211E+00	6.050E+00	1.345E+00
1.400E+03	4.665E+01	2.471E+01	3.577E+01	2.817E+00	1.987E+00	8.097E+00	5.996E+00	1.342E+00
1.500E+03	4.344E+01	2.670E+01	3.633E+01	2.914E+00	1.991E+00	8.074E+00	6.007E+00	1.338E+00
1.600E+03	4.070E+01	2.871E+01	3.686E+01	3.007E+00	1.993E+00	8.096E+00	6.050E+00	1.334E+00
1.700E+03	3.827E+01	3.071E+01	3.735E+01	3.095E+00	1.995E+00	8.140E+00	6.107E+00	1.329E+00
1.800E+03	3.613E+01	3.273E+01	3.782E+01	3.181E+00	1.996E+00	8.196E+00	6.171E+00	1.325E+00
1.900E+03	3.421E+01	3.475E+01	3.827E+01	3.264E+00	1.996E+00	8.259E+00	6.240E+00	1.321E+00
2.000E+03	3.249E+01	3.678E+01	3.869E+01	3.344E+00	1.997E+00	8.329E+00	6.313E+00	1.317E+00
2.100E+03	3.094E+01	3.880E+01	3.911E+01	3.422E+00	1.998E+00	8.406E+00	6.391E+00	1.314E+00
2.200E+03	2.952E+01	4.080E+01	3.950E+01	3.498E+00	1.998E+00	8.492E+00	6.476E+00	1.310E+00
2.300E+03	2.825E+01	4.277E+01	3.988E+01	3.572E+00	1.998E+00	8.591E+00	6.573E+00	1.308E+00
2.400E+03	2.705E+01	4.473E+01	4.025E+01	3.643E+00	1.999E+00	8.707E+00	6.683E+00	1.307E+00
2.500E+03	2.594E+01	4.664E+01	4.062E+01	3.712E+00	2.000E+00	8.844E+00	6.812E+00	1.297E+00
2.600E+03	2.495E+01	4.850E+01	4.097E+01	3.779E+00	2.000E+00	9.008E+00	6.964E+00	1.292E+00
2.700E+03	2.407E+01	5.031E+01	4.132E+01	3.845E+00	2.001E+00	9.204E+00	7.143E+00	1.287E+00
2.800E+03	2.330E+01	5.206E+01	4.166E+01	3.908E+00	2.003E+00	9.436E+00	7.353E+00	1.281E+00
2.900E+03	2.273E+01	5.375E+01	4.200E+01	3.970E+00	2.004E+00	9.710E+00	7.598E+00	1.275E+00
3.000E+03	2.156E+01	5.540E+01	4.234E+01	4.030E+00	2.007E+00	1.003E+01	7.883E+00	1.269E+00
3.100E+03	2.084E+01	5.695E+01	4.267E+01	4.090E+00	2.009E+00	1.040E+01	8.209E+00	1.263E+00
3.200E+03	2.015E+01	5.845E+01	4.302E+01	4.149E+00	2.013E+00	1.083E+01	8.579E+00	1.257E+00
3.300E+03	1.950E+01	5.990E+01	4.336E+01	4.207E+00	2.017E+00	1.131E+01	8.996E+00	1.251E+00
3.400E+03	1.888E+01	6.130E+01	4.371E+01	4.266E+00	2.022E+00	1.185E+01	9.459E+00	1.246E+00
3.500E+03	1.829E+01	6.264E+01	4.403E+01	4.326E+00	2.028E+00	1.246E+01	9.970E+00	1.240E+00
3.600E+03	1.772E+01	6.397E+01	4.435E+01	4.386E+00	2.035E+00	1.312E+01	1.053E+01	1.235E+00
3.700E+03	1.717E+01	6.529E+01	4.467E+01	4.446E+00	2.043E+00	1.385E+01	1.113E+01	1.231E+00
3.800E+03	1.664E+01	6.661E+01	4.498E+01	4.507E+00	2.052E+00	1.464E+01	1.178E+01	1.227E+00
3.900E+03	1.613E+01	6.793E+01	4.529E+01	4.568E+00	2.063E+00	1.559E+01	1.248E+01	1.224E+00
4.000E+03	1.563E+01	6.925E+01	4.559E+01	4.629E+00	2.076E+00	1.640E+01	1.319E+01	1.221E+00
4.100E+03	1.515E+01	7.057E+01	4.589E+01	4.691E+00	2.090E+00	1.736E+01	1.394E+01	1.219E+00
4.200E+03	1.468E+01	7.189E+01	4.619E+01	4.753E+00	2.106E+00	1.837E+01	1.473E+01	1.217E+00
4.300E+03	1.422E+01	7.321E+01	4.649E+01	4.815E+00	2.123E+00	1.943E+01	1.553E+01	1.216E+00
4.400E+03	1.377E+01	7.453E+01	4.679E+01	4.878E+00	2.142E+00	2.052E+01	1.635E+01	1.215E+00
4.500E+03	1.333E+01	7.585E+01	4.709E+01	4.941E+00	2.164E+00	2.164E+01	1.718E+01	1.214E+00
4.600E+03	1.290E+01	7.717E+01	4.739E+01	5.004E+00	2.187E+00	2.279E+01	1.801E+01	1.213E+00
4.700E+03	1.248E+01	7.849E+01	4.769E+01	5.067E+00	2.212E+00	2.395E+01	1.883E+01	1.212E+00
4.800E+03	1.208E+01	7.981E+01	4.799E+01	5.130E+00	2.239E+00	2.511E+01	1.964E+01	1.211E+00
4.900E+03	1.168E+01	8.113E+01	4.829E+01	5.193E+00	2.268E+00	2.626E+01	2.042E+01	1.210E+00
5.000E+03	1.129E+01	8.245E+01	4.859E+01	5.256E+00	2.299E+00	2.739E+01	2.117E+01	1.209E+00
5.100E+03	1.091E+01	8.377E+01	4.889E+01	5.319E+00	2.366E+00	2.933E+01	2.254E+01	1.222E+00
5.200E+03	1.055E+01	8.509E+01	4.919E+01	5.382E+00	2.440E+00	3.143E+01	2.369E+01	1.227E+00
5.300E+03	1.021E+01	8.641E+01	4.949E+01	5.445E+00	2.519E+00	3.297E+01	2.456E+01	1.232E+00
5.400E+03	9.87E+00	8.773E+01	4.979E+01	5.508E+00	2.601E+00	3.408E+01	2.512E+01	1.238E+00
5.500E+03	9.54E+00	8.905E+01	5.009E+01	5.571E+00	2.686E+00	3.471E+01	2.536E+01	1.244E+00
5.600E+03	9.22E+00	9.037E+01	5.039E+01	5.634E+00	2.771E+00	3.487E+01	2.531E+01	1.250E+00
5.700E+03	8.91E+00	9.169E+01	5.069E+01	5.697E+00	2.854E+00	3.461E+01	2.500E+01	1.256E+00
5.800E+03	8.61E+00	9.301E+01	5.099E+01	5.760E+00	2.934E+00	3.402E+01	2.451E+01	1.262E+00
5.900E+03	8.32E+00	9.433E+01	5.129E+01	5.823E+00	3.010E+00	3.321E+01	2.392E+01	1.267E+00
6.000E+03	8.04E+00	9.565E+01	5.159E+01	5.886E+00	3.081E+00	3.232E+01	2.331E+01	1.271E+00
6.100E+03	7.77E+00	9.697E+01	5.189E+01	5.949E+00	3.156E+00	3.145E+01	2.274E+01	1.273E+00
6.200E+03	7.51E+00	9.829E+01	5.219E+01	6.012E+00	3.207E+00	3.070E+01	2.228E+01	1.275E+00
6.300E+03	7.26E+00	9.961E+01	5.249E+01	6.075E+00	3.264E+00	3.010E+01	2.194E+01	1.276E+00
6.400E+03	7.02E+00	1.009E+02	5.279E+01	6.138E+00	3.316E+00	2.969E+01	2.175E+01	1.275E+00
6.500E+03	6.79E+00	1.027E+02	5.309E+01	6.201E+00	3.355E+00	2.946E+01	2.168E+01	1.274E+00
6.600E+03	6.57E+00	1.045E+02	5.339E+01	6.264E+00	3.411E+00	2.938E+01	2.172E+01	1.273E+00
6.700E+03	6.36E+00	1.063E+02	5.369E+01	6.327E+00	3.454E+00	2.941E+01	2.183E+01	1.272E+00
6.800E+03	6.16E+00	1.081E+02	5.399E+01	6.390E+00	3.496E+00	2.949E+01	2.196E+01	1.271E+00
6.900E+03	5.97E+00	1.100E+02	5.429E+01	6.453E+00	3.536E+00	2.957E+01	2.207E+01	1.271E+00
7.000E+03	5.79E+00	1.119E+02	5.459E+01	6.516E+00	3.575E+00	2.958E+01	2.211E+01	1.272E+00
7.100E+03	5.62E+00	1.138E+02	5.489E+01	6.579E+00	3.612E+00	2.949E+01	2.205E+01	1.271E+00
7.200E+03	5.46E+00	1.157E+02	5.519E+01	6.642E+00	3.649E+00	2.934E+01	2.186E+01	1.270E+00
7.300E+03	5.31E+00	1.176E+02	5.549E+01	6.705E+00	3.687E+00	2.893E+01	2.153E+01	1.269E+00
7.400E+03	5.17E+00	1.195E+02	5.579E+01	6.768E+00	3.714E+00	2.824E+01	2.105E+01	1.268E+00
7.500E+03	5.04E+00	1.214E+02	5.609E+01	6.831E+00	3.743E+00	2.748E+01	2.043E+01	1.291E+00
7.600E+03	4.92E+00	1.233E+02	5.639E+01	6.894E+00	3.767E+00	2.661E+01	1.968E+01	1.331E+00
7.700E+03	4.81E+00	1.252E+02	5.669E+01	6.957E+00	3.784E+00	1.930E+01	1.886E+01	1.363E+00
7.800E+03	4.71E+00	1.271E+02	5.699E+01	7.020E+00	3.796E+00	1.893E+01	1.816E+01	1.392E+00
7.900E+03	4.62E+00	1.290E+02	5.729E+01	7.083E+00	3.803E+00	1.837E+01	1.734E+01	1.420E+00
8.000E+03	4.54E+00	1.309E+02	5.759E+01	7.146E+00	3.807E+00	1.764E+01	1.648E+01	1.444E+00
8.100E+03	4.47E+00	1.328E+02	5.789E+01	7.209E+00	3.807E+00	1.677E+01	1.557E+01	1.464E+00
8.200E+03	4.41E+00	1.347E+02	5.819E+01	7.272E+00	3.803E+00	1.584E+01	1.464E+01	1.479E+00
8.300E+03	4.36E+00	1.366E+02	5.849E+01	7.335E+00	3.796E+00	1.487E+01	1.370E+01	1.489E+00
8.400E+03	4.32E+00	1.385E+02	5.879E+01	7.398E+00	3.786E+00	1.387E+01	1.278E+01	1.494E+00
8.500E+03	4.29E+00	1.404E+02	5.909E+01	7.461E+00	3.774E+00	1.284E+01	1.186E+01	1.495E+00
8.600E+03	4.27E+00	1.423E+02	5.939E+01	7.524E+00	3.760E+00	1.179E+01	1.096E+01	1.487E+00
8.700E+03	4.26E+00	1.442E+02	5.969E+01	7.587E+00	3.745E+00	1.074E+01	1.010E+01	1.471E+00
8.800E+03	4.26E+00	1.461E+02	5.999E+01	7.650E+00	3.729E+00	9.69E+00	9.28E+00	1.448E+00
8.900E+03	4.27E+00	1.480E+02	6.029E+01	7.713E+00	3.712E+00	8.74E+00	8.51E+00	1.421E+00
9.000E+03	4.29E+00	1.500E+02	6.059E+01	7.776E+00	3.695E+00	7.88E+00	7.78E+00	1.389E+00
9.100E+03	4.32E+00	1.520E+02	6.089E+01	7.839E+00	3.678E+00	7.11E+00	7.11E+00	1.353E+00
9.200E+03	4.36E+00	1.540E+02	6.119E+01	7.902E+00	3.662E+00	6.43E+00	6.50E+00	1.315E+00
9.300E+03	4.41E+00	1.560E+02	6.149E+01	7.965E+00	3.647E+00	5.82E+00	5.94E+00	1.277E+00
9.400E+03	4.47E+00	1.580E+02	6.179E+01	8.028E+00	3.633E+00	5.28E+00	5.43E+00	1.241E+00
9.500E+03	4.54E+00	1.600E+02	6.209E+01	8.091E+00	3.620E+00	4.81E+00	4.96E+00	1.207E+00
9.600E+03	4.62E+00	1.620E+02	6.239E+01	8.154E+00	3.608E+00	4.41E+00	4.54E+00	1.177E+00
9.700E+03	4.71E+00	1.640E+02	6.269E+01	8.217E+00	3.597E+00	4.07E+00	4.17E+00	1.150E+00
9.800E+03	4.81E+00	1.660E+02	6.299E+01	8.280E+00	3.587E+00	3.79E+00	3.84E+00	1.126E+00
9.900E+03	4.92E+00	1.680E+02	6.329E+01	8.343E+00	3.578E+00	3.56E+00	3.56E+00	1.105E+00
1.000E+04	5.04E+00	1.700E+02	6.359E+01	8.406E+00	3.570E+00	3.37E+00	3.33E+00	1.087E+00
1.100E+04	5.17E+00	1.720E+02	6.389E+01	8.469E+00	3.563E+00	3.22E+00	3.15E+00	1.072E+00
1.200E+04	5.31E+00	1.740E+02	6.419E+01	8.532E+00	3.557E+00	3.10E+00	3.01E+00	1.059E+00
1.300E+04	5.46E+00	1.760E+02	6.449E+01	8.595E+00	3.552E+00	3.00E+00	2.91E+00	1.048E+00
1.400E+04	5.62E+00	1.780E+02	6.479E+01	8.658E+00	3.548E+00	2.92E+00	2.83E+00	1.039E+00
1.500E+04	5.79E+00	1.800E+02	6.509E+01	8.721E+00	3.545E+00	2.86E+00	2.77E+00	1.032E+00
1.600E+04	5.97E+00	1.820E+02	6.539E+01	8.784E+00	3.543E+00	2.81E+00	2.72E+00	1.026E+0

TABLE I. - Continued

T	RH/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
3.500E+04	5.260E-01	3.313E+03	1.233E+07	2.684E+01	7.049E+00	4.215E+01	2.804E+01	1.373E+00
3.600E+04	5.048E-01	3.415E+03	1.245E+07	2.743E+01	7.147E+00	4.146E+01	2.761E+01	1.377E+00
3.700E+04	4.852E-01	3.516E+03	1.256E+07	2.798E+01	7.229E+00	4.130E+01	2.759E+01	1.377E+00
3.800E+04	4.671E-01	3.618E+03	1.267E+07	2.849E+01	7.312E+00	4.161E+01	2.794E+01	1.374E+00
3.900E+04	4.502E-01	3.721E+03	1.278E+07	2.897E+01	7.392E+00	4.232E+01	2.858E+01	1.369E+00
4.000E+04	4.343E-01	3.826E+03	1.289E+07	2.943E+01	7.470E+00	4.332E+01	2.944E+01	1.363E+00
4.100E+04	4.194E-01	3.934E+03	1.300E+07	2.988E+01	7.548E+00	4.451E+01	3.041E+01	1.358E+00
4.200E+04	4.053E-01	4.045E+03	1.311E+07	3.035E+01	7.625E+00	4.574E+01	3.140E+01	1.353E+00
4.300E+04	3.919E-01	4.158E+03	1.321E+07	3.082E+01	7.701E+00	4.690E+01	3.230E+01	1.350E+00
4.400E+04	3.792E-01	4.275E+03	1.332E+07	3.132E+01	7.778E+00	4.787E+01	3.303E+01	1.348E+00
4.500E+04	3.672E-01	4.394E+03	1.343E+07	3.183E+01	7.854E+00	4.857E+01	3.354E+01	1.348E+00
4.600E+04	3.558E-01	4.514E+03	1.354E+07	3.235E+01	7.929E+00	4.895E+01	3.380E+01	1.350E+00
4.700E+04	3.450E-01	4.634E+03	1.364E+07	3.289E+01	8.002E+00	4.900E+01	3.377E+01	1.353E+00
4.800E+04	3.349E-01	4.755E+03	1.375E+07	3.344E+01	8.074E+00	4.874E+01	3.356E+01	1.358E+00
4.900E+04	3.253E-01	4.874E+03	1.385E+07	3.400E+01	8.143E+00	4.823E+01	3.314E+01	1.363E+00
5.000E+04	3.162E-01	4.992E+03	1.394E+07	3.456E+01	8.209E+00	4.754E+01	3.259E+01	1.369E+00

P/P0 = 3.40E+02

T	RHO/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	2.542E+02	-5.312E+00	2.064E+01	1.183E+00	1.085E+00	1.104E+01	8.766E+00	1.213E+00
6.000E+02	1.961E+02	-1.746E+00	2.325E+01	1.380E+00	1.235E+00	1.798E+01	1.364E+01	1.209E+00
7.000E+02	1.346E+02	3.341E+00	2.643E+01	1.634E+00	1.463E+00	2.227E+01	1.616E+01	1.226E+00
8.000E+02	1.022E+02	9.612E+00	2.929E+01	1.898E+00	1.687E+00	1.963E+01	1.411E+01	1.256E+00
9.000E+02	8.352E+01	1.282E+01	3.130E+01	2.129E+00	1.834E+00	1.446E+01	1.047E+01	1.292E+00
1.000E+03	7.213E+01	1.592E+01	3.263E+01	2.317E+00	1.912E+00	1.101E+01	8.013E+00	1.321E+00
1.100E+03	6.429E+01	1.841E+01	3.359E+01	2.470E+00	1.950E+00	9.326E+00	6.806E+00	1.338E+00
1.200E+03	5.834E+01	2.060E+01	3.437E+01	2.599E+00	1.969E+00	8.568E+00	6.280E+00	1.344E+00
1.300E+03	5.357E+01	2.267E+01	3.504E+01	2.712E+00	1.980E+00	8.241E+00	6.071E+00	1.344E+00
1.400E+03	4.958E+01	2.469E+01	3.565E+01	2.816E+00	1.986E+00	8.116E+00	6.009E+00	1.342E+00
1.500E+03	4.619E+01	2.669E+01	3.621E+01	2.913E+00	1.990E+00	8.086E+00	6.015E+00	1.338E+00
1.600E+03	4.325E+01	2.870E+01	3.673E+01	3.006E+00	1.993E+00	8.104E+00	6.055E+00	1.333E+00
1.700E+03	4.067E+01	3.071E+01	3.723E+01	3.095E+00	1.994E+00	8.145E+00	6.110E+00	1.329E+00
1.800E+03	3.839E+01	3.273E+01	3.770E+01	3.181E+00	1.995E+00	8.200E+00	6.174E+00	1.325E+00
1.900E+03	3.635E+01	3.477E+01	3.816E+01	3.264E+00	1.996E+00	8.262E+00	6.241E+00	1.321E+00
2.000E+03	3.453E+01	3.682E+01	3.857E+01	3.344E+00	1.997E+00	8.330E+00	6.313E+00	1.317E+00
2.100E+03	3.287E+01	3.890E+01	3.894E+01	3.422E+00	1.997E+00	8.406E+00	6.391E+00	1.314E+00
2.200E+03	3.137E+01	4.099E+01	3.918E+01	3.498E+00	1.998E+00	8.491E+00	6.475E+00	1.310E+00
2.300E+03	3.000E+01	4.311E+01	3.976E+01	3.572E+00	1.998E+00	8.588E+00	6.569E+00	1.308E+00
2.400E+03	2.874E+01	4.525E+01	4.013E+01	3.643E+00	1.999E+00	8.702E+00	6.678E+00	1.302E+00
2.500E+03	2.758E+01	4.743E+01	4.049E+01	3.712E+00	1.999E+00	8.836E+00	6.804E+00	1.297E+00
2.600E+03	2.651E+01	4.964E+01	4.085E+01	3.780E+00	2.000E+00	8.996E+00	6.953E+00	1.292E+00
2.700E+03	2.552E+01	5.190E+01	4.119E+01	3.845E+00	2.001E+00	9.187E+00	7.128E+00	1.287E+00
2.800E+03	2.459E+01	5.421E+01	4.153E+01	3.909E+00	2.003E+00	9.414E+00	7.335E+00	1.282E+00
2.900E+03	2.372E+01	5.658E+01	4.187E+01	3.971E+00	2.004E+00	9.681E+00	7.572E+00	1.276E+00
3.000E+03	2.291E+01	5.903E+01	4.221E+01	4.031E+00	2.006E+00	9.993E+00	7.849E+00	1.270E+00
3.100E+03	2.214E+01	6.156E+01	4.255E+01	4.091E+00	2.009E+00	1.035E+01	8.168E+00	1.265E+00
3.200E+03	2.141E+01	6.418E+01	4.289E+01	4.150E+00	2.012E+00	1.077E+01	8.522E+00	1.258E+00
3.300E+03	2.072E+01	6.692E+01	4.323E+01	4.208E+00	2.016E+00	1.124E+01	8.931E+00	1.252E+00
3.400E+03	2.007E+01	6.978E+01	4.358E+01	4.267E+00	2.021E+00	1.176E+01	9.382E+00	1.247E+00
3.500E+03	1.944E+01	7.278E+01	4.393E+01	4.326E+00	2.027E+00	1.235E+01	9.879E+00	1.241E+00
3.600E+03	1.884E+01	7.593E+01	4.429E+01	4.386E+00	2.034E+00	1.300E+01	1.042E+01	1.236E+00
3.700E+03	1.825E+01	7.925E+01	4.466E+01	4.448E+00	2.041E+00	1.371E+01	1.101E+01	1.232E+00
3.800E+03	1.769E+01	8.275E+01	4.504E+01	4.510E+00	2.051E+00	1.447E+01	1.164E+01	1.228E+00
3.900E+03	1.715E+01	8.645E+01	4.543E+01	4.575E+00	2.061E+00	1.530E+01	1.230E+01	1.225E+00
4.000E+03	1.663E+01	9.036E+01	4.583E+01	4.641E+00	2.073E+00	1.618E+01	1.301E+01	1.222E+00
4.100E+03	1.611E+01	9.449E+01	4.625E+01	4.710E+00	2.087E+00	1.712E+01	1.374E+01	1.220E+00
4.200E+03	1.562E+01	9.886E+01	4.668E+01	4.781E+00	2.102E+00	1.810E+01	1.451E+01	1.218E+00
4.300E+03	1.513E+01	1.035E+02	4.712E+01	4.854E+00	2.119E+00	1.913E+01	1.529E+01	1.217E+00
4.400E+03	1.466E+01	1.084E+02	4.757E+01	4.930E+00	2.138E+00	2.019E+01	1.609E+01	1.216E+00
4.500E+03	1.419E+01	1.135E+02	4.804E+01	5.009E+00	2.159E+00	2.129E+01	1.690E+01	1.215E+00
4.600E+03	1.374E+01	1.189E+02	4.853E+01	5.091E+00	2.181E+00	2.241E+01	1.771E+01	1.215E+00
4.700E+03	1.330E+01	1.246E+02	4.907E+01	5.176E+00	2.206E+00	2.354E+01	1.852E+01	1.216E+00
4.800E+03	1.287E+01	1.306E+02	4.954E+01	5.263E+00	2.232E+00	2.468E+01	1.931E+01	1.216E+00
4.900E+03	1.245E+01	1.368E+02	5.006E+01	5.354E+00	2.260E+00	2.581E+01	2.009E+01	1.218E+00
5.000E+03	1.204E+01	1.434E+02	5.063E+01	5.447E+00	2.290E+00	2.692E+01	2.083E+01	1.219E+00
5.200E+03	1.126E+01	1.572E+02	5.170E+01	5.642E+00	2.356E+00	2.904E+01	2.219E+01	1.223E+00
5.400E+03	1.052E+01	1.720E+02	5.284E+01	5.848E+00	2.428E+00	3.093E+01	2.335E+01	1.227E+00
5.600E+03	9.829E+00	1.877E+02	5.399E+01	6.062E+00	2.505E+00	3.250E+01	2.444E+01	1.232E+00
5.800E+03	9.192E+00	2.040E+02	5.516E+01	6.282E+00	2.586E+00	3.367E+01	2.484E+01	1.238E+00
6.000E+03	8.608E+00	2.208E+02	5.632E+01	6.508E+00	2.670E+00	3.438E+01	2.514E+01	1.244E+00
6.200E+03	8.077E+00	2.378E+02	5.745E+01	6.735E+00	2.754E+00	3.463E+01	2.515E+01	1.250E+00
6.400E+03	7.597E+00	2.549E+02	5.855E+01	6.961E+00	2.836E+00	3.447E+01	2.490E+01	1.256E+00
6.600E+03	7.165E+00	2.717E+02	5.960E+01	7.185E+00	2.916E+00	3.396E+01	2.447E+01	1.261E+00
6.800E+03	6.777E+00	2.882E+02	6.063E+01	7.400E+00	2.992E+00	3.324E+01	2.392E+01	1.266E+00
7.000E+03	6.430E+00	3.043E+02	6.155E+01	7.609E+00	3.063E+00	3.240E+01	2.334E+01	1.270E+00
7.200E+03	6.119E+00	3.200E+02	6.245E+01	7.810E+00	3.130E+00	3.157E+01	2.279E+01	1.273E+00
7.400E+03	5.838E+00	3.354E+02	6.310E+01	8.001E+00	3.192E+00	3.081E+01	2.233E+01	1.278E+00
7.600E+03	5.585E+00	3.503E+02	6.411E+01	8.183E+00	3.249E+00	3.021E+01	2.198E+01	1.278E+00
7.800E+03	5.354E+00	3.650E+02	6.497E+01	8.357E+00	3.302E+00	2.978E+01	2.177E+01	1.278E+00
8.000E+03	5.143E+00	3.796E+02	6.564E+01	8.524E+00	3.351E+00	2.951E+01	2.14E+01	1.275E+00
8.200E+03	4.949E+00	3.941E+02	6.636E+01	8.683E+00	3.398E+00	2.940E+01	2.117E+01	1.274E+00
8.400E+03	4.769E+00	4.085E+02	6.707E+01	8.844E+00	3.442E+00	2.940E+01	2.117E+01	1.273E+00
8.600E+03	4.607E+00	4.230E+02	6.776E+01	8.990E+00	3.484E+00	2.946E+01	2.119E+01	1.272E+00
8.800E+03	4.446E+00	4.375E+02	6.843E+01	9.136E+00	3.524E+00	2.953E+01	2.201E+01	1.272E+00

TABLE I. - Continued

T	RND/RND-0	H/RTO	S/R	A/A0	Z	CP/K	CV/R	GAMMA
9.000E+03	4.300E+00	4.520E+02	6.910E+01	9.112E+00	3.563E+00	2.955E+01	2.206E+01	1.272E+00
9.200E+03	4.162E+00	4.665E+02	6.974E+01	9.470E+00	3.601E+00	2.947E+01	2.201E+01	1.274E+00
9.400E+03	4.033E+00	4.809E+02	7.037E+01	9.830E+00	3.637E+00	2.925E+01	2.185E+01	1.276E+00
9.600E+03	3.912E+00	4.952E+02	7.098E+01	9.791E+00	3.671E+00	2.887E+01	2.154E+01	1.280E+00
9.800E+03	3.798E+00	5.093E+02	7.157E+01	9.955E+00	3.704E+00	2.832E+01	2.109E+01	1.284E+00
1.000E+04	3.691E+00	5.231E+02	7.214E+01	1.012E+01	3.735E+00	2.761E+01	2.051E+01	1.290E+00
1.100E+04	3.247E+00	4.852E+02	7.455E+01	1.095E+01	3.806E+00	2.283E+01	1.645E+01	1.329E+00
1.200E+04	2.918E+00	6.366E+02	7.636E+01	1.170E+01	3.938E+00	1.943E+01	1.395E+01	1.362E+00
1.300E+04	2.657E+00	6.832E+02	7.787E+01	1.226E+01	3.992E+00	1.891E+01	1.364E+01	1.362E+00
1.400E+04	2.438E+00	7.313E+02	7.932E+01	1.268E+01	4.039E+00	2.054E+01	1.509E+01	1.338E+00
1.500E+04	2.247E+00	7.853E+02	8.083E+01	1.306E+01	4.092E+00	2.364E+01	1.773E+01	1.307E+00
1.600E+04	2.074E+00	8.483E+02	8.248E+01	1.345E+01	4.156E+00	2.785E+01	2.123E+01	1.279E+00
1.700E+04	1.915E+00	9.227E+02	8.434E+01	1.387E+01	4.236E+00	3.293E+01	2.536E+01	1.257E+00
1.800E+04	1.768E+00	1.010E+03	8.639E+01	1.434E+01	4.334E+00	3.863E+01	2.988E+01	1.240E+00
1.900E+04	1.630E+00	1.112E+03	8.859E+01	1.484E+01	4.451E+00	4.483E+01	3.451E+01	1.228E+00
2.000E+04	1.502E+00	1.229E+03	9.101E+01	1.543E+01	4.589E+00	5.056E+01	3.892E+01	1.220E+00
2.100E+04	1.384E+00	1.360E+03	9.359E+01	1.604E+01	4.745E+00	5.599E+01	4.277E+01	1.215E+00
2.200E+04	1.274E+00	1.503E+03	9.629E+01	1.670E+01	4.918E+00	6.050E+01	4.576E+01	1.213E+00
2.300E+04	1.175E+00	1.655E+03	9.903E+01	1.741E+01	5.103E+00	6.376E+01	4.768E+01	1.215E+00
2.400E+04	1.085E+00	1.814E+03	1.018E+02	1.816E+01	5.297E+00	6.559E+01	4.845E+01	1.220E+00
2.500E+04	1.004E+00	1.975E+03	1.044E+02	1.895E+01	5.495E+00	6.594E+01	4.811E+01	1.227E+00
2.600E+04	9.317E-01	2.135E+03	1.070E+02	1.973E+01	5.692E+00	6.497E+01	4.680E+01	1.238E+00
2.700E+04	8.681E-01	2.291E+03	1.094E+02	2.055E+01	5.883E+00	6.293E+01	4.477E+01	1.251E+00
2.800E+04	8.119E-01	2.442E+03	1.116E+02	2.138E+01	6.066E+00	6.017E+01	4.228E+01	1.266E+00
2.900E+04	7.624E-01	2.585E+03	1.134E+02	2.221E+01	6.237E+00	5.700E+01	3.959E+01	1.283E+00
3.000E+04	7.187E-01	2.720E+03	1.155E+02	2.303E+01	6.395E+00	5.374E+01	3.691E+01	1.301E+00
3.100E+04	6.800E-01	2.847E+03	1.172E+02	2.384E+01	6.541E+00	5.063E+01	3.442E+01	1.319E+00
3.200E+04	6.456E-01	2.968E+03	1.187E+02	2.462E+01	6.674E+00	4.783E+01	3.224E+01	1.336E+00
3.300E+04	6.149E-01	3.081E+03	1.202E+02	2.537E+01	6.795E+00	4.548E+01	3.044E+01	1.351E+00
3.400E+04	5.872E-01	3.190E+03	1.215E+02	2.608E+01	6.906E+00	4.363E+01	2.907E+01	1.363E+00
3.500E+04	5.622E-01	3.295E+03	1.227E+02	2.674E+01	7.008E+00	4.232E+01	2.814E+01	1.371E+00
3.600E+04	5.393E-01	3.398E+03	1.239E+02	2.734E+01	7.102E+00	4.155E+01	2.746E+01	1.376E+00
3.700E+04	5.183E-01	3.499E+03	1.250E+02	2.790E+01	7.191E+00	4.130E+01	2.755E+01	1.376E+00
3.800E+04	4.994E-01	3.600E+03	1.261E+02	2.842E+01	7.275E+00	4.152E+01	2.782E+01	1.374E+00
3.900E+04	4.807E-01	3.703E+03	1.272E+02	2.895E+01	7.355E+00	4.214E+01	2.840E+01	1.370E+00
4.000E+04	4.637E-01	3.807E+03	1.283E+02	2.937E+01	7.434E+00	4.307E+01	2.919E+01	1.364E+00
4.100E+04	4.477E-01	3.914E+03	1.293E+02	2.983E+01	7.512E+00	4.419E+01	3.012E+01	1.359E+00
4.200E+04	4.326E-01	4.024E+03	1.304E+02	3.029E+01	7.589E+00	4.539E+01	3.108E+01	1.354E+00
4.300E+04	4.183E-01	4.137E+03	1.315E+02	3.076E+01	7.665E+00	4.654E+01	3.198E+01	1.351E+00
4.400E+04	4.048E-01	4.253E+03	1.326E+02	3.125E+01	7.742E+00	4.753E+01	3.273E+01	1.349E+00
4.500E+04	3.919E-01	4.371E+03	1.336E+02	3.175E+01	7.818E+00	4.828E+01	3.328E+01	1.349E+00
4.600E+04	3.798E-01	4.490E+03	1.347E+02	3.228E+01	7.893E+00	4.873E+01	3.359E+01	1.350E+00
4.700E+04	3.682E-01	4.610E+03	1.357E+02	3.282E+01	7.967E+00	4.886E+01	3.365E+01	1.353E+00
4.800E+04	3.573E-01	4.730E+03	1.368E+02	3.336E+01	8.039E+00	4.869E+01	3.348E+01	1.357E+00
4.900E+04	3.470E-01	4.850E+03	1.378E+02	3.392E+01	8.109E+00	4.826E+01	3.312E+01	1.362E+00
5.000E+04	3.373E-01	4.968E+03	1.387E+02	3.447E+01	8.176E+00	4.763E+01	3.262E+01	1.368E+00

P/PO = 3.60E+02

T	RND/RND-0	H/RTO	S/R	A/A0	Z	CP/R	CV/R	GAMMA
5.000E+02	2.697E+02	-5.348E+00	2.055E+01	1.182E+00	1.082E+00	1.086E+01	8.625E+00	1.214E+00
6.000E+02	1.981E+02	-1.845E+00	2.312E+01	1.376E+00	1.229E+00	1.766E+01	1.343E+01	1.209E+00
7.000E+02	1.436E+02	3.173E+00	2.624E+01	1.627E+00	1.453E+00	2.208E+01	1.607E+01	1.225E+00
8.000E+02	1.088E+02	6.459E+00	2.911E+01	1.892E+00	1.677E+00	1.976E+01	1.419E+01	1.255E+00
9.000E+02	8.879E+01	1.270E+01	3.114E+01	2.123E+00	1.827E+00	1.468E+01	1.062E+01	1.290E+00
1.000E+03	7.656E+01	1.584E+01	3.249E+01	2.313E+00	1.907E+00	1.117E+01	8.122E+00	1.320E+00
1.100E+03	6.816E+01	1.836E+01	3.346E+01	2.467E+00	1.947E+00	9.418E+00	6.870E+00	1.337E+00
1.200E+03	6.183E+01	2.057E+01	3.425E+01	2.597E+00	1.968E+00	8.620E+00	6.316E+00	1.346E+00
1.300E+03	5.675E+01	2.265E+01	3.492E+01	2.711E+00	1.979E+00	8.272E+00	6.092E+00	1.346E+00
1.400E+03	5.252E+01	2.468E+01	3.553E+01	2.815E+00	1.986E+00	8.135E+00	6.021E+00	1.341E+00
1.500E+03	4.892E+01	2.668E+01	3.609E+01	2.913E+00	1.992E+00	8.098E+00	6.023E+00	1.338E+00
1.600E+03	4.580E+01	2.869E+01	3.662E+01	3.004E+00	1.992E+00	8.112E+00	6.060E+00	1.333E+00
1.700E+03	4.307E+01	3.070E+01	3.711E+01	3.095E+00	1.994E+00	8.151E+00	6.114E+00	1.329E+00
1.800E+03	4.065E+01	3.272E+01	3.758E+01	3.180E+00	1.995E+00	8.203E+00	6.178E+00	1.325E+00
1.900E+03	3.850E+01	3.476E+01	3.803E+01	3.262E+00	1.996E+00	8.264E+00	6.243E+00	1.321E+00
2.000E+03	3.656E+01	3.682E+01	3.846E+01	3.344E+00	1.997E+00	8.332E+00	6.314E+00	1.317E+00
2.100E+03	3.481E+01	3.889E+01	3.887E+01	3.422E+00	1.997E+00	8.406E+00	6.390E+00	1.314E+00
2.200E+03	3.322E+01	4.099E+01	3.926E+01	3.498E+00	1.998E+00	8.490E+00	6.474E+00	1.310E+00
2.300E+03	3.177E+01	4.310E+01	3.965E+01	3.572E+00	1.998E+00	8.585E+00	6.567E+00	1.307E+00
2.400E+03	3.044E+01	4.525E+01	4.002E+01	3.643E+00	1.999E+00	8.677E+00	6.673E+00	1.302E+00
2.500E+03	2.921E+01	4.742E+01	4.038E+01	3.713E+00	1.999E+00	8.782E+00	6.798E+00	1.297E+00
2.600E+03	2.807E+01	4.983E+01	4.073E+01	3.780E+00	2.000E+00	8.935E+00	6.943E+00	1.292E+00
2.700E+03	2.702E+01	5.189E+01	4.108E+01	3.845E+00	2.001E+00	9.172E+00	7.114E+00	1.288E+00
2.800E+03	2.604E+01	5.402E+01	4.142E+01	3.909E+00	2.002E+00	9.393E+00	7.314E+00	1.282E+00
2.900E+03	2.512E+01	5.656E+01	4.176E+01	3.971E+00	2.004E+00	9.653E+00	7.547E+00	1.277E+00
3.000E+03	2.426E+01	5.900E+01	4.209E+01	4.032E+00	2.006E+00	9.957E+00	7.817E+00	1.271E+00
3.100E+03	2.345E+01	6.152E+01	4.243E+01	4.091E+00	2.009E+00	1.031E+01	8.127E+00	1.265E+00
3.200E+03	2.268E+01	6.413E+01	4.276E+01	4.151E+00	2.012E+00	1.071E+01	8.478E+00	1.259E+00
3.300E+03	2.197E+01	6.685E+01	4.310E+01	4.209E+00	2.016E+00	1.117E+01	8.872E+00	1.253E+00

TABLE I. - Continued

T	RHU/RHU-0	H/KTU	S/K	A/A0	Z	CP/R	CV/R	GAMMA
3.400F+03	2.125E+01	6.969E+01	4.345E+01	4.268E+00	2.020E+00	1.160F+01	9.311E+00	1.248F+00
3.500F+03	2.059E+01	7.267E+01	4.380F+01	4.327E+00	2.026F+00	1.225E+01	9.795E+00	1.242E 00
3.600E+03	1.995E+01	7.579E+01	4.415E+01	4.387E+00	2.033E+00	1.280F+01	1.032E+01	1.237E+00
3.700E+03	1.934F+01	7.908E+01	4.453E+01	4.448E+00	2.040E+00	1.357E+01	1.089E+01	1.233E+00
3.800F+03	1.875E+01	8.259E+01	4.490E+01	4.510E+00	2.049E+00	1.432E+01	1.151E+01	1.229F+00
3.900F+03	1.818F+01	8.621E+01	4.529F+01	4.575E+00	2.060F+00	1.512E+01	1.214E+01	1.224E+00
4.000F+03	1.762F+01	9.007E+01	4.569E+01	4.641E+00	2.071E+00	1.598E+01	1.284E+01	1.220E+00
4.100F+03	1.708E+01	9.415E+01	4.610E+01	4.709E+00	2.085E+00	1.689E+01	1.358E+01	1.220E+00
4.200F+03	1.656F+01	9.847E+01	4.652E+01	4.779E+00	2.099E+00	1.785E+01	1.430E+01	1.219E+00
4.300E+03	1.605E+01	1.030F+02	4.695E+01	4.852E+00	2.114E+00	1.885E+01	1.507E+01	1.217E+00
4.400F+03	1.555E+01	1.078E+02	4.740E+01	4.927E+00	2.134E+00	1.989E+01	1.585E+01	1.216E+00
4.500F+03	1.506E+01	1.129E+02	4.787E+01	5.006E+00	2.154E+00	2.094E+01	1.665E+01	1.216E+00
4.600F+03	1.459F+01	1.182F+02	4.834E+01	5.087E+00	2.174E+00	2.205F+01	1.744E+01	1.216E+00
4.700E+03	1.412E+01	1.238F+02	4.883F+01	5.170E+00	2.200E+00	2.316E+01	1.823E+01	1.216E+00
4.800E+03	1.367F+01	1.297E+02	4.934E+01	5.257E+00	2.226E+00	2.428E+01	1.901E+01	1.217E+00
4.900F+03	1.322E+01	1.359E+02	4.985F+01	5.346E+00	2.253E+00	2.539E+01	1.977E+01	1.218F+00
5.000E+03	1.279F+01	1.423E+02	5.038E+01	5.439E+00	2.283E+00	2.648E+01	2.050E+01	1.219E+00
5.200E+03	1.179F+01	1.559E+02	5.184E+01	5.632F+00	2.346F+00	2.850E+01	2.186E+01	1.223E+00
5.400F+03	1.119F+01	1.705E+02	5.258F+01	5.835E+00	2.417E+00	3.047E+01	2.302E+01	1.227E+00
5.600F+03	1.046E+01	1.860E+02	5.373E+01	6.046E+00	2.493F+00	3.206F+01	2.394E+01	1.231F+00
5.800E+03	9.786E+00	2.021E+02	5.488E+01	6.265E+00	2.572E+00	3.327E+01	2.458E+01	1.238F+00
6.000E+03	9.166E+00	2.187E+02	5.602F+01	6.489E+00	2.655E+00	3.405E+01	2.492E+01	1.244E+00
6.200F+03	8.602E+00	2.356F+02	5.714E+01	6.714E+00	2.738E+00	3.439F+01	2.498E+01	1.249F+00
6.400E+03	8.091E+00	2.529E+02	5.824E+01	6.939E+00	2.820E+00	3.431F+01	2.479E+01	1.255F+00
6.600F+03	7.630F+00	2.699F+02	5.928E+01	7.161E+00	2.899E+00	3.375E+01	2.442E+01	1.261F+00
6.800F+03	7.216E+00	2.85PE+02	6.029E+01	7.372E+00	2.975E+00	3.24E+01	2.391E+01	1.266F+00
7.000F+03	6.845E+00	3.019E+02	6.124E+01	7.588E+00	3.047E+00	3.047E+01	2.336E+01	1.270F+00
7.200E+03	6.511E+00	3.177E+02	6.214E+01	7.789E+00	3.114F+00	3.166E+01	2.283E+01	1.273E+00
7.400F+03	6.211E+00	3.330E+02	6.299E+01	7.981E+00	3.176E+00	3.192F+01	2.237E+01	1.275F+00
7.600F+03	5.940E+00	3.480F+02	6.380E+01	8.165E+00	3.234E+00	3.031F+01	2.202E+01	1.276E+00
7.800E+03	5.693E+00	3.628E+02	6.458E+01	8.340E+00	3.288E+00	2.986E+01	2.179E+01	1.276F+00
8.000E+03	5.467E+00	3.774E+02	6.533E+01	8.508E+00	3.338E+00	2.957E+01	2.168E+01	1.275E+00
8.200E+03	5.260E+00	3.919E+02	6.606E+01	8.671E+00	3.385E+00	2.943F+01	2.168E+01	1.274F+00
8.400E+03	5.068E+00	4.063E+02	6.677E+01	8.830E+00	3.430E+00	2.941E+01	2.175E+01	1.273E+00
8.600F+03	4.889E+00	4.208F+02	6.746E+01	8.987E+00	3.472E+00	2.945E+01	2.185E+01	1.272E+00
8.800F+03	4.723E+00	4.353E+02	6.813E+01	9.143E+00	3.513E+00	2.950E+01	2.195E+01	1.272E+00
9.000F+03	4.567E+00	4.498E+02	6.879E+01	9.295E+00	3.552E+00	2.952E+01	2.200E+01	1.273F+00
9.200F+03	4.420E+00	4.643E+02	6.944E+01	9.457E+00	3.590E+00	2.945E+01	2.197E+01	1.274E+00
9.400F+03	4.283E+00	4.787E+02	7.007E+01	9.616E+00	3.626E+00	2.926E+01	2.183E+01	1.276F+00
9.600F+03	4.154E+00	4.930E+02	7.068E+01	9.777E+00	3.661E+00	2.891E+01	2.155E+01	1.279E+00
9.800E+03	4.032E+00	5.071E+02	7.127E+01	9.940E+00	3.695E+00	2.839E+01	2.113E+01	1.284E+00
1.000E+04	3.918E+00	5.209E+02	7.184E+01	1.010E+01	3.726E+00	2.772E+01	2.058E+01	1.289E+00
1.100E+04	3.815E+00	5.355E+02	7.242E+01	1.029E+01	3.753E+00	2.705E+01	1.981E+01	1.328E+00
1.200E+04	3.719E+00	5.503E+02	7.300E+01	1.049E+01	3.780E+00	2.638E+01	1.904E+01	1.361E+00
1.300E+04	3.632E+00	5.652E+02	7.358E+01	1.069E+01	3.807E+00	2.572E+01	1.827E+01	1.393E+00
1.400E+04	3.554E+00	5.802E+02	7.416E+01	1.089E+01	3.834E+00	2.506E+01	1.750E+01	1.425E+00
1.500E+04	3.484E+00	5.953E+02	7.474E+01	1.109E+01	3.861E+00	2.440E+01	1.673E+01	1.457E+00
1.600E+04	3.421E+00	6.105E+02	7.532E+01	1.129E+01	3.888E+00	2.374E+01	1.596E+01	1.489E+00
1.700E+04	3.364E+00	6.258E+02	7.590E+01	1.149E+01	3.915E+00	2.308E+01	1.519E+01	1.521E+00
1.800E+04	3.313E+00	6.412E+02	7.648E+01	1.169E+01	3.942E+00	2.242E+01	1.442E+01	1.553E+00
1.900E+04	3.267E+00	6.567E+02	7.706E+01	1.189E+01	3.969E+00	2.176E+01	1.365E+01	1.585E+00
2.000E+04	3.226E+00	6.723E+02	7.764E+01	1.209E+01	3.996E+00	2.110E+01	1.288E+01	1.617E+00
2.100E+04	3.189E+00	6.880E+02	7.822E+01	1.229E+01	4.023E+00	2.044E+01	1.211E+01	1.649E+00
2.200E+04	3.156E+00	7.038E+02	7.880E+01	1.249E+01	4.050E+00	1.978E+01	1.134E+01	1.681E+00
2.300E+04	3.127E+00	7.196E+02	7.938E+01	1.269E+01	4.077E+00	1.912E+01	1.057E+01	1.713E+00
2.400E+04	3.101E+00	7.355E+02	7.996E+01	1.289E+01	4.104E+00	1.846E+01	9.80E+00	1.745E+00
2.500E+04	3.078E+00	7.515E+02	8.054E+01	1.309E+01	4.131E+00	1.780E+01	9.03E+00	1.777E+00
2.600E+04	3.058E+00	7.675E+02	8.112E+01	1.329E+01	4.158E+00	1.714E+01	8.26E+00	1.809E+00
2.700E+04	3.041E+00	7.836E+02	8.170E+01	1.349E+01	4.185E+00	1.648E+01	7.49E+00	1.841E+00
2.800E+04	3.027E+00	8.000E+02	8.228E+01	1.369E+01	4.212E+00	1.582E+01	6.72E+00	1.873E+00
2.900E+04	3.016E+00	8.166E+02	8.286E+01	1.389E+01	4.239E+00	1.516E+01	5.95E+00	1.905E+00
3.000E+04	3.007E+00	8.334E+02	8.344E+01	1.409E+01	4.266E+00	1.450E+01	5.18E+00	1.937E+00
3.100E+04	3.000E+00	8.503E+02	8.402E+01	1.429E+01	4.293E+00	1.384E+01	4.41E+00	1.969E+00
3.200E+04	2.995E+00	8.673E+02	8.460E+01	1.449E+01	4.320E+00	1.318E+01	3.64E+00	1.999E+00
3.300E+04	2.992E+00	8.844E+02	8.518E+01	1.469E+01	4.347E+00	1.252E+01	2.87E+00	2.029E+00
3.400E+04	2.991E+00	9.016E+02	8.576E+01	1.489E+01	4.374E+00	1.186E+01	2.10E+00	2.059E+00
3.500E+04	2.992E+00	9.189E+02	8.634E+01	1.509E+01	4.401E+00	1.120E+01	1.33E+00	2.089E+00
3.600E+04	2.995E+00	9.363E+02	8.692E+01	1.529E+01	4.428E+00	1.054E+01	5.5E+00	2.119E+00
3.700E+04	2.999E+00	9.538E+02	8.750E+01	1.549E+01	4.455E+00	9.8E+00	3.7E+00	2.149E+00
3.800E+04	3.004E+00	9.714E+02	8.808E+01	1.569E+01	4.482E+00	9.1E+00	2.9E+00	2.179E+00
3.900E+04	3.010E+00	9.891E+02	8.866E+01	1.589E+01	4.509E+00	8.4E+00	2.1E+00	2.209E+00
4.000E+04	3.017E+00	1.006E+03	8.924E+01	1.609E+01	4.536E+00	7.7E+00	1.3E+00	2.239E+00
4.100E+04	3.024E+00	1.021E+03	8.982E+01	1.629E+01	4.563E+00	7.0E+00	5.5E+00	2.269E+00
4.200E+04	3.031E+00	1.036E+03	9.040E+01	1.649E+01	4.590E+00	6.3E+00	3.7E+00	2.299E+00
4.300E+04	3.038E+00	1.051E+03	9.098E+01	1.669E+01	4.617E+00	5.6E+00	2.9E+00	2.329E+00
4.400E+04	3.045E+00	1.066E+03	9.156E+01	1.689E+01	4.644E+00	4.9E+00	2.1E+00	2.359E+00
4.500E+04	3.052E+00	1.081E+03	9.214E+01	1.709E+01	4.671E+00	4.2E+00	1.3E+00	2.389E+00
4.600E+04	3.059E+00	1.096E+03	9.272E+01	1.729E+01	4.698E+00	3.5E+00	5.5E+00	2.419E+00
4.700E+04	3.066E+00	1.111E+03	9.330E+01	1.749E+01	4.725E+00	2.8E+00	3.7E+00	2.449E+00
4.800E+04	3.073E+00	1.126E+03	9.388E+01	1.769E+01	4.752E+00	2.1E+00	2.9E+00	2.479E+00
4.900E+04	3.080E+00	1.141E+03	9.446E+01	1.789E+01	4.779E+00	1.4E+00	2.1E+00	2.509E+00
5.000E+04	3.087E+00	1.156E+03	9.504E+01	1.809E+01	4.806E+00	7.0E+00	1.3E+00	2.539E+00
5.100E+04	3.094E+00	1.171E+03	9.562E+01	1.829E+01	4.833E+00	6.3E+00	5.5E+00	2.569E+00
5.200E+04	3.101E+00	1.186E+03	9.620E+01	1.849E+01	4.860E+00	5.6E+00	3.9E+00	2.599E+00
5.300E+04	3.108E+00	1.201E+03	9.678E+01	1.869E+01	4.887E+00	4.9E+00	3.1E+00	2.629E+00
5.400E+04	3.115E+00	1.216E+03	9.736E+01	1.889E+01	4.914E+00	4.2E+00	2.3E+00	2.659E+00
5.500E+04	3.122E+00	1.231E+03	9.794E+01	1.909E+01	4.941E+00	3.5E+00	1.5E+00	2.689E+00
5.600E+04	3.129E+00	1.246E+03	9.852E+01	1.929E+01	4.968E+00	2.8E+00	7.5E+00	2.719E+00
5.700E+04	3.136E+00	1.261E+03	9.910E+01	1.949E+01	4.995E+00	2.1E+00	5.5E+00	2.749E+00
5.800E+04	3.143E+00	1.276E+03	9.968E+01	1.969E+01	5.022E+00	1.4E+00	3.7E+00	2.779E+00
5.900E+04	3.150E+00	1.291E+03	1.002E+02	1.989E+01	5.049E+00	7.0E+00	2.9E+00	2.809E+00
6.000E+04	3.157E+00	1.306E+03	1.008E+02	2.009E+01	5.076E+00	6.3E+00	2.1E+00	2.839E+00
6.100E+04	3.164E+00	1.321E+03	1.014E+02	2.029E+01	5.103E+00	5.6E+00	1.3E+00	2.869E+00
6.200E+04	3.171E+00	1.336E+03	1.020E+02	2.049E+01	5.130E+00	4.9E+00	5.5E+00	2.899E+00
6.300E+04	3.178E							

TABLE I. - Continued

$\rho/\rho_0 = 1.80E+02$

T	RHO/RHO0	H/RHO	C/R	A/R	Z	CP/R	CV/R	GAMMA
5.000E+02	2.851E+02	-5.381E+00	2.046E+01	1.181E+00	1.080E+00	1.070E+01	8.495E+00	1.214E+00
5.000E+02	2.101E+02	-1.938E+00	2.299E+01	1.373E+00	1.223E+00	1.737E+01	1.322E+01	1.209E+00
7.000E+02	1.526E+02	3.716E+00	2.608E+01	1.622E+00	1.443E+00	2.189E+01	1.591E+01	1.225E+00
8.000E+02	1.156E+02	8.294E+00	2.894E+01	1.885E+00	1.667E+00	1.988E+01	1.426E+01	1.254E+00
9.000E+02	9.459E+01	1.258E+01	3.099E+01	2.118E+00	1.820E+00	1.488E+01	1.076E+01	1.288E+00
1.000E+03	8.190E+01	1.577E+01	3.235E+01	2.399E+00	1.903E+00	1.132E+01	4.227E+00	1.318E+00
1.100E+03	7.205E+01	1.831E+01	3.335E+01	2.665E+00	1.966E+00	9.507E+00	6.933E+00	1.336E+00
1.200E+03	6.537E+01	2.094E+01	3.413E+01	2.895E+00	1.986E+00	8.671E+00	6.352E+00	1.343E+00
1.300E+03	5.996E+01	2.267E+01	3.481E+01	3.110E+00	1.978E+00	8.302E+00	6.113E+00	1.344E+00
1.400E+03	5.546E+01	2.467E+01	3.542E+01	3.315E+00	1.985E+00	8.153E+00	6.034E+00	1.341E+00
1.500E+03	5.165E+01	2.667E+01	3.598E+01	3.512E+00	1.989E+00	8.110E+00	6.031E+00	1.337E+00
1.600E+03	4.846E+01	2.868E+01	3.651E+01	3.705E+00	1.992E+00	8.119E+00	6.056E+00	1.333E+00
1.700E+03	4.547E+01	3.069E+01	3.702E+01	3.894E+00	1.994E+00	8.156E+00	6.117E+00	1.329E+00
1.800E+03	4.297E+01	3.272E+01	3.747E+01	4.078E+00	1.995E+00	8.207E+00	6.178E+00	1.325E+00
1.900E+03	4.066E+01	3.476E+01	3.792E+01	4.263E+00	1.996E+00	8.267E+00	6.244E+00	1.321E+00
2.000E+03	3.840E+01	3.681E+01	3.835E+01	4.444E+00	1.996E+00	8.333E+00	6.315E+00	1.317E+00
2.100E+03	3.625E+01	3.899E+01	3.876E+01	4.622E+00	1.997E+00	8.407E+00	6.390E+00	1.314E+00
2.200E+03	3.420E+01	4.099E+01	3.916E+01	4.798E+00	1.998E+00	8.489E+00	6.472E+00	1.310E+00
2.300E+03	3.225E+01	4.313E+01	3.956E+01	4.972E+00	1.998E+00	8.583E+00	6.564E+00	1.306E+00
2.400E+03	3.040E+01	4.524E+01	3.991E+01	5.143E+00	1.999E+00	8.693E+00	6.669E+00	1.302E+00
2.500E+03	2.865E+01	4.742E+01	4.027E+01	5.311E+00	1.999E+00	8.822E+00	6.791E+00	1.297E+00
2.600E+03	2.700E+01	4.964E+01	4.067E+01	5.476E+00	2.000E+00	8.975E+00	6.934E+00	1.293E+00
2.700E+03	2.555E+01	5.193E+01	4.097E+01	5.646E+00	2.001E+00	9.158E+00	7.101E+00	1.288E+00
2.800E+03	2.420E+01	5.418E+01	4.131E+01	5.809E+00	2.002E+00	9.374E+00	7.297E+00	1.283E+00
2.900E+03	2.295E+01	5.656E+01	4.164E+01	5.972E+00	2.004E+00	9.628E+00	7.525E+00	1.277E+00
3.000E+03	2.180E+01	5.897E+01	4.194E+01	6.132E+00	2.006E+00	9.925E+00	7.789E+00	1.271E+00
3.100E+03	2.075E+01	6.149E+01	4.231E+01	6.292E+00	2.008E+00	1.027E+01	8.091E+00	1.265E+00
3.200E+03	1.980E+01	6.409E+01	4.265E+01	6.451E+00	2.011E+00	1.066E+01	8.433E+00	1.260E+00
3.300E+03	1.895E+01	6.679E+01	4.299E+01	6.610E+00	2.015E+00	1.111E+01	8.818E+00	1.254E+00
3.400E+03	1.820E+01	6.962E+01	4.333E+01	6.769E+00	2.020E+00	1.161E+01	9.246E+00	1.248E+00
3.500E+03	1.755E+01	7.257E+01	4.369E+01	6.928E+00	2.025E+00	1.216E+01	9.717E+00	1.243E+00
3.600E+03	1.700E+01	7.567E+01	4.405E+01	7.088E+00	2.032E+00	1.278E+01	1.023E+01	1.238E+00
3.700E+03	1.655E+01	7.893E+01	4.440E+01	7.248E+00	2.037E+00	1.345E+01	1.079E+01	1.234E+00
3.800E+03	1.620E+01	8.237E+01	4.477E+01	7.411E+00	2.044E+00	1.418E+01	1.139E+01	1.230E+00
3.900E+03	1.590E+01	8.599E+01	4.515E+01	7.576E+00	2.058E+00	1.496E+01	1.202E+01	1.227E+00
4.000E+03	1.565E+01	8.981E+01	4.555E+01	7.744E+00	2.069E+00	1.580E+01	1.269E+01	1.224E+00
4.100E+03	1.545E+01	9.384E+01	4.595E+01	7.908E+00	2.082E+00	1.666E+01	1.339E+01	1.221E+00
4.200E+03	1.530E+01	9.817E+01	4.637E+01	8.078E+00	2.097E+00	1.762E+01	1.412E+01	1.219E+00
4.300E+03	1.519E+01	1.026E+02	4.680E+01	8.255E+00	2.113E+00	1.860E+01	1.488E+01	1.218E+00
4.400E+03	1.510E+01	1.073E+02	4.724E+01	8.435E+00	2.131E+00	1.961E+01	1.563E+01	1.217E+00
4.500E+03	1.505E+01	1.123E+02	4.770E+01	8.622E+00	2.150E+00	2.066E+01	1.641E+01	1.217E+00
4.600E+03	1.505E+01	1.174E+02	4.817E+01	8.815E+00	2.172E+00	2.173E+01	1.719E+01	1.216E+00
4.700E+03	1.505E+01	1.231E+02	4.865E+01	9.015E+00	2.195E+00	2.281E+01	1.796E+01	1.217E+00
4.800E+03	1.446E+01	1.289E+02	4.915E+01	9.214E+00	2.220E+00	2.391E+01	1.873E+01	1.217E+00
4.900E+03	1.400E+01	1.349E+02	4.965E+01	9.409E+00	2.247E+00	2.500E+01	1.948E+01	1.218E+00
5.000E+03	1.355E+01	1.413E+02	5.017E+01	9.617E+00	2.275E+00	2.608E+01	2.021E+01	1.220E+00
5.100E+03	1.268E+01	1.547E+02	5.124E+01	9.822E+00	2.310E+00	2.815E+01	2.155E+01	1.223E+00
5.200E+03	1.166E+01	1.691E+02	5.235E+01	10.025E+00	2.407E+00	3.004E+01	2.272E+01	1.227E+00
5.300E+03	1.109E+01	1.843E+02	5.347E+01	10.232E+00	2.481E+00	3.166E+01	2.365E+01	1.232E+00
5.400E+03	1.038E+01	2.007E+02	5.461E+01	10.449E+00	2.559E+00	3.289E+01	2.432E+01	1.238E+00
5.500E+03	9.727E+00	2.167E+02	5.574E+01	10.671E+00	2.643E+00	3.373E+01	2.471E+01	1.244E+00
5.600E+03	9.113E+00	2.334E+02	5.686E+01	10.915E+00	2.723E+00	3.416E+01	2.482E+01	1.249E+00
5.700E+03	8.547E+00	2.503E+02	5.796E+01	11.170E+00	2.804E+00	3.415E+01	2.468E+01	1.255E+00
5.800E+03	8.029E+00	2.670E+02	5.899E+01	11.440E+00	2.884E+00	3.381E+01	2.435E+01	1.260E+00
5.900E+03	7.554E+00	2.837E+02	5.999E+01	11.725E+00	2.960E+00	3.323E+01	2.389E+01	1.264E+00
6.000E+03	7.120E+00	2.996E+02	6.096E+01	12.025E+00	3.032E+00	3.250E+01	2.338E+01	1.269E+00
6.100E+03	6.727E+00	3.156E+02	6.194E+01	12.340E+00	3.099E+00	3.173E+01	2.286E+01	1.273E+00
6.200E+03	6.368E+00	3.318E+02	6.270E+01	12.662E+00	3.162E+00	3.101E+01	2.241E+01	1.275E+00
6.300E+03	6.047E+00	3.485E+02	6.351E+01	12.995E+00	3.220E+00	3.040E+01	2.205E+01	1.276E+00
6.400E+03	5.768E+00	3.657E+02	6.423E+01	13.337E+00	3.275E+00	2.993E+01	2.181E+01	1.276E+00
6.500E+03	5.525E+00	3.834E+02	6.505E+01	13.695E+00	3.325E+00	2.963E+01	2.169E+01	1.276E+00
6.600E+03	5.313E+00	4.017E+02	6.587E+01	14.065E+00	3.374E+00	2.946E+01	2.166E+01	1.275E+00
6.700E+03	5.127E+00	4.204E+02	6.668E+01	14.445E+00	3.418E+00	2.941E+01	2.172E+01	1.274E+00
6.800E+03	4.965E+00	4.397E+02	6.747E+01	14.835E+00	3.461E+00	2.944E+01	2.178E+01	1.273E+00
6.900E+03	4.825E+00	4.595E+02	6.824E+01	15.235E+00	3.502E+00	2.948E+01	2.190E+01	1.273E+00
7.000E+03	4.705E+00	4.798E+02	6.899E+01	15.645E+00	3.547E+00	2.950E+01	2.195E+01	1.273E+00
7.100E+03	4.603E+00	4.999E+02	6.971E+01	16.065E+00	3.580E+00	2.946E+01	2.193E+01	1.273E+00
7.200E+03	4.517E+00	5.197E+02	7.038E+01	16.495E+00	3.610E+00	2.926E+01	2.180E+01	1.273E+00
7.300E+03	4.445E+00	5.392E+02	7.099E+01	16.935E+00	3.635E+00	2.896E+01	2.155E+01	1.273E+00
7.400E+03	4.387E+00	5.584E+02	7.155E+01	17.385E+00	3.655E+00	2.865E+01	2.116E+01	1.273E+00
7.500E+03	4.342E+00	5.773E+02	7.205E+01	17.845E+00	3.671E+00	2.834E+01	2.064E+01	1.273E+00
7.600E+03	4.308E+00	5.959E+02	7.250E+01	18.315E+00	3.685E+00	2.804E+01	2.004E+01	1.273E+00
7.700E+03	4.284E+00	6.143E+02	7.290E+01	18.795E+00	3.696E+00	2.775E+01	1.944E+01	1.273E+00
7.800E+03	4.269E+00	6.325E+02	7.325E+01	19.285E+00	3.704E+00	2.747E+01	1.884E+01	1.273E+00
7.900E+03	4.262E+00	6.505E+02	7.355E+01	19.785E+00	3.709E+00	2.720E+01	1.824E+01	1.273E+00
8.000E+03	4.262E+00	6.683E+02	7.380E+01	20.295E+00	3.711E+00	2.694E+01	1.764E+01	1.273E+00
8.100E+03	4.268E+00	6.859E+02	7.400E+01	20.815E+00	3.710E+00	2.669E+01	1.704E+01	1.273E+00
8.200E+03	4.280E+00	7.033E+02	7.415E+01	21.345E+00	3.706E+00	2.644E+01	1.644E+01	1.273E+00
8.300E+03	4.297E+00	7.205E+02	7.425E+01	21.885E+00	3.700E+00	2.619E+01	1.584E+01	1.273E+00
8.400E+03	4.319E+00	7.375E+02	7.430E+01	22.435E+00	3.691E+00	2.594E+01	1.524E+01	1.273E+00
8.500E+03	4.345E+00	7.543E+02	7.430E+01	22.995E+00	3.679E+00	2.569E+01	1.464E+01	1.273E+00
8.600E+03	4.375E+00	7.709E+02	7.425E+01	23.565E+00	3.664E+00	2.544E+01	1.404E+01	1.273E+00
8.700E+03	4.409E+00	7.873E+02	7.415E+01	24.145E+00	3.646E+00	2.519E+01	1.344E+01	1.273E+00
8.800E+03	4.447E+00	8.035E+02	7.400E+01	24.735E+00	3.625E+00	2.494E+01	1.284E+01	1.273E+00
8.900E+03	4.489E+00	8.195E+02	7.380E+01	25.335E+00	3.601E+00	2.469E+01	1.224E+01	1.273E+00
9.000E+03	4.535E+00	8.353E+02	7.355E+01	25.945E+00	3.574E+00	2.444E+01	1.164E+01	1.273E+00
9.100E+03	4.585E+00	8.509E+02	7.325E+01	26.565E+00	3.544E+00	2.419E+01	1.104E+01	1.273E+00
9.200E+03	4.639E+00	8.663E+02	7.290E+01	27.195E+00	3.511E+00	2.394E+01	1.044E+01	1.273E+00
9.300E+03	4.697E+00	8.815E+02	7.250E+01	27.835E+00	3.475E+00	2.369E+01	9.84E+00	1.273E+00
9.400E+03	4.759E+00	8.965E+02	7.205E+01	28.485E+00	3.436E+00	2.344E+01	9.24E+00	1.273E+00
9.500E+03	4.825E+00	9.113E+02	7.155E+01	29.145E+00	3.394E+00	2.319E+01	8.64E+00	1.273E+00
9.600E+03	4.895E+00	9.259E+02	7.100E+01	29.815E+00	3.349E+00	2.294E+01	8.04E+00	1.273E+00
9.700E+03	4.969E+00	9.403E+02	7.040E+01	30.495E+00</				

TABLE I.- Continued

T	RHO/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
2.100E+04	1.560E+00	1.340E+03	9.269E+01	1.597E+01	4.705E+00	5.446E+01	4.174E+01	1.214E+00
2.200E+04	1.438E+00	1.479E+03	9.531E+01	1.661E+01	4.870E+00	5.897E+01	4.479E+01	1.212E+00
2.300E+04	1.328E+00	1.628E+03	9.799E+01	1.730E+01	5.047E+00	6.233E+01	4.683E+01	1.213E+00
2.400E+04	1.227E+00	1.783E+03	1.007E+02	1.802E+01	5.234E+00	6.434E+01	4.776E+01	1.217E+00
2.500E+04	1.136E+00	1.941E+03	1.033E+02	1.878E+01	5.425E+00	6.495E+01	4.762E+01	1.224E+00
2.600E+04	1.055E+00	2.099E+03	1.058E+02	1.956E+01	5.616E+00	6.428E+01	4.653E+01	1.233E+00
2.700E+04	9.836E-01	2.254E+03	1.082E+02	2.037E+01	5.803E+00	6.255E+01	4.471E+01	1.246E+00
2.800E+04	9.200E-01	2.404E+03	1.104E+02	2.118E+01	5.982E+00	6.037E+01	4.240E+01	1.260E+00
2.900E+04	8.638E-01	2.547E+03	1.124E+02	2.200E+01	6.152E+00	5.714E+01	3.985E+01	1.276E+00
3.000E+04	8.141E-01	2.682E+03	1.143E+02	2.282E+01	6.310E+00	5.405E+01	3.726E+01	1.294E+00
3.100E+04	7.699E-01	2.810E+03	1.160E+02	2.362E+01	6.457E+00	5.105E+01	3.482E+01	1.311E+00
3.200E+04	7.307E-01	2.931E+03	1.175E+02	2.441E+01	6.591E+00	4.831E+01	3.244E+01	1.329E+00
3.300E+04	6.955E-01	3.046E+03	1.190E+02	2.516E+01	6.714E+00	4.595E+01	3.011E+01	1.344E+00
3.400E+04	6.639E-01	3.156E+03	1.203E+02	2.588E+01	6.827E+00	4.405E+01	2.937E+01	1.357E+00
3.500E+04	6.352E-01	3.262E+03	1.216E+02	2.655E+01	6.931E+00	4.264E+01	2.835E+01	1.367E+00
3.600E+04	6.091E-01	3.365E+03	1.227E+02	2.717E+01	7.028E+00	4.175E+01	2.773E+01	1.372E+00
3.700E+04	5.851E-01	3.466E+03	1.239E+02	2.774E+01	7.118E+00	4.134E+01	2.751E+01	1.375E+00
3.800E+04	5.630E-01	3.567E+03	1.249E+02	2.827E+01	7.204E+00	4.140E+01	2.765E+01	1.374E+00
3.900E+04	5.424E-01	3.669E+03	1.260E+02	2.877E+01	7.286E+00	4.186E+01	2.810E+01	1.370E+00
4.000E+04	5.231E-01	3.773E+03	1.271E+02	2.925E+01	7.366E+00	4.264E+01	2.878E+01	1.366E+00
4.100E+04	5.049E-01	3.878E+03	1.281E+02	2.971E+01	7.444E+00	4.365E+01	2.912E+01	1.361E+00
4.200E+04	4.879E-01	3.987E+03	1.292E+02	3.017E+01	7.521E+00	4.477E+01	3.052E+01	1.356E+00
4.300E+04	4.717E-01	4.098E+03	1.303E+02	3.065E+01	7.598E+00	4.589E+01	3.140E+01	1.352E+00
4.400E+04	4.564E-01	4.212E+03	1.313E+02	3.113E+01	7.675E+00	4.691E+01	3.218E+01	1.350E+00
4.500E+04	4.418E-01	4.328E+03	1.324E+02	3.163E+01	7.751E+00	4.773E+01	3.279E+01	1.349E+00
4.600E+04	4.280E-01	4.447E+03	1.334E+02	3.214E+01	7.827E+00	4.829E+01	3.319E+01	1.350E+00
4.700E+04	4.150E-01	4.568E+03	1.345E+02	3.267E+01	7.901E+00	4.855E+01	3.336E+01	1.352E+00
4.800E+04	4.026E-01	4.685E+03	1.355E+02	3.321E+01	7.974E+00	4.853E+01	3.330E+01	1.356E+00
4.900E+04	3.909E-01	4.804E+03	1.365E+02	3.376E+01	8.045E+00	4.824E+01	3.305E+01	1.360E+00
5.000E+04	3.799E-01	4.922E+03	1.375E+02	3.432E+01	8.113E+00	4.774E+01	3.264E+01	1.366E+00

σ/PO = 4.00E+02

T	RHO/RHO-0	H/RTO	S/R	A/AU	Z	CP/R	CV/R	GAMMA
5.000E+02	3.009E+02	-5.412E+00	2.039E+01	1.180E+00	1.078E+00	1.054E+01	8.374E+00	1.215E+00
6.000E+02	2.221E+02	-2.020E+00	2.287E+01	1.370E+00	1.217E+00	1.710E+01	1.303E+01	1.209E+00
7.000E+02	1.616E+02	2.869E+00	2.592E+01	1.616E+00	1.434E+00	2.171E+01	1.579E+01	1.225E+00
8.000E+02	1.224E+02	8.136E+00	2.877E+01	1.879E+00	1.657E+00	1.997E+01	1.432E+01	1.253E+00
9.000E+02	9.942E+01	1.246E+01	3.084E+01	2.113E+00	1.813E+00	1.508E+01	1.089E+01	1.287E+00
1.000E+03	8.544E+01	1.570E+01	3.223E+01	2.305E+00	1.898E+00	1.147E+01	8.328E+00	1.317E+00
1.100E+03	7.549E+01	1.827E+01	3.322E+01	2.462E+00	1.942E+00	9.595E+00	6.995E+00	1.335E+00
1.200E+03	6.882E+01	2.052E+01	3.402E+01	2.594E+00	1.964E+00	8.722E+00	6.387E+00	1.343E+00
1.300E+03	6.313E+01	2.262E+01	3.470E+01	2.709E+00	1.977E+00	8.333E+00	6.133E+00	1.343E+00
1.400E+03	5.840E+01	2.465E+01	3.531E+01	2.814E+00	1.984E+00	8.125E+00	6.046E+00	1.341E+00
1.500E+03	5.439E+01	2.666E+01	3.588E+01	2.912E+00	1.988E+00	8.122E+00	6.039E+00	1.337E+00
1.600E+03	5.092E+01	2.867E+01	3.640E+01	3.005E+00	1.991E+00	8.127E+00	6.070E+00	1.333E+00
1.700E+03	4.787E+01	3.069E+01	3.690E+01	3.094E+00	1.993E+00	8.161E+00	6.120E+00	1.329E+00
1.800E+03	4.518E+01	3.271E+01	3.737E+01	3.180E+00	1.995E+00	8.211E+00	6.160E+00	1.325E+00
1.900E+03	4.278E+01	3.475E+01	3.782E+01	3.263E+00	1.996E+00	8.269E+00	6.246E+00	1.321E+00
2.000E+03	4.063E+01	3.681E+01	3.825E+01	3.344E+00	1.996E+00	8.335E+00	6.315E+00	1.317E+00
2.100E+03	3.868E+01	3.889E+01	3.866E+01	3.422E+00	1.997E+00	8.407E+00	6.390E+00	1.314E+00
2.200E+03	3.692E+01	4.098E+01	3.905E+01	3.498E+00	1.997E+00	8.488E+00	6.471E+00	1.310E+00
2.300E+03	3.530E+01	4.310E+01	3.944E+01	3.572E+00	1.998E+00	8.581E+00	6.562E+00	1.306E+00
2.400E+03	3.382E+01	4.524E+01	3.981E+01	3.643E+00	1.998E+00	8.689E+00	6.666E+00	1.302E+00
2.500E+03	3.246E+01	4.741E+01	4.017E+01	3.713E+00	1.999E+00	8.816E+00	6.785E+00	1.298E+00
2.600E+03	3.120E+01	4.962E+01	4.052E+01	3.780E+00	2.000E+00	8.966E+00	6.925E+00	1.293E+00
2.700E+03	3.003E+01	5.187E+01	4.086E+01	3.846E+00	2.001E+00	9.145E+00	7.084E+00	1.288E+00
2.800E+03	2.894E+01	5.417E+01	4.120E+01	3.910E+00	2.002E+00	9.357E+00	7.281E+00	1.283E+00
2.900E+03	2.792E+01	5.652E+01	4.154E+01	3.972E+00	2.004E+00	9.605E+00	7.504E+00	1.277E+00
3.000E+03	2.698E+01	5.895E+01	4.187E+01	4.035E+00	2.005E+00	9.895E+00	7.762E+00	1.272E+00
3.100E+03	2.605E+01	6.145E+01	4.221E+01	4.093E+00	2.008E+00	1.023E+01	8.057E+00	1.266E+00
3.200E+03	2.521E+01	6.404E+01	4.256E+01	4.152E+00	2.011E+00	1.061E+01	8.392E+00	1.260E+00
3.300E+03	2.440E+01	6.674E+01	4.288E+01	4.211E+00	2.015E+00	1.105E+01	8.768E+00	1.255E+00
3.400E+03	2.353E+01	6.954E+01	4.322E+01	4.269E+00	2.019E+00	1.154E+01	9.186E+00	1.249E+00
3.500E+03	2.289E+01	7.248E+01	4.357E+01	4.328E+00	2.024E+00	1.208E+01	9.646E+00	1.244E+00
3.600E+03	2.219E+01	7.556E+01	4.392E+01	4.388E+00	2.031E+00	1.268E+01	1.015E+01	1.239E+00
3.700E+03	2.151E+01	7.879E+01	4.428E+01	4.449E+00	2.038E+00	1.333E+01	1.069E+01	1.235E+00
3.800E+03	2.086E+01	8.220E+01	4.465E+01	4.511E+00	2.047E+00	1.404E+01	1.128E+01	1.231E+00
3.900E+03	2.023E+01	8.578E+01	4.503E+01	4.576E+00	2.056E+00	1.481E+01	1.190E+01	1.227E+00
4.000E+03	1.962E+01	8.956E+01	4.542E+01	4.640E+00	2.068E+00	1.563E+01	1.255E+01	1.224E+00
4.100E+03	1.902E+01	9.355E+01	4.582E+01	4.707E+00	2.080E+00	1.649E+01	1.324E+01	1.222E+00
4.200E+03	1.844E+01	9.776E+01	4.623E+01	4.776E+00	2.094E+00	1.741E+01	1.395E+01	1.220E+00
4.300E+03	1.788E+01	1.022E+02	4.665E+01	4.848E+00	2.110E+00	1.836E+01	1.468E+01	1.219E+00
4.400E+03	1.733E+01	1.069E+02	4.709E+01	4.922E+00	2.127E+00	1.935E+01	1.543E+01	1.218E+00
4.500E+03	1.679E+01	1.118E+02	4.754E+01	4.999E+00	2.146E+00	2.038E+01	1.619E+01	1.217E+00
4.600E+03	1.627E+01	1.170E+02	4.801E+01	5.078E+00	2.167E+00	2.142E+01	1.695E+01	1.217E+00
4.700E+03	1.576E+01	1.224E+02	4.848E+01	5.161E+00	2.190E+00	2.249E+01	1.772E+01	1.217E+00
4.800E+03	1.526E+01	1.281E+02	4.897E+01	5.248E+00	2.214E+00	2.356E+01	1.847E+01	1.216E+00

TABLE I.- Concluded

T	K4U/RHJ-1	H/NZU	S/R	A/AU	Z	CP/R	CV/R	GAMMA
4.900E+03	1.478E+01	1.341E+02	4.947E+01	5.333E+00	2.241E+00	2.463E+01	1.921E+01	1.219E+00
5.000E+03	1.430E+01	1.403E+02	4.998E+01	5.424E+00	2.269E+00	2.570E+01	1.993E+01	1.220E+00
5.200E+03	1.339E+01	1.536E+02	5.104E+01	5.612E+00	2.330E+00	2.775E+01	2.127E+01	1.223E+00
5.400E+03	1.253E+01	1.67C+02	5.212E+01	5.811E+00	2.397E+00	2.963E+01	2.243E+01	1.227E+00
5.600E+03	1.173E+01	1.828E+02	5.324E+01	6.019E+00	2.470E+00	3.125E+01	2.338E+01	1.232E+00
5.800E+03	1.098E+01	1.986E+02	5.436E+01	6.234E+00	2.547E+00	3.253E+01	2.407E+01	1.237E+00
6.000E+03	1.029E+01	2.148E+02	5.548E+01	6.454E+00	2.627E+00	3.342E+01	2.450E+01	1.243E+00
6.200E+03	9.650E+00	2.314E+02	5.659E+01	6.677E+00	2.708E+00	3.390E+01	2.465E+01	1.249E+00
6.400E+03	9.047E+00	2.482E+02	5.766E+01	6.900E+00	2.789E+00	3.398E+01	2.457E+01	1.255E+00
6.600E+03	8.569E+00	2.648E+02	5.871E+01	7.121E+00	2.868E+00	3.372E+01	2.428E+01	1.260E+00
6.800E+03	8.102E+00	2.813E+02	5.970E+01	7.337E+00	2.944E+00	3.320E+01	2.387E+01	1.265E+00
7.000E+03	7.642E+00	2.974E+02	6.066E+01	7.547E+00	3.017E+00	3.253E+01	2.338E+01	1.269E+00
7.200E+03	7.304E+00	3.132E+02	6.156E+01	7.750E+00	3.085E+00	3.179E+01	2.289E+01	1.272E+00
7.400E+03	6.964E+00	3.287E+02	6.242E+01	7.944E+00	3.148E+00	3.109E+01	2.244E+01	1.274E+00
7.600E+03	6.656E+00	3.438E+02	6.324E+01	8.130E+00	3.207E+00	3.048E+01	2.208E+01	1.276E+00
7.800E+03	6.376E+00	3.586E+02	6.402E+01	8.307E+00	3.262E+00	3.001E+01	2.183E+01	1.276E+00
8.000E+03	6.120E+00	3.732E+02	6.477E+01	8.478E+00	3.313E+00	2.968E+01	2.169E+01	1.276E+00
8.200E+03	5.885E+00	3.878E+02	6.550E+01	8.643E+00	3.361E+00	2.950E+01	2.165E+01	1.275E+00
8.400E+03	5.668E+00	4.022E+02	6.621E+01	8.804E+00	3.407E+00	2.942E+01	2.169E+01	1.274E+00
8.600E+03	5.467E+00	4.167E+02	6.690E+01	8.962E+00	3.450E+00	2.943E+01	2.177E+01	1.273E+00
8.800E+03	5.279E+00	4.311E+02	6.757E+01	9.118E+00	3.492E+00	2.946E+01	2.185E+01	1.273E+00
9.000E+03	5.104E+00	4.456E+02	6.823E+01	9.275E+00	3.532E+00	2.947E+01	2.191E+01	1.273E+00
9.200E+03	4.939E+00	4.601E+02	6.888E+01	9.432E+00	3.570E+00	2.942E+01	2.189E+01	1.274E+00
9.400E+03	4.785E+00	4.747E+02	6.951E+01	9.591E+00	3.607E+00	2.926E+01	2.187E+01	1.276E+00
9.600E+03	4.639E+00	4.884E+02	7.012E+01	9.751E+00	3.642E+00	2.896E+01	2.155E+01	1.279E+00
9.800E+03	4.503E+00	5.030E+02	7.071E+01	9.913E+00	3.676E+00	2.851E+01	2.119E+01	1.283E+00
1.000E+04	4.375E+00	5.168E+02	7.128E+01	1.008E+01	3.708E+00	2.790E+01	2.069E+01	1.288E+00
1.100E+04	4.261E+00	5.302E+02	7.174E+01	1.091E+01	3.839E+00	2.743E+01	1.710E+01	1.325E+00
1.200E+04	4.155E+00	5.445E+02	7.216E+01	1.166E+01	3.924E+00	1.980E+01	1.421E+01	1.360E+00
1.300E+04	4.057E+00	5.586E+02	7.254E+01	1.225E+01	3.980E+00	1.889E+01	1.359E+01	1.364E+00
1.400E+04	3.974E+00	5.724E+02	7.285E+01	1.268E+01	4.028E+00	1.818E+01	1.478E+01	1.342E+00
1.500E+04	3.895E+00	5.859E+02	7.311E+01	1.306E+01	4.078E+00	1.757E+01	1.717E+01	1.312E+00
1.600E+04	3.820E+00	5.991E+02	7.333E+01	1.344E+01	4.139E+00	1.688E+01	2.044E+01	1.284E+00
1.700E+04	3.748E+00	6.121E+02	7.351E+01	1.385E+01	4.214E+00	1.655E+01	2.435E+01	1.260E+00
1.800E+04	3.679E+00	6.248E+02	7.365E+01	1.430E+01	4.305E+00	1.704E+01	2.868E+01	1.242E+00
1.900E+04	3.613E+00	6.372E+02	7.375E+01	1.480E+01	4.414E+00	1.777E+01	3.315E+01	1.224E+00
2.000E+04	3.549E+00	6.493E+02	7.381E+01	1.534E+01	4.542E+00	1.848E+01	3.745E+01	1.219E+00
2.100E+04	3.487E+00	6.610E+02	7.384E+01	1.593E+01	4.687E+00	1.937E+01	4.128E+01	1.214E+00
2.200E+04	3.427E+00	6.724E+02	7.384E+01	1.657E+01	4.848E+00	2.029E+01	4.435E+01	1.211E+00
2.300E+04	3.368E+00	6.835E+02	7.381E+01	1.725E+01	5.022E+00	2.124E+01	4.643E+01	1.212E+00
2.400E+04	3.310E+00	6.942E+02	7.375E+01	1.796E+01	5.205E+00	2.221E+01	4.744E+01	1.215E+00
2.500E+04	3.253E+00	7.046E+02	7.365E+01	1.871E+01	5.393E+00	2.318E+01	4.739E+01	1.222E+00
2.600E+04	3.197E+00	7.147E+02	7.351E+01	1.949E+01	5.581E+00	2.414E+01	4.640E+01	1.231E+00
2.700E+04	3.142E+00	7.244E+02	7.333E+01	2.028E+01	5.766E+00	2.508E+01	4.467E+01	1.233E+00
2.800E+04	3.088E+00	7.338E+02	7.311E+01	2.109E+01	5.944E+00	2.599E+01	4.244E+01	1.257E+00
2.900E+04	3.035E+00	7.429E+02	7.285E+01	2.191E+01	6.113E+00	2.677E+01	3.995E+01	1.273E+00
3.000E+04	2.982E+00	7.517E+02	7.254E+01	2.272E+01	6.271E+00	2.741E+01	3.741E+01	1.291E+00
3.100E+04	2.930E+00	7.602E+02	7.216E+01	2.352E+01	6.418E+00	2.792E+01	3.499E+01	1.308E+00
3.200E+04	2.878E+00	7.684E+02	7.170E+01	2.430E+01	6.553E+00	2.831E+01	3.282E+01	1.325E+00
3.300E+04	2.826E+00	7.764E+02	7.118E+01	2.506E+01	6.676E+00	2.861E+01	3.098E+01	1.341E+00
3.400E+04	2.774E+00	7.841E+02	7.059E+01	2.578E+01	6.790E+00	2.891E+01	2.951E+01	1.354E+00
3.500E+04	2.722E+00	7.916E+02	6.995E+01	2.654E+01	6.895E+00	2.919E+01	2.845E+01	1.364E+00
3.600E+04	2.670E+00	7.991E+02	6.926E+01	2.708E+01	6.993E+00	2.944E+01	2.778E+01	1.371E+00
3.700E+04	2.618E+00	8.064E+02	6.851E+01	2.766E+01	7.084E+00	2.966E+01	2.751E+01	1.374E+00
3.800E+04	2.566E+00	8.135E+02	6.771E+01	2.820E+01	7.170E+00	2.984E+01	2.759E+01	1.375E+00
3.900E+04	2.514E+00	8.204E+02	6.686E+01	2.871E+01	7.253E+00	2.999E+01	2.797E+01	1.371E+00
4.000E+04	2.462E+00	8.271E+02	6.591E+01	2.919E+01	7.333E+00	2.984E+01	2.860E+01	1.374E+00
4.100E+04	2.410E+00	8.336E+02	6.486E+01	2.965E+01	7.412E+00	2.941E+01	2.940E+01	1.361E+00
4.200E+04	2.358E+00	8.400E+02	6.371E+01	3.012E+01	7.489E+00	2.850E+01	3.027E+01	1.357E+00
4.300E+04	2.306E+00	8.462E+02	6.246E+01	3.059E+01	7.567E+00	2.760E+01	3.114E+01	1.353E+00
4.400E+04	2.254E+00	8.523E+02	6.111E+01	3.107E+01	7.643E+00	2.662E+01	3.192E+01	1.351E+00
4.500E+04	2.202E+00	8.583E+02	5.974E+01	3.157E+01	7.720E+00	2.561E+01	3.255E+01	1.350E+00
4.600E+04	2.150E+00	8.641E+02	5.829E+01	3.208E+01	7.795E+00	2.458E+01	3.299E+01	1.350E+00
4.700E+04	2.098E+00	8.698E+02	5.676E+01	3.261E+01	7.870E+00	2.353E+01	3.320E+01	1.352E+00
4.800E+04	2.046E+00	8.754E+02	5.511E+01	3.314E+01	7.943E+00	2.247E+01	3.319E+01	1.355E+00
4.900E+04	1.994E+00	8.809E+02	5.336E+01	3.369E+01	8.014E+00	2.141E+01	3.299E+01	1.360E+00
5.000E+04	1.942E+00	8.863E+02	5.151E+01	3.424E+01	8.083E+00	2.034E+01	3.263E+01	1.365E+00

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE II. - MOLE FRACTIONS FOR AMMONIA

P/P0 = 1.00E-01

T	r	NH3	NH2	NH	N2H2	H	H2	H2O	H4
5.000E+02	0.	9.936E-03	3.140E-21	1.677E-14	0.	1.911E-20	7.425E-01	8.474E-19	8.659E-21
6.000E+02	0.	1.257E-03	2.424E-18	0.	1.162E-26	1.772E-16	7.491E-01	8.716E-19	4.414E-20
7.000E+02	0.	2.694E-04	2.699E-16	1.144E-24	4.352E-24	4.451E-14	7.498E-01	7.102E-19	1.324E-19
8.000E+02	0.	8.227E-05	9.094E-14	1.747E-21	3.678E-22	7.976E-12	7.499E-01	5.727E-19	7.688E-19
9.000E+02	0.	3.208E-05	1.348E-13	3.376E-19	1.179E-20	2.207E-10	7.500E-01	4.779E-19	4.141E-19
1.000E+03	0.	1.495E-05	1.270E-12	2.784E-17	1.763E-19	6.777E-09	7.500E-01	7.006E-19	4.747E-19
1.100E+03	0.	7.947E-06	7.154E-12	1.726E-15	1.667E-18	7.084E-08	7.500E-01	2.225E-19	6.771E-19
1.200E+03	0.	4.794E-06	3.132E-11	2.073E-14	1.388E-17	6.405E-07	7.500E-01	1.635E-19	4.873E-19
1.300E+03	0.	3.310E-06	1.794E-10	2.633E-13	5.238E-17	7.797E-06	7.500E-01	1.734E-19	7.733E-19
1.400E+03	0.	2.254E-06	3.144E-10	2.324E-12	2.093E-16	1.333E-05	7.500E-01	9.481E-20	7.471E-19
1.500E+03	0.	1.477E-06	8.029E-10	1.544E-11	6.862E-16	4.917E-05	7.500E-01	7.677E-20	7.717E-19
1.600E+03	3.223E-27	1.127E-05	1.873E-09	8.054E-11	2.465E-15	1.487E-04	7.499E-01	6.722E-20	7.862E-19
1.700E+03	1.014E-21	8.601E-07	3.474E-09	3.468E-09	4.890E-15	4.370E-04	7.499E-01	5.195E-20	7.969E-19
1.800E+03	4.893E-21	6.874E-07	6.973E-09	1.269E-09	1.269E-09	1.112E-04	7.499E-01	4.423E-20	8.074E-19
1.900E+03	6.347E-19	4.237E-07	1.271E-08	4.044E-09	2.327E-14	7.164E-07	7.499E-01	6.847E-20	1.464E-18
2.000E+03	1.271E-17	3.700E-07	2.074E-08	1.147E-08	4.305E-14	4.436E-07	7.461E-01	7.017E-19	1.233E-17
2.100E+03	1.187E-16	3.987E-07	3.207E-08	2.943E-08	8.194E-14	8.477E-08	7.474E-01	4.115E-18	1.159E-16
2.200E+03	9.313E-16	3.475E-07	4.874E-08	5.917E-08	1.607E-13	1.576E-07	7.465E-01	2.868E-17	9.018E-16
2.300E+03	6.171E-15	3.248E-07	6.967E-08	1.591E-07	2.297E-12	2.409E-07	7.477E-01	1.682E-16	4.924E-14
2.400E+03	3.473E-14	2.518E-07	9.685E-08	3.740E-07	3.546E-11	4.279E-07	7.470E-01	8.499E-16	3.331E-14
2.500E+03	1.474E-13	2.154E-07	1.267E-07	5.774E-07	5.774E-11	6.602E-07	7.469E-01	7.584E-16	1.670E-13
2.600E+03	7.373E-13	1.814E-07	1.647E-07	1.717E-06	7.332E-09	9.868E-07	7.467E-01	1.467E-14	7.051E-13
2.700E+03	3.781E-12	1.505E-07	2.038E-07	1.747E-06	9.773E-07	1.419E-06	7.465E-01	5.137E-14	2.778E-12
2.800E+03	4.704E-11	1.213E-07	2.725E-07	2.800E-06	1.776E-07	1.963E-06	7.463E-01	1.817E-13	9.441E-11
2.900E+03	3.000E-11	9.445E-08	2.676E-07	4.257E-06	1.480E-07	2.618E-06	7.461E-01	4.574E-13	3.743E-11
3.000E+03	1.935E-11	7.083E-08	2.494E-07	2.154E-06	1.154E-06	3.347E-06	7.460E-01	4.657E-13	8.918E-11
3.100E+03	7.444E-11	5.017E-08	2.521E-07	8.471E-06	1.787E-07	4.164E-06	7.458E-01	2.786E-12	2.415E-10
3.200E+03	6.147E-10	3.364E-08	2.446E-07	1.114E-05	1.994E-07	4.974E-06	7.456E-01	1.402E-11	4.084E-09
3.300E+03	1.447E-09	2.196E-08	2.154E-07	1.474E-05	1.732E-07	5.778E-06	7.454E-01	1.201E-11	1.474E-09
3.400E+03	3.374E-09	1.347E-08	2.146E-07	1.770E-05	1.591E-07	6.627E-06	7.452E-01	1.839E-11	2.277E-09
3.500E+03	6.716E-09	8.374E-09	1.974E-07	2.013E-05	1.413E-07	7.497E-06	7.450E-01	3.849E-11	6.437E-09
3.600E+03	1.340E-08	4.672E-09	1.644E-07	2.317E-05	1.224E-07	8.407E-06	7.447E-01	6.107E-11	1.117E-08
3.700E+03	2.581E-08	2.487E-09	1.357E-07	2.616E-05	1.046E-07	9.346E-06	7.445E-01	9.894E-11	2.448E-08
3.800E+03	4.710E-08	1.562E-09	1.094E-07	2.817E-05	8.855E-08	1.079E-05	7.443E-01	1.477E-10	4.497E-08
3.900E+03	4.464E-08	4.934E-10	8.857E-08	3.044E-05	7.478E-07	1.277E-05	7.441E-01	2.749E-10	8.179E-08
4.000E+03	1.442E-07	5.223E-10	3.468E-08	3.268E-05	6.315E-07	1.484E-05	7.439E-01	2.693E-10	1.475E-07
4.100E+03	2.478E-07	3.111E-10	7.943E-08	3.785E-05	5.444E-07	1.694E-05	7.437E-01	4.274E-10	2.405E-07
4.200E+03	3.954E-07	1.891E-10	4.774E-08	4.030E-05	4.924E-07	1.909E-05	7.435E-01	1.432E-09	3.947E-07
4.300E+03	6.114E-07	1.154E-10	3.917E-08	4.317E-05	3.167E-07	2.124E-05	7.433E-01	5.747E-10	5.974E-07
4.400E+03	9.894E-07	7.745E-11	3.274E-08	4.545E-05	2.369E-07	2.340E-05	7.431E-01	1.014E-09	9.807E-07
4.500E+03	1.578E-07	4.617E-11	2.678E-08	4.851E-05	2.895E-07	2.554E-05	7.429E-01	1.119E-09	1.501E-06
4.600E+03	2.194E-07	2.227E-11	2.227E-08	5.117E-05	2.473E-07	2.769E-05	7.427E-01	1.249E-09	2.194E-06
4.700E+03	3.387E-07	1.146E-11	1.654E-08	5.345E-05	2.081E-07	2.954E-05	7.425E-01	1.409E-09	3.330E-06
4.800E+03	4.931E-07	1.557E-11	1.157E-08	5.511E-05	1.766E-07	3.141E-05	7.423E-01	1.594E-09	4.893E-06
4.900E+03	7.741E-07	4.443E-12	7.36E-09	5.775E-05	1.511E-07	3.326E-05	7.421E-01	1.795E-09	6.917E-06
5.000E+03	1.103E-06	5.004E-12	1.107E-08	5.957E-05	1.279E-07	3.509E-05	7.419E-01	1.998E-09	9.745E-06
5.100E+03	1.539E-06	3.784E-12	7.748E-09	6.204E-05	1.070E-07	3.691E-05	7.417E-01	2.202E-09	1.384E-05
5.200E+03	2.154E-06	1.722E-12	5.464E-09	6.424E-05	8.793E-08	3.874E-05	7.415E-01	2.406E-09	1.905E-05
5.300E+03	3.094E-06	4.343E-13	3.894E-09	6.619E-05	7.177E-08	4.057E-05	7.413E-01	2.609E-09	2.544E-05
5.400E+03	4.384E-06	1.716E-13	2.672E-09	6.784E-05	5.845E-08	4.240E-05	7.411E-01	2.812E-09	3.393E-05
5.500E+03	6.074E-06	1.784E-13	1.716E-09	6.934E-05	4.847E-08	4.423E-05	7.409E-01	3.015E-09	4.544E-05
5.600E+03	8.270E-06	7.757E-14	1.144E-09	7.074E-05	3.947E-08	4.606E-05	7.407E-01	3.218E-09	6.004E-05
5.700E+03	1.116E-05	3.123E-14	7.144E-10	7.194E-05	3.241E-08	4.789E-05	7.405E-01	3.421E-09	7.974E-05
5.800E+03	1.464E-05	1.041E-14	4.847E-10	7.304E-05	2.737E-08	4.972E-05	7.403E-01	3.624E-09	1.060E-04
5.900E+03	1.972E-05	3.094E-14	3.244E-10	7.404E-05	2.315E-08	5.155E-05	7.401E-01	3.827E-09	1.419E-04
6.000E+03	2.644E-05	8.733E-15	2.187E-10	7.494E-05	1.984E-08	5.338E-05	7.399E-01	4.030E-09	1.847E-04
6.100E+03	3.491E-05	2.317E-14	1.542E-10	7.574E-05	1.735E-08	5.521E-05	7.397E-01	4.233E-09	2.394E-04
6.200E+03	4.617E-05	6.733E-15	1.032E-10	7.644E-05	1.554E-08	5.704E-05	7.395E-01	4.436E-09	3.147E-04
6.300E+03	6.027E-05	1.917E-14	6.827E-11	7.704E-05	1.417E-08	5.887E-05	7.393E-01	4.639E-09	4.096E-04
6.400E+03	7.724E-05	5.493E-15	4.622E-11	7.754E-05	1.311E-08	6.070E-05	7.391E-01	4.842E-09	5.340E-04
6.500E+03	9.807E-05	1.557E-14	3.244E-11	7.794E-05	1.224E-08	6.253E-05	7.389E-01	5.045E-09	7.024E-04
6.600E+03	1.267E-04	4.274E-15	2.240E-11	7.824E-05	1.147E-08	6.436E-05	7.387E-01	5.248E-09	9.204E-04
6.700E+03	1.647E-04	1.151E-14	1.517E-11	7.854E-05	1.080E-08	6.619E-05	7.385E-01	5.451E-09	1.194E-03
6.800E+03	2.137E-04	3.057E-15	1.037E-11	7.884E-05	1.020E-08	6.802E-05	7.383E-01	5.654E-09	1.554E-03
6.900E+03	2.767E-04	7.874E-15	7.177E-12	7.914E-05	9.660E-09	6.985E-05	7.381E-01	5.857E-09	2.034E-03
7.000E+03	3.577E-04	2.047E-14	5.084E-12	7.944E-05	9.177E-09	7.168E-05	7.379E-01	6.060E-09	2.664E-03
7.100E+03	4.617E-04	5.493E-15	3.540E-12	7.974E-05	8.744E-09	7.351E-05	7.377E-01	6.263E-09	3.544E-03
7.200E+03	5.947E-04	1.443E-14	2.440E-12	7.994E-05	8.351E-09	7.534E-05	7.375E-01	6.466E-09	4.644E-03
7.300E+03	7.627E-04	3.823E-15	1.717E-12	8.014E-05	7.994E-09	7.717E-05	7.373E-01	6.669E-09	6.044E-03
7.400E+03	9.807E-04	1.041E-14	1.217E-12	8.034E-05	7.694E-09	7.900E-05	7.371E-01	6.872E-09	7.844E-03
7.500E+03	1.267E-03	2.767E-15	8.622E-13	8.054E-05	7.434E-09	8.083E-05	7.369E-01	7.075E-09	1.034E-02
7.600E+03	1.647E-03	7.177E-15	6.027E-13	8.074E-05	7.214E-09	8.266E-05	7.367E-01	7.278E-09	1.354E-02
7.700E+03	2.137E-03	1.817E-14	4.274E-13	8.094E-05	7.024E-09	8.449E-05	7.365E-01	7.481E-09	1.774E-02
7.800E+03	2.767E-03	4.617E-15	3.057E-13	8.114E-05	6.854E-09	8.632E-05	7.363E-01	7.684E-09	2.314E-02
7.900E+03	3.577E-03	1.151E-14	2.187E-13	8.134E-05	6.704E-09	8.815E-05	7.361E-01	7.887E-09	3.014E-02
8.000E+03	4.617E-03	3.057E-15	1.542E-13	8.154E-05	6.564E-09	9.000E-05	7.359E-01	8.090E-09	3.914E-02
8.100E+03	5.947E-03	7.874E-15	1.037E-13	8.174E-05	6.434E-09	9.183E-05	7.357E-01	8.293E-09	5.064E-02
8.200E+03	7.627E-03	2.047E-14	7.177E-14	8.194E-05	6.314E-09	9.366E-05	7.355E-01	8.496E-09	6.564E-02
8.300E+03	9.807E-03	5.493E-15	5.084E-14	8.214E-05	6.204E-09	9.549E-05	7.353E-01	8.699E-09	8.564E-02
8.400E+03	1.267E-02	1.443E-14	3.540E-14	8.234E-05	6.104E-09	9.732E-05	7.351E-01	8.902E-09	1.114E-01
8.500E+03	1.647E-02	3.823E-15	2.440E-14	8.254E-05	6.014E-09	9.915E-05	7.349E-01	9.105E-09	1.454E-01
8.600E+03	2.137E-02	1.041E-14	1.717E-14	8.274E-05	5.934E-09	1.0098E-04	7.347E-01	9.308E-09	1.874E-01
8.700E+03	2.767E-02	2.767E-15	1.217E-14	8.294E-05	5.864E-09	1.0281E-04	7.345E-01	9.511E-09	2.454E-01
8.800E+03	3.577E-02	7.177E-15	8.622E-15	8.314E-05	5.804E-09	1.0464E-04	7.343E-01	9.714E-09	3.214E-01
8.900E+03	4.617E-02	1.817E-14	6.027E-15	8.334E-05	5.754E-				

TABLE II.- Continued

P/PD = 1.00E-01

M	N	N2	N2+	N3	N-	N++	N+++	N++++	T
0.	0.	2.475E-01	4.049E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.497E-01	6.904E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.499E-01	9.285E-21	0.	0.	0.	0.	0.	7.000E+02
0.	2.867E-28	2.500E-01	1.020E-20	0.	0.	0.	0.	0.	8.000E+02
0.	8.103E-25	2.500E-01	9.658E-21	0.	0.	0.	0.	0.	9.000E+02
0.	4.703E-22	2.500E-01	8.385E-21	0.	0.	0.	0.	0.	1.000E+03
0.	8.645E-20	2.500E-01	7.011E-21	0.	0.	0.	0.	0.	1.100E+03
0.	6.661E-18	2.500E-01	5.811E-21	4.326E-33	0.	0.	0.	0.	1.200E+03
0.	2.644E-16	2.500E-01	4.842E-21	6.524E-32	0.	0.	0.	0.	1.300E+03
0.	6.217E-15	2.500E-01	4.081E-21	6.604E-31	0.	0.	0.	0.	1.400E+03
0.	9.615E-14	2.500E-01	3.486E-21	4.869E-30	0.	0.	0.	0.	1.500E+03
0.	1.055E-12	2.500E-01	3.018E-21	2.783E-29	0.	0.	0.	0.	1.600E+03
0.	8.749E-12	2.499E-01	2.635E-21	1.291E-28	0.	0.	0.	0.	1.700E+03
3.240E-25	5.778E-11	2.499E-01	2.357E-21	5.065E-28	0.	0.	0.	0.	1.800E+03
6.880E-23	3.118E-10	2.497E-01	3.790E-21	3.070E-27	1.742E-31	0.	0.	0.	1.900E+03
1.723E-21	1.423E-09	2.494E-01	2.869E-20	7.881E-26	1.281E-29	0.	0.	0.	2.000E+03
4.342E-20	5.619E-09	2.489E-01	2.432E-19	1.921E-24	4.645E-28	0.	0.	0.	2.100E+03
2.442E-19	1.959E-08	2.481E-01	1.743E-18	3.887E-23	1.177E-26	0.	0.	0.	2.200E+03
2.062E-18	6.121E-08	2.467E-01	1.097E-17	5.501E-22	2.238E-25	0.	0.	0.	2.300E+03
1.444E-17	1.738E-07	2.447E-01	5.521E-17	6.572E-21	3.312E-24	0.	0.	0.	2.400E+03
4.577E-17	4.531E-07	2.417E-01	2.529E-16	6.457E-20	3.926E-23	0.	0.	0.	2.500E+03
4.304E-16	1.045E-06	2.377E-01	1.031E-15	5.337E-19	3.818E-22	0.	0.	0.	2.600E+03
1.954E-15	2.470E-06	2.323E-01	3.773E-15	3.745E-18	3.707E-21	0.	0.	0.	2.700E+03
7.735E-15	5.237E-06	2.255E-01	1.262E-14	2.343E-17	2.152E-20	0.	0.	0.	2.800E+03
2.692E-14	1.050E-05	2.173E-01	3.883E-14	1.285E-16	1.287E-19	0.	0.	0.	2.900E+03
8.412E-14	2.001E-05	2.079E-01	1.110E-13	6.328E-16	6.733E-19	0.	0.	0.	3.000E+03
4.365E-13	3.643E-05	1.979E-01	2.994E-13	2.834E-15	3.117E-18	0.	0.	0.	3.100E+03
6.013E-13	6.372E-05	1.878E-01	7.614E-13	1.167E-14	1.291E-17	0.	0.	0.	3.200E+03
1.393E-12	1.376E-04	1.782E-01	1.849E-12	4.465E-14	4.634E-17	0.	0.	0.	3.300E+03
2.961E-12	1.763E-04	1.697E-01	4.321E-12	1.600E-13	1.652E-16	0.	0.	0.	3.400E+03
5.835E-12	2.814E-04	1.627E-01	9.775E-12	5.409E-13	5.222E-16	0.	0.	0.	3.500E+03
1.077E-11	4.389E-04	1.571E-01	2.147E-11	1.726E-12	1.540E-15	0.	0.	0.	3.600E+03
1.880E-11	6.703E-04	1.529E-01	4.583E-11	5.238E-12	4.256E-15	0.	0.	0.	3.700E+03
3.133E-11	1.004E-03	1.497E-01	9.513E-11	1.513E-11	1.111E-14	0.	0.	0.	3.800E+03
5.024E-11	1.478E-03	1.473E-01	1.919E-10	4.165E-11	2.753E-14	0.	0.	0.	3.900E+03
7.799E-11	2.131E-03	1.455E-01	3.762E-10	1.096E-10	6.508E-14	0.	0.	0.	4.000E+03
1.177E-10	3.028E-03	1.439E-01	7.169E-10	2.758E-10	1.473E-13	0.	0.	0.	4.100E+03
1.735E-10	4.226E-03	1.425E-01	1.329E-09	6.661E-10	3.200E-13	0.	0.	0.	4.200E+03
2.502E-10	5.811E-03	1.410E-01	2.398E-09	1.546E-09	6.697E-13	0.	0.	0.	4.300E+03
3.539E-10	7.872E-03	1.395E-01	4.207E-09	3.454E-09	1.353E-12	0.	0.	0.	4.400E+03
4.919E-10	1.091E-02	1.377E-01	7.200E-09	7.444E-09	2.644E-12	0.	0.	0.	4.500E+03
6.727E-10	1.384E-02	1.358E-01	1.201E-08	1.554E-08	5.006E-12	0.	0.	0.	4.600E+03
9.065E-10	1.798E-02	1.331E-01	1.956E-08	3.137E-08	9.204E-12	0.	0.	0.	4.700E+03
1.205E-09	2.308E-02	1.300E-01	3.109E-08	6.137E-08	1.645E-11	0.	0.	0.	4.800E+03
1.580E-09	2.919E-02	1.265E-01	4.823E-08	1.166E-07	2.861E-11	0.	0.	0.	4.900E+03
2.048E-09	3.647E-02	1.222E-01	7.050E-08	2.151E-07	4.852E-11	0.	0.	0.	5.000E+03
3.328E-09	5.462E-02	1.117E-01	1.159E-07	6.743E-07	1.294E-10	0.	0.	0.	5.200E+03
5.194E-09	7.824E-02	9.822E-02	3.014E-07	1.902E-06	3.138E-10	0.	0.	0.	5.400E+03
7.824E-09	1.095E-01	8.236E-02	5.259E-07	4.843E-06	6.946E-10	1.781E-24	0.	0.	5.600E+03
1.143E-08	1.358E-01	6.527E-02	8.253E-07	1.118E-05	1.407E-09	2.174E-23	0.	0.	5.800E+03
1.627E-08	1.649E-01	4.863E-02	1.165E-06	2.349E-05	2.617E-09	2.162E-22	0.	0.	6.000E+03
2.263E-08	1.902E-01	3.412E-02	1.485E-06	4.527E-05	4.496E-09	1.786E-20	0.	0.	6.200E+03
3.086E-08	2.099E-01	2.278E-02	1.747E-06	8.091E-05	7.148E-09	1.248E-20	0.	0.	6.400E+03
4.134E-08	2.240E-01	1.471E-02	1.919E-06	1.358E-04	1.087E-08	7.556E-20	0.	0.	6.600E+03
5.445E-08	2.332E-01	9.337E-03	2.015E-06	2.170E-04	1.566E-08	4.341E-19	0.	0.	6.800E+03
7.061E-08	2.384E-01	5.910E+03	2.053E-06	3.332E-04	2.177E-08	1.942E-18	0.	0.	7.000E+03
9.018E-08	2.424E-01	3.765E-03	2.055E-06	4.956E-04	2.938E-08	8.493E-18	0.	0.	7.200E+03
1.135E-07	2.443E-01	2.426E-03	2.036E-06	7.180E-04	3.875E-08	3.417E-17	0.	0.	7.400E+03
1.401E-07	2.452E-01	1.585E-03	2.000E-06	1.017E-03	5.307E-08	1.275E-16	0.	0.	7.600E+03
1.730E-07	2.454E-01	1.052E-03	1.959E-06	1.413E-03	6.359E-08	4.466E-16	0.	0.	7.800E+03
2.056E-07	2.456E-01	7.080E-04	1.912E-06	1.928E-03	7.947E-08	1.456E-15	0.	0.	8.000E+03
2.508E-07	2.442E-01	4.833E-04	1.862E-06	2.586E-03	9.788E-08	4.498E-15	0.	0.	8.200E+03
2.964E-07	2.429E-01	3.342E-04	1.810E-06	3.423E-03	1.189E-07	1.311E-14	0.	0.	8.400E+03
3.477E-07	2.412E-01	2.338E-04	1.754E-06	4.464E-03	1.425E-07	3.673E-14	0.	0.	8.600E+03
4.024E-07	2.390E-01	1.652E-04	1.696E-06	5.746E-03	1.687E-07	9.776E-14	0.	0.	8.800E+03
4.620E-07	2.362E-01	1.178E-04	1.635E-06	7.303E-03	1.973E-07	2.492E-13	0.	0.	9.000E+03
5.273E-07	2.329E-01	8.465E-05	1.576E-06	9.167E-03	2.279E-07	6.100E-13	0.	0.	9.200E+03
5.890E-07	2.290E-01	6.117E-05	1.502E-06	1.138E-02	2.603E-07	1.438E-12	0.	0.	9.400E+03
6.548E-07	2.246E-01	4.441E-05	1.430E-06	1.397E-02	2.931E-07	3.270E-12	0.	0.	9.600E+03
7.204E-07	2.191E-01	3.233E-05	1.354E-06	1.697E-02	3.263E-07	7.192E-12	0.	0.	9.800E+03
7.842E-07	2.130E-01	2.356E-05	1.275E-06	2.039E-02	3.588E-07	1.532E-11	0.	0.	1.000E+04
1.013E-06	1.709E-01	4.729E-06	8.356E-07	4.393E-02	4.729E-07	4.432E-10	0.	0.	1.100E+04
9.607E-07	1.153E-01	8.026E-07	4.194E-07	7.413E-02	4.333E-07	7.167E-09	0.	0.	1.200E+04
6.527E-07	3.371E-02	1.053E-07	1.555E-07	.001E-01	2.725E-07	7.447E-08	1.858E-21	0.	1.300E+04
3.331E-07	3.328E-02	1.165E-08	4.616E-08	1.149E-01	1.278E-07	5.511E-07	2.806E-19	0.	1.400E+04
1.443E-07	1.368E-02	1.237E-09	1.288E-08	1.210E-01	5.209E-08	3.185E-06	2.417E-17	0.	1.500E+04
5.987E-08	6.347E-03	1.519E-10	3.785E-09	1.233E-01	7.390E-08	1.514E-05	1.287E-15	0.	1.600E+04
2.541E-08	3.118E-03	2.230E-11	1.222E-09	1.242E-01	8.758E-08	6.096E-05	4.498E-14	0.	1.700E+04
1.166E-08	1.632E-03	3.912E-12	4.354E-10	1.244E-01	3.901E-08	2.127E-04	1.391E-12	0.	1.800E+04
5.456E-09	9.091E-04	8.050E-13	1.692E-10	1.241E-01	1.848E-08	6.552E-04	1.428E-11	0.	1.900E+04
2.750E-09	5.279E-04	1.893E-13	7.057E-11	1.229E-01	9.238E-09	1.804E-03	2.583E-10	0.	2.000E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.120E+04	5.312E-01	2.986E-17	6.147E-17	7.321E-17	0.	1.753E-07	4.207E-17	2.058E-09	7.723E-01
2.220E+04	5.323E-01	3.213E-17	1.148E-17	2.416E-17	0.	1.142E-03	3.209E-13	1.199E-09	3.706E-01
2.320E+04	5.334E-01	3.491E-17	2.325E-17	8.943E-17	0.	7.779E-04	1.710E-17	7.271E-10	3.677E-01
2.420E+04	5.345E-01	5.175E-17	4.974E-17	3.195E-17	0.	5.472E-04	4.890E-14	4.496E-10	3.671E-01
2.520E+04	5.356E-01	7.209E-17	1.762E-17	1.122E-17	0.	3.935E-04	2.171E-14	2.873E-10	3.588E-01
2.620E+04	5.367E-01	1.344E-16	2.312E-17	3.851E-15	0.	2.937E-04	9.534E-15	1.988E-10	3.496E-01
2.720E+04	5.378E-01	1.577E-17	5.111E-17	1.305E-15	0.	2.244E-04	4.547E-15	1.276E-10	3.444E-01
2.820E+04	5.389E-01	0.	1.148E-17	4.443E-15	0.	1.757E-04	3.769E-15	8.857E-11	3.406E-01
2.920E+04	5.400E-01	0.	2.794E-17	1.544E-16	0.	1.406E-04	1.181E-15	6.296E-11	3.380E-01
3.020E+04	5.411E-01	0.	7.377E-17	5.444E-17	0.	1.147E-04	6.378E-16	4.578E-11	3.362E-01
3.120E+04	5.422E-01	0.	1.377E-17	2.072E-17	0.	9.513E-05	3.567E-16	3.388E-11	3.350E-01
3.220E+04	5.433E-01	0.	5.316E-17	8.264E-17	0.	8.207E-05	2.344E-16	2.480E-11	3.341E-01
3.320E+04	5.444E-01	0.	1.536E-17	3.746E-17	0.	6.829E-05	1.717E-16	1.947E-11	3.337E-01
3.420E+04	5.455E-01	0.	4.799E-17	1.353E-18	0.	5.401E-05	7.470E-17	1.536E-11	3.332E-01
3.520E+04	5.466E-01	0.	1.627E-17	7.917E-19	0.	4.172E-05	4.607E-17	1.177E-11	3.328E-01
3.620E+04	5.477E-01	0.	5.471E-17	2.525E-19	0.	3.451E-05	2.925E-17	9.281E-12	3.325E-01
3.720E+04	5.488E-01	0.	1.812E-17	1.177E-19	0.	3.065E-05	1.894E-17	7.378E-12	3.268E-01
3.820E+04	5.499E-01	0.	6.551E-17	4.703E-19	0.	2.622E-05	1.246E-17	4.994E-12	3.228E-01
3.920E+04	5.510E-01	0.	2.219E-17	2.178E-20	0.	2.168E-05	8.367E-18	4.764E-12	3.207E-01
4.020E+04	5.521E-01	0.	5.035E-17	1.397E-21	0.	2.048E-05	5.694E-18	3.876E-12	3.176E-01
4.120E+04	5.532E-01	0.	1.416E-17	4.061E-21	0.	1.812E-05	3.934E-18	3.148E-12	3.173E-01
4.220E+04	5.543E-01	0.	4.303E-17	1.740E-21	0.	2.379E-05	3.375E-18	3.746E-12	3.107E-01
4.320E+04	5.554E-01	0.	1.193E-17	7.811E-22	0.	2.177E-05	1.985E-18	3.179E-12	3.078E-01
4.420E+04	5.565E-01	0.	3.752E-17	3.528E-22	0.	2.301E-05	1.470E-18	3.879E-12	3.057E-01
4.520E+04	5.576E-01	0.	1.141E-17	1.619E-22	0.	1.944E-05	1.378E-18	3.464E-12	3.047E-01
4.620E+04	5.587E-01	0.	3.283E-17	7.243E-23	0.	1.778E-05	7.576E-19	3.171E-12	3.028E-01
4.720E+04	5.598E-01	0.	9.233E-17	3.237E-23	0.	1.586E-05	5.644E-19	3.128E-12	3.018E-01
4.820E+04	5.609E-01	0.	2.644E-17	1.294E-23	0.	1.476E-05	4.747E-19	3.713E-12	3.006E-01
4.920E+04	5.620E-01	0.	7.507E-17	5.971E-24	0.	1.378E-05	3.274E-19	4.472E-12	2.995E-01
5.020E+04	5.631E-01	0.	2.174E-17	2.745E-24	0.	1.280E-05	2.464E-19	7.794E-12	2.983E-01

1.70 = 4.00E-01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.120E+02	0.	4.612E-02	4.469E-21	1.541E-34	5.264E-29	8.389E-21	7.154E-01	8.825E-19	4.109E-21
5.220E+02	0.	6.220E-03	5.369E-18	8.951E-29	5.755E-26	5.674E-17	7.453E-01	8.293E-19	2.048E-20
5.320E+02	0.	1.344E-03	6.025E-16	1.143E-24	2.171E-23	3.107E-16	7.490E-01	7.777E-19	6.487E-20
5.420E+02	0.	4.104E-04	2.033E-14	1.364E-21	1.818E-21	3.557E-12	7.497E-01	6.939E-19	1.457E-19
5.520E+02	0.	1.603E-04	3.133E-13	3.388E-19	5.645E-20	1.434E-10	7.499E-01	5.852E-19	2.533E-19
5.620E+02	0.	7.476E-05	2.727E-12	2.784E-17	8.270E-19	2.783E-09	7.499E-01	4.724E-19	3.662E-19
5.720E+02	0.	3.943E-05	1.408E-11	1.026E-15	8.375E-18	3.148E-08	7.500E-01	3.732E-19	4.667E-19
5.820E+02	0.	2.352E-05	7.032E-11	2.073E-14	5.440E-17	2.417E-07	7.500E-01	2.955E-19	5.477E-19
5.920E+02	0.	1.505E-05	2.447E-10	2.636E-13	2.669E-16	1.354E-06	7.500E-01	2.324E-19	6.098E-19
6.020E+02	0.	1.027E-05	7.119E-10	2.333E-12	1.046E-15	5.954E-06	7.500E-01	1.871E-19	6.565E-19
6.120E+02	3.874E-31	7.383E-06	1.795E-09	1.544E-11	3.431E-15	2.154E-05	7.500E-01	1.530E-19	6.916E-19
6.220E+02	4.720E-24	5.538E-06	4.032E-09	8.065E-11	9.724E-15	6.652E-05	7.499E-01	1.273E-19	7.181E-19
6.320E+02	9.246E-25	4.303E-06	8.230E-09	3.469E-10	2.444E-14	1.802E-04	7.498E-01	1.076E-19	7.384E-19
6.420E+02	4.665E-22	3.443E-06	1.591E-08	1.269E-09	5.564E-14	4.379E-04	7.498E-01	9.244E-20	7.545E-19
6.520E+02	1.044E-19	2.823E-06	2.735E-08	4.048E-09	1.163E-13	9.700E-04	7.491E-01	8.997E-20	8.604E-19
6.620E+02	3.412E-18	2.362E-06	4.557E-08	1.150E-08	2.242E-13	1.987E-03	7.483E-01	3.543E-19	3.889E-18
6.720E+02	3.634E-17	2.009E-06	7.210E-08	2.955E-08	4.130E-13	3.802E-03	7.467E-01	2.729E-18	3.401E-17
6.820E+02	2.844E-16	1.732E-06	1.091E-07	6.961E-08	7.137E-13	6.859E-03	7.440E-01	1.889E-17	2.654E-16
6.920E+02	1.865E-15	1.509E-06	1.593E-07	1.520E-07	1.174E-12	1.175E-02	7.397E-01	1.122E-16	1.748E-15
7.020E+02	1.047E-14	1.321E-06	2.241E-07	3.101E-07	1.845E-12	1.923E-02	7.332E-01	5.705E-16	9.872E-15
7.120E+02	5.125E-14	1.161E-06	3.350E-07	5.954E-07	2.782E-12	3.019E-02	7.236E-01	2.564E-15	4.857E-14
7.220E+02	2.221E-13	1.020E-06	4.020E-07	1.083E-06	4.031E-12	4.565E-02	7.101E-01	1.021E-14	2.115E-13
7.320E+02	8.634E-13	8.973E-07	5.137E-07	1.874E-06	5.614E-12	6.669E-02	6.916E-01	3.653E-14	8.259E-13
7.420E+02	3.044E-12	7.734E-07	6.366E-07	3.092E-06	7.538E-12	9.433E-02	6.675E-01	1.180E-13	2.923E-12
7.520E+02	9.421E-12	6.620E-07	7.645E-07	4.883E-06	9.733E-12	1.294E-01	6.368E-01	3.518E-13	9.444E-12
7.620E+02	2.923E-11	5.569E-07	8.894E-07	7.395E-06	1.208E-11	1.724E-01	5.991E-01	9.603E-13	2.826E-11
7.720E+02	4.078E-11	4.583E-07	1.000E-06	1.076E-05	1.442E-11	2.233E-01	5.544E-01	2.424E-12	7.836E-11
7.820E+02	2.384E-10	3.675E-07	1.087E-06	1.507E-05	1.652E-11	2.814E-01	5.038E-01	5.684E-12	2.029E-10
7.920E+02	5.057E-10	2.861E-07	1.141E-06	2.033E-05	1.817E-11	3.450E-01	4.481E-01	1.242E-11	4.934E-10
8.020E+02	1.157E-09	2.157E-07	1.155E-06	2.669E-05	1.917E-11	4.118E-01	3.896E-01	2.540E-11	1.132E-09
8.120E+02	2.506E-09	1.572E-07	1.130E-06	3.138E-05	1.948E-11	4.791E-01	3.307E-01	4.274E-11	2.459E-09
8.220E+02	5.165E-09	1.109E-07	1.069E-06	4.080E-05	1.909E-11	5.431E-01	2.741E-01	6.811E-11	5.079E-09
8.320E+02	1.014E-08	7.594E-08	9.815E-07	4.853E-05	1.805E-11	6.031E-01	2.222E-01	1.507E-10	1.002E-08
8.420E+02	1.918E-08	5.069E-08	8.782E-07	5.636E-05	1.676E-11	6.552E-01	1.765E-01	2.452E-10	1.893E-08
8.520E+02	3.481E-08	3.194E-08	7.696E-07	6.415E-05	1.518E-11	6.991E-01	1.380E-01	3.814E-10	3.441E-08
8.620E+02	6.133E-08	2.145E-08	6.640E-07	7.182E-05	1.354E-11	7.347E-01	1.067E-01	5.705E-10	6.039E-08
8.720E+02	1.037E-07	1.378E-08	5.667E-07	7.933E-05	1.194E-11	7.629E-01	8.188E-02	6.253E-10	1.027E-07
8.820E+02	1.713E-07	8.849E-09	4.804E-07	8.667E-05	1.049E-11	7.847E-01	6.245E-02	1.160E-09	1.667E-07
8.920E+02	2.758E-07	5.703E-09	4.059E-07	9.386E-05	9.171E-12	8.012E-01	4.795E-02	1.593E-09	2.733E-07
9.020E+02	4.340E-07	3.701E-09	3.426E-07	1.009E-05	8.008E-12	8.135E-01	3.680E-02	2.141E-09	4.299E-07
9.120E+02	6.687E-07	2.425E-09	2.894E-07	1.078E-05	6.992E-12	8.226E-01	2.837E-02	2.828E-09	6.619E-07
9.220E+02	1.010E-06	1.605E-09	2.450E-07	1.146E-05	6.111E-12	8.292E-01	2.201E-02	3.994E-09	9.994E-07
9.320E+02	1.520E-06	1.074E-09	2.078E-07	1.212E-05	5.344E-12	8.339E-01	1.718E-02	4.716E-09	1.482E-06
9.420E+02	2.141E-06	7.271E-10	1.768E-07	1.276E-05	4.662E-12	8.371E-01	1.351E-02	5.974E-09	2.160E-06

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE II. - Continued

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.461E-09	3.189E-04	4.926E-14	3.075E-11	1.199E-01	4.815E-10	4.465E-03	2.499E-09	0.	2.100E+04
8.146E-10	1.964E-04	1.361E-14	1.394E-11	1.130E-01	2.580E-10	9.907E-03	2.223E-08	0.	2.200E+04
4.754E-10	1.205E-04	3.801E-15	5.760E-12	1.331E-01	1.387E-10	1.950E-02	1.455E-07	0.	2.300E+04
2.891E-10	7.182E-05	1.015E-15	2.256E-12	8.720E-02	7.306E-11	7.700E-02	7.555E-07	0.	2.400E+04
1.822E-10	4.088E-05	2.504E-16	7.887E-13	6.812E-02	6.812E-02	3.699E-11	5.057E-02	3.149E-06	2.500E+04
1.183E-10	2.218E-05	5.674E-17	2.456E-13	4.931E-02	1.780E-11	4.770E-02	1.076E-05	0.	2.600E+04
7.885E-11	1.158E-05	1.203E-17	7.037E-14	3.367E-02	8.342E-12	8.175E-02	3.132E-05	0.	2.700E+04
5.379E-11	5.948E-06	2.483E-18	1.929E-14	2.219E-02	3.817E-12	9.316E-02	8.646E-05	0.	2.800E+04
3.753E-11	3.081E-06	5.179E-19	5.258E-15	1.441E-02	1.760E-12	9.611E-02	1.878E-04	0.	2.900E+04
2.677E-11	1.599E-06	1.119E-19	1.465E-15	9.352E-03	8.226E-13	1.024E-01	4.066E-04	0.	3.000E+04
1.951E-11	8.540E-07	2.545E-20	4.234E-16	6.116E-03	3.939E-13	1.348E-01	8.280E-04	0.	3.100E+04
1.452E-11	4.672E-07	6.108E-21	1.276E-16	4.045E-03	1.938E-13	1.057E-01	1.600E-03	0.	3.200E+04
1.104E-11	2.616E-07	1.545E-21	4.005E-17	2.705E-03	9.794E-14	1.154E-01	2.944E-03	1.503E-08	3.300E+04
8.598E-12	1.494E-07	4.047E-22	1.301E-17	1.825E-03	5.078E-14	1.037E-01	5.173E-03	6.188E-08	3.400E+04
6.767E-12	8.660E-08	1.119E-22	4.324E-18	1.236E-03	2.671E-14	1.304E-01	8.464E-03	2.314E-07	3.500E+04
5.451E-12	5.258E-08	3.128E-23	1.456E-18	8.349E-04	1.425E-14	9.505E-02	1.179E-02	7.861E-07	3.600E+04
4.476E-12	2.951E-08	8.788E-24	4.872E-19	5.589E-04	7.631E-15	6.759E-02	2.078E-02	7.475E-06	3.700E+04
3.726E-12	1.708E-08	2.481E-24	1.600E-19	3.681E-04	4.312E-15	7.747E-02	2.953E-02	6.795E-06	3.800E+04
3.152E-12	9.749E-09	6.630E-25	5.094E-20	2.374E-04	2.374E-15	4.656E-02	3.453E-02	1.732E-05	3.900E+04
2.703E-12	5.469E-09	1.749E-25	1.566E-20	1.497E-04	1.120E-15	5.542E-02	4.996E-02	4.035E-05	4.000E+04
2.344E-12	3.017E-09	4.484E-26	4.664E-21	9.241E-05	5.745E-16	4.435E-02	5.942E-02	8.669E-05	4.100E+04
2.056E-12	1.642E-09	1.125E-26	1.365E-21	5.609E-05	2.914E-16	3.451E-02	6.870E-02	1.735E-04	4.200E+04
1.816E-12	8.866E-10	2.784E-27	3.834E-22	3.388E-05	1.467E-16	2.630E-02	7.595E-02	3.266E-04	4.300E+04
1.618E-12	4.773E-10	6.916E-28	1.085E-22	2.013E-05	7.377E-17	1.476E-02	8.156E-02	5.843E-04	4.400E+04
1.452E-12	2.577E-10	1.732E-28	3.109E-23	1.204E-05	3.727E-17	1.471E-02	8.565E-02	1.701E-03	4.500E+04
1.311E-12	1.399E-10	0.	9.304E-24	7.224E-06	1.896E-17	1.050E-02	8.837E-02	1.411E-03	4.600E+04
1.191E-12	7.665E-11	0.	2.653E-24	4.386E-06	9.740E-18	8.065E-03	8.984E-02	2.634E-03	4.700E+04
1.097E-12	4.237E-11	0.	7.972E-25	2.657E-06	5.059E-18	5.958E-03	9.158E-02	4.675E-03	4.800E+04
9.970E-13	2.462E-11	8.292E-31	2.435E-25	1.628E-06	2.655E-18	4.194E-03	8.431E-02	6.118E-03	4.900E+04
9.162E-13	1.327E-11	0.	7.573E-26	1.002E-06	1.406E-18	3.235E-03	8.728E-02	8.914E-03	5.000E+04

V/PU = 5.00E-01

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	2.395E-01	4.217E-21	0.	0.	0.	0.	0.	5.900E+02
0.	0.	2.484E-01	7.142E-21	0.	0.	0.	0.	0.	6.000E+02
0.	4.753E-33	2.477E-01	1.017E-20	0.	0.	0.	0.	0.	7.900E+02
0.	1.282E-28	2.459E-01	1.238E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.624E-25	2.500E-01	1.321E-20	0.	0.	0.	0.	0.	9.500E+02
0.	2.194E-22	2.500E-01	1.284E-20	0.	0.	0.	0.	0.	1.700E+03
0.	3.857E-20	2.500E-01	1.176E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.979E-18	2.500E-01	1.043E-20	3.472E-33	0.	0.	0.	0.	1.200E+03
0.	1.162E-16	2.500E-01	9.128E-21	5.505E-32	0.	0.	0.	0.	1.300E+03
0.	2.780E-15	2.500E-01	7.971E-21	5.788E-31	0.	0.	0.	0.	1.400E+03
0.	4.133E-14	2.500E-01	6.986E-21	4.383E-30	0.	0.	0.	0.	1.500E+03
0.	4.731E-13	2.500E-01	6.162E-21	2.584E-29	0.	0.	0.	0.	1.600E+03
0.	3.131E-12	2.500E-01	5.479E-21	1.158E-28	0.	0.	0.	0.	1.700E+03
0.	2.594E-11	2.499E-01	4.913E-21	4.721E-28	0.	0.	0.	0.	1.800E+03
6.955E-26	2.594E-11	2.499E-01	4.981E-21	1.804E-27	0.	0.	0.	0.	1.900E+03
2.937E-23	1.395E-10	2.499E-01	2.073E-20	2.420E-26	4.177E-30	0.	0.	0.	2.000E+03
1.096E-21	8.466E-10	2.499E-01	1.605E-19	5.665E-25	3.158E-28	0.	0.	0.	2.100E+03
1.574E-20	2.518E-09	2.455E-01	1.605E-19	1.082E-23	8.078E-27	0.	0.	0.	2.200E+03
1.678E-19	8.777E-09	2.499E-01	1.196E-18	1.632E-22	1.538E-26	0.	0.	0.	2.300E+03
1.420E-18	2.747E-08	2.499E-01	6.984E-19	1.615E-22	1.538E-26	0.	0.	0.	2.400E+03
1.002E-17	7.818E-08	2.499E-01	5.651E-17	1.932E-21	2.280E-24	0.	0.	0.	2.500E+03
6.019E-17	2.045E-07	2.467E-01	1.878E-16	1.899E-20	2.720E-23	0.	0.	0.	2.600E+03
3.130E-16	4.463E-07	2.499E-01	6.871E-16	1.570E-19	2.468E-22	0.	0.	0.	2.700E+03
1.429E-15	1.127E-06	2.417E-01	2.536E-15	1.112E-18	2.231E-21	0.	0.	0.	2.800E+03
5.806E-15	2.407E-06	2.382E-01	9.529E-15	6.887E-18	1.553E-20	0.	0.	0.	2.900E+03
2.114E-14	4.471E-06	2.338E-01	2.639E-14	3.750E-17	4.441E-20	0.	0.	0.	3.000E+03
6.968E-14	9.378E-06	2.284E-01	7.577E-14	1.838E-16	5.126E-19	0.	0.	0.	3.100E+03
2.043E-13	1.726E-05	2.221E-01	2.033E-13	4.122E-16	2.440E-18	0.	0.	0.	3.200E+03
5.759E-13	3.048E-05	2.148E-01	5.194E-13	3.231E-15	1.748E-17	0.	0.	0.	3.300E+03
1.480E-12	5.689E-05	2.064E-01	1.228E-12	1.231E-14	4.370E-17	0.	0.	0.	3.400E+03
3.433E-12	8.578E-05	1.985E-01	2.799E-12	4.288E-14	1.465E-16	0.	0.	0.	3.500E+03
7.483E-12	1.363E-04	1.900E-01	6.119E-12	1.358E-13	4.717E-16	0.	0.	0.	3.600E+03
1.523E-11	2.112E-04	1.819E-01	1.290E-11	4.313E-13	1.628E-15	0.	0.	0.	3.700E+03
2.908E-11	3.202E-04	1.744E-01	2.635E-11	1.261E-12	6.033E-15	0.	0.	0.	3.800E+03
5.243E-11	4.752E-04	1.676E-01	5.232E-11	3.418E-12	1.070E-14	0.	0.	0.	3.900E+03
7.976E-11	6.724E-04	1.622E-01	1.015E-10	4.394E-12	2.686E-14	0.	0.	0.	4.000E+03
1.186E-10	9.917E-04	1.577E-01	1.972E-10	2.813E-11	6.860E-14	0.	0.	0.	4.100E+03
2.311E-10	1.399E-03	1.537E-01	3.572E-10	5.964E-11	1.655E-13	0.	0.	0.	4.200E+03
3.515E-10	1.984E-03	1.507E-01	6.466E-10	1.414E-10	3.148E-13	0.	0.	0.	4.300E+03
5.193E-10	2.864E-03	1.481E-01	1.153E-09	7.248E-10	6.701E-13	0.	0.	0.	4.400E+03
7.483E-10	4.022E-03	1.460E-01	2.006E-09	7.223E-10	1.359E-12	0.	0.	0.	4.500E+03
1.055E-09	5.609E-03	1.444E-01	3.418E-09	1.547E-09	2.867E-12	0.	0.	0.	4.600E+03
1.459E-09	8.182E-03	1.423E-01	5.101E-09	3.219E-09	4.075E-12	0.	0.	0.	4.700E+03
1.983E-09	1.150E-02	1.405E-01	7.317E-09	4.531E-09	4.383E-12	0.	0.	0.	4.800E+03
2.654E-09	1.658E-02	1.386E-01	1.092E-08	1.276E-08	1.688E-11	0.	0.	0.	4.900E+03

TABLE II.- Continued

T	E	NM3	NM2	NM	NM2	M	M2	M2	M2
4.900E+03	3.151E-06	4.976E-10	1.509E-07	1.337E-04	4.104E-12	8.390E-01	1.069E-02	7.483E-09	3.099E-06
5.000E+03	4.467E-06	3.441E-10	1.290E-07	1.396E-04	3.599E-12	8.400E-01	8.527E-03	9.274E-09	4.381E-06
5.200E+03	8.635E-06	1.694E-10	9.503E-08	1.502E-04	2.765E-12	8.394E-01	5.532E-03	1.382E-08	8.403E-06
5.400E+03	1.593E-05	8.615E-11	7.039E-08	1.587E-04	2.112E-12	8.382E-01	3.680E-03	1.999E-08	1.533E-05
5.600E+03	2.820E-05	4.497E-11	5.221E-08	1.644E-04	1.592E-12	8.305E-01	2.503E-03	2.795E-08	2.674E-05
5.800E+03	4.812E-05	2.392E-11	3.883E-08	1.668E-04	1.177E-12	8.228E-01	1.737E-03	3.799E-08	4.475E-05
6.000E+03	7.946E-05	1.289E-11	2.839E-08	1.652E-04	8.472E-13	8.133E-01	1.228E-03	5.051E-08	7.218E-05
6.200E+03	1.274E-04	7.012E-12	2.067E-08	1.595E-04	5.909E-13	8.028E-01	8.028E-04	6.837E-08	1.126E-04
6.400E+03	1.987E-04	7.839E-12	1.489E-08	1.501E-04	3.900E-13	7.920E-01	6.471E-04	6.284E-08	1.768E-04
6.600E+03	3.024E-04	2.118E-12	1.062E-08	1.378E-04	2.591E-13	7.818E-01	4.824E-04	4.058E-08	2.524E-04
6.800E+03	4.495E-04	1.177E-12	7.517E-09	1.238E-04	1.637E-13	7.729E-01	3.669E-04	1.267E-07	3.653E-04
7.000E+03	6.538E-04	6.424E-13	5.305E-09	1.093E-04	1.013E-13	7.657E-01	2.855E-04	1.582E-07	5.190E-04
7.200E+03	9.322E-04	3.791E-13	3.748E-09	9.533E-05	6.189E-14	7.601E-01	2.231E-04	1.921E-07	7.249E-04
7.400E+03	1.304E-03	2.099E-13	2.209E-09	8.262E-05	3.772E-14	7.559E-01	1.763E-04	2.341E-07	9.471E-04
7.600E+03	1.794E-03	1.312E-13	1.905E-09	7.161E-05	2.309E-14	7.526E-01	1.444E-04	2.829E-07	1.352E-03
7.800E+03	2.429E-03	7.951E-14	1.577E-09	6.174E-05	1.427E-14	7.500E-01	1.183E-04	3.371E-07	1.800E-03
8.000E+03	3.260E-03	4.915E-14	1.005E-09	5.349E-05	8.934E-15	7.486E-01	9.797E-05	4.002E-07	2.388E-03
8.200E+03	4.263E-03	3.049E-14	7.481E-10	4.649E-05	5.932E-15	7.474E-01	8.132E-05	4.715E-07	3.110E-03
8.400E+03	5.539E-03	1.945E-14	5.529E-10	4.054E-05	3.852E-15	7.430E-01	6.898E-05	5.513E-07	4.004E-03
8.600E+03	7.111E-03	1.293E-14	4.181E-10	3.548E-05	2.384E-15	7.404E-01	5.837E-05	6.405E-07	5.104E-03
8.800E+03	9.027E-03	8.555E-15	3.159E-10	3.114E-05	1.477E-15	7.374E-01	4.975E-05	7.354E-07	6.434E-03
9.000E+03	1.134E-02	5.735E-15	2.417E-10	2.749E-05	1.054E-15	7.339E-01	4.263E-05	8.456E-07	8.029E-03
9.200E+03	1.411E-02	3.491E-15	1.803E-10	2.429E-05	7.143E-16	7.298E-01	3.669E-05	9.618E-07	9.927E-03
9.400E+03	1.738E-02	2.664E-15	1.444E-10	2.144E-05	4.879E-16	7.250E-01	3.170E-05	1.087E-06	1.214E-02
9.600E+03	2.122E-02	1.845E-15	1.126E-10	1.902E-05	3.360E-16	7.195E-01	2.747E-05	1.219E-06	1.479E-02
9.800E+03	2.573E-02	1.244E-15	8.804E-11	1.689E-05	2.329E-16	7.130E-01	2.384E-05	1.360E-06	1.781E-02
1.000E+04	3.094E-02	9.021E-16	6.912E-11	1.500E-05	1.623E-16	7.054E-01	2.074E-05	1.504E-06	2.129E-02
1.100E+04	4.893E-02	1.597E-16	2.094E-11	1.176E-06	2.749E-17	6.915E-01	1.062E-05	5.277E-06	6.695E-02
1.200E+04	1.302E-01	2.480E-17	5.468E-12	8.122E-06	4.104E-18	5.642E-01	5.007E-06	8.946E-06	1.444E-02
1.300E+04	2.113E-01	3.645E-18	1.374E-12	1.789E-06	5.313E-19	4.471E-01	2.144E-06	1.037E-06	1.844E-02
1.400E+04	2.425E-01	1.494E-19	1.494E-13	6.371E-07	4.437E-20	3.182E-01	7.794E-07	2.584E-06	2.001E-01
1.500E+04	3.738E-01	2.537E-20	1.468E-14	1.811E-07	2.844E-21	2.033E-01	2.371E-07	1.797E-06	2.644E-01
1.600E+04	4.264E-01	1.424E-21	4.043E-15	4.851E-08	1.530E-22	1.197E-01	6.317E-08	1.064E-06	3.102E-01
1.700E+04	4.599E-01	7.527E-23	4.502E-16	1.214E-08	6.864E-24	6.743E-02	1.598E-08	5.749E-07	3.379E-01
1.800E+04	6.768E-01	4.312E-26	3.238E-17	3.177E-09	3.651E-25	3.861E-02	4.130E-09	6.029E-07	3.538E-01
1.900E+04	8.464E-01	2.490E-25	7.089E-18	8.934E-10	2.324E-26	2.255E-02	1.139E-09	1.608E-07	3.625E-01
2.000E+04	9.428E-01	2.328E-26	1.081E-18	2.742E-10	1.749E-27	1.364E-02	3.407E-10	8.820E-08	3.731E-01
2.100E+04	4.953E-01	2.249E-27	1.876E-19	9.153E-11	1.655E-28	8.608E-03	1.104E-10	5.019E-08	3.699E-01
2.200E+04	4.977E-01	2.569E-28	3.714E-20	3.296E-11	1.379E-29	5.643E-03	3.914E-11	2.964E-08	3.711E-01
2.300E+04	5.300E-01	3.404E-29	4.155E-21	1.265E-11	2.274E-30	3.839E-03	1.489E-11	1.813E-08	3.711E-01
2.400E+04	5.330E-01	5.134E-30	1.953E-21	5.093E-12	3.192E-31	2.703E-03	6.055E-12	1.143E-08	3.701E-01
2.500E+04	5.071E-01	8.459E-31	4.495E-22	2.115E-12	4.812E-32	1.964E-03	2.614E-12	7.411E-09	3.677E-01
2.600E+04	5.126E-01	1.504E-31	1.334E-22	8.893E-13	7.512E-33	1.467E-03	1.193E-12	4.919E-09	3.641E-01
2.700E+04	5.144E-01	2.433E-32	3.663E-23	3.729E-13	1.177E-33	1.125E-03	5.713E-13	3.336E-09	3.593E-01
2.800E+04	5.267E-01	5.524E-33	1.019E-23	1.546E-13	1.816E-34	8.819E-04	2.457E-13	2.309E-09	3.541E-01
2.900E+04	5.338E-01	1.114E-33	2.867E-24	6.337E-14	2.757E-35	7.057E-04	1.466E-13	1.632E-09	3.491E-01
3.000E+04	5.195E-01	2.130E-34	8.205E-25	2.585E-14	4.180E-36	5.757E-04	8.022E-14	1.177E-09	3.464E-01
3.100E+04	5.441E-01	5.045E-35	2.407E-25	1.060E-14	0.	4.748E-04	4.477E-14	8.654E-10	3.414E-01
3.200E+04	5.475E-01	1.164E-35	7.297E-26	4.411E-15	0.	4.011E-04	2.577E-14	6.461E-10	3.389E-01
3.300E+04	5.503E-01	2.221E-36	2.246E-26	1.876E-15	0.	3.420E-04	1.524E-14	4.934E-10	3.371E-01
3.400E+04	5.519E-01	7.204E-37	7.541E-27	8.182E-16	0.	2.950E-04	9.278E-15	3.611E-10	3.350E-01
3.500E+04	5.534E-01	1.943E-37	2.578E-27	3.667E-16	0.	2.573E-04	5.775E-15	2.981E-10	3.347E-01
3.600E+04	5.548E-01	5.511E-38	9.162E-28	1.687E-16	0.	2.261E-04	3.674E-15	2.359E-10	3.337E-01
3.700E+04	5.562E-01	0.	3.375E-28	7.954E-17	0.	2.005E-04	2.345E-15	1.866E-10	3.324E-01
3.800E+04	5.579E-01	0.	1.263E-28	3.826E-17	0.	1.790E-04	1.577E-15	1.270E-10	3.314E-01
3.900E+04	5.596E-01	0.	5.006E-29	1.871E-17	0.	1.608E-04	1.060E-15	1.735E-10	3.299E-01
4.000E+04	5.623E-01	0.	1.493E-29	9.246E-18	0.	1.453E-04	7.338E-16	1.010E-10	3.280E-01
4.100E+04	5.645E-01	0.	8.047E-30	4.597E-18	0.	1.319E-04	5.014E-16	6.344E-11	3.257E-01
4.200E+04	5.671E-01	0.	3.279E-30	2.288E-18	0.	1.202E-04	3.520E-16	4.081E-11	3.231E-01
4.300E+04	5.701E-01	0.	0.	1.136E-18	0.	1.100E-04	2.507E-16	5.724E-11	3.202E-01
4.400E+04	5.749E-01	0.	5.518E-31	5.620E-19	0.	1.011E-04	1.644E-16	4.792E-11	3.172E-01
4.500E+04	5.808E-01	0.	2.273E-31	2.749E-19	0.	9.317E-05	1.135E-16	4.034E-11	3.143E-01
4.600E+04	5.874E-01	0.	9.430E-32	1.380E-19	0.	8.415E-05	7.600E-17	3.410E-11	3.114E-01
4.700E+04	5.955E-01	0.	3.911E-32	6.464E-20	0.	7.741E-05	5.200E-17	2.914E-11	3.093E-01
4.800E+04	5.932E-01	0.	1.442E-32	3.244E-20	0.	7.433E-05	4.722E-17	2.500E-11	3.073E-01
4.900E+04	5.925E-01	0.	6.971E-33	1.633E-20	0.	6.943E-05	4.205E-17	2.157E-11	3.054E-01
5.000E+04	5.945E-01	0.	2.444E-33	8.156E-21	0.	6.683E-05	3.724E-17	1.871E-11	3.041E-01

TABLE II.- Continued

M	N	N2	N2*	N3	N-	N**	N***	N****	T
3.902E-04	1.358E-02	1.366E-01	2.342E-08	2.436E-08	2.957E-11	0.	0.	0.	4.900E+03
4.961E-04	1.709E-02	1.342E-01	3.605E-08	4.529E-08	5.059E-11	0.	0.	0.	5.000E+03
7.479E-04	2.633E-02	1.266E-01	8.059E-08	1.453E-07	1.382E-10	0.	0.	0.	5.200E+03
1.179E-03	3.666E-02	1.211E-01	1.670E-07	4.242E-07	3.468E-10	0.	0.	0.	5.400E+03
1.781E-03	5.519E-02	1.116E-01	3.206E-07	1.134E-06	8.000E-10	0.	0.	0.	5.600E+03
2.617E-03	7.918E-02	1.101E-01	5.700E-07	2.784E-06	1.730E-09	2.443E-24	0.	0.	5.800E+03
3.731E-03	1.064E-01	8.689E-02	9.371E-07	6.328E-06	3.484E-09	2.628E-23	0.	0.	6.000E+03
5.191E-03	1.423E-01	7.219E-02	1.422E-06	1.330E-05	6.477E-09	2.366E-22	0.	0.	6.200E+03
7.065E-03	1.842E-01	5.756E-02	1.942E-06	2.597E-05	1.133E-08	1.188E-21	0.	0.	6.400E+03
9.431E-03	2.342E-01	4.391E-02	2.584E-06	4.734E-05	1.862E-08	1.188E-20	0.	0.	6.600E+03
1.233E-02	2.937E-01	3.218E-02	3.124E-06	8.104E-05	2.887E-08	6.800E-20	0.	0.	6.800E+03
1.639E-02	3.645E-01	2.218E-02	3.958E-06	1.315E-04	4.253E-08	3.444E-19	0.	0.	7.000E+03
2.034E-02	4.479E-01	1.578E-02	5.044E-06	2.036E-04	5.997E-08	1.569E-18	0.	0.	7.200E+03
2.504E-02	5.459E-01	1.079E-02	6.495E-06	3.034E-04	8.811E-08	6.447E-18	0.	0.	7.400E+03
3.054E-02	6.609E-01	7.357E-03	8.352E-06	4.383E-04	1.279E-07	8.449E-17	0.	0.	7.600E+03
3.681E-02	7.940E-01	5.078E-03	1.082E-05	6.173E-04	1.792E-07	8.431E-17	0.	0.	7.800E+03
4.384E-02	9.469E-01	3.468E-03	1.408E-05	8.501E-04	1.792E-07	2.862E-16	0.	0.	8.000E+03
5.163E-02	1.129E-01	2.404E-03	1.824E-05	1.147E-03	2.193E-07	8.464E-16	0.	0.	8.200E+03
6.021E-02	1.346E-01	1.688E-03	2.351E-05	1.529E-03	2.688E-07	2.615E-15	0.	0.	8.400E+03
6.961E-02	1.604E-01	1.148E-03	3.044E-05	3.984E-03	3.217E-07	7.111E-15	0.	0.	8.600E+03
7.987E-02	1.908E-01	8.588E-04	3.899E-05	2.590E-03	3.884E-07	1.980E-14	0.	0.	8.800E+03
9.117E-02	2.260E-01	5.808E-04	5.008E-05	3.304E-03	4.547E-07	4.980E-14	0.	0.	9.000E+03
1.037E-01	2.674E-01	4.271E-04	6.428E-05	4.174E-03	5.374E-07	1.221E-13	0.	0.	9.200E+03
1.183E-01	3.154E-01	3.155E-04	8.305E-05	5.215E-03	6.223E-07	2.883E-13	0.	0.	9.400E+03
1.344E-01	3.709E-01	2.435E-04	1.094E-04	6.445E-03	7.134E-07	6.588E-13	0.	0.	9.600E+03
1.521E-01	4.342E-01	1.808E-04	1.382E-04	7.889E-03	8.099E-07	1.447E-12	0.	0.	9.800E+03
1.714E-01	5.057E-01	1.404E-04	1.747E-04	9.567E-03	9.110E-07	3.290E-12	0.	0.	1.000E+04
1.924E-01	5.866E-01	1.091E-04	2.204E-04	1.149E-02	1.029E-06	4.984E-11	0.	0.	1.100E+04
2.151E-01	6.781E-01	8.231E-05	2.807E-04	1.384E-02	1.172E-06	1.515E-10	0.	0.	1.200E+04
2.396E-01	7.814E-01	6.001E-05	3.579E-04	1.653E-02	1.359E-06	1.621E-09	1.320E-22	0.	1.300E+04
2.660E-01	8.986E-01	4.300E-05	4.593E-04	2.053E-02	1.597E-06	1.220E-07	1.746E-20	0.	1.400E+04
2.944E-01	1.032E-01	3.044E-05	5.903E-04	2.603E-02	1.904E-06	6.973E-07	1.106E-18	0.	1.500E+04
3.248E-01	1.183E-01	2.203E-05	7.510E-04	3.341E-02	2.288E-06	3.229E-06	6.190E-17	0.	1.600E+04
3.573E-01	1.350E-01	1.593E-05	9.518E-04	4.318E-02	2.768E-06	4.388E-07	2.004E-15	0.	1.700E+04
3.919E-01	1.534E-01	1.137E-05	1.225E-03	5.598E-02	3.394E-06	6.169E-07	4.832E-14	0.	1.800E+04
4.287E-01	1.736E-01	8.288E-06	1.517E-03	7.308E-02	4.204E-06	8.675E-07	8.057E-13	0.	1.900E+04
4.678E-01	1.967E-01	5.918E-06	1.870E-03	9.570E-02	5.224E-06	1.224E-06	1.075E-11	0.	2.000E+04
5.093E-01	2.230E-01	4.248E-06	2.318E-03	1.234E-01	6.468E-06	1.633E-06	1.198E-10	0.	2.100E+04
5.533E-01	2.526E-01	3.048E-06	2.882E-03	1.627E-01	7.954E-06	2.158E-06	4.812E-10	0.	2.200E+04
5.998E-01	2.856E-01	2.208E-06	3.587E-03	2.147E-01	9.693E-06	2.822E-06	7.010E-09	0.	2.300E+04
6.489E-01	3.220E-01	1.608E-06	4.468E-03	2.827E-01	1.174E-05	3.600E-06	4.193E-08	0.	2.400E+04
6.996E-01	3.619E-01	1.148E-06	5.480E-03	3.718E-01	1.425E-05	4.530E-06	2.110E-07	0.	2.500E+04
7.520E-01	4.044E-01	8.288E-07	6.685E-03	4.883E-01	1.734E-05	5.638E-06	2.802E-07	0.	2.600E+04
8.061E-01	4.496E-01	6.001E-07	8.093E-03	6.373E-01	2.102E-05	6.932E-06	4.852E-07	0.	2.700E+04
8.618E-01	4.976E-01	4.300E-07	9.740E-03	8.248E-01	2.537E-05	8.430E-06	3.220E-06	0.	2.800E+04
9.191E-01	5.484E-01	3.048E-07	1.170E-02	1.058E-01	3.048E-05	1.017E-05	4.933E-06	0.	2.900E+04
9.781E-01	6.020E-01	2.208E-07	1.425E-02	1.339E-01	3.648E-05	1.274E-05	6.937E-06	0.	3.000E+04
1.038E-01	6.584E-01	1.608E-07	1.747E-02	1.674E-01	4.358E-05	1.540E-05	9.800E-06	0.	3.100E+04
1.104E-01	7.176E-01	1.148E-07	2.148E-02	2.174E-01	5.198E-05	1.818E-05	1.320E-05	5.776E-17	3.300E+04
1.178E-01	7.796E-01	8.288E-08	2.640E-02	2.853E-01	6.178E-05	2.110E-05	1.620E-05	0.	3.400E+04
1.260E-01	8.444E-01	6.001E-08	3.240E-02	3.744E-01	7.308E-05	2.402E-05	1.952E-05	0.	3.500E+04
1.349E-01	9.118E-01	4.300E-08	3.940E-02	4.903E-01	8.673E-05	2.700E-05	2.240E-05	0.	3.600E+04
1.444E-01	9.818E-01	3.048E-08	4.760E-02	6.373E-01	1.020E-04	3.000E-05	2.540E-05	0.	3.700E+04
1.545E-01	1.064E-01	2.208E-08	5.720E-02	8.248E-01	1.184E-04	3.300E-05	2.840E-05	0.	3.800E+04
1.652E-01	1.167E-01	1.608E-08	6.840E-02	1.058E-01	1.364E-04	3.600E-05	3.140E-05	0.	3.900E+04
1.765E-01	1.284E-01	1.148E-08	8.140E-02	1.339E-01	1.558E-04	3.900E-05	3.440E-05	0.	4.000E+04
1.884E-01	1.414E-01	8.288E-09	9.640E-02	1.674E-01	1.768E-04	4.200E-05	3.740E-05	0.	4.100E+04
2.009E-01	1.556E-01	6.001E-09	1.136E-01	2.147E-01	2.002E-04	4.500E-05	4.040E-05	0.	4.200E+04
2.140E-01	1.710E-01	4.300E-09	1.332E-01	2.827E-01	2.260E-04	4.800E-05	4.340E-05	0.	4.300E+04
2.277E-01	1.876E-01	3.048E-09	1.556E-01	3.718E-01	2.537E-04	5.100E-05	4.640E-05	0.	4.400E+04
2.420E-01	2.054E-01	2.208E-09	1.808E-01	4.883E-01	2.840E-04	5.400E-05	4.940E-05	0.	4.500E+04
2.569E-01	2.244E-01	1.608E-09	2.090E-01	6.373E-01	3.170E-04	5.700E-05	5.240E-05	0.	4.600E+04
2.724E-01	2.446E-01	1.148E-09	2.404E-01	8.248E-01	3.530E-04	6.000E-05	5.540E-05	0.	4.700E+04
2.885E-01	2.660E-01	8.288E-10	2.740E-01	1.058E-01	3.920E-04	6.300E-05	5.840E-05	0.	4.800E+04
3.052E-01	2.886E-01	6.001E-10	3.104E-01	1.339E-01	4.340E-04	6.600E-05	6.140E-05	0.	4.900E+04
3.225E-01	3.134E-01	4.300E-10	3.496E-01	1.674E-01	4.790E-04	6.900E-05	6.440E-05	0.	5.000E+04
3.404E-01	3.404E-01	3.048E-10	3.924E-01	2.147E-01	5.270E-04	7.200E-05	6.740E-05	0.	5.100E+04
3.589E-01	3.696E-01	2.208E-10	4.396E-01	2.827E-01	5.780E-04	7.500E-05	7.040E-05	0.	5.200E+04
3.780E-01	4.010E-01	1.608E-10	4.910E-01	3.718E-01	6.320E-04	7.800E-05	7.340E-05	0.	5.300E+04
3.977E-01	4.346E-01	1.148E-10	5.476E-01	4.883E-01	6.880E-04	8.100E-05	7.640E-05	0.	5.400E+04
4.180E-01	4.704E-01	8.288E-11	6.094E-01	6.373E-01	7.460E-04	8.400E-05	7.940E-05	0.	5.500E+04
4.389E-01	5.084E-01	6.001E-11	6.770E-01	8.248E-01	8.060E-04	8.700E-05	8.240E-05	0.	5.600E+04
4.604E-01	5.486E-01	4.300E-11	7.504E-01	1.058E-01	8.680E-04	9.000E-05	8.540E-05	0.	5.700E+04
4.825E-01	5.910E-01	3.048E-11	8.296E-01	1.339E-01	9.320E-04	9.300E-05	8.840E-05	0.	5.800E+04
5.052E-01	6.356E-01	2.208E-11	9.156E-01	1.674E-01	9.980E-04	9.600E-05	9.140E-05	0.	5.900E+04
5.285E-01	6.824E-01	1.608E-11	1.008E-01	2.147E-01	1.066E-03	9.900E-05	9.440E-05	0.	6.000E+04
5.524E-01	7.314E-01	1.148E-11	1.110E-01	2.827E-01	1.136E-03	1.020E-04	9.740E-05	0.	6.100E+04
5.769E-01	7.826E-01	8.288E-12	1.220E-01	3.718E-01	1.208E-03	1.080E-04	1.004E-04	0.	6.200E+04
6.019E-01	8.360E-01	6.001E-12	1.338E-01	4.883E-01	1.282E-03	1.140E-04	1.088E-04	0.	6.300E+04
6.274E-01	8.916E-01	4.300E-12	1.464E-01	6.373E-01	1.358E-03	1.190E-04	1.172E-04	0.	6.400E+04
6.534E-01	9.494E-01	3.048E-12	1.598E-01	8.248E-01	1.436E-03	1.240E-04	1.256E-04	0.	6.500E+04
6.799E-01	1.009E-01	2.208E-12	1.740E-01	1.058E-01	1.516E-03	1.290E-04	1.340E-04	0.	6.600E+04
7.069E-01	1.080E-01	1.608E-12	1.890E-01	1.339E-01	1.598E-03	1.340E-04	1.424E-04	0.	6.700E+04
7.344E-01	1.158E-01	1.148E-12	2.048E-01	1.674E-01	1.682E-03	1.390E-04	1.508E-04	0.	6.800E+04
7.624E-01	1.244E-01	8.288E-13	2.216E-01	2.147E-01	1.768E-03	1.440E-04	1.592E-04	0.	6.900E+04
7.909E-01	1.338E-01	6.001E-13	2.394E-01	2.827E-01	1.856E-03	1.490E-04	1.676E-04	0.	7.000E+04
8.199E-01	1.439E-01	4.300E-13	2.582E-01	3.718E-01	1.946E-03	1.540E-04	1.760E-04	0.	7.100E+04
8.494E-01	1.546E-01	3.048E-13	2.780E-01	4.883E-01	2.038E-03	1.590E-04	1.844E-04	0.	7.200E+04
8.794E-01	1.659E-01	2.208E-13	2.988E-01	6.373E-01	2.132E-03	1.640E-04	1.928E-04	0.	7.300E+04
9.099E-01	1.778E-01	1.608E-13	3.206E-01	8.248E-01	2.228E-03	1.690E-04	2.012E-04	0.	7.400E+04
9.409E-01	1.902E-01	1.148E-13	3.434E-01	1.058E-01	2.326E-03	1.740E-04	2.096E-04	0.	7.500E+04
9.724E-01	2.								

TABLE II. - Continued

I	E	NH1	NH2	NH	NH2	H	H2	H2+	H3
1.330E+01	0.	3.010E-04	3.441E-10	2.874E-14	5.337E-18	3.477E-27	7.433E-31	7.464E-19	5.457E-19
1.400E+01	0.	2.954E-04	1.007E-09	2.333E-12	2.093E-15	4.210E-24	7.500E-31	2.617E-19	5.996E-19
1.500E+01	1.444E-11	1.477E-04	2.434E-06	1.444E-11	1.862E-14	1.521E-24	7.400E-31	7.200E-19	6.417E-19
1.600E+01	7.659E-24	1.108E-04	5.702E-09	8.065E-11	1.945E-14	4.704E-24	7.500E-31	1.661E-19	6.733E-19
1.700E+01	1.465E-25	8.007E-06	1.744E-08	3.44E-10	4.892E-14	7.775E-24	7.449E-31	1.444E-19	6.999E-19
1.800E+01	1.778E-27	6.888E-06	2.194E-10	1.264E-09	1.113E-13	7.396E-24	7.449E-31	1.264E-19	7.202E-19
1.900E+01	4.173E-29	5.649E-06	3.865E-08	4.049E-09	2.755E-13	6.840E-24	7.449E-31	1.264E-19	7.714E-19
2.000E+01	1.922E-19	4.729E-06	6.447E-08	1.574E-08	4.924E-13	1.474E-24	7.449E-31	7.167E-19	7.641E-19
2.100E+01	2.761E-17	4.027E-06	1.021E-07	2.957E-08	8.276E-13	2.339E-24	7.449E-31	7.778E-19	7.007E-18
2.200E+01	1.714E-16	3.478E-06	1.550E-07	6.979E-08	1.421E-12	4.846E-24	7.457E-31	1.464E-19	1.558E-18
2.300E+01	1.125E-15	2.764E-06	2.264E-07	1.524E-07	1.924E-12	8.326E-24	7.457E-31	4.739E-19	4.227E-18
2.400E+01	7.194E-15	2.677E-06	1.197E-07	3.118E-07	7.226E-12	1.364E-24	7.457E-31	4.785E-19	4.810E-18
2.500E+01	1.088E-14	2.364E-06	4.168E-07	6.002E-07	5.664E-12	2.144E-24	7.457E-31	2.151E-19	7.865E-18
2.600E+01	1.344E-14	7.036E-06	4.744E-07	1.094E-06	8.246E-12	7.244E-24	7.271E-31	8.625E-19	1.250E-18
2.700E+01	5.213E-13	1.858E-06	7.476E-07	1.905E-06	1.127E-11	4.722E-24	7.487E-31	7.499E-19	4.899E-18
2.800E+01	1.441E-12	7.439E-06	4.180E-07	3.167E-06	1.547E-11	6.785E-24	6.907E-31	1.014E-19	1.727E-18
2.900E+01	3.258E-12	1.634E-06	1.414E-06	5.049E-06	2.081E-11	9.374E-24	6.880E-31	3.067E-19	5.608E-18
3.000E+01	1.780E-11	1.244E-06	1.844E-06	7.774E-06	2.847E-11	1.260E-24	6.447E-31	8.477E-19	1.496E-18
3.100E+01	6.744E-11	1.361E-06	1.570E-06	1.143E-05	3.753E-11	1.650E-24	6.050E-31	2.167E-19	4.799E-18
3.200E+01	1.245E-10	4.921E-07	1.742E-06	1.624E-05	5.461E-11	2.108E-24	5.694E-31	1.176E-19	1.274E-18
3.300E+01	1.143E-10	7.343E-07	1.416E-06	2.244E-05	7.427E-11	2.874E-24	5.270E-31	1.161E-19	4.027E-18
3.400E+01	7.244E-10	9.847E-07	1.272E-06	2.943E-05	4.944E-11	3.196E-24	4.717E-31	7.644E-19	7.054E-18
3.500E+01	1.847E-09	1.387E-06	1.079E-06	4.456E-05	5.717E-11	3.604E-24	4.171E-31	4.457E-19	1.611E-18
3.600E+01	3.313E-09	3.694E-07	1.070E-06	6.456E-05	5.674E-11	4.426E-24	3.629E-31	9.170E-19	3.224E-18
3.700E+01	4.544E-09	7.547E-07	7.102E-06	9.470E-05	5.422E-11	5.179E-24	3.195E-31	1.616E-19	1.497E-18
3.800E+01	1.740E-08	1.863E-07	1.885E-06	7.063E-04	5.252E-11	5.417E-24	2.580E-31	1.717E-19	1.254E-18
3.900E+01	2.317E-08	1.317E-07	1.737E-06	3.224E-04	4.987E-11	6.174E-24	2.154E-31	4.427E-19	7.774E-18
4.000E+01	7.177E-08	4.155E-07	1.496E-06	4.395E-04	4.635E-11	6.800E-24	1.722E-31	6.866E-19	4.075E-18
4.100E+01	1.571E-07	1.244E-06	1.947E-06	1.247E-04	4.374E-11	6.944E-24	1.574E-31	1.077E-19	6.944E-18
4.200E+01	1.177E-07	4.155E-07	1.230E-06	1.179E-04	1.318E-11	7.319E-24	1.060E-31	2.474E-19	1.161E-18
4.300E+01	1.571E-07	1.244E-06	1.947E-06	1.247E-04	4.374E-11	6.944E-24	1.574E-31	1.077E-19	6.944E-18
4.400E+01	4.653E-07	1.244E-06	1.947E-06	1.247E-04	4.374E-11	6.944E-24	1.574E-31	1.077E-19	6.944E-18
4.500E+01	7.384E-07	4.647E-06	6.857E-07	1.563E-04	2.340E-11	8.136E-24	4.171E-31	4.492E-19	1.496E-18
4.600E+01	1.237E-06	7.671E-07	7.211E-06	1.933E-04	1.247E-11	8.164E-24	3.291E-31	6.627E-19	1.746E-18
4.700E+01	1.977E-06	3.671E-06	4.139E-07	1.749E-04	1.494E-11	8.739E-24	7.817E-31	9.769E-19	1.515E-18
4.800E+01	2.214E-06	7.751E-07	3.751E-06	1.813E-04	1.674E-11	8.740E-24	2.388E-31	7.649E-19	2.179E-18
4.900E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.000E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.100E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.200E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.300E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.400E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.500E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.600E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.700E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.800E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
5.900E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.000E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.100E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.200E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.300E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.400E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.500E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.600E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.700E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.800E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
6.900E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.000E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.100E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.200E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.300E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.400E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.500E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.600E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.700E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.800E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
7.900E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.000E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.100E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.200E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.300E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.400E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.500E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.600E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.700E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.800E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
8.900E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18
9.000E+01	1.612E-06	1.671E-06	4.898E-07	3.434E-04	1.645E-11	8.737E-24	1.874E-31	1.224E-19	7.880E-18

TABLE II. - Continued

M	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	8.360E-17	2.500E-01	1.155E-20	4.925E-32	0.	0.	0.	0.	1.300E+03
0.	1.966E-15	2.500E-01	1.030E-20	5.268E-31	0.	0.	0.	0.	1.400E+03
0.	3.041E-14	2.500E-01	9.166E-21	4.048E-30	0.	0.	0.	0.	1.500E+03
0.	3.365E-13	2.500E-01	8.186E-21	2.368E-25	0.	0.	0.	0.	1.600E+03
0.	2.779E-12	2.500E-01	7.344E-21	1.134E-28	0.	0.	0.	0.	1.700E+03
3.665E-26	1.527E-11	2.500E-01	6.632E-21	6.506E-28	0.	0.	0.	0.	1.800E+03
1.304E-23	3.66E-11	2.499E-01	6.315E-21	1.617E-27	0.	0.	0.	0.	1.900E+03
8.733E-22	1.502E-10	2.498E-01	1.766E-20	1.519E-26	6.516E-30	0.	0.	0.	2.000E+03
1.353E-20	1.779E-09	2.497E-01	1.339E-19	3.341E-25	2.679E-28	0.	0.	0.	2.100E+03
1.431E-19	6.210E-09	2.496E-01	9.516E-19	6.348E-24	6.873E-27	0.	0.	0.	2.200E+03
1.213E-18	1.544E-08	2.495E-01	5.785E-18	5.481E-23	1.310E-25	0.	0.	0.	2.300E+03
8.563E-18	5.936E-08	2.493E-01	3.037E-17	1.135E-21	1.946E-24	0.	0.	0.	2.400E+03
5.153E-17	1.448E-07	2.493E-01	1.399E-16	1.117E-20	2.323E-23	0.	0.	0.	2.500E+03
2.608E-16	3.521E-07	2.492E-01	5.735E-16	9.234E-20	2.286E-22	0.	0.	0.	2.600E+03
1.235E-15	8.005E-07	2.440E-01	2.119E-15	6.544E-19	1.888E-21	0.	0.	0.	2.700E+03
5.052E-15	1.717E-06	2.415E-01	7.139E-15	4.041E-18	1.336E-20	0.	0.	0.	2.800E+03
1.859E-14	3.477E-06	2.383E-01	2.215E-14	2.206E-17	8.220E-20	0.	0.	0.	2.900E+03
6.197E-14	6.715E-06	2.362E-01	6.379E-14	1.078E-16	4.452E-19	0.	0.	0.	3.000E+03
1.892E-13	1.240E-05	2.294E-01	1.715E-13	4.788E-16	2.167E-18	0.	0.	0.	3.100E+03
5.314E-13	2.199E-05	2.236E-01	4.336E-13	1.927E-15	9.309E-18	0.	0.	0.	3.200E+03
1.304E-12	3.756E-05	2.171E-01	1.038E-12	7.182E-15	3.662E-17	0.	0.	0.	3.300E+03
3.342E-12	6.201E-05	2.100E-01	2.363E-12	2.487E-14	1.317E-16	0.	0.	0.	3.400E+03
7.527E-12	9.925E-05	2.024E-01	5.164E-12	6.058E-14	4.338E-16	0.	0.	0.	3.500E+03
1.588E-11	1.545E-04	1.948E-01	1.077E-11	2.460E-13	1.338E-15	0.	0.	0.	3.600E+03
3.149E-11	2.344E-04	1.889E-01	2.176E-11	7.113E-13	3.831E-15	0.	0.	0.	3.700E+03
5.899E-11	3.437E-04	1.794E-01	4.267E-11	1.999E-12	1.029E-14	0.	0.	0.	3.800E+03
1.044E-10	5.358E-04	1.729E-01	8.145E-11	5.180E-12	2.808E-14	0.	0.	0.	3.900E+03
1.774E-10	7.221E-04	1.670E-01	1.519E-10	1.305E-11	4.271E-14	0.	0.	0.	4.000E+03
2.876E-10	1.015E-03	1.619E-01	2.771E-10	3.179E-11	1.436E-13	0.	0.	0.	4.100E+03
4.488E-10	1.405E-03	1.576E-01	4.556E-10	7.472E-11	3.156E-13	0.	0.	0.	4.200E+03
6.773E-10	1.920E-03	1.540E-01	6.694E-10	1.698E-10	6.457E-13	0.	0.	0.	4.300E+03
9.929E-10	2.590E-03	1.510E-01	1.457E-09	3.737E-10	1.354E-12	0.	0.	0.	4.400E+03
1.419E-09	3.451E-03	1.484E-01	2.528E-09	7.974E-10	2.644E-12	0.	0.	0.	4.500E+03
1.984E-09	4.545E-03	1.462E-01	4.192E-09	1.452E-09	5.078E-12	0.	0.	0.	4.600E+03
2.720E-09	5.918E-03	1.441E-01	6.823E-09	2.324E-09	4.905E-12	0.	0.	0.	4.700E+03
3.665E-09	7.624E-03	1.422E-01	1.090E-08	4.510E-09	1.695E-11	0.	0.	0.	4.800E+03
4.862E-09	9.718E-03	1.402E-01	1.711E-08	1.242E-08	2.978E-11	0.	0.	0.	4.900E+03
6.361E-09	1.226E-02	1.382E-01	2.637E-08	2.309E-08	5.106E-11	0.	0.	0.	5.000E+03
1.049E-08	1.605E-02	1.355E-01	5.939E-08	7.430E-08	1.404E-10	0.	0.	0.	5.200E+03
1.457E-08	2.021E-02	1.277E-01	1.248E-07	2.184E-07	3.551E-10	0.	0.	0.	5.400E+03
2.522E-08	2.648E-02	1.203E-01	2.451E-07	5.904E-07	8.324E-10	0.	0.	0.	5.600E+03
3.714E-08	3.505E-02	1.112E-01	4.494E-07	1.474E-06	1.818E-09	9.164E-25	0.	0.	5.800E+03
5.312E-08	4.647E-02	1.003E-01	7.695E-07	3.416E-06	3.712E-09	1.007E-23	0.	0.	6.000E+03
7.406E-08	6.050E-02	8.785E-02	1.229E-06	7.367E-06	7.114E-09	9.210E-23	0.	0.	6.200E+03
1.009E-07	1.200E-01	7.437E-02	1.824E-06	1.443E-05	1.282E-08	7.338E-22	0.	0.	6.400E+03
1.347E-07	1.438E-01	6.666E-02	2.538E-06	2.797E-05	2.177E-08	4.986E-21	0.	0.	6.600E+03
1.767E-07	1.865E-01	4.763E-02	3.288E-06	4.959E-05	3.496E-08	2.955E-20	0.	0.	6.800E+03
2.281E-07	1.867E-01	3.607E-02	4.000E-06	8.308E-05	5.327E-08	1.546E-19	0.	0.	7.000E+03
2.903E-07	2.033E-01	2.649E-02	4.604E-06	1.323E-04	7.742E-08	7.221E-19	0.	0.	7.200E+03
3.647E-07	2.163E-01	1.901E-02	5.063E-06	2.019E-04	1.380E-07	7.051E-18	0.	0.	7.400E+03
4.527E-07	2.250E-01	1.345E-02	5.376E-06	2.968E-04	1.456E-07	1.179E-17	0.	0.	7.600E+03
5.556E-07	2.326E-01	9.448E-03	5.563E-06	4.234E-04	1.906E-07	4.211E-17	0.	0.	7.800E+03
6.795E-07	2.372E-01	6.635E-03	5.653E-06	5.887E-04	2.439E-07	1.472E-16	0.	0.	8.000E+03
8.105E-07	2.402E-01	4.677E-03	5.672E-06	8.014E-04	3.059E-07	4.384E-16	0.	0.	8.200E+03
9.644E-07	2.421E-01	3.320E-03	5.644E-06	1.071E-03	3.774E-07	1.295E-15	0.	0.	8.400E+03
1.137E-06	2.431E-01	2.376E-03	5.582E-06	1.409E-03	4.590E-07	3.630E-15	0.	0.	8.600E+03
1.328E-06	2.435E-01	1.716E-03	5.497E-06	1.827E-03	5.510E-07	9.703E-15	0.	0.	8.800E+03
1.539E-06	2.434E-01	1.251E-03	5.397E-06	2.339E-03	6.539E-07	2.482E-14	0.	0.	9.000E+03
1.769E-06	2.429E-01	9.205E-04	5.285E-06	2.958E-03	7.678E-07	6.093E-14	0.	0.	9.200E+03
2.017E-06	2.420E-01	6.831E-04	5.164E-06	3.702E-03	8.924E-07	1.440E-13	0.	0.	9.400E+03
2.282E-06	2.437E-01	5.110E-04	5.035E-06	4.585E-03	1.028E-06	3.287E-13	0.	0.	9.600E+03
2.564E-06	2.391E-01	3.852E-04	4.906E-06	5.624E-03	1.173E-06	7.240E-13	0.	0.	9.800E+03
2.859E-06	2.371E-01	2.923E-04	4.758E-06	6.877E-03	1.327E-06	1.547E-12	0.	0.	1.000E+04
3.172E-06	2.213E-01	7.931E-05	4.605E-06	1.605E-02	2.171E-06	4.588E-11	0.	0.	1.100E+04
3.504E-06	1.944E-01	2.282E-05	3.605E-06	3.146E-02	2.903E-06	7.675E-10	0.	0.	1.200E+04
3.845E-06	1.570E-01	6.391E-06	2.010E-06	5.252E-02	3.155E-06	6.310E-09	4.415E-23	0.	1.300E+04
4.195E-06	1.143E-01	1.631E-06	1.148E-06	7.568E-02	2.762E-06	6.338E-08	5.634E-21	0.	1.400E+04
4.551E-06	7.470E-02	3.686E-07	5.562E-07	9.579E-02	1.962E-06	3.653E-07	4.017E-19	0.	1.500E+04
4.925E-06	4.482E-02	7.576E-08	2.372E-07	1.095E-01	1.174E-06	1.689E-06	1.804E-17	0.	1.600E+04
5.316E-06	2.570E-02	1.515E-08	9.503E-08	1.171E-01	6.307E-07	6.581E-06	5.557E-16	0.	1.700E+04
5.727E-06	1.466E-02	3.158E-09	3.804E-08	1.210E-01	3.239E-07	2.239E-05	1.243E-14	0.	1.800E+04
6.160E-06	8.542E-03	7.171E-10	1.581E-08	1.228E-01	1.663E-07	6.800E-05	2.099E-13	0.	1.900E+04
6.612E-06	5.148E-03	1.803E-10	6.923E-09	1.236E-01	8.746E-08	1.870E-04	2.781E-12	0.	2.000E+04
7.082E-06	3.219E-03	5.019E-11	3.203E-09	1.238E-01	4.758E-08	4.711E-04	2.907E-11	0.	2.100E+04
7.589E-06	2.085E-03	1.534E-11	1.557E-09	1.233E-01	2.682E-08	1.096E-03	2.510E-10	0.	2.200E+04
8.124E-06	1.392E-03	5.071E-12	7.881E-10	1.221E-01	1.583E-08	2.368E-03	1.811E-09	0.	2.300E+04
8.687E-06	9.512E-04	1.763E-12	4.093E-10	1.195E-01	9.354E-09	4.764E-03	3.110E-08	0.	2.400E+04
9.276E-06	6.594E-04	6.530E-13	2.145E-10	1.149E-01	5.706E-09	8.917E-03	5.798E-08	0.	2.500E+04
9.891E-06	4.386E-04	2.429E-13	1.110E-10	1.078E-01	3.510E-09	1.567E-02	2.408E-07	0.	2.600E+04
1.053E-05	3.158E-04	8.933E-14	5.540E-11	9.716E-02	2.152E-09	2.477E-02	1.011E-06	0.	2.700E+04
1.126E-05	2.134E-04	3.198E-14	2.420E-11	8.400E-02	1.302E-09	3.647E-02	3.390E-06	0.	2.800E+04
1.209E-05	1.406E-04	1.057E-14	8.936E-11	6.936E-02	7.713E-10	4.950E-02	9.930E-06	0.	2.900E+04
1.302E-05	9.023E-05	3.557E-15	4.887E-11	6.486E-02	4.465E-10	6.239E-02	2.574E-05	0.	3.000E+04
1.405E-05	5.947E-05	1.121E-15	1.923E-11	4.189E-02	2.533E-10	7.391E-02	6.023E-05	0.	3.100E+04
1.522E-05	3.512E-05	3.451E-16	7.362E-12	3.113E-02	1.422E-10	8.332E-02	1.291E-04	0.	3.200E+04
1.656E-05	2.165E-05	1.057E-16	2.794E-12	2.281E-02	7.952E-11	9.061E-02	2.579E-04	1.361E-10	3.300E+04
1.806E-05	1.337E-05	3.273E-17	1.059E-12	1.659E-02	4.462E-11	9.588E-02	4.858E-04	5.995E-10	3.400E+04

C-2

TABLE II. - Continued

T	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
3.500E+04	5.503E-31	4.734E-35	1.569E-25	5.578E-15	0.	5.145E-04	4.625E-14	1.271E-09	3.367E-01
3.600E+04	5.521E-31	1.771E-34	5.647E-26	2.622E-15	0.	4.525E-04	7.942E-14	9.497E-10	7.555E-01
3.700E+04	5.536E-31	0.	2.141E-26	1.260E-15	0.	4.712E-04	1.910E-14	7.586E-10	3.344E-02
3.800E+04	5.551E-31	0.	8.310E-27	6.191E-16	0.	3.583E-04	1.263E-14	4.177E-10	7.373E-01
3.900E+04	5.566E-31	0.	3.322E-27	3.100E-16	0.	3.220E-04	8.498E-15	4.991E-10	3.372E-01
4.000E+04	5.584E-31	0.	1.362E-27	1.578E-15	0.	2.911E-04	5.809E-15	4.084E-10	7.009E-01
4.100E+04	5.603E-31	0.	5.736E-28	8.137E-17	0.	2.644E-04	4.029E-15	3.770E-10	3.294E-01
4.200E+04	5.631E-31	0.	2.437E-28	4.226E-17	0.	2.412E-04	2.877E-15	2.798E-10	3.278E-01
4.300E+04	5.661E-31	0.	1.047E-28	2.276E-17	0.	2.239E-04	2.016E-15	2.335E-10	3.252E-01
4.400E+04	5.694E-31	0.	4.547E-29	1.153E-17	0.	2.070E-04	1.457E-15	1.998E-10	3.227E-01
4.500E+04	5.731E-31	0.	7.985E-29	6.016E-18	0.	1.972E-04	1.057E-15	1.651E-10	2.200E-01
4.600E+04	5.772E-31	0.	4.693E-29	3.139E-18	0.	1.731E-04	7.783E-16	1.198E-10	3.173E-01
4.700E+04	5.817E-31	0.	1.870E-29	1.674E-18	0.	1.606E-04	5.786E-16	7.197E-11	2.746E-01
4.800E+04	5.837E-31	0.	1.685E-30	8.414E-19	0.	1.493E-04	4.344E-16	5.077E-11	3.121E-01
4.900E+04	5.867E-31	0.	7.477E-31	4.340E-19	0.	1.392E-04	3.292E-16	3.784E-11	3.098E-01
5.000E+04	5.896E-31	0.	3.343E-31	2.264E-19	0.	1.301E-04	2.517E-16	2.605E-11	3.079E-01

P/P0 = 2.00E+00

T	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
5.000E+02	0.	1.474E-01	1.127E-20	1.378E-34	4.040E-29	3.945E-21	6.399E-01	9.701E-19	2.388E-21
6.000E+02	0.	2.400E-02	1.047E-17	8.791E-29	2.220E-25	2.812E-17	7.320E-01	8.540E-19	1.044E-20
7.000E+02	0.	5.334E-03	1.198E-15	1.138E-24	8.616E-23	1.550E-14	7.440E-01	8.116E-19	3.392E-20
8.000E+02	0.	1.639E-03	4.046E-14	1.347E-21	7.253E-21	1.778E-12	7.498E-01	7.597E-19	7.979E-20
9.000E+02	0.	6.407E-04	6.291E-13	3.386E-19	2.254E-19	7.170E-11	7.495E-01	6.877E-19	1.489E-19
1.000E+03	0.	2.949E-04	5.439E-12	2.784E-17	3.519E-18	1.391E-09	7.498E-01	6.022E-19	2.333E-19
1.100E+03	0.	1.593E-04	3.215E-11	1.025E-15	3.333E-17	1.584E-08	7.499E-01	5.141E-19	3.215E-19
1.200E+03	0.	9.436E-05	1.406E-10	2.049E-14	2.176E-16	1.208E-07	7.499E-01	4.326E-19	4.037E-19
1.300E+03	0.	4.020E-05	4.894E-10	2.637E-13	1.067E-15	6.772E-07	7.500E-01	3.624E-19	4.750E-19
1.400E+03	0.026E-36	4.108E-05	1.424E-09	2.333E-12	4.186E-15	2.977E-06	7.500E-01	3.045E-19	5.342E-19
1.500E+03	0.	2.953E-05	3.591E-09	1.544E-11	1.372E-14	1.077E-05	7.500E-01	2.576E-19	5.822E-19
1.600E+03	1.405E-28	2.215E-05	8.063E-09	8.365E-11	3.891E-14	3.324E-05	7.500E-01	2.201E-19	6.208E-19
1.700E+03	1.391E-25	1.722E-05	1.646E-08	3.469E-10	9.784E-14	9.012E-05	7.499E-01	1.901E-19	6.518E-19
1.800E+03	6.501E-23	1.378E-05	3.104E-08	1.269E-09	2.227E-13	2.190E-04	7.498E-01	1.659E-19	6.769E-19
1.900E+03	1.575E-20	1.130E-05	5.473E-08	4.050E-09	4.657E-13	4.852E-04	7.494E-01	1.489E-19	7.100E-19
2.000E+03	1.044E-18	9.466E-06	9.117E-08	1.151E-08	9.063E-13	9.938E-04	7.491E-01	2.898E-19	1.590E-18
2.100E+03	1.297E-17	8.067E-06	1.444E-07	2.959E-08	1.457E-12	1.903E-03	7.483E-01	1.677E-18	1.162E-17
2.200E+03	1.039E-16	6.975E-06	2.197E-07	6.981E-08	2.871E-12	3.436E-03	7.470E-01	1.302E-17	9.101E-17
2.300E+03	6.810E-16	6.102E-06	3.213E-07	1.527E-07	4.741E-12	5.894E-03	7.444E-01	7.733E-17	6.007E-16
2.400E+03	3.817E-15	5.387E-06	4.545E-07	3.127E-07	7.501E-12	9.668E-03	7.415E-01	3.973E-16	3.403E-15
2.500E+03	1.867E-14	4.789E-06	6.233E-07	6.034E-07	1.142E-11	1.523E-02	7.367E-01	1.792E-15	1.648E-14
2.600E+03	8.097E-14	4.275E-06	8.310E-07	1.105E-06	1.674E-11	2.314E-02	7.297E-01	7.198E-15	7.353E-14
2.700E+03	3.153E-13	3.823E-06	1.079E-06	1.928E-06	2.380E-11	3.403E-02	7.202E-01	2.609E-14	2.889E-13
2.800E+03	1.115E-12	3.416E-06	1.366E-06	3.221E-06	3.273E-11	4.856E-02	7.075E-01	8.570E-14	1.027E-12
2.900E+03	3.612E-12	3.043E-06	1.886E-06	5.170E-06	4.365E-11	6.741E-02	6.910E-01	2.95E-13	3.351E-12
3.000E+03	1.082E-11	2.693E-06	2.033E-06	7.994E-06	5.648E-11	9.119E-02	6.702E-01	7.55E-13	1.009E-11
3.100E+03	3.015E-11	2.363E-06	2.391E-06	1.193E-06	7.093E-11	1.204E-01	6.444E-01	1.887E-12	2.829E-11
3.200E+03	7.870E-11	2.050E-06	2.749E-06	1.724E-06	8.631E-11	1.553E-01	6.141E-01	4.590E-12	7.423E-11
3.300E+03	1.934E-10	1.753E-06	3.075E-06	2.412E-06	1.021E-10	1.960E-01	5.785E-01	1.049E-11	1.162E-10
3.400E+03	4.494E-10	1.474E-06	3.358E-06	3.276E-06	1.172E-10	2.420E-01	5.382E-01	2.258E-11	4.279E-10
3.500E+03	9.919E-10	1.210E-06	3.575E-06	4.322E-06	1.304E-10	2.927E-01	4.938E-01	4.597E-11	9.488E-10
3.600E+03	2.087E-09	9.424E-07	3.710E-06	5.548E-06	1.411E-10	3.449E-01	4.444E-01	8.876E-11	2.005E-09
3.700E+03	4.220E-09	7.764E-07	3.753E-06	6.939E-06	1.842E-10	4.032E-01	3.971E-01	1.630E-10	4.051E-09
3.800E+03	8.110E-09	5.999E-07	3.703E-06	4.468E-06	1.513E-10	4.597E-01	3.474E-01	2.894E-10	7.850E-09
3.900E+03	1.507E-08	4.534E-07	3.570E-06	1.010E-06	1.505E-10	5.140E-01	2.994E-01	4.778E-10	1.443E-08
4.000E+03	2.701E-08	3.354E-07	3.367E-06	1.180E-06	1.442E-10	5.667E-01	2.539E-01	7.669E-10	2.631E-08
4.100E+03	4.684E-08	2.439E-07	3.114E-06	1.354E-06	1.393E-10	6.142E-01	2.123E-01	1.184E-09	4.575E-08
4.200E+03	7.880E-08	1.746E-07	2.833E-06	1.528E-06	1.303E-10	6.563E-01	1.753E-01	1.765E-09	7.714E-08
4.300E+03	1.249E-07	1.235E-07	2.542E-06	1.700E-06	1.203E-10	6.924E-01	1.433E-01	2.548E-09	1.264E-07
4.400E+03	2.055E-07	4.668E-08	2.256E-06	1.888E-06	1.098E-10	7.233E-01	1.163E-01	3.375E-09	2.078E-07
4.500E+03	3.200E-07	6.359E-08	1.987E-06	2.033E-06	9.949E-11	7.486E-01	9.398E-02	4.892E-09	3.144E-07
4.600E+03	4.679E-07	4.230E-08	1.740E-06	2.194E-06	8.945E-11	7.691E-01	7.572E-02	6.531E-09	4.799E-07
4.700E+03	7.294E-07	2.958E-08	1.519E-06	2.351E-06	8.048E-11	7.855E-01	6.098E-02	8.606E-09	7.176E-07
4.800E+03	1.071E-06	2.077E-08	1.324E-06	2.503E-06	7.209E-11	7.985E-01	4.914E-02	1.112E-08	1.053E-06
4.900E+03	1.947E-06	1.466E-08	1.133E-06	2.650E-06	6.450E-11	8.088E-01	3.973E-02	1.415E-08	1.520E-06
5.000E+03	2.201E-06	1.041E-08	1.004E-06	2.793E-06	5.764E-11	8.164E-01	3.222E-02	1.778E-08	2.161E-06
5.100E+03	4.274E-06	5.362E-09	7.638E-07	3.044E-06	4.606E-11	8.266E-01	2.146E-02	2.714E-08	4.188E-06
5.200E+03	7.904E-06	2.843E-09	5.840E-07	3.309E-06	3.674E-11	8.316E-01	1.456E-02	3.985E-08	7.683E-06
5.300E+03	1.401E-05	1.550E-09	4.886E-07	3.522E-06	2.921E-11	8.328E-01	1.007E-02	5.460E-08	1.350E-05
5.400E+03	2.390E-05	8.648E-10	3.456E-07	3.693E-06	2.307E-11	8.311E-01	7.091E-03	7.806E-08	2.276E-05
5.500E+03	3.943E-05	4.922E-10	2.664E-07	3.811E-06	1.803E-11	8.271E-01	5.081E-03	3.699E-08	3.699E-05
5.600E+03	6.313E-05	2.845E-10	2.050E-07	3.867E-06	1.388E-11	8.122E-01	3.698E-03	1.764E-07	5.812E-05
5.700E+03	9.837E-05	1.664E-10	1.570E-07	3.853E-06	1.049E-11	8.137E-01	2.732E-03	1.766E-07	6.859E-05
5.800E+03	1.496E-04	9.414E-11	1.195E-07	3.767E-06	7.743E-12	8.051E-01	2.047E-03	2.225E-07	1.314E-04
5.900E+03	2.223E-04	5.829E-11	9.036E-08	3.612E-06	5.577E-12	7.960E-01	1.559E-03	2.759E-07	1.901E-04
6.000E+03	3.234E-04	3.484E-11	6.781E-08	3.398E-06	3.916E-12	7.870E-01	1.198E-03	3.376E-07	2.694E-04
6.100E+03	4.620E-04	2.097E-11	5.059E-08	3.140E-06	2.688E-12	7.788E-01	9.363E-04	4.088E-07	3.745E-04
6.200E+03	6.474E-04	1.273E-11	3.759E-08	2.859E-06	1.804E-12	7.713E-01	7.425E-04	4.910E-07	5.123E-04
6.300E+03	8.923E-04	7.811E-12	2.789E-08	2.571E-06	1.198E-12	7.651E-01	5.970E-04	5.860E-07	6.900E-04
6.400E+03	1.210E-03	4.554E-12	2.073E-08	2.293E-06	7.877E-13	7.602E-01	4.863E-04	6.953E-07	9.196E-04
6.500E+03	1.617E-03	3.059E-12	1.547E-08	2.034E-06	5.170E-13	7.562E-01	4.009E-04	8.209E-07	1.209E-03
6.600E+03	2.130E-03	1.957E-12	1.161E-08	1.800E-06	3.402E-13	7.530E-01	3.340E-04	6.631E-07	1.572E-03
6.700E+03	2.771E-03	1.272E-12	8.770E-09	1.592E-06	2.253E-13	7.503E-01	2.809E-04	5.022E-07	2.022E-03
6.800E+03	3.562E-03	8.387E-13	6.678E-09	1.410E-06	1.505E-13	7.479E-01	2.382E-04	1.305E-06	2.573E-03
6.900E+03	4.729E-03	5.614E-13	5.125E-09	1.250E-06	1.015E-13	7.454E-01	2.035E-04	1.505E-06	3.242E-03

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
6.680E-10	4.323E-06	1.034E-17	4.060E-14	1.206E-02	2.520E-11	9.940E-02	8.717E-04	2.364E-09	3.500E+04
5.374E-10	5.233E-06	3.352E-18	1.585E-14	8.785E-03	1.450E-11	1.017E-01	1.570E-03	8.492E-09	3.400E+04
4.401E-10	3.329E-06	1.118E-18	6.323E-15	6.429E-03	8.441E-12	1.027E-01	2.485E-03	2.959E-08	3.700E+04
3.659E-10	2.141E-06	3.836E-19	2.574E-15	4.726E-03	4.983E-12	1.025E-01	3.977E-03	9.373E-08	3.800E+04
3.086E-10	1.390E-06	1.349E-19	1.047E-15	3.444E-03	2.979E-12	1.012E-01	6.152E-03	2.774E-07	3.900E+04
2.636E-10	9.093E-07	4.834E-20	4.476E-16	2.575E-03	1.799E-12	9.843E-02	9.200E-03	7.688E-07	4.000E+04
2.284E-10	5.470E-07	1.755E-20	1.891E-16	1.899E-03	1.094E-12	9.448E-02	1.329E-02	1.997E-06	4.100E+04
2.000E-10	3.921E-07	6.412E-21	7.985E-17	1.394E-03	6.442E-13	8.932E-02	1.851E-02	4.864E-06	4.200E+04
1.788E-10	2.567E-07	2.339E-21	3.340E-17	1.016E-03	4.080E-13	8.261E-02	2.445E-02	1.113E-05	4.300E+04
1.578E-10	1.670E-07	8.464E-22	1.345E-17	7.375E-04	2.442E-13	7.477E-02	3.211E-02	2.397E-05	4.400E+04
1.419E-10	1.077E-07	3.026E-22	5.637E-18	5.220E-04	1.502E-13	6.619E-02	3.998E-02	4.847E-05	4.500E+04
1.285E-10	6.883E-08	1.067E-22	2.252E-18	3.674E-04	9.019E-14	5.732E-02	4.873E-02	5.279E-05	4.600E+04
1.170E-10	4.358E-08	3.707E-23	4.836E-19	2.557E-04	5.376E-14	4.844E-02	5.584E-02	1.687E-04	4.700E+04
1.071E-10	2.737E-08	1.274E-23	3.417E-19	1.762E-04	3.184E-14	4.058E-02	6.303E-02	2.925E-04	4.800E+04
9.840E-11	1.710E-08	4.343E-24	1.308E-19	1.206E-04	1.477E-14	3.335E-02	6.937E-02	4.865E-04	4.900E+04
9.074E-11	1.064E-08	1.477E-24	4.978E-20	8.215E-05	1.104E-14	2.709E-02	7.470E-02	7.799E-04	5.000E+04

P/PO = 2.00E+00

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	2.132E-01	4.835E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.440E-01	7.355E-21	0.	0.	0.	0.	0.	6.000E+02
0.	2.362E-33	2.487E-01	1.061E-20	0.	0.	0.	0.	0.	7.000E+02
0.	6.406E-29	2.496E-01	1.353E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.811E-25	2.498E-01	1.552E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.052E-22	2.499E-01	1.636E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.928E-20	2.500E-01	1.670E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.449E-18	2.500E-01	1.578E-20	0.	0.	0.	0.	0.	1.200E+03
0.	5.911E-17	2.500E-01	1.422E-20	4.288E-32	0.	0.	0.	0.	1.300E+03
0.	1.340E-15	2.500E-01	1.297E-20	4.693E-31	0.	0.	0.	0.	1.400E+03
0.	2.150E-14	2.500E-01	1.175E-20	5.473E-30	0.	0.	0.	0.	1.500E+03
0.	2.365E-13	2.500E-01	1.066E-20	2.197E-29	0.	0.	0.	0.	1.600E+03
0.	1.969E-12	2.500E-01	9.873E-21	1.656E-28	0.	0.	0.	0.	1.700E+03
0.	1.292E-11	2.500E-01	8.815E-21	4.235E-28	0.	0.	0.	0.	1.800E+03
1.4939E-26	4.476E-11	2.499E-01	8.216E-21	1.444E-27	0.	0.	0.	0.	1.900E+03
7.067E-24	3.144E-10	2.499E-01	1.653E-23	9.888E-27	5.006E-30	0.	0.	0.	2.000E+03
6.706E-22	1.254E-09	2.498E-01	1.116E-19	1.964E-25	2.275E-28	0.	0.	0.	2.100E+03
1.149E-20	4.392E-09	2.496E-01	7.854E-19	3.706E-24	5.490E-27	0.	0.	0.	2.200E+03
1.040E-18	1.376E-08	2.493E-01	4.783E-18	5.539E-23	1.123E-25	0.	0.	0.	2.300E+03
7.342E-18	3.918E-08	2.488E-01	2.515E-17	6.438E-22	1.667E-24	0.	0.	0.	2.400E+03
4.426E-17	1.026E-07	2.481E-01	1.159E-16	6.539E-21	1.990E-23	0.	0.	0.	2.500E+03
2.314E-16	2.446E-07	2.471E-01	4.762E-16	5.413E-20	1.457E-22	0.	0.	0.	2.600E+03
1.064E-15	5.683E-07	2.457E-01	1.763E-15	3.839E-19	1.621E-21	0.	0.	0.	2.700E+03
4.377E-15	1.718E-06	2.439E-01	5.952E-15	2.372E-18	1.150E-20	0.	0.	0.	2.800E+03
1.621E-14	2.475E-06	2.416E-01	1.849E-14	1.295E-17	7.097E-20	0.	0.	0.	2.900E+03
5.463E-14	0.006	2.386E-01	5.337E-14	6.329E-17	3.462E-19	0.	0.	0.	3.000E+03
1.682E-13	8.476E-06	2.349E-01	1.441E-13	2.798E-16	1.874E-18	0.	0.	0.	3.100E+03
4.809E-13	1.579E-05	2.306E-01	3.651E-13	1.130E-15	8.188E-18	0.	0.	0.	3.200E+03
1.272E-12	2.707E-05	2.255E-01	8.751E-13	4.201E-15	3.250E-17	0.	0.	0.	3.300E+03
3.135E-12	4.446E-05	2.197E-01	1.994E-12	1.451E-14	1.181E-16	0.	0.	0.	3.400E+03
7.238E-12	7.206E-05	2.133E-01	4.340E-12	4.681E-14	3.956E-16	0.	0.	0.	3.500E+03
1.570E-11	1.125E-04	2.065E-01	9.081E-12	1.421E-13	1.229E-15	0.	0.	0.	3.600E+03
3.214E-11	1.712E-04	1.995E-01	1.823E-11	4.079E-13	3.564E-15	0.	0.	0.	3.700E+03
6.223E-11	2.544E-04	1.923E-01	3.548E-11	1.113E-12	9.695E-15	0.	0.	0.	3.800E+03
1.144E-10	3.701E-04	1.854E-01	6.705E-11	2.901E-12	2.486E-14	0.	0.	0.	3.900E+03
2.035E-10	5.243E-04	1.788E-01	1.235E-10	7.252E-12	6.042E-14	0.	0.	0.	4.000E+03
3.361E-10	7.412E-04	1.727E-01	2.221E-10	1.744E-11	1.397E-13	0.	0.	0.	4.100E+03
5.409E-10	1.024E-03	1.672E-01	3.913E-10	4.049E-11	3.087E-13	0.	0.	0.	4.200E+03
8.392E-10	1.345E-03	1.625E-01	6.764E-10	9.095E-11	6.549E-13	0.	0.	0.	4.300E+03
1.260E-09	1.875E-03	1.583E-01	1.149E-09	1.980E-10	1.340E-12	0.	0.	0.	4.400E+03
1.838E-09	2.492E-03	1.544E-01	1.917E-09	4.186E-10	2.646E-12	0.	0.	0.	4.500E+03
2.613E-09	3.274E-03	1.517E-01	3.147E-09	8.429E-10	5.059E-12	0.	0.	0.	4.600E+03
3.631E-09	4.256E-03	1.490E-01	5.081E-09	1.721E-09	9.393E-12	0.	0.	0.	4.700E+03
4.950E-09	5.475E-03	1.466E-01	8.070E-09	3.355E-09	1.647E-11	0.	0.	0.	4.800E+03
6.628E-09	6.974E-03	1.444E-01	1.261E-08	6.376E-09	2.987E-11	0.	0.	0.	4.900E+03
8.738E-09	8.800E-03	1.423E-01	2.949E-08	1.183E-08	5.133E-11	0.	0.	0.	5.000E+03
1.457E-08	1.363E-02	1.380E-01	4.370E-08	3.802E-08	1.148E-10	0.	0.	0.	5.200E+03
2.319E-08	2.037E-02	1.332E-01	9.249E-08	1.121E-07	3.609E-10	0.	0.	0.	5.400E+03
3.548E-08	2.944E-02	1.273E-01	1.841E-07	3.046E-07	8.528E-10	0.	0.	0.	5.600E+03
5.247E-08	4.114E-02	1.202E-01	3.446E-07	7.691E-07	1.882E-09	3.393E-25	0.	0.	5.800E+03
7.531E-08	5.582E-02	1.115E-01	6.072E-07	1.838E-06	3.896E-09	3.782E-24	0.	0.	6.000E+03
1.053E-07	7.328E-02	1.013E-01	1.007E-06	3.973E-06	7.066E-09	3.567E-23	0.	0.	6.200E+03
1.437E-07	9.320E-02	8.980E-02	1.570E-06	8.190E-06	1.402E-08	2.880E-22	0.	0.	6.400E+03
1.922E-07	1.148E-01	7.734E-02	2.300E-06	1.588E-05	2.445E-08	2.013E-21	0.	0.	6.600E+03
2.522E-07	1.371E-01	6.454E-02	3.169E-06	2.903E-05	4.746E-08	1.230E-20	0.	0.	6.800E+03
3.355E-07	1.587E-01	5.213E-02	4.111E-06	5.022E-05	6.368E-08	6.644E-20	0.	0.	7.000E+03
4.440E-07	1.784E-01	4.079E-02	5.039E-06	6.254E-05	9.558E-08	3.201E-19	0.	0.	7.200E+03
5.795E-07	1.954E-01	3.103E-02	5.869E-06	1.295E-04	1.374E-07	1.390E-18	0.	0.	7.400E+03
6.442E-07	2.092E-01	2.307E-02	6.545E-06	1.951E-04	1.900E-07	5.499E-18	0.	0.	7.600E+03
7.499E-07	2.198E-01	1.648E-02	7.046E-06	2.837E-04	2.942E-07	2.001E-17	0.	0.	7.800E+03
9.584E-07	2.277E-01	1.223E-02	7.382E-06	4.004E-04	3.306E-07	6.755E-17	0.	0.	8.000E+03
1.151E-06	2.334E-01	8.831E-03	7.560E-06	5.511E-04	4.200E-07	2.134E-16	0.	0.	8.200E+03
1.370E-06	2.373E-01	6.381E-03	7.672E-06	7.427E-04	5.231E-07	6.349E-16	0.	0.	8.400E+03
1.618E-06	2.403E-01	4.624E-03	7.686E-06	9.828E-04	6.409E-07	1.790E-15	0.	0.	8.600E+03
1.890E-06	2.416E-01	3.379E-03	7.644E-06	1.280E-03	7.740E-07	4.803E-15	0.	0.	8.800E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	5.697E-03	3.810E-13	3.964E-09	1.111E-C4	6.910E-14	7.433E-01	1.749E-04	1.727E-06	4.047E-03
9.200E+03	7.098E-03	2.620E-13	3.089E-09	9.903E-05	4.765E-14	7.408E-01	1.512E-04	1.970E-06	5.006E-03
9.400E+03	8.763E-03	1.823E-13	2.424E-09	8.847E-05	3.316E-14	7.381E-01	1.314E-04	2.234E-06	6.140E-03
9.600E+03	1.072E-02	1.263E-13	1.915E-09	7.922E-05	2.329E-14	7.351E-01	1.147E-04	2.520E-06	7.470E-03
9.800E+03	1.302E-02	9.121E-14	1.521E-09	7.110E-05	1.651E-14	7.317E-01	1.005E-04	2.827E-06	9.019E-03
1.000E+04	1.568E-02	6.542E-14	1.215E-09	6.393E-05	1.179E-14	7.278E-01	8.834E-05	3.154E-06	1.081E-02
1.100E+04	1.878E-02	4.747E-14	8.477E-10	5.818E-05	8.290E-15	6.990E-01	7.800E-05	3.504E-06	1.242E-02
1.200E+04	2.225E-02	3.130E-15	5.486E-10	5.265E-05	5.201E-16	6.502E-01	6.600E-05	3.860E-06	1.407E-02
1.300E+04	2.613E-02	1.933E-16	3.707E-11	4.746E-05	3.507E-17	5.777E-01	6.133E-05	4.229E-06	1.574E-02
1.400E+04	3.049E-02	1.157E-16	2.402E-12	4.248E-05	2.344E-17	4.836E-01	5.203E-05	4.599E-06	1.751E-02
1.500E+04	3.535E-02	7.188E-17	1.529E-13	3.792E-05	1.500E-18	3.773E-01	4.260E-05	4.985E-06	1.938E-02
1.600E+04	4.074E-02	4.262E-18	8.781E-14	3.433E-05	9.233E-19	2.735E-01	3.310E-05	5.376E-06	2.136E-02
1.700E+04	4.669E-02	2.301E-19	4.648E-15	3.127E-05	5.082E-20	1.858E-01	2.303E-05	5.770E-06	2.344E-02
1.800E+04	5.326E-02	1.203E-20	2.338E-16	2.852E-05	2.662E-21	1.208E-01	1.617E-07	6.164E-07	2.562E-02
1.900E+04	6.059E-02	5.690E-21	1.021E-17	2.611E-05	1.392E-22	7.715E-02	5.332E-08	6.559E-08	2.790E-02
2.000E+04	6.874E-02	2.666E-22	4.554E-18	2.392E-05	7.199E-23	4.944E-02	1.786E-08	7.020E-08	3.030E-02
2.100E+04	7.784E-02	1.164E-19	1.641E-16	2.232E-05	4.232E-24	3.227E-02	6.236E-09	7.266E-07	3.271E-02
2.200E+04	8.794E-02	3.652E-24	3.448E-17	2.054E-05	2.216E-25	2.298E-09	2.298E-09	7.441E-07	3.420E-02
2.300E+04	9.918E-02	1.556E-25	7.955E-18	1.894E-05	1.149E-26	1.490E-02	8.976E-10	7.778E-07	3.573E-02
2.400E+04	1.126E-01	6.210E-26	2.004E-19	1.733E-05	5.800E-27	1.059E-02	3.715E-10	1.172E-07	3.724E-02
2.500E+04	1.279E-01	1.458E-26	5.463E-19	1.608E-05	9.273E-28	7.736E-03	1.624E-10	1.172E-07	3.884E-02
2.600E+04	1.451E-01	2.847E-27	1.593E-19	1.460E-05	6.702E-11	5.806E-03	7.472E-11	7.881E-08	4.054E-02
2.700E+04	1.645E-01	6.016E-28	4.898E-20	1.314E-05	3.330E-29	4.445E-03	3.602E-11	5.413E-08	4.244E-02
2.800E+04	1.861E-01	1.354E-28	1.568E-20	1.149E-05	1.781E-30	3.511E-03	1.812E-11	3.780E-08	4.444E-02
2.900E+04	2.101E-01	3.200E-29	5.158E-21	7.139E-06	1.400E-30	2.817E-03	9.474E-12	2.946E-08	4.644E-02
3.000E+04	2.357E-01	7.844E-30	1.727E-21	3.401E-06	2.894E-31	2.301E-03	5.132E-12	1.950E-08	4.844E-02
3.100E+04	2.639E-01	1.981E-30	5.857E-22	1.610E-06	5.944E-32	1.909E-03	2.870E-12	1.432E-08	5.044E-02
3.200E+04	2.948E-01	5.147E-31	2.010E-22	7.545E-13	1.215E-32	1.607E-03	1.644E-12	1.069E-08	5.244E-02
3.300E+04	3.297E-01	1.378E-31	7.006E-23	3.568E-13	2.489E-33	1.370E-03	9.795E-13	8.094E-09	5.444E-02
3.400E+04	3.684E-01	3.811E-32	2.449E-23	1.686E-13	5.172E-34	1.181E-03	5.952E-13	6.221E-09	5.644E-02
3.500E+04	4.111E-01	1.094E-32	9.059E-24	8.048E-14	0.	1.029E-03	3.703E-13	4.848E-09	5.844E-02
3.600E+04	4.588E-01	3.262E-33	3.388E-24	3.897E-14	0.	9.052E-04	2.355E-13	3.826E-09	6.044E-02
3.700E+04	5.115E-01	1.013E-33	1.304E-24	1.919E-14	5.534E-36	8.026E-04	1.529E-13	3.055E-09	6.244E-02
3.800E+04	5.692E-01	3.273E-34	5.173E-25	9.632E-15	0.	7.168E-04	1.011E-13	2.464E-09	6.444E-02
3.900E+04	6.319E-01	1.098E-34	2.112E-25	4.924E-15	0.	6.443E-04	6.804E-14	2.005E-09	6.644E-02
4.000E+04	7.000E-01	3.817E-35	8.855E-26	2.562E-15	0.	5.825E-04	4.653E-14	1.645E-09	6.844E-02
4.100E+04	7.737E-01	0.	3.805E-26	1.354E-15	0.	5.293E-04	3.230E-14	1.360E-09	7.044E-02
4.200E+04	8.535E-01	0.	1.670E-26	7.251E-16	0.	4.731E-04	2.273E-14	1.132E-09	7.244E-02
4.300E+04	9.394E-01	0.	7.461E-27	3.923E-16	0.	4.227E-04	1.620E-14	9.439E-10	7.444E-02
4.400E+04	1.032E-01	0.	3.380E-27	2.137E-16	0.	4.072E-04	1.168E-14	7.945E-10	7.644E-02
4.500E+04	1.135E-01	0.	1.548E-27	1.169E-16	0.	3.757E-04	8.510E-15	6.731E-10	7.844E-02
4.600E+04	1.244E-01	0.	7.138E-28	6.401E-17	0.	3.476E-04	6.276E-15	5.714E-10	8.044E-02
4.700E+04	1.360E-01	0.	3.310E-28	3.503E-17	0.	3.226E-04	4.670E-15	4.872E-10	8.244E-02
4.800E+04	1.483E-01	0.	1.540E-28	1.914E-17	0.	3.000E-04	3.508E-15	4.174E-10	8.444E-02
4.900E+04	1.614E-01	0.	7.194E-29	1.044E-17	0.	2.798E-04	2.658E-15	3.592E-10	8.644E-02
5.000E+04	1.754E-01	0.	3.373E-29	5.687E-18	0.	2.614E-04	2.032E-15	3.104E-10	8.844E-02

P/PD = 3.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	1.964E-01	1.263E-20	1.299E-34	5.383E-29	3.143E-21	6.027E-01	1.012E-18	2.095E-21
6.000E+02	0.	3.518E-02	1.261E-17	8.690E-29	3.255E-25	2.283E-17	7.236E-01	8.653E-19	8.852E-21
7.000E+02	0.	7.959E-03	1.481E-15	1.139E-24	1.288E-22	1.264E-14	7.440E-01	8.197E-19	2.801E-20
8.000E+02	0.	2.455E-03	4.954E-14	1.368E-21	1.086E-20	1.451E-12	7.482E-01	7.735E-19	6.637E-20
9.000E+02	0.	9.635E-04	7.589E-13	3.385E-19	3.381E-19	5.853E-11	7.493E-01	7.107E-19	1.256E-19
1.000E+03	0.	4.482E-04	6.682E-12	2.783E-17	9.276E-18	1.136E-09	7.497E-01	6.341E-19	2.006E-19
1.100E+03	0.	2.389E-04	3.937E-11	1.925E-15	4.999E-17	1.293E-08	7.498E-01	5.523E-19	2.821E-19
1.200E+03	0.	1.411E-04	1.722E-10	2.069E-14	3.263E-16	9.867E-08	7.499E-01	4.738E-19	3.611E-19
1.300E+03	0.	9.029E-05	9.993E-10	2.837E-13	1.601E-15	5.529E-07	7.499E-01	4.038E-19	4.321E-19
1.400E+03	0.	6.162E-05	1.744E-09	2.333E-12	6.278E-15	2.430E-06	7.500E-01	3.441E-19	4.929E-19
1.500E+03	0.	4.429E-05	4.397E-09	1.544E-11	2.058E-14	8.794E-06	7.500E-01	2.946E-19	5.436E-19
1.600E+03	6.116E-29	3.323E-05	9.875E-09	8.065E-11	5.836E-14	7.716E-05	7.500E-01	2.541E-19	5.952E-19
1.700E+03	7.973E-26	2.582E-05	2.016E-08	3.469E-10	1.468E-13	7.359E-05	7.499E-01	2.211E-19	6.192E-19
1.800E+03	3.702E-23	2.067E-05	3.802E-08	1.269E-09	3.340E-13	1.788E-04	7.498E-01	1.942E-19	6.471E-19
1.900E+03	9.031E-21	1.496E-05	6.704E-08	4.050E-09	6.986E-13	3.961E-04	7.496E-01	1.735E-19	6.770E-19
2.000E+03	7.134E-19	1.420E-05	1.117E-07	1.151E-08	1.360E-12	8.113E-04	7.493E-01	2.828E-19	1.266E-18
2.100E+03	9.824E-18	1.211E-05	1.772E-07	2.960E-08	2.488E-12	1.554E-03	7.488E-01	1.707E-18	8.679E-18
2.200E+03	7.785E-17	1.048E-05	2.693E-07	6.985E-07	4.311E-12	2.807E-03	7.475E-01	1.162E-17	6.629E-17
2.300E+03	5.091E-16	9.172E-06	3.942E-07	1.929E-07	7.123E-12	4.817E-03	7.458E-01	6.904E-17	4.376E-16
2.400E+03	2.832E-15	8.110E-06	5.980E-07	3.131E-07	1.129E-11	7.902E-03	7.431E-01	3.553E-16	2.482E-15
2.500E+03	1.394E-14	7.224E-06	7.885E-07	6.048E-07	1.720E-11	1.274E-02	7.391E-01	1.605E-15	1.228E-14
2.600E+03	6.044E-14	6.468E-06	1.024E-06	1.109E-06	2.532E-11	1.894E-02	7.334E-01	6.461E-15	5.376E-14
2.700E+03	2.353E-13	5.808E-06	1.333E-06	1.938E-06	3.608E-11	2.789E-02	7.256E-01	2.344E-14	2.113E-13
2.800E+03	8.320E-13	5.219E-06	1.694E-06	3.246E-06	4.988E-11	3.986E-02	7.151E-01	7.766E-14	7.532E-13
2.900E+03	2.898E-12	4.683E-06	2.103E-06	5.225E-06	6.888E-11	5.343E-02	7.013E-01	2.392E-13	2.461E-12
3.000E+03	8.086E-12	4.184E-06	2.552E-06	8.110E-06	8.721E-11	7.323E-02	6.842E-01	6.606E-13	7.478E-12
3.100E+03	2.257E-11	3.716E-06	3.028E-06	1.217E-05	1.106E-10	9.968E-02	6.628E-01	1.729E-12	2.086E-11
3.200E+03	5.900E-11	3.271E-06	3.512E-06	1.788E-05	1.362E-10	1.292E-01	6.370E-01	4.234E-12	5.889E-11
3.300E+03	1.453E-10	2.848E-06	3.984E-06	2.492E-05	1.637E-10	1.639E-01	6.066E-01	9.754E-12	1.360E-10

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.193E-06	2.425E-01	2.484E-03	1.563E-06	1.645E-03	9.230E-07	1.232E-14	0.	0.	9.000E+03
2.524E-06	2.429E-01	1.840F-03	7.453E-06	2.086E-03	2.086E-06	3.031E-14	0.	0.	9.200E+03
2.884E-06	2.427E-01	1.375E-03	7.324E-06	2.617E-03	1.270E-06	7.174E-14	0.	0.	9.400E+03
3.271E-06	2.422E-01	1.035E-03	7.179E-06	3.248E-03	1.469E-06	1.630E-13	0.	0.	9.600E+03
3.684E-06	2.413E-01	7.848F-04	7.022E-06	3.993E-03	1.483E-06	3.615E-13	0.	0.	9.800E+03
4.123E-06	2.401E-01	5.995E-04	6.856E-06	4.864E-03	1.912E-06	7.733E-13	0.	0.	1.000E+04
4.581E-06	2.292E-01	1.700E-04	5.900E-06	1.157E-02	3.228E-06	2.292E-11	0.	0.	1.100E+04
9.052E-06	2.091E-01	5.280E-05	4.763E-06	2.318E-02	4.559E-06	3.874E-10	0.	0.	1.200E+04
1.075E-05	1.745E-01	1.672E-05	3.510E-06	4.008E-02	5.407E-06	4.232E-09	1.501E-23	0.	1.300E+04
1.096E-05	1.426E-01	5.078E-06	2.297E-06	4.069E-02	5.362E-06	3.267E-08	1.867E-21	0.	1.400E+04
9.567E-06	1.037E-01	1.419E-06	1.313E-06	8.146E-02	4.461E-06	1.905E-07	1.284E-19	0.	1.500E+04
7.177E-06	6.928E-02	3.620E-07	6.804E-07	9.805E-02	3.116E-06	8.860E-07	5.515E-18	0.	1.600E+04
4.729E-06	4.347E-02	8.668E-08	3.024E-07	1.102E-01	1.108E-06	3.443E-06	1.617E-16	0.	1.700E+04
2.840E-06	2.643E-02	2.053E-08	1.328E-07	1.170E-01	1.088E-06	1.162E-05	3.450E-15	0.	1.800E+04
1.621E-06	1.633E-02	5.053E-09	5.827E-08	1.206E-01	7.968E-07	3.494E-05	5.641E-14	0.	1.900E+04
9.109E-07	9.904E-03	1.335E-09	2.638E-08	1.224E-01	3.268E-07	9.538E-05	7.248E-13	0.	2.000E+04
5.157E-07	6.249E-03	3.832E-10	1.247E-08	1.233E-01	1.824E-07	2.392E-04	7.524E-12	0.	2.100E+04
2.980E-07	4.119E-03	1.197E-10	6.161E-09	1.235E-01	1.044E-07	5.559E-04	6.453E-11	0.	2.200E+04
1.768E-07	2.779E-03	4.043E-11	3.173E-09	1.231E-01	1.678E-08	1.206E-03	4.658E-10	0.	2.300E+04
1.380E-07	1.924E-03	1.460E-11	1.650E-09	1.219E-01	3.752E-08	2.451E-03	2.875E-09	0.	2.400E+04
4.792E-08	1.360E-03	5.556E-12	9.207E-10	1.195E-01	2.333E-08	4.679E-03	1.535E-08	0.	2.500E+04
4.398E-08	9.738E-04	2.192E-12	5.060E-10	1.154E-01	1.476E-08	8.390E-03	7.143E-07	0.	2.600E+04
2.929E-08	7.002E-04	8.800E-13	2.759E-10	1.091E-01	9.420E-09	1.409E-02	2.913E-07	0.	2.700E+04
2.005E-08	5.009E-04	3.522E-13	1.464E-10	1.041E-01	6.014E-09	2.209E-02	1.043E-06	0.	2.800E+04
1.409E-08	3.534E-04	1.380E-13	7.478E-11	8.876E-02	3.807E-09	3.225E-02	3.295E-06	0.	2.900E+04
1.014E-08	2.444E-04	5.232E-14	3.625E-11	7.570E-02	2.374E-09	3.388E-02	9.232E-06	0.	3.000E+04
7.459E-09	1.654E-04	1.910E-14	1.667E-11	6.218E-02	1.454E-09	5.490E-02	2.319E-05	0.	3.100E+04
5.631E-09	1.097E-04	6.708E-15	7.322E-12	4.942E-02	8.747E-10	6.722E-02	5.290E-05	0.	3.200E+04
4.287E-09	7.189E-05	2.319E-15	3.106E-12	3.826E-02	5.196E-10	7.706E-02	1.111E-04	0.	3.300E+04
3.341E-09	4.849E-05	7.892E-16	1.291E-12	2.912E-02	3.805E-10	8.508E-02	2.779E-04	1.339E-10	3.400E+04
2.646E-09	3.031E-05	2.687E-16	5.324E-13	2.193E-02	1.807E-10	9.126E-02	4.034E-04	5.518E-10	3.500E+04
2.136E-09	1.944E-05	9.214E-17	2.204E-13	1.643E-02	1.070E-10	9.580E-02	7.116E-04	2.077E-09	3.600E+04
1.750E-09	1.267E-05	3.240E-17	9.218E-14	1.231E-02	6.388E-11	9.891E-02	1.204E-03	7.213E-09	3.700E+04
1.456E-09	8.326E-06	1.160E-17	3.914E-14	9.240E-03	3.854E-11	1.008E-01	1.965E-03	2.329E-08	3.800E+04
1.228E-09	5.519E-06	4.253E-18	1.690E-14	6.957E-03	2.352E-11	1.015E-01	3.103E-03	7.035E-08	3.900E+04
1.050E-09	3.689E-06	1.591E-18	7.411E-15	5.254E-03	1.451E-11	1.012E-01	4.749E-03	1.996E-07	4.000E+04
9.082E-10	2.443E-06	6.073E-19	3.293E-15	3.976E-03	9.240E-12	9.980E-02	7.051E-03	5.335E-07	4.100E+04
7.946E-10	1.679E-06	2.352E-19	1.477E-15	3.010E-03	5.677E-12	9.720E-02	1.015E-02	1.346E-06	4.200E+04
7.321E-10	1.138E-06	9.201E-20	6.650E-16	2.275E-03	3.584E-12	9.338E-02	1.418E-02	3.206E-06	4.300E+04
6.261E-10	7.715E-07	3.614E-20	2.991E-16	1.711E-03	2.267E-12	8.832E-02	1.918E-02	7.225E-06	4.400E+04
5.627E-10	5.213E-07	1.416E-20	1.337E-16	1.279E-03	1.426E-12	8.210E-02	2.510E-02	1.541E-05	4.500E+04
5.044E-10	3.504E-07	5.530E-21	5.915E-17	9.478E-04	9.065E-13	7.493E-02	3.181E-02	3.113E-05	4.600E+04
4.634E-10	2.339E-07	2.136E-21	2.581E-17	6.957E-04	5.694E-13	6.709E-02	3.903E-02	5.974E-05	4.700E+04
4.246E-10	1.549E-07	8.162E-22	1.110E-17	5.055E-04	3.558E-13	5.898E-02	4.643E-02	1.092E-04	4.800E+04
3.904E-10	1.019E-07	3.083E-22	4.702E-18	3.639E-04	2.208E-13	5.095E-02	5.367E-02	1.906E-04	4.900E+04
3.633E-10	6.651E-08	1.154E-22	1.968E-18	2.597E-04	1.364E-13	4.334E-02	6.046E-02	3.193E-04	5.000E+04

P/PQ = 3.00E+00

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	2.004E-01	4.835E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.412E-01	7.452E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.920E-33	2.400E-01	1.072E-20	0.	0.	0.	0.	0.	7.000E+02
0.	5.220E-29	2.494E-01	1.378E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.479E-25	2.498E-01	1.604E-20	0.	0.	0.	0.	0.	9.000E+02
0.	8.345E-23	2.499E-01	1.723E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.575E-20	2.499E-01	1.741E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.216E-18	2.500E-01	1.684E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.827E-17	2.500E-01	1.584E-20	3.930E-32	0.	0.	0.	0.	1.300E+03
0.	1.135E-15	2.500E-01	1.466E-20	4.331E-31	0.	0.	0.	0.	1.400E+03
0.	1.756E-14	2.503E-01	1.745E-20	3.429E-30	0.	0.	0.	0.	1.500E+03
0.	1.931E-13	2.500E-01	1.230E-20	2.071E-29	0.	0.	0.	0.	1.600E+03
0.	1.605E-12	2.500E-01	1.125E-20	1.002E-28	0.	0.	0.	0.	1.700E+03
1.352E-26	1.055E-11	2.500E-01	1.032E-20	4.048E-28	0.	0.	0.	0.	1.800E+03
4.956E-24	5.696E-11	2.499E-01	9.596E-21	1.419E-27	0.	0.	0.	0.	1.900E+03
5.613E-22	2.600E-10	2.499E-01	1.613E-20	7.877E-27	4.190E-30	0.	0.	0.	2.000E+03
1.044E-20	1.028E-09	2.498E-01	1.003E-19	1.444E-25	2.067E-28	0.	0.	0.	2.100E+03
1.121E-19	3.587E-09	2.496E-01	7.010E-19	2.699E-24	5.394E-27	0.	0.	0.	2.200E+03
9.522E-19	1.124E-08	2.494E-01	4.267E-18	4.033E-23	1.029E-25	0.	0.	0.	2.300E+03
6.732E-18	3.201E-08	2.490E-01	2.241E-17	4.839E-22	1.526E-24	0.	0.	0.	2.400E+03
4.504E-17	8.386E-08	2.484E-01	1.036E-16	4.770E-21	1.821E-23	0.	0.	0.	2.500E+03
2.120E-16	2.000E-07	2.470E-01	4.261E-16	3.952E-20	1.791E-22	0.	0.	0.	2.600E+03
9.775E-16	4.645E-07	2.465E-01	1.580E-15	2.805E-19	1.483E-21	0.	0.	0.	2.700E+03
4.023E-15	9.967E-07	2.450E-01	5.338E-15	1.734E-18	1.353E-20	0.	0.	0.	2.800E+03
1.494E-14	2.027E-06	2.431E-01	1.660E-14	9.471E-18	6.511E-20	0.	0.	0.	2.900E+03
5.052E-14	3.929E-06	2.406E-01	4.799E-14	4.629E-17	3.550E-19	0.	0.	0.	3.000E+03
1.584E-13	7.287E-06	2.375E-01	1.297E-13	2.046E-16	1.727E-18	0.	0.	0.	3.100E+03
4.497E-13	1.298E-05	2.338E-01	3.293E-13	8.259E-16	7.571E-18	0.	0.	0.	3.200E+03
1.198E-12	2.230E-05	2.295E-01	7.902E-13	3.070E-15	3.018E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	3.387E-10	2.447E-04	4.416E-04	3.413E-05	1.911E-10	2.037E-01	5.717E-01	2.122E-11	3.186E-10
3.500E+03	7.501E-10	2.070E-04	4.784E-04	4.547E-05	2.170E-10	2.482E-01	5.327E-01	4.372E-11	7.094E-10
3.600E+03	1.585E-09	1.721E-04	5.044E-04	5.902E-05	2.397E-10	2.968E-01	4.902E-01	8.559E-11	1.306E-09
3.700E+03	3.204E-09	1.405E-04	5.238E-04	7.471E-05	2.578E-10	3.485E-01	4.450E-01	1.596E-10	3.068E-09
3.800E+03	6.219E-09	1.124E-04	5.294E-04	9.234E-05	2.700E-10	4.018E-01	3.983E-01	2.843E-10	5.968E-09
3.900E+03	1.162E-08	8.820E-07	5.234E-04	1.116E-04	2.758E-10	4.554E-01	3.514E-01	4.847E-10	1.119E-08
4.000E+03	2.095E-08	6.784E-07	5.065E-04	1.322E-04	2.751E-10	5.074E-01	3.054E-01	7.932E-10	2.025E-08
4.100E+03	3.656E-08	5.123E-07	4.804E-04	1.535E-04	2.687E-10	5.572E-01	2.621E-01	1.249E-09	3.546E-08
4.200E+03	6.187E-08	3.806E-07	4.481E-04	1.753E-04	2.574E-10	6.030E-01	2.220E-01	1.897E-09	6.018E-08
4.300E+03	1.018E-07	2.788E-07	4.114E-04	1.972E-04	2.429E-10	6.441E-01	1.859E-01	2.790E-09	9.925E-08
4.400E+03	1.631E-07	2.020E-07	3.728E-04	2.189E-04	2.261E-10	6.800E-01	1.543E-01	3.982E-09	1.594E-07
4.500E+03	2.552E-07	1.452E-07	3.344E-04	2.403E-04	2.083E-10	7.108E-01	1.271E-01	5.533E-09	2.498E-07
4.600E+03	3.904E-07	1.039E-07	2.976E-04	2.611E-04	1.904E-10	7.367E-01	1.042E-01	7.508E-09	3.828E-07
4.700E+03	5.840E-07	7.423E-08	2.633E-04	2.814E-04	1.730E-10	7.581E-01	8.520E-02	9.978E-09	5.747E-07
4.800E+03	8.629E-07	5.305E-08	2.321E-04	3.012E-04	1.566E-10	7.755E-01	6.956E-02	1.302E-08	8.466E-07
4.900E+03	1.249E-06	3.800E-08	2.041E-04	3.203E-04	1.413E-10	7.895E-01	5.682E-02	1.671E-08	1.226E-06
5.000E+03	1.781E-06	2.733E-08	1.792E-04	3.389E-04	1.273E-10	8.007E-01	4.649E-02	2.114E-08	1.746E-06
5.200E+03	3.468E-06	1.437E-08	1.382E-04	3.742E-04	1.031E-10	8.162E-01	3.138E-02	3.261E-08	3.391E-06
5.400E+03	6.425E-06	7.740E-09	1.068E-04	4.067E-04	8.321E-11	8.251E-01	2.150E-02	4.826E-08	6.252E-06
5.600E+03	1.140E-05	4.275E-09	8.285E-07	4.355E-04	6.700E-11	8.293E-01	1.497E-02	6.897E-08	1.101E-05
5.800E+03	1.946E-05	2.417E-09	6.448E-07	4.599E-04	5.349E-11	8.308E-01	1.061E-02	9.562E-08	1.868E-05
6.000E+03	3.211E-05	1.354E-09	5.025E-07	4.787E-04	4.269E-11	8.281E-01	7.639E-03	1.291E-07	3.031E-05
6.200E+03	5.140E-05	8.180E-10	3.915E-07	4.908E-04	3.355E-11	8.239E-01	5.584E-03	1.701E-07	4.774E-05
6.400E+03	8.008E-05	4.861E-10	3.042E-07	4.951E-04	2.597E-11	8.179E-01	4.141E-03	2.193E-07	7.293E-05
6.600E+03	1.217E-04	2.918E-10	2.353E-07	4.910E-04	1.974E-11	8.104E-01	3.112E-03	2.772E-07	1.084E-04
6.800E+03	1.809E-04	1.765E-10	1.810E-07	4.785E-04	1.448E-11	8.024E-01	2.370E-03	3.446E-07	1.571E-04
7.000E+03	2.633E-04	1.075E-10	1.383E-07	4.580E-04	1.067E-11	7.937E-01	1.828E-03	4.222E-07	2.228E-04
7.200E+03	3.759E-04	6.583E-11	1.050E-07	4.308E-04	7.583E-12	7.853E-01	1.429E-03	5.111E-07	3.095E-04
7.400E+03	5.270E-04	4.061E-11	7.931E-08	3.990E-04	5.277E-12	7.774E-01	1.132E-03	6.131E-07	4.231E-04
7.600E+03	7.264E-04	2.527E-11	5.973E-08	3.645E-04	3.610E-12	7.705E-01	9.082E-04	7.299E-07	5.697E-04
7.800E+03	9.654E-04	1.588E-11	4.494E-08	3.295E-04	2.399E-12	7.647E-01	7.382E-04	8.678E-07	7.371E-04
8.000E+03	1.318E-03	1.010E-11	3.387E-08	2.955E-04	1.636E-12	7.600E-01	6.074E-04	1.017E-06	9.941E-04
8.200E+03	1.737E-03	6.508E-12	2.562E-08	2.638E-04	1.096E-12	7.561E-01	5.052E-04	1.191E-06	1.191E-03
8.400E+03	2.261E-03	4.252E-12	1.948E-08	2.349E-04	7.359E-13	7.530E-01	4.244E-04	1.388E-06	1.658E-03
8.600E+03	2.908E-03	2.818E-12	1.491E-08	2.091E-04	4.968E-13	7.503E-01	3.596E-04	1.608E-06	2.108E-03
8.800E+03	3.698E-03	1.893E-12	1.149E-08	1.862E-04	3.340E-13	7.479E-01	3.071E-04	1.855E-06	2.655E-03
9.000E+03	4.654E-03	1.290E-12	8.918E-09	1.661E-04	2.320E-13	7.454E-01	2.648E-04	2.127E-06	3.313E-03
9.200E+03	5.801E-03	8.898E-13	6.972E-09	1.485E-04	1.607E-13	7.433E-01	2.284E-04	2.426E-06	4.098E-03
9.400E+03	7.163E-03	6.214E-13	5.488E-09	1.330E-04	1.124E-13	7.409E-01	1.986E-04	2.753E-06	5.028E-03
9.600E+03	8.771E-03	4.389E-13	4.348E-09	1.194E-04	7.938E-14	7.382E-01	1.735E-04	3.107E-06	6.115E-03
9.800E+03	1.065E-02	3.132E-13	3.466E-09	1.074E-04	5.654E-14	7.353E-01	1.522E-04	3.489E-06	7.384E-03
1.000E+04	1.283E-02	2.257E-13	2.778E-09	9.687E-05	4.061E-14	7.320E-01	1.341E-04	3.897E-06	8.852E-03
1.100E+04	2.941E-02	1.489E-14	1.992E-09	8.590E-05	2.859E-15	7.081E-01	7.398E-05	6.383E-06	1.198E-02
1.200E+04	5.817E-02	1.180E-14	1.360E-10	7.602E-05	1.973E-15	6.675E-01	4.204E-05	9.063E-06	3.890E-02
1.300E+04	1.017E-01	2.866E-15	1.332E-10	2.128E-05	1.450E-16	6.059E-01	2.385E-05	6.779E-06	6.779E-02
1.400E+04	1.593E-01	6.430E-16	4.517E-11	1.168E-05	9.357E-17	5.236E-01	1.267E-05	1.312E-05	1.048E-01
1.500E+04	2.264E-01	1.243E-16	1.349E-11	5.785E-06	1.645E-17	4.264E-01	6.240E-06	1.305E-05	1.538E-01
1.600E+04	2.944E-01	1.988E-17	3.460E-12	2.566E-06	2.364E-18	3.254E-01	2.801E-06	1.139E-05	2.037E-01
1.700E+04	3.548E-01	2.642E-18	7.663E-13	1.005E-06	2.813E-19	2.333E-01	1.133E-06	8.787E-06	2.867E-01
1.800E+04	4.021E-01	3.060E-19	1.525E-13	3.670E-07	2.940E-20	1.596E-01	4.229E-07	6.117E-06	2.888E-01
1.900E+04	4.357E-01	3.332E-20	2.897E-14	1.295E-07	2.933E-21	1.060E-01	1.510E-07	3.970E-06	3.172E-01
2.000E+04	4.579E-01	3.677E-21	5.560E-15	4.594E-08	3.012E-22	6.989E-02	9.354E-08	2.482E-06	3.347E-01
2.100E+04	4.722E-01	4.338E-22	1.123E-15	1.683E-08	3.357E-23	4.650E-02	1.962E-08	1.536E-06	3.493E-01
2.200E+04	4.814E-01	5.663E-23	2.442E-16	6.458E-09	4.168E-24	3.154E-02	7.341E-09	9.376E-07	3.574E-01
2.300E+04	4.874E-01	6.251E-24	5.787E-17	2.609E-09	5.815E-25	2.193E-02	2.915E-09	6.089E-07	3.625E-01
2.400E+04	4.916E-01	1.344E-24	1.479E-17	1.109E-09	9.088E-26	1.566E-02	1.220E-09	3.927E-07	3.657E-01
2.500E+04	4.948E-01	2.433E-25	4.094E-18	4.938E-10	1.574E-26	1.149E-02	5.372E-10	2.599E-07	3.674E-01
2.600E+04	4.978E-01	4.843E-26	1.213E-18	2.286E-10	2.979E-27	8.643E-03	2.484E-10	1.757E-07	3.688E-01
2.700E+04	5.011E-01	1.047E-26	3.809E-19	1.092E-10	6.050E-28	6.659E-03	1.202E-10	1.212E-07	3.695E-01
2.800E+04	5.049E-01	2.422E-27	1.252E-19	5.325E-11	1.292E-28	5.244E-03	6.061E-11	8.317E-08	3.691E-01
2.900E+04	5.096E-01	5.923E-28	4.257E-20	2.627E-11	2.865E-29	4.212E-03	3.177E-11	6.897E-08	3.678E-01
3.000E+04	5.150E-01	1.511E-28	1.482E-20	1.300E-11	6.345E-30	3.443E-03	1.724E-11	6.179E-08	3.653E-01
3.100E+04	5.210E-01	3.986E-29	5.244E-21	6.418E-12	1.418E-30	2.859E-03	9.660E-12	4.453E-08	3.603E-01
3.200E+04	5.270E-01	1.081E-29	1.874E-21	3.152E-12	3.144E-31	2.408E-03	5.573E-12	2.427E-08	3.544E-01
3.300E+04	5.325E-01	3.011E-30	6.809E-22	1.542E-12	6.972E-32	2.054E-03	3.303E-12	1.858E-08	3.485E-01
3.400E+04	5.374E-01	8.625E-31	2.504E-22	7.540E-13	1.591E-32	1.772E-03	2.008E-12	1.412E-08	3.423E-01
3.500E+04	5.415E-01	2.547E-31	9.379E-23	3.703E-13	3.497E-33	1.544E-03	1.250E-12	1.099E-08	3.400E-01
3.600E+04	5.449E-01	7.780E-32	3.590E-23	1.835E-13	8.059E-34	1.358E-03	7.948E-13	8.648E-09	3.400E-01
3.700E+04	5.475E-01	2.442E-32	1.409E-23	9.213E-14	0.	1.204E-03	5.159E-13	6.904E-09	3.382E-01
3.800E+04	5.497E-01	8.075E-33	5.672E-24	4.695E-14	0.	1.079E-03	3.412E-13	5.565E-09	3.367E-01
3.900E+04	5.513E-01	2.746E-33	2.347E-24	2.437E-14	0.	9.664E-04	2.298E-13	4.538E-09	3.354E-01
4.000E+04	5.531E-01	9.667E-34	9.964E-25	1.282E-14	3.153E-16	8.737E-04	1.578E-13	3.718E-09	3.343E-01
4.100E+04	5.548E-01	3.516E-34	4.337E-25	6.880E-15	0.	7.940E-04	1.050E-13	3.072E-09	3.332E-01
4.200E+04	5.563E-01	1.317E-34	1.931E-25	3.724E-15	0.	7.249E-04	7.077E-14	2.558E-09	3.321E-01
4.300E+04	5.581E-01	5.067E-35	8.784E-26	2.047E-15	0.	6.664E-04	5.412E-14	2.143E-09	3.308E-01
4.400E+04	5.601E-01	1.994E-35	4.046E-26	1.136E-15	0.	6.113E-04	2.882E-14	1.528E-09	3.294E-01
4.500E+04	5.623E-01	8.004E-36	1.893E-26	6.346E-16	0.	5.642E-04	1.232E-14	1.299E-09	3.284E-01
4.600E+04	5.652E-01	0.	8.950E-27	3.581E-16	0.	5.223E-04	1.582E-14	1.109E-09	3.274E-01
4.700E+04	5.682E-01	0.	4.264E-27	2.002E-16	0.	4.848E-04	1.582E-14	9.518E-10	3.264E-01
4.800E+04	5.713E-01	0.	2.043E-27	1.126E-16	0.	4.511E-04	1.198E-14	8.188E-10	3.254E-01
4.900E+04	5.746E-01	0.	9.831E-28	6.324E-17	0.	4.207E-04	9.017E-15	6.188E-10	3.244E-01
5.000E+04	5.774E-01	0.	4.747E-28	3.548E-17	0.	3.932E-04	6.894E-15	7.088E-10	3.162E-01

TABLE II. - Continued

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.983E-12	3.702E-05	2.245E-01	1.803E-12	1.059E-14	1.102E-16	0.	0.	0.	3.400E+03
6.963E-12	5.960E-05	2.189E-01	3.926E-12	3.413E-14	3.712E-16	0.	0.	0.	3.500E+03
1.530E-11	9.326E-05	2.120E-01	8.198E-12	1.034E-13	1.161E-15	0.	0.	0.	3.600E+03
3.178E-11	1.422E-04	2.063E-01	1.648E-11	2.960E-13	3.387E-15	0.	0.	0.	3.700E+03
6.257E-11	2.116E-04	1.996E-01	3.201E-11	8.049E-13	9.276E-15	0.	0.	0.	3.800E+03
1.171E-10	3.042E-04	1.928E-01	6.029E-11	2.089E-12	2.395E-14	0.	0.	0.	3.900E+03
2.090E-10	4.402E-04	1.862E-01	1.105E-10	5.193E-12	5.859E-14	0.	0.	0.	4.000E+03
3.570E-10	6.176E-04	1.799E-01	1.974E-10	1.241E-11	1.363E-13	0.	0.	0.	4.100E+03
5.853E-10	8.927E-04	1.740E-01	3.457E-10	2.863E-11	3.030E-13	0.	0.	0.	4.200E+03
9.242E-10	1.160E-03	1.687E-01	5.929E-10	5.929E-10	6.458E-13	0.	0.	0.	4.300E+03
1.410E-09	1.558E-03	1.639E-01	9.988E-10	1.382E-10	1.323E-12	0.	0.	0.	4.400E+03
2.087E-09	2.067E-03	1.597E-01	1.654E-09	2.903E-10	2.625E-12	0.	0.	0.	4.500E+03
3.006E-09	2.712E-03	1.561E-01	2.896E-09	5.934E-10	5.032E-12	0.	0.	0.	4.600E+03
4.225E-09	3.519E-03	1.529E-01	4.325E-09	1.181E-09	9.361E-12	0.	0.	0.	4.700E+03
5.810E-09	4.522E-03	1.501E-01	6.834E-09	2.293E-09	1.694E-11	0.	0.	0.	4.800E+03
7.840E-09	5.756E-03	1.475E-01	1.063E-08	4.364E-09	2.988E-11	0.	0.	0.	4.900E+03
1.040E-08	7.258E-03	1.452E-01	1.630E-08	8.039E-09	5.138E-11	0.	0.	0.	5.000E+03
1.375E-08	9.124E-03	1.408E-01	2.662E-08	2.578E-08	1.423E-10	0.	0.	0.	5.200E+03
2.006E-08	1.188E-02	1.361E-01	4.756E-08	7.588E-08	3.633E-10	0.	0.	0.	5.400E+03
4.313E-08	2.438E-02	1.309E-01	1.550E-07	2.067E-07	8.618E-10	0.	0.	0.	5.600E+03
6.430E-08	3.625E-02	1.246E-01	2.926E-07	5.236E-07	1.911E-09	1.891E-25	0.	0.	5.800E+03
9.209E-08	4.670E-02	1.171E-01	5.219E-07	1.238E-06	3.984E-09	2.121E-24	0.	0.	6.000E+03
1.290E-07	6.181E-02	1.081E-01	8.796E-07	2.744E-06	7.835E-09	2.016E-23	0.	0.	6.200E+03
1.764E-07	7.943E-02	9.783E-02	1.401E-06	5.716E-06	1.458E-08	1.646E-22	0.	0.	6.400E+03
2.362E-07	9.912E-02	8.643E-02	2.106E-06	1.123E-05	2.576E-08	1.166E-21	0.	0.	6.600E+03
3.102E-07	1.201E-01	7.432E-02	2.990E-06	2.084E-05	4.326E-08	7.239E-21	0.	0.	6.800E+03
4.006E-07	1.414E-01	6.207E-02	4.012E-06	3.667E-05	6.923E-08	3.976E-20	0.	0.	7.000E+03
5.095E-07	1.618E-01	5.033E-02	5.094E-06	4.134E-05	1.058E-07	1.950E-19	0.	0.	7.200E+03
6.352E-07	1.803E-01	3.966E-02	6.145E-06	9.794E-05	1.548E-07	8.613E-19	0.	0.	7.400E+03
7.922E-07	1.963E-01	3.048E-02	7.079E-06	1.499E-04	2.177E-07	3.460E-18	0.	0.	7.600E+03
9.709E-07	2.093E-01	2.295E-02	7.841E-06	2.210E-04	2.957E-07	1.274E-17	0.	0.	7.800E+03
1.178E-06	2.195E-01	1.704E-02	8.411E-06	3.156E-04	3.894E-07	4.355E-17	0.	0.	8.000E+03
1.414E-06	2.271E-01	1.254E-02	8.800E-06	4.384E-04	4.998E-07	1.388E-16	0.	0.	8.200E+03
1.683E-06	2.327E-01	9.198E-03	9.037E-06	5.949E-04	6.278E-07	4.156E-16	0.	0.	8.400E+03
1.985E-06	2.366E-01	6.749E-03	9.153E-06	7.914E-04	7.736E-07	1.177E-15	0.	0.	8.600E+03
2.322E-06	2.393E-01	4.707E-03	9.180E-06	1.035E-03	9.387E-07	3.171E-15	0.	0.	8.800E+03
2.695E-06	2.410E-01	3.679E-03	9.141E-06	1.334E-03	1.124E-06	8.154E-15	0.	0.	9.000E+03
3.104E-06	2.420E-01	2.741E-03	9.055E-06	1.696E-03	1.329E-06	2.010E-14	0.	0.	9.200E+03
3.549E-06	2.424E-01	2.056E-03	8.934E-06	2.131E-03	1.556E-06	4.764E-14	0.	0.	9.400E+03
4.030E-06	2.424E-01	1.554E-03	8.789E-06	2.649E-03	1.803E-06	1.089E-13	0.	0.	9.600E+03
4.545E-06	2.419E-01	1.183E-03	8.625E-06	3.261E-03	2.071E-06	2.406E-13	0.	0.	9.800E+03
5.093E-06	2.412E-01	9.070E-04	8.446E-06	3.978E-03	2.359E-06	5.149E-13	0.	0.	1.000E+04
5.672E-06	2.326E-01	6.228E-04	7.396E-06	4.824E-03	2.671E-06	1.130E-11	0.	0.	1.100E+04
6.284E-06	2.160E-01	4.449E-05	6.135E-06	5.849E-03	3.045E-06	2.593E-10	0.	0.	1.200E+04
6.927E-06	1.906E-01	2.828E-05	4.723E-06	7.216E-03	3.387E-06	2.845E-09	8.026E-24	0.	1.300E+04
7.600E-06	1.577E-01	1.615E-05	3.155E-06	8.294E-03	3.742E-06	2.209E-08	9.870E-22	0.	1.400E+04
8.300E-06	1.208E-01	8.243E-06	2.045E-06	9.257E-03	4.117E-06	1.297E-07	6.684E-20	0.	1.500E+04
9.020E-06	8.588E-02	4.306E-06	1.127E-06	9.071E-02	4.518E-06	6.067E-07	2.810E-18	0.	1.600E+04
9.760E-06	5.688E-02	2.227E-07	5.255E-07	1.044E-01	3.446E-06	2.363E-06	8.035E-17	0.	1.700E+04
1.052E-05	3.620E-02	5.778E-08	2.639E-07	1.133E-01	2.109E-06	7.951E-06	1.673E-15	0.	1.800E+04
1.138E-05	2.269E-02	1.517E-08	1.214E-07	1.184E-01	1.217E-06	2.380E-05	2.666E-14	0.	1.900E+04
1.228E-05	1.431E-02	4.181E-09	5.661E-08	1.211E-01	6.897E-07	6.464E-05	3.363E-13	0.	2.000E+04
1.320E-05	9.213E-03	1.234E-09	2.724E-08	1.226E-01	3.936E-07	1.615E-04	3.448E-12	0.	2.100E+04
1.414E-05	6.048E-03	3.924E-10	1.363E-08	1.232E-01	2.290E-07	3.744E-04	2.934E-11	0.	2.200E+04
1.509E-05	4.135E-03	1.343E-10	7.091E-09	1.232E-01	1.367E-07	8.119E-04	2.110E-10	0.	2.300E+04
1.605E-05	2.863E-03	4.914E-11	3.819E-09	1.226E-01	8.374E-08	1.654E-03	1.203E-09	0.	2.400E+04
1.702E-05	2.054E-03	1.931E-11	2.113E-09	1.211E-01	5.254E-08	3.179E-03	6.992E-08	0.	2.500E+04
1.800E-05	1.488E-03	7.478E-12	1.188E-09	1.183E-01	3.362E-08	5.766E-03	3.293E-08	0.	2.600E+04
1.900E-05	1.088E-03	3.187E-12	6.707E-10	1.138E-01	2.181E-08	9.864E-03	1.369E-07	0.	2.700E+04
2.000E-05	7.969E-04	1.137E-12	3.742E-10	1.071E-01	1.424E-08	1.588E-02	5.039E-07	0.	2.800E+04
2.100E-05	5.799E-04	5.575E-13	2.033E-10	9.804E-02	9.281E-09	2.398E-02	1.649E-06	0.	2.900E+04
2.200E-05	4.142E-04	2.276E-13	1.043E-10	8.688E-02	5.998E-09	3.394E-02	4.813E-06	0.	3.000E+04
2.300E-05	2.934E-04	9.012E-14	5.306E-11	7.437E-02	3.824E-09	4.508E-02	1.241E-05	0.	3.100E+04
2.400E-05	2.028E-04	3.452E-14	2.529E-11	6.157E-02	2.394E-09	5.646E-02	2.993E-05	0.	3.200E+04
2.500E-05	1.377E-04	1.244E-14	1.158E-11	4.952E-02	1.483E-09	6.714E-02	6.521E-05	0.	3.300E+04
2.600E-05	9.231E-05	4.478E-15	5.144E-12	3.833E-02	9.040E-10	7.448E-02	7.448E-05	0.	3.400E+04
2.700E-05	6.138E-05	1.686E-15	2.244E-12	3.012E-02	5.503E-10	8.418E-02	2.499E-04	2.246E-10	3.500E+04
2.800E-05	4.070E-05	6.078E-16	9.717E-13	2.308E-02	3.340E-10	9.022E-02	4.494E-04	8.798E-10	3.600E+04
2.900E-05	2.703E-05	2.212E-16	4.217E-13	1.760E-02	2.034E-10	9.472E-02	7.727E-04	3.101E-09	3.700E+04
3.000E-05	1.804E-05	8.166E-17	1.846E-13	1.340E-02	1.247E-10	9.788E-02	1.278E-02	1.814E-08	3.800E+04
3.100E-05	1.212E-05	3.074E-17	8.179E-14	1.022E-02	7.718E-11	9.985E-02	2.042E-03	3.098E-08	3.900E+04
3.200E-05	8.202E-06	1.180E-17	3.676E-14	7.816E-03	4.822E-11	1.007E-01	3.162E-03	8.892E-08	4.000E+04
3.300E-05	5.569E-06	4.614E-18	1.675E-14	5.990E-03	3.042E-11	1.006E-01	4.759E-03	2.487E-07	4.100E+04
3.400E-05	3.812E-06	1.637E-18	7.720E-15	4.598E-03	1.935E-11	9.938E-02	6.949E-03	6.183E-07	4.200E+04
3.500E-05	2.618E-06	7.413E-19	3.588E-15	3.530E-03	1.240E-11	9.707E-02	9.871E-03	1.495E-06	4.300E+04
3.600E-05	1.821E-06	3.019E-19	1.675E-15	2.707E-03	7.988E-12	9.363E-02	1.438E-02	3.441E-06	4.400E+04
3.700E-05	1.266E-06	1.235E-19	7.815E-16	2.068E-03	5.159E-12	8.903E-02	1.426E-02	7.518E-06	4.500E+04
3.800E-05	8.631E-07	5.055E-20	3.630E-16	1.571E-03	3.332E-12	8.338E-02	2.376E-02	1.341E-05	4.600E+04
3.900E-05	5.930E-07	2.059E-20	1.671E-16	1.185E-03	2.149E-12	7.753E-02	2.999E-02	3.064E-05	4.700E+04
4.000E-05	4.042E-07	8.329E-21	7.609E-17	8.661E-04	1.380E-12	6.947E-02	3.759E-02	5.807E-05	4.800E+04
4.100E-05	2.756E-07	3.137E-21	3.420E-17	6.369E-04	8.825E-13	6.182E-02	4.317E-02	1.049E-04	4.900E+04
4.200E-05	1.839E-07	1.324E-21	1.517E-17	4.827E-04	5.613E-13	5.413E-02	5.074E-02	1.801E-04	5.000E+04

TABLE II. - Continued

P/P0 = 4.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.00E+02	0.	2.364E-01	1.351E-20	1.234E-34	6.480E-29	2.654E-21	5.727E-01	1.046E-18	1.924E-21
6.00E+02	0.	4.587E-02	1.431E-17	8.594E-29	4.244E-25	1.964E-17	7.154E-01	8.753E-19	7.708E-20
7.00E+02	0.	1.056E-02	1.681E-15	1.132E-24	1.705E-22	1.093E-14	7.421E-01	8.253E-19	2.445E-20
8.00E+02	0.	3.268E-03	5.714E-14	1.365E-21	1.446E-20	1.254E-12	7.475E-01	7.623E-19	5.815E-20
9.00E+02	0.	1.280E-03	8.758E-13	3.384E-19	4.506E-19	5.046E-11	7.490E-01	7.253E-19	1.111E-19
1.00E+03	0.	5.974E-04	7.690E-12	2.783E-17	7.033E-18	9.835E-10	7.496E-01	4.549E-19	1.795E-19
1.10E+03	0.	3.185E-04	4.345E-11	1.026E-15	6.664E-17	1.120E-08	7.498E-01	5.780E-19	2.556E-19
1.20E+03	0.	1.881E-04	1.988E-10	2.009E-14	4.351E-16	8.545E-08	7.499E-01	5.024E-19	3.315E-19
1.30E+03	0.	1.204E-04	6.920E-10	2.637E-13	2.135E-15	4.788E-07	7.499E-01	4.332E-19	4.015E-19
1.40E+03	0.	8.215E-05	2.013E-09	3.325E-12	8.371E-15	2.105E-04	7.499E-01	3.700E-19	4.628E-19
1.50E+03	0.	5.906E-05	5.078E-09	1.364E-11	2.745E-14	7.614E-04	7.499E-01	3.222E-19	5.104E-19
1.60E+03	5.526E-29	4.430E-05	1.140E-08	8.065E-11	7.781E-14	2.352E-05	7.499E-01	2.799E-19	5.582E-19
1.70E+03	5.397E-26	3.443E-05	2.328E-08	3.469E-10	1.957E-13	6.373E-05	7.499E-01	2.450E-19	5.941E-19
1.80E+03	2.494E-23	2.756E-05	4.390E-08	1.269E-09	4.453E-13	1.546E-04	7.498E-01	2.162E-19	6.239E-19
1.90E+03	6.080E-21	2.261E-05	7.742E-08	4.050E-09	9.315E-13	3.431E-04	7.497E-01	1.937E-19	6.531E-19
2.00E+03	5.375E-19	1.894E-05	1.290E-07	1.151E-08	1.413E-12	7.029E-04	7.494E-01	1.816E-19	1.092E-18
2.10E+03	7.785E-18	1.615E-05	2.046E-07	2.916E-08	3.318E-12	1.344E-03	7.488E-01	1.584E-18	1.409E-18
2.20E+03	6.326E-17	1.398E-05	3.111E-07	6.987E-08	5.752E-12	2.431E-03	7.479E-01	1.070E-17	5.204E-17
2.30E+03	4.148E-16	1.225E-05	4.556E-07	1.529E-07	9.510E-12	4.173E-03	7.463E-01	6.346E-17	3.490E-16
2.40E+03	2.322E-15	1.084E-05	6.453E-07	3.134E-07	1.507E-11	6.846E-03	7.440E-01	3.274E-16	1.981E-15
2.50E+03	1.135E-14	9.664E-06	8.871E-07	6.057E-07	2.300E-11	1.080E-02	7.405E-01	1.482E-15	9.800E-15
2.60E+03	4.916E-14	8.448E-06	1.187E-06	1.111E-06	3.390E-11	1.663E-02	7.354E-01	5.975E-15	4.299E-14
2.70E+03	1.914E-13	7.803E-06	1.568E-06	1.944E-06	4.840E-11	2.420E-02	7.288E-01	2.172E-14	1.691E-13
2.80E+03	6.766E-13	7.035E-06	1.972E-06	3.260E-06	6.706E-11	3.463E-02	7.197E-01	7.190E-14	6.035E-13
2.90E+03	2.194E-12	6.340E-06	2.459E-06	5.565E-06	9.030E-11	4.824E-02	7.078E-01	2.188E-13	1.974E-12
3.00E+03	6.579E-12	5.697E-06	2.991E-06	8.181E-06	1.183E-10	6.555E-02	6.924E-01	6.165E-13	5.966E-12
3.10E+03	1.837E-11	5.096E-06	3.564E-06	1.231E-05	1.505E-10	8.704E-02	6.738E-01	1.619E-12	1.619E-11
3.20E+03	4.409E-11	4.526E-06	4.163E-06	1.795E-05	1.875E-10	1.131E-01	6.510E-01	3.983E-12	4.422E-11
3.30E+03	1.184E-10	3.984E-06	4.754E-06	2.541E-05	2.270E-10	1.439E-01	6.240E-01	6.240E-12	1.098E-10
3.40E+03	2.788E-10	3.467E-06	5.323E-06	3.498E-05	2.677E-10	1.796E-01	5.928E-01	2.019E-11	2.578E-10
3.50E+03	6.143E-10	2.979E-06	5.828E-06	4.684E-05	3.077E-10	2.199E-01	5.575E-01	1.190E-11	5.755E-10
3.60E+03	1.301E-09	2.521E-06	6.245E-06	6.128E-05	3.464E-10	2.644E-01	5.184E-01	4.271E-11	1.224E-09
3.70E+03	2.638E-09	2.099E-06	6.549E-06	7.816E-05	3.762E-10	3.123E-01	4.744E-01	1.957E-10	2.498E-09
3.80E+03	5.137E-09	1.717E-06	6.721E-06	9.741E-05	4.066E-10	3.624E-01	4.324E-01	2.804E-10	4.888E-09
3.90E+03	9.632E-09	1.380E-06	6.753E-06	1.188E-04	4.164E-10	4.114E-01	3.875E-01	4.873E-10	9.208E-09
4.00E+03	1.744E-08	1.049E-06	6.648E-06	1.419E-04	4.229E-10	4.634E-01	3.425E-01	8.014E-10	1.674E-08
4.10E+03	3.054E-08	8.437E-07	6.420E-06	1.663E-04	4.205E-10	5.153E-01	2.988E-01	1.278E-09	2.944E-08
4.20E+03	5.149E-08	6.432E-07	6.090E-06	1.916E-04	4.101E-10	5.624E-01	2.575E-01	1.968E-09	5.019E-08
4.30E+03	8.570E-08	4.833E-07	5.685E-06	2.173E-04	3.932E-10	6.059E-01	2.194E-01	2.932E-09	6.151E-08
4.40E+03	1.379E-07	3.566E-07	5.233E-06	2.430E-04	3.715E-10	6.449E-01	1.850E-01	4.237E-09	1.341E-07
4.50E+03	2.165E-07	2.635E-07	4.762E-06	2.685E-04	3.449E-10	6.793E-01	1.548E-01	5.954E-09	2.111E-07
4.60E+03	3.324E-07	1.923E-07	4.292E-06	2.935E-04	3.208E-10	7.069E-01	1.287E-01	8.169E-09	3.246E-07
4.70E+03	5.001E-07	1.398E-07	3.840E-06	3.180E-04	2.945E-10	7.340E-01	1.065E-01	1.094E-08	4.890E-07
4.80E+03	7.382E-07	7.014E-07	3.418E-06	3.418E-04	2.689E-10	7.546E-01	8.787E-02	1.442E-08	7.224E-07
4.90E+03	1.071E-06	7.357E-08	3.037E-06	3.649E-04	2.445E-10	7.720E-01	7.243E-02	1.863E-08	1.048E-06
5.00E+03	1.529E-06	5.350E-08	2.680E-06	3.873E-04	2.217E-10	7.859E-01	5.972E-02	2.372E-08	1.497E-06
5.10E+03	2.986E-06	2.862E-08	2.090E-06	4.005E-04	1.814E-10	8.061E-01	4.088E-02	3.694E-08	2.917E-06
5.20E+03	5.541E-06	1.562E-08	1.630E-06	4.694E-04	1.478E-10	8.183E-01	2.820E-02	5.505E-08	5.393E-06
5.30E+03	9.840E-06	6.723E-09	1.274E-06	5.050E-04	1.201E-10	8.251E-01	1.974E-02	7.908E-08	9.517E-06
5.40E+03	1.681E-05	4.980E-09	9.989E-07	5.358E-04	9.715E-11	8.279E-01	1.407E-02	1.101E-07	1.612E-05
5.50E+03	2.774E-05	2.900E-09	7.844E-07	5.608E-04	7.810E-11	8.274E-01	1.017E-02	1.492E-07	2.629E-05
5.60E+03	4.442E-05	1.718E-09	6.162E-07	5.787E-04	6.219E-11	8.249E-01	7.462E-03	1.972E-07	4.148E-05
5.70E+03	6.919E-05	1.032E-09	4.832E-07	5.883E-04	4.889E-11	8.201E-01	5.502E-03	2.551E-07	6.347E-05
5.80E+03	1.052E-04	6.268E-10	3.777E-07	5.887E-04	3.783E-11	8.138E-01	4.183E-03	3.234E-07	9.444E-05
5.90E+03	1.562E-04	3.839E-10	2.938E-07	5.796E-04	2.872E-11	8.063E-01	3.191E-03	4.029E-07	1.370E-04
6.00E+03	2.274E-04	2.367E-10	2.272E-07	5.611E-04	2.136E-11	7.982E-01	2.465E-03	4.964E-07	1.964E-04
6.10E+03	3.264E-04	1.469E-10	1.766E-07	5.362E-04	1.553E-11	7.908E-01	1.928E-03	5.989E-07	2.704E-04
6.20E+03	4.552E-04	9.169E-11	1.335E-07	5.007E-04	1.108E-11	7.820E-01	1.527E-03	7.182E-07	3.695E-04
6.30E+03	6.276E-04	5.765E-11	1.017E-07	4.628E-04	7.758E-12	7.747E-01	1.224E-03	8.341E-07	4.973E-04
6.40E+03	8.510E-04	3.657E-11	7.725E-08	4.227E-04	5.352E-12	7.686E-01	9.938E-04	1.009E-06	6.602E-04
6.50E+03	1.139E-03	2.343E-11	5.870E-08	3.825E-04	3.656E-12	7.631E-01	8.165E-04	1.188E-06	8.659E-04
6.60E+03	1.502E-03	1.519E-11	4.470E-08	3.445E-04	2.485E-12	7.587E-01	6.783E-04	1.386E-06	1.123E-03
6.70E+03	1.956E-03	9.758E-12	3.417E-08	3.082E-04	1.689E-12	7.557E-01	5.692E-04	1.613E-06	1.461E-03
6.80E+03	2.517E-03	6.636E-12	2.627E-08	2.754E-04	1.151E-12	7.522E-01	4.819E-04	1.868E-06	1.831E-03
6.90E+03	3.202E-03	4.733E-12	2.031E-08	2.444E-04	7.886E-13	7.496E-01	4.113E-04	2.152E-06	2.395E-03
7.00E+03	4.031E-03	3.055E-12	1.581E-08	2.204E-04	5.443E-13	7.472E-01	3.536E-04	2.467E-06	2.755E-03
7.10E+03	5.025E-03	2.114E-12	1.239E-08	1.975E-04	3.791E-13	7.450E-01	3.059E-04	2.813E-06	3.255E-03
7.20E+03	6.237E-03	1.480E-12	9.777E-09	1.773E-04	2.663E-13	7.427E-01	2.661E-04	3.192E-06	4.360E-03
7.30E+03	7.682E-03	1.040E-12	7.763E-09	1.595E-04	1.888E-13	7.402E-01	2.326E-04	3.604E-06	5.395E-03
7.40E+03	9.239E-03	7.496E-13	6.202E-09	1.438E-04	1.349E-13	7.376E-01	2.042E-04	4.068E-06	6.407E-03
1.00E+04	1.113E-02	5.416E-13	4.883E-09	1.298E-04	9.728E-14	7.344E-01	1.808E-04	4.325E-06	7.555E-03
1.10E+04	2.558E-02	1.198E-13	1.783E-09	7.883E-05	2.096E-14	7.316E-01	1.601E-04	7.362E-06	1.729E-02
1.20E+04	5.000E-02	2.988E-14	6.805E-10	4.973E-05	5.013E-15	6.779E-01	5.783E-05	1.071E-05	3.939E-02
1.30E+04	8.940E-02	7.705E-15	2.599E-10	3.026E-05	1.216E-15	6.234E-01	3.338E-05	1.395E-05	5.940E-02
1.40E+04	1.416E-01	1.868E-15	9.384E-11	1.736E-05	2.754E-16	5.692E-01	1.858E-05	1.623E-05	9.564E-02
1.50E+04	2.041E-01	4.838E-16	3.054E-11	9.120E-06	5.490E-17	4.991E-01	9.678E-06	1.679E-05	1.378E-01
1.60E+04	2.708E-01	7.410E-17	6.493E-12	4.312E-06	6.039E-18	4.621E-01	6.623E-06	1.538E-05	1.853E-01
1.70E+04	3.315E-01	1.143E-17	2.154E-12	1.836E-06	1.252E-18	2.894E-01	2.011E-06	1.257E-05	2.319E-01
1.80E+04	3.823E-01	1.525E-18	4.769E-13	7.196E-07	1.907E-19	1.988E-01	8.062E-07	9.199E-06	2.724E-01
1.90E+04	4.203E-01	1.870E-19	9.890E-14	2.689E-07	1.686E-20	1.387E-01	3.068E-07	6.254E-06	3.040E-01
2.00E+04	4.467E-01	2.256E-20	2.827E-14	9.949E-08	1.884E-21	8.823E-02	1.138E-07	4.055E-06	3.267E-01

TABLE II. - Continued

P/PD = 4.00E+00

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.409E-01	4.998E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.385E-C1	7.538E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.664E-13	2.474E-01	1.079E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.526E-24	2.492E-01	1.394E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.280E-25	2.497E-01	1.637E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.434E-23	2.499E-01	1.779E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.364E-20	2.499E-01	1.822E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.053E-18	2.500E-01	1.786E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.180E-17	2.500E-01	1.720E-20	0.	0.	0.	0.	0.	1.300E+03
0.	9.830E-16	2.500E-01	1.589E-20	0.	0.	0.	0.	0.	1.400E+03
0.	1.520E-14	2.500E-01	1.471E-20	0.	0.	0.	0.	0.	1.500E+03
0.	1.673E-13	2.500E-01	1.355E-20	0.	0.	0.	0.	0.	1.600E+03
0.	1.390E-12	2.500E-01	1.247E-20	0.	0.	0.	0.	0.	1.700E+03
1.052E-26	9.138E-12	2.500E-01	1.149E-20	0.	0.	0.	0.	0.	1.800E+03
3.853E-24	4.933E-11	2.500E-01	1.069E-20	0.	0.	0.	0.	0.	1.900E+03
4.883E-22	2.252E-10	2.499E-01	1.606E-20	0.	0.	0.	0.	0.	2.000E+03
9.766E-21	8.900E-10	2.498E-01	9.300E-20	0.	0.	0.	0.	0.	2.100E+03
1.055E-19	3.107E-09	2.497E-01	6.455E-19	0.	0.	0.	0.	0.	2.200E+03
8.959E-19	9.732E-09	2.495E-01	3.929E-18	0.	0.	0.	0.	0.	2.300E+03
6.333E-18	7.773E-08	2.491E-01	2.065E-17	0.	0.	0.	0.	0.	2.400E+03
3.813E-17	7.265E-08	2.486E-01	9.557E-17	0.	0.	0.	0.	0.	2.500E+03
1.995E-16	1.768E-07	2.479E-01	3.933E-16	0.	0.	0.	0.	0.	2.600E+03
9.199E-16	4.226E-07	2.470E-01	1.459E-15	0.	0.	0.	0.	0.	2.700E+03
3.790E-15	8.643E-07	2.457E-01	4.935E-15	0.	0.	0.	0.	0.	2.800E+03
1.409E-14	1.759E-06	2.440E-01	1.537E-14	0.	0.	0.	0.	0.	2.900E+03
4.776E-14	3.411E-06	2.418E-01	4.445E-14	0.	0.	0.	0.	0.	3.000E+03
1.462E-13	8.332E-06	2.391E-01	1.273E-13	0.	0.	0.	0.	0.	3.100E+03
4.278E-13	1.129E-05	2.354E-01	3.056E-13	0.	0.	0.	0.	0.	3.200E+03
1.145E-12	1.941E-05	2.320E-01	7.342E-13	0.	0.	0.	0.	0.	3.300E+03
2.866E-12	3.228E-05	2.275E-01	1.676E-12	0.	0.	0.	0.	0.	3.400E+03
6.736E-12	5.203E-05	2.225E-01	3.653E-12	0.	0.	0.	0.	0.	3.500E+03
1.492E-11	6.153E-05	2.169E-01	7.631E-12	0.	0.	0.	0.	0.	3.600E+03
3.127E-11	1.245E-04	2.108E-01	1.534E-11	0.	0.	0.	0.	0.	3.700E+03
6.219E-11	1.855E-04	2.045E-01	2.978E-11	0.	0.	0.	0.	0.	3.800E+03
1.177E-10	2.751E-04	1.980E-01	5.602E-11	0.	0.	0.	0.	0.	3.900E+03
2.126E-10	3.886E-04	1.915E-01	1.024E-10	0.	0.	0.	0.	0.	4.000E+03
3.677E-10	5.427E-04	1.852E-01	1.826E-10	0.	0.	0.	0.	0.	4.100E+03
6.106E-10	7.493E-04	1.791E-01	3.182E-10	0.	0.	0.	0.	0.	4.200E+03
9.747E-10	1.139E-03	1.735E-01	5.433E-10	0.	0.	0.	0.	0.	4.300E+03
1.508E-09	1.368E-03	1.684E-01	9.174E-10	0.	0.	0.	0.	0.	4.400E+03
2.255E-09	1.613E-03	1.638E-01	1.500E-09	0.	0.	0.	0.	0.	4.500E+03
3.282E-09	2.376E-03	1.598E-01	2.432E-09	0.	0.	0.	0.	0.	4.600E+03
4.656E-09	3.600E-03	1.562E-01	3.882E-09	0.	0.	0.	0.	0.	4.700E+03
6.451E-09	5.195E-03	1.530E-01	6.108E-09	0.	0.	0.	0.	0.	4.800E+03
8.762E-09	7.029E-03	1.502E-01	9.469E-09	0.	0.	0.	0.	0.	4.900E+03
1.169E-08	9.337E-03	1.476E-01	1.447E-08	0.	0.	0.	0.	0.	5.000E+03
1.595E-08	1.240E-02	1.429E-01	2.238E-08	0.	0.	0.	0.	0.	5.100E+03
2.000E-08	1.668E-02	1.383E-01	3.651E-08	0.	0.	0.	0.	0.	5.200E+03
2.496E-08	2.130E-02	1.333E-01	5.371E-08	0.	0.	0.	0.	0.	5.300E+03
3.080E-08	2.630E-02	1.275E-01	7.599E-08	0.	0.	0.	0.	0.	5.400E+03
3.752E-08	3.160E-02	1.206E-01	1.067E-07	0.	0.	0.	0.	0.	5.500E+03
4.518E-08	3.730E-02	1.125E-01	1.491E-07	0.	0.	0.	0.	0.	5.600E+03
5.388E-08	4.350E-02	1.030E-01	2.080E-07	0.	0.	0.	0.	0.	5.700E+03
6.371E-08	5.020E-02	9.245E-02	2.856E-07	0.	0.	0.	0.	0.	5.800E+03
7.478E-08	5.750E-02	8.090E-02	3.878E-07	0.	0.	0.	0.	0.	5.900E+03
8.819E-08	6.540E-02	6.913E-02	5.190E-07	0.	0.	0.	0.	0.	6.000E+03
1.040E-07	7.390E-02	5.735E-02	6.942E-07	0.	0.	0.	0.	0.	6.100E+03
1.218E-07	8.290E-02	4.631E-02	9.171E-07	0.	0.	0.	0.	0.	6.200E+03
1.426E-07	9.240E-02	3.645E-02	1.233E-06	0.	0.	0.	0.	0.	6.300E+03
1.666E-07	1.024E-01	2.806E-02	1.637E-06	0.	0.	0.	0.	0.	6.400E+03
1.943E-07	1.128E-01	2.124E-02	2.147E-06	0.	0.	0.	0.	0.	6.500E+03
2.261E-07	1.238E-01	1.589E-02	2.805E-06	0.	0.	0.	0.	0.	6.600E+03
2.624E-07	1.362E-01	1.180E-02	3.651E-06	0.	0.	0.	0.	0.	6.700E+03
3.037E-07	1.497E-01	8.749E-03	4.740E-06	0.	0.	0.	0.	0.	6.800E+03
3.505E-07	1.644E-01	6.493E-03	6.128E-06	0.	0.	0.	0.	0.	6.900E+03
4.033E-07	1.802E-01	4.838E-03	7.968E-06	0.	0.	0.	0.	0.	7.000E+03
4.627E-07	1.971E-01	3.620E-03	1.039E-05	0.	0.	0.	0.	0.	7.100E+03
5.294E-07	2.152E-01	2.727E-03	1.362E-05	0.	0.	0.	0.	0.	7.200E+03
6.041E-07	2.346E-01	2.068E-03	1.801E-05	0.	0.	0.	0.	0.	7.300E+03
6.874E-07	2.553E-01	1.579E-03	2.382E-05	0.	0.	0.	0.	0.	7.400E+03
7.801E-07	2.774E-01	1.181E-03	3.149E-05	0.	0.	0.	0.	0.	7.500E+03
8.931E-07	3.018E-01	8.749E-04	4.149E-05	0.	0.	0.	0.	0.	7.600E+03
1.027E-06	3.286E-01	6.493E-04	5.440E-05	0.	0.	0.	0.	0.	7.700E+03
1.181E-06	3.578E-01	4.838E-04	7.082E-05	0.	0.	0.	0.	0.	7.800E+03
1.354E-06	3.894E-01	3.620E-04	9.149E-05	0.	0.	0.	0.	0.	7.900E+03
1.548E-06	4.234E-01	2.727E-04	1.170E-04	0.	0.	0.	0.	0.	8.000E+03
1.764E-06	4.608E-01	2.068E-04	1.501E-04	0.	0.	0.	0.	0.	8.100E+03
2.004E-06	5.017E-01	1.579E-04	1.922E-04	0.	0.	0.	0.	0.	8.200E+03
2.269E-06	5.462E-01	1.181E-04	2.462E-04	0.	0.	0.	0.	0.	8.300E+03
2.561E-06	5.944E-01	8.749E-05	3.149E-04	0.	0.	0.	0.	0.	8.400E+03
2.882E-06	6.464E-01	6.493E-05	3.940E-04	0.	0.	0.	0.	0.	8.500E+03
3.236E-06	7.022E-01	4.838E-05	4.902E-04	0.	0.	0.	0.	0.	8.600E+03
3.626E-06	7.618E-01	3.620E-05	6.104E-04	0.	0.	0.	0.	0.	8.700E+03
4.055E-06	8.252E-01	2.727E-05	7.608E-04	0.	0.	0.	0.	0.	8.800E+03
4.526E-06	8.924E-01	2.068E-05	9.382E-04	0.	0.	0.	0.	0.	8.900E+03
5.043E-06	9.636E-01	1.579E-05	1.149E-03	0.	0.	0.	0.	0.	9.000E+03
5.609E-06	1.0388E+01	1.181E-05	1.414E-03	0.	0.	0.	0.	0.	9.100E+03
6.228E-06	1.1182E+01	8.749E-06	1.730E-03	0.	0.	0.	0.	0.	9.200E+03
6.904E-06	1.2018E+01	6.493E-06	2.114E-03	0.	0.	0.	0.	0.	9.300E+03
7.641E-06	1.2906E+01	4.838E-06	2.574E-03	0.	0.	0.	0.	0.	9.400E+03
8.444E-06	1.3846E+01	3.620E-06	3.128E-03	0.	0.	0.	0.	0.	9.500E+03
9.318E-06	1.4838E+01	2.727E-06	3.794E-03	0.	0.	0.	0.	0.	9.600E+03
1.0268E-05	1.5882E+01	2.068E-06	4.580E-03	0.	0.	0.	0.	0.	9.700E+03
1.1394E-05	1.6978E+01	1.579E-06	5.506E-03	0.	0.	0.	0.	0.	9.800E+03
1.2701E-05	1.8126E+01	1.181E-06	6.594E-03	0.	0.	0.	0.	0.	9.900E+03
1.4204E-05	1.9326E+01	8.749E-07	7.968E-03	0.	0.	0.	0.	0.	1.000E+04
1.5919E-05	2.0578E+01	6.493E-07	9.682E-03	0.	0.	0.	0.	0.	1.100E+04
1.7962E-05	2.1882E+01	4.838E-07	1.178E-02	0.	0.	0.	0.	0.	1.200E+04
2.0351E-05	2.3238E+01	3.620E-07	1.439E-02	0.	0.	0.	0.	0.	1.300E+04
2.3104E-05	2.4646E+01	2.727E-07	1.756E-02	0.	0.	0.	0.	0.	1.400E+04
2.6251E-05	2.6106E+01	2.068E-07	2.134E-02	0.	0.	0.	0.	0.	1.500E+04
2.9814E-05	2.7618E+01	1.579E-07	2.579E-02	0.	0.	0.	0.	0.	1.600E+04
3.3814E-05	2.9182E+01	1.181E-07	3.096E-02	0.	0.	0.	0.	0.	1.700E+04
3.8274E-05	3.0808E+01	8.749E-08	3.690E-02	0.	0.	0.	0.	0.	1.800E+04
4.3214E-05	3.2496E+01	6.493E-08	4.368E-02	0.	0.	0.	0.	0.	1.900E+04
4.8654E-05	3.4246E+01	4.838E-08	5.136E-02	0.	0.	0.	0.	0.	2.000E+04
5.4614E-05	3.6058E+01	3.620E-08	5.999E-02	0.	0.	0.	0.	0.	2.100E+04
6.1114E-05	3.7932E+01	2.727E-08	6.964E-02	0.	0.	0.	0.	0.	2.200E+04
6.8174E-05	3.9868E+01	2.068E-08	8.038E-02	0.	0.	0.	0.	0.	2.300E+04
7.5824E-05	4.1866E+01	1.579E-08	9.228E-02	0.	0.	0.	0.	0.	2.400E+04
8.4094E-05	4.3926E+01	1.181E-08	1.054E-01	0.	0.	0.	0.	0.	2.500E+04
9.3014E-05	4.6048E+01	8.749E-09	1.199E-01	0.	0.	0.	0.	0.	2.600E+04
1.0261E-04	4.8232E+01	6.493E-09	1.358E-01	0.	0.	0.	0.	0.	2.700E+04
1.1276E-04	5.0478E+01	4.838E-09	1.532E-01	0.	0.	0.	0.	0.	2.800E+04
1.2361E-04	5.2786E+01	3.620E-09	1.722E-01	0.	0.	0.	0.	0.	2.900E+04
1.3518E-04	5.5156E+01	2.727E-09	1.928E-01	0.	0.	0.	0.	0.	3.000E+04
1.4749E-04	5.7588E+01	2.068E-09	2.152E-01						

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	4.642E-01	2.837E-21	4.286E-15	3.752E-08	2.225E-22	5.969E-02	4.268E-08	2.576E-04	3.421E-01
2.200E+04	4.757E-01	3.860E-22	9.615E-16	1.468E-08	2.874E-23	4.096E-02	1.651E-08	1.634E-04	3.523E-01
2.300E+04	4.832E-01	5.790E-23	2.319E-16	6.015E-09	4.119E-24	2.870E-02	6.657E-09	1.048E-04	3.589E-01
2.400E+04	4.864E-01	9.628E-24	6.038E-17	2.583E-09	6.567E-25	2.060E-02	2.814E-09	6.860E-07	3.631E-01
2.500E+04	4.923E-01	1.770E-24	1.692E-17	1.160E-09	1.158E-25	1.516E-02	1.248E-09	4.552E-07	3.656E-01
2.600E+04	4.955E-01	3.573E-25	5.074E-18	5.419E-10	2.231E-26	1.144E-02	5.799E-10	3.091E-07	3.678E-01
2.700E+04	4.986E-01	7.435E-26	1.613E-18	2.616E-10	4.633E-27	8.827E-03	2.815E-10	2.140E-07	3.672E-01
2.800E+04	5.022E-01	1.845E-26	5.387E-19	1.295E-10	1.019E-27	6.960E-03	1.424E-10	1.509E-07	3.644E-01
2.900E+04	5.064E-01	4.605E-27	1.868E-19	6.509E-11	2.328E-28	5.596E-03	7.477E-11	1.081E-07	3.646E-01
3.000E+04	5.113E-01	1.205E-27	6.664E-20	3.297E-11	5.440E-29	4.578E-03	4.069E-11	7.865E-08	3.620E-01
3.100E+04	5.168E-01	3.268E-28	2.423E-20	1.672E-11	1.281E-29	3.805E-03	2.281E-11	5.802E-08	3.588E-01
3.200E+04	5.226E-01	9.133E-29	8.937E-21	8.447E-12	3.013E-30	3.207E-03	1.317E-11	4.339E-08	3.549E-01
3.300E+04	5.283E-01	2.619E-29	3.334E-21	4.251E-12	7.065E-31	2.736E-03	7.817E-12	3.288E-08	3.510E-01
3.400E+04	5.336E-01	7.706E-30	1.259E-21	2.134E-12	1.657E-31	2.361E-03	4.754E-12	2.525E-08	3.476E-01
3.500E+04	5.382E-01	2.330E-30	4.827E-22	1.073E-12	3.911E-32	2.058E-03	2.960E-12	1.944E-08	3.443E-01
3.600E+04	5.420E-01	7.256E-31	1.884E-22	5.420E-13	9.369E-33	1.810E-03	1.883E-12	1.547E-08	3.417E-01
3.700E+04	5.451E-01	2.333E-31	7.511E-23	2.764E-13	2.295E-33	1.605E-03	1.222E-12	1.233E-08	3.396E-01
3.800E+04	5.476E-01	7.754E-32	3.065E-23	1.427E-13	0.	1.433E-03	8.083E-13	9.926E-09	3.378E-01
3.900E+04	5.497E-01	2.666E-32	1.282E-23	7.477E-14	0.	1.288E-03	5.440E-13	8.072E-09	3.364E-01
4.000E+04	5.515E-01	9.477E-33	5.478E-24	3.977E-14	4.048E-35	1.165E-03	3.721E-13	6.622E-09	3.352E-01
4.100E+04	5.531E-01	3.478E-33	2.414E-24	2.149E-14	0.	1.059E-03	2.584E-13	5.476E-09	3.341E-01
4.200E+04	5.547E-01	1.315E-33	1.084E-24	1.177E-14	3.231E-36	9.665E-04	1.819E-13	4.560E-09	3.330E-01
4.300E+04	5.564E-01	5.111E-34	4.972E-25	6.531E-15	0.	8.860E-04	1.298E-13	3.822E-09	3.319E-01
4.400E+04	5.582E-01	2.035E-34	2.321E-25	3.664E-15	2.884E-37	8.153E-04	9.368E-14	3.222E-09	3.309E-01
4.500E+04	5.603E-01	8.276E-35	1.106E-25	2.074E-15	0.	7.527E-04	6.839E-14	2.729E-09	3.299E-01
4.600E+04	5.627E-01	3.426E-35	5.281E-26	1.181E-15	0.	6.949E-04	5.045E-14	2.323E-09	3.273E-01
4.700E+04	5.653E-01	0.	2.559E-26	6.751E-16	0.	6.471E-04	3.759E-14	1.986E-09	3.253E-01
4.800E+04	5.683E-01	0.	1.249E-26	3.866E-16	0.	6.022E-04	2.824E-14	1.704E-09	3.232E-01
4.900E+04	5.714E-01	0.	6.130E-27	2.215E-16	0.	5.618E-04	2.144E-14	1.468E-09	3.209E-01
5.000E+04	5.745E-01	0.	3.021E-27	1.268E-16	0.	5.252E-04	1.640E-14	1.270E-09	3.186E-01

P/PO = 5.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	2.731E-01	1.412E-20	1.180E-34	7.402E-29	2.321E-21	5.475E-01	1.075E-18	1.809E-21
6.000E+02	0.	5.611E-02	1.575E-17	8.501E-29	5.191E-25	1.749E-17	7.079E-01	8.847E-19	7.084E-21
7.000E+02	0.	1.313E-02	1.872E-15	1.130E-24	2.120E-22	9.766E-15	7.402E-01	8.299E-19	2.202E-20
8.000E+02	0.	4.078E-03	6.380E-14	1.363E-21	1.804E-20	1.123E-12	7.469E-01	7.888E-19	5.245E-20
9.000E+02	0.	1.549E-03	9.787E-13	3.383E-19	5.629E-19	4.533E-11	7.488E-01	7.356E-19	1.008E-19
1.000E+03	0.	7.466E-04	8.595E-12	2.782E-17	8.789E-18	7.494E-10	7.494E-01	6.698E-19	1.642E-19
1.100E+03	0.	3.981E-04	5.081E-11	1.026E-15	8.329E-17	1.002E-08	7.497E-01	5.970E-19	2.362E-19
1.200E+03	0.	2.351E-04	2.223E-10	2.069E-14	5.438E-16	7.643E-08	7.498E-01	5.239E-19	3.093E-19
1.300E+03	0.	1.535E-04	7.737E-10	2.635E-13	2.668E-15	4.283E-07	7.499E-01	4.559E-19	3.779E-19
1.400E+03	0.	1.027E-04	2.251E-09	3.326E-12	1.048E-14	1.883E-06	7.499E-01	3.971E-19	4.391E-19
1.500E+03	0.	7.382E-05	5.677E-09	1.544E-11	3.431E-14	6.812E-06	7.499E-01	3.441E-19	4.918E-19
1.600E+03	0.	5.538E-05	1.275E-08	6.065E-11	7.424E-14	2.104E-05	7.499E-01	3.007E-19	5.564E-19
1.700E+03	4.000E-26	4.304E-05	2.603E-08	3.469E-10	2.446E-13	5.700E-05	7.499E-01	2.645E-19	5.737E-19
1.800E+03	1.841E-23	3.445E-05	4.908E-08	1.269E-09	5.567E-13	1.385E-04	7.499E-01	2.343E-19	6.068E-19
1.900E+03	4.665E-21	2.826E-05	8.654E-08	4.050E-09	1.164E-12	3.069E-04	7.497E-01	2.103E-19	6.361E-19
2.000E+03	4.281E-19	2.368E-05	1.442E-07	1.151E-08	2.276E-12	6.287E-04	7.494E-01	2.828E-19	9.809E-19
2.100E+03	6.602E-18	2.020E-05	2.288E-07	2.961E-08	4.148E-12	1.204E-03	7.489E-01	1.494E-18	5.880E-18
2.200E+03	5.430E-17	1.748E-05	3.479E-07	6.988E-08	7.193E-12	2.175E-03	7.481E-01	1.003E-17	4.431E-17
2.300E+03	3.542E-16	1.532E-05	5.096E-07	1.530E-07	1.190E-11	3.733E-03	7.467E-01	5.963E-17	2.926E-16
2.400E+03	1.982E-15	1.356E-05	7.222E-07	3.136E-07	1.888E-11	6.127E-03	7.446E-01	3.074E-16	1.662E-15
2.500E+03	9.678E-15	1.211E-05	9.935E-07	6.063E-07	2.881E-11	9.664E-03	7.415E-01	1.392E-15	8.233E-15
2.600E+03	4.19E-14	1.087E-05	1.330E-06	1.113E-06	4.253E-11	1.471E-02	7.371E-01	5.618E-15	3.612E-14
2.700E+03	1.631E-13	9.804E-06	1.737E-06	1.948E-06	6.077E-11	2.188E-02	7.310E-01	2.044E-14	1.422E-13
2.800E+03	5.766E-13	8.860E-06	2.216E-06	3.270E-06	8.434E-11	3.104E-02	7.228E-01	6.778E-14	5.078E-13
2.900E+03	1.870E-12	8.008E-06	2.765E-06	5.281E-06	1.139E-10	4.328E-02	7.121E-01	2.066E-13	1.662E-12
3.000E+03	5.608E-12	7.224E-06	3.378E-06	8.229E-06	1.496E-10	5.888E-02	6.985E-01	5.834E-13	5.029E-12
3.100E+03	1.567E-11	6.493E-06	4.042E-06	1.241E-05	1.917E-10	7.830E-02	6.815E-01	5.336E-12	1.416E-11
3.200E+03	4.103E-11	5.403E-06	4.738E-06	1.814E-05	2.393E-10	1.019E-01	6.608E-01	3.798E-12	3.738E-11
3.300E+03	1.313E-10	5.146E-06	5.444E-06	2.576E-05	2.914E-10	1.300E-01	6.362E-01	8.809E-12	9.286E-11
3.400E+03	2.366E-10	4.519E-06	6.128E-06	3.558E-05	3.462E-10	1.624E-01	6.076E-01	1.936E-11	2.185E-10
3.500E+03	5.259E-10	3.423E-06	6.760E-06	4.790E-05	4.013E-10	1.998E-01	5.751E-01	4.039E-11	4.886E-10
3.600E+03	1.118E-09	3.362E-06	7.306E-06	6.289E-05	4.537E-10	2.411E-01	5.390E-01	8.021E-11	1.063E-09
3.700E+03	2.266E-09	2.838E-06	7.735E-06	8.065E-05	5.007E-10	2.880E-01	4.997E-01	1.328E-10	2.130E-09
3.800E+03	4.423E-09	2.359E-06	8.024E-06	1.111E-05	5.395E-10	3.337E-01	4.579E-01	1.758E-10	4.188E-09
3.900E+03	8.313E-09	1.428E-06	8.157E-06	1.241E-05	5.678E-10	3.831E-01	4.146E-01	4.797E-10	7.897E-09
4.000E+03	1.509E-08	1.349E-06	8.131E-06	1.492E-05	5.864E-10	4.331E-01	3.702E-01	6.028E-10	1.460E-08
4.100E+03	2.851E-08	1.224E-06	7.956E-06	1.761E-05	5.882E-10	4.825E-01	3.275E-01	1.292E-09	2.541E-08
4.200E+03	4.517E-08	9.512E-07	7.664E-06	2.042E-05	5.821E-10	5.300E-01	2.859E-01	2.688E-09	4.367E-08
4.300E+03	7.493E-08	7.289E-07	7.228E-06	2.330E-05	5.653E-10	5.747E-01	2.467E-01	3.021E-09	7.226E-08
4.400E+03	1.233E-07	5.508E-07	6.735E-06	2.622E-05	5.483E-10	6.156E-01	2.107E-01	4.038E-09	1.170E-07
4.500E+03	1.901E-07	4.120E-07	6.201E-06	2.913E-05	5.106E-10	6.527E-01	1.784E-01	4.253E-09	1.844E-07
4.600E+03	2.927E-07	3.056E-07	5.648E-06	3.200E-05	4.748E-10	6.846E-01	1.500E-01	4.654E-09	2.849E-07
4.700E+03	4.413E-07	2.253E-07	5.103E-06	3.482E-05	4.415E-10	7.124E-01	1.254E-01	1.170E-08	4.303E-07
4.800E+03	6.328E-07	1.658E-07	4.580E-06	3.757E-05	4.062E-10	7.360E-01	1.044E-01	1.550E-08	6.372E-07

TABLE II.- Continued

M	N	N2	N2*	N*	N-	N**	N***	N****	T
1.042E-06	1.220E-02	2.791E-09	4.702E-08	1.218E-31	6.720E-07	1.224E-04	1.099E-12	0.	2.100E+00
1.102E-06	7.995E-03	9.024E-10	2.379E-08	1.220E-01	3.963E-07	2.833E-04	1.689E-11	0.	2.200E+00
0.092E-07	5.463E-03	3.125E-10	1.748E-08	1.231E-01	2.397E-07	6.137E-04	1.204E-10	0.	2.300E+00
0.148E-07	3.827E-03	1.154E-10	6.773E-09	1.228E-01	1.473E-07	1.251E-04	7.438E-10	0.	2.400E+00
2.633E-07	2.741E-03	4.513E-11	3.782E-09	1.218E-01	9.299E-08	2.411E-03	3.998E-09	0.	2.500E+00
1.714E-07	1.999E-03	1.847E-11	2.154E-09	1.197E-01	5.993E-08	4.398E-03	1.892E-08	0.	2.600E+00
1.145E-07	1.475E-03	7.813E-12	1.239E-09	1.169E-01	3.924E-08	7.994E-03	7.942E-08	0.	2.700E+00
7.842E-08	1.095E-03	3.366E-12	7.101E-10	1.110E-01	2.596E-08	1.240E-02	2.964E-07	0.	2.800E+00
5.508E-08	8.110E-04	1.454E-12	4.032E-10	1.039E-01	1.720E-08	1.911E-02	9.517E-07	0.	2.900E+00
3.962E-08	5.953E-04	6.207E-13	2.190E-10	9.387E-02	1.139E-08	2.771E-02	2.969E-06	0.	3.000E+00
2.916E-08	4.306E-04	2.589E-13	1.153E-10	8.259E-02	7.424E-08	3.783E-02	8.601E-04	0.	3.100E+00
2.193E-08	3.061E-04	1.049E-13	5.811E-11	7.028E-02	4.788E-08	4.873E-02	1.959E-03	0.	3.200E+00
1.682E-08	2.138E-04	4.125E-14	2.812E-11	5.811E-02	3.044E-08	6.955E-02	4.372E-05	0.	3.300E+00
1.314E-08	1.470E-04	1.582E-14	1.315E-11	4.685E-02	1.910E-08	8.952E-02	4.044E-05	2.824E-11	3.400E+00
1.005E-08	1.000E-04	5.971E-15	5.998E-12	3.709E-02	1.188E-08	7.814E-02	1.751E-04	1.214E-10	3.500E+00
8.446E-09	0.762E-05	2.235E-15	2.898E-12	2.891E-02	7.366E-10	8.521E-02	3.201E-04	4.724E-10	3.600E+00
6.933E-09	0.563E-05	8.401E-16	1.207E-12	2.238E-02	4.558E-10	9.074E-02	5.577E-04	1.884E-09	3.700E+00
5.775E-09	3.086E-05	7.186E-16	5.419E-13	1.728E-02	2.834E-10	9.487E-02	9.324E-04	5.569E-09	3.800E+00
4.877E-09	2.098E-05	1.225E-16	2.453E-13	1.330E-02	1.774E-10	9.774E-02	1.504E-03	1.717E-08	3.900E+00
4.171E-09	1.432E-05	4.794E-17	1.124E-13	1.078E-02	1.114E-10	9.950E-02	2.349E-03	4.964E-08	4.000E+00
3.610E-09	9.845E-06	1.910E-17	5.211E-14	7.939E-03	7.123E-11	1.002E-01	1.563E-03	1.398E-07	4.100E+00
3.138E-09	6.810E-06	7.739E-18	2.446E-14	6.164E-03	4.574E-11	9.991E-02	5.254E-03	1.505E-07	4.200E+00
2.789E-09	4.735E-06	3.183E-18	1.194E-14	4.768E-03	2.959E-11	8.859E-02	7.542E-03	8.593E-07	4.300E+00
2.495E-09	3.303E-06	1.325E-18	5.532E-15	3.696E-03	1.924E-11	9.621E-02	1.094E-02	2.002E-06	4.400E+00
2.232E-09	2.308E-06	5.560E-19	2.848E-15	2.860E-03	1.259E-11	9.773E-02	1.432E-02	4.439E-06	4.500E+00
2.019E-09	1.612E-06	2.362E-19	1.267E-15	2.206E-03	8.298E-12	8.818E-02	1.899E-02	9.372E-06	4.600E+00
1.838E-09	1.124E-06	9.858E-20	6.030E-16	1.697E-03	5.401E-12	8.262E-02	2.433E-02	1.884E-05	4.700E+00
1.682E-09	7.797E-07	4.133E-20	2.847E-16	1.269E-03	3.331E-12	7.621E-02	3.042E-02	1.622E-05	4.800E+00
1.547E-09	5.381E-07	1.721E-20	1.331E-16	9.745E-04	2.301E-12	6.918E-02	3.694E-02	4.651E-05	4.900E+00
1.428E-09	3.691E-07	7.103E-21	6.144E-17	7.308E-04	1.493E-12	6.181E-02	4.371E-02	1.170E-04	5.000E+00

P/P0 = 5.20E+00

M	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	0.	1.845E-01	5.135E-21	0.	0.	0.	0.	0.	5.870E+02
0.	0.	2.360E-01	7.819E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.468E-33	2.467E-01	1.049E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.366E-29	2.490E-01	1.495E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.164E-25	2.498E-01	1.868E-20	0.	0.	0.	0.	0.	9.000E+02
0.	6.664E-23	2.498E-01	1.870E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.220E-20	2.499E-01	1.881E-20	0.	0.	0.	0.	0.	1.100E+03
0.	9.419E-19	2.499E-01	1.882E-20	0.	0.	0.	0.	0.	1.200E+03
0.	3.739E-17	2.500E-01	1.789E-20	0.	0.	0.	0.	0.	1.300E+03
0.	8.192E-16	2.500E-01	1.886E-20	0.	0.	0.	0.	0.	1.400E+03
0.	1.360E-14	2.500E-01	1.571E-20	0.	0.	0.	0.	0.	1.500E+03
0.	1.496E-13	2.500E-01	1.456E-20	0.	0.	0.	0.	0.	1.600E+03
7.228E-33	1.243E-12	2.500E-01	1.348E-20	0.	0.	0.	0.	0.	1.700E+03
0.	0.173E-12	2.500E-01	1.243E-20	0.	0.	0.	0.	0.	1.800E+03
0.	0.662E-12	2.500E-01	1.160E-20	0.	0.	0.	0.	0.	1.900E+03
0.	1.756E-24	2.500E-01	1.013E-20	0.	0.	0.	0.	0.	2.000E+03
0.	4.968E-22	2.500E-01	8.784E-20	0.	0.	0.	0.	0.	2.100E+03
0.	9.241E-21	2.498E-01	8.784E-20	0.	0.	0.	0.	0.	2.200E+03
1.007E-19	2.779E-09	2.497E-01	6.049E-19	0.	0.	0.	0.	0.	2.300E+03
0.591E-19	8.705E-09	2.495E-01	3.687E-18	0.	0.	0.	0.	0.	2.400E+03
0.045E-18	2.480E-08	2.492E-01	1.936E-17	0.	0.	0.	0.	0.	2.500E+03
3.639E-17	6.530E-08	2.488E-01	8.443E-17	0.	0.	0.	0.	0.	2.600E+03
1.903E-16	1.582E-07	2.482E-01	3.692E-16	0.	0.	0.	0.	0.	2.700E+03
8.780E-16	3.694E-07	2.473E-01	1.371E-15	0.	0.	0.	0.	0.	2.800E+03
3.619E-15	7.738E-07	2.461E-01	6.440E-15	0.	0.	0.	0.	0.	2.900E+03
1.367E-14	1.575E-06	2.448E-01	1.444E-14	0.	0.	0.	0.	0.	3.000E+03
4.571E-14	3.056E-06	2.426E-01	4.177E-14	0.	0.	0.	0.	0.	3.100E+03
1.671E-13	5.676E-06	2.402E-01	1.134E-13	0.	0.	0.	0.	0.	3.200E+03
0.112E-13	1.013E-05	2.372E-01	2.862E-13	0.	0.	0.	0.	0.	3.300E+03
1.134E-12	1.743E-05	2.337E-01	6.924E-13	0.	0.	0.	0.	0.	3.400E+03
2.776E-12	2.908E-05	2.296E-01	1.583E-12	0.	0.	0.	0.	0.	3.500E+03
0.508E-12	4.667E-05	2.253E-01	3.453E-12	0.	0.	0.	0.	0.	3.600E+03
1.430E-11	7.341E-05	2.198E-01	7.216E-12	0.	0.	0.	0.	0.	3.700E+03
3.075E-11	1.122E-04	2.141E-01	1.451E-11	0.	0.	0.	0.	0.	3.800E+03
6.159E-11	1.674E-04	2.081E-01	2.814E-11	0.	0.	0.	0.	0.	3.900E+03
1.219E-10	2.443E-04	2.019E-01	5.294E-11	0.	0.	0.	0.	0.	4.000E+03
2.411E-10	3.495E-04	1.958E-01	9.678E-11	0.	0.	0.	0.	0.	4.100E+03
3.736E-10	4.990E-04	1.893E-01	1.721E-10	0.	0.	0.	0.	0.	4.200E+03
6.261E-10	6.978E-04	1.822E-01	2.991E-10	0.	0.	0.	0.	0.	4.300E+03
1.011E-09	9.219E-04	1.749E-01	5.091E-10	0.	0.	0.	0.	0.	4.400E+03
1.579E-09	1.237E-03	1.672E-01	8.582E-10	0.	0.	0.	0.	0.	4.500E+03
2.370E-09	1.693E-03	1.672E-01	1.395E-09	0.	0.	0.	0.	0.	4.600E+03
3.480E-09	2.146E-03	1.629E-01	2.233E-09	0.	0.	0.	0.	0.	4.700E+03
4.981E-09	2.798E-03	1.590E-01	3.564E-09	0.	0.	0.	0.	0.	4.800E+03
6.951E-09	3.587E-03	1.558E-01	5.618E-09	0.	0.	0.	0.	0.	4.900E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
4.900E+03	9.408E-07	1.215E-07	4.090E-06	4.025E-04	3.710E-10	7.550E-01	8.670E-02	2.016E-08	9.260E-07
5.000E+03	1.357E-06	8.924E-08	3.641E-06	4.284E-04	3.391E-10	7.721E-01	7.205E-02	2.580E-08	1.326E-06
5.200E+03	2.656E-06	4.849E-08	2.860E-06	4.778E-04	2.801E-10	7.962E-01	4.977E-02	4.053E-08	2.592E-06
5.400E+03	4.936E-06	2.678E-08	2.255E-06	5.237E-04	2.300E-10	8.116E-01	3.466E-02	6.077E-08	4.802E-06
5.600E+03	8.775E-06	1.510E-08	1.774E-06	5.854E-04	1.882E-10	8.206E-01	2.444E-02	8.772E-08	8.491E-06
5.800E+03	1.500E-05	8.688E-09	1.399E-06	6.021E-04	1.534E-10	8.252E-01	1.740E-02	1.224E-07	1.440E-05
6.000E+03	2.477E-05	5.098E-09	1.105E-06	6.327E-04	1.243E-10	8.263E-01	1.260E-02	1.666E-07	2.333E-05
6.200E+03	3.966E-05	3.043E-09	8.731E-07	6.559E-04	9.989E-11	8.248E-01	9.320E-03	2.209E-07	3.717E-05
6.400E+03	6.178E-05	1.843E-09	6.894E-07	6.705E-04	7.940E-11	8.211E-01	6.956E-03	2.864E-07	5.695E-05
6.600E+03	9.387E-05	1.129E-09	5.429E-07	6.753E-04	6.222E-11	8.157E-01	5.253E-03	3.640E-07	8.484E-05
6.800E+03	1.395E-04	6.979E-10	4.258E-07	6.898E-04	4.795E-11	8.090E-01	4.016E-03	4.544E-07	1.232E-04
7.000E+03	2.029E-04	4.345E-10	3.322E-07	6.938E-04	3.625E-11	8.015E-01	3.106E-03	5.584E-07	1.750E-04
7.200E+03	2.897E-04	2.722E-10	2.577E-07	6.280E-04	2.886E-11	7.935E-01	2.431E-03	3.771E-07	2.435E-04
7.400E+03	4.062E-04	1.715E-10	1.989E-07	5.940E-04	1.950E-11	7.856E-01	1.920E-03	8.121E-07	3.277E-04
7.600E+03	5.622E-04	1.088E-10	1.520E-07	5.560E-04	1.390E-11	7.781E-01	1.544E-03	9.654E-07	4.477E-04
7.800E+03	7.605E-04	6.953E-11	1.170E-07	5.102E-04	9.749E-12	7.715E-01	1.252E-03	1.139E-06	5.940E-04
8.000E+03	1.017E-03	4.465E-11	8.955E-08	4.653E-04	6.761E-12	7.658E-01	1.020E-03	1.337E-06	7.704E-04
8.200E+03	1.342E-03	2.923E-11	6.860E-08	4.211E-04	4.655E-12	7.610E-01	8.533E-04	1.561E-06	1.009E-03
1.400E+03	1.748E-03	1.927E-11	5.270E-08	3.792E-04	3.194E-12	7.571E-01	7.151E-04	1.814E-06	1.294E-03
8.600E+03	2.249E-03	1.287E-11	4.046E-08	3.406E-04	2.196E-12	7.538E-01	6.050E-04	2.099E-06	1.643E-03
8.800E+03	2.862E-03	8.699E-12	3.154E-08	3.055E-04	1.515E-12	7.510E-01	5.162E-04	2.416E-06	2.067E-03
9.000E+03	3.634E-03	5.956E-12	2.461E-08	2.740E-04	1.052E-12	7.486E-01	4.436E-04	2.768E-06	2.577E-03
9.200E+03	4.495E-03	4.128E-12	1.933E-08	2.461E-04	7.359E-13	7.463E-01	3.837E-04	3.156E-06	3.185E-03
9.400E+03	5.594E-03	2.896E-12	1.528E-08	2.213E-04	5.186E-13	7.440E-01	3.338E-04	3.581E-06	3.906E-03
9.600E+03	6.803E-03	2.054E-12	1.215E-08	1.994E-04	3.687E-13	7.417E-01	2.919E-04	4.063E-06	4.732E-03
9.800E+03	8.266E-03	1.473E-12	9.727E-09	1.800E-04	2.644E-13	7.392E-01	2.564E-04	4.543E-06	5.799E-03
1.000E+04	9.967E-03	1.066E-12	7.820E-09	1.628E-04	1.911E-13	7.365E-01	2.262E-04	5.000E-06	6.881E-03
1.100E+04	1.294E-02	7.390E-13	2.832E-09	1.009E-04	4.185E-14	7.174E-01	1.264E-04	6.294E-06	1.590E-02
1.200E+04	1.6570E-02	6.104E-14	1.100E-09	6.365E-05	1.027E-14	6.852E-01	7.389E-05	1.214E-05	3.950E-02
1.300E+04	8.781E-02	1.627E-14	4.327E-10	3.952E-05	2.592E-15	6.357E-01	4.330E-05	1.604E-05	5.376E-02
1.400E+04	1.294E-01	4.195E-15	1.632E-10	2.337E-05	6.239E-16	5.674E-01	2.479E-05	1.903E-05	6.584E-02
1.500E+04	1.675E-01	9.800E-16	5.636E-11	1.280E-05	1.341E-16	4.831E-01	1.339E-05	2.021E-05	7.261E-02
1.600E+04	2.514E-01	1.942E-16	1.728E-11	6.367E-06	2.464E-17	3.899E-01	6.700E-06	1.914E-05	1.715E-01
1.700E+04	3.128E-01	3.412E-17	4.653E-12	2.869E-06	3.822E-18	2.980E-01	3.074E-06	1.623E-05	2.747E-01
1.800E+04	3.657E-01	5.078E-18	1.118E-12	1.188E-06	5.154E-19	2.168E-01	1.301E-06	1.262E-05	2.589E-01
1.900E+04	4.069E-01	6.854E-19	2.491E-13	4.653E-07	6.311E-20	1.522E-01	5.188E-07	6.762E-06	2.946E-01
2.000E+04	4.365E-01	8.928E-20	5.401E-14	1.785E-07	7.585E-21	1.048E-01	2.007E-07	5.857E-06	3.178E-01
2.100E+04	4.567E-01	1.187E-20	1.190E-14	6.911E-08	9.438E-22	7.198E-02	7.757E-08	3.807E-06	3.359E-01
2.200E+04	4.702E-01	1.680E-21	2.747E-15	2.754E-08	1.264E-22	4.991E-02	3.064E-08	2.453E-06	3.474E-01
2.300E+04	4.793E-01	2.589E-22	6.759E-16	1.162E-08	1.857E-23	3.523E-02	1.254E-08	1.592E-06	3.533E-01
2.400E+04	4.854E-01	4.387E-23	1.785E-16	4.950E-09	3.016E-24	2.541E-02	5.333E-09	1.067E-06	3.605E-01
2.500E+04	4.899E-01	8.182E-24	5.055E-17	2.239E-09	5.995E-25	1.877E-02	2.390E-09	7.808E-07	3.638E-01
2.600E+04	4.934E-01	1.671E-24	1.530E-17	1.054E-09	1.054E-25	1.419E-02	1.114E-09	4.778E-07	3.637E-01
2.700E+04	4.967E-01	3.705E-25	4.911E-18	5.127E-10	2.224E-26	1.007E-02	5.435E-10	3.194E-07	3.655E-01
2.800E+04	5.001E-01	8.832E-26	1.658E-18	2.562E-10	4.986E-27	6.661E-03	2.754E-10	2.364E-07	3.661E-01
2.900E+04	5.039E-01	2.237E-26	5.829E-19	1.304E-10	1.164E-27	6.970E-03	1.450E-10	1.685E-07	3.651E-01
3.000E+04	5.085E-01	5.954E-27	2.114E-19	6.713E-11	2.819E-28	5.707E-03	7.895E-11	1.229E-07	3.629E-01
3.100E+04	5.137E-01	1.648E-27	7.839E-20	3.468E-11	6.891E-29	4.766E-03	4.662E-11	9.062E-08	3.600E-01
3.200E+04	5.193E-01	4.708E-28	2.953E-20	1.789E-11	1.690E-29	4.062E-03	2.563E-11	6.801E-08	3.564E-01
3.300E+04	5.259E-01	1.381E-28	1.126E-20	9.701E-12	4.138E-30	3.416E-03	1.523E-11	5.159E-08	3.529E-01
3.400E+04	5.304E-01	4.152E-29	4.345E-21	4.717E-12	1.012E-30	2.946E-03	9.271E-12	3.963E-08	3.493E-01
3.500E+04	5.352E-01	1.240E-29	1.698E-21	2.416E-12	2.681E-31	2.571E-03	5.774E-12	3.082E-08	3.468E-01
3.600E+04	5.394E-01	4.053E-30	6.739E-22	1.241E-12	6.142E-32	2.261E-03	3.674E-12	2.426E-08	3.432E-01
3.700E+04	5.429E-01	1.322E-30	2.725E-22	6.419E-13	1.547E-32	2.005E-03	2.383E-12	1.932E-08	3.408E-01
3.800E+04	5.458E-01	4.465E-31	1.125E-22	3.353E-13	0.	1.791E-03	1.578E-12	1.555E-08	3.389E-01
3.900E+04	5.481E-01	1.543E-31	4.750E-23	1.774E-13	0.	1.610E-03	1.062E-12	1.264E-08	3.373E-01
4.000E+04	5.501E-01	5.531E-32	2.054E-23	9.512E-14	0.	1.456E-03	7.264E-13	1.037E-08	3.360E-01
4.100E+04	5.519E-01	2.065E-32	9.066E-24	5.175E-14	0.	1.323E-03	5.044E-13	8.577E-09	3.348E-01
4.200E+04	5.535E-01	7.748E-33	4.110E-24	2.859E-14	0.	1.208E-03	3.522E-13	7.139E-09	3.337E-01
4.300E+04	5.551E-01	3.049E-33	1.899E-24	1.596E-14	0.	1.107E-03	2.514E-13	5.905E-09	3.326E-01
4.400E+04	5.568E-01	1.124E-33	8.934E-25	8.025E-15	0.	1.019E-03	1.803E-13	5.047E-09	3.314E-01
4.500E+04	5.587E-01	5.023E-34	4.273E-25	5.153E-15	0.	9.410E-04	1.336E-13	4.278E-09	3.300E-01
4.600E+04	5.609E-01	2.101E-34	2.072E-25	2.964E-15	0.	8.715E-04	9.862E-14	3.664E-09	3.285E-01
4.700E+04	5.633E-01	0.	1.016E-25	1.714E-15	0.	8.053E-04	7.350E-14	3.117E-09	3.267E-01
4.800E+04	5.648E-01	3.849E-35	5.024E-26	9.944E-16	0.	7.534E-04	5.529E-14	2.678E-09	3.257E-01
4.900E+04	5.664E-01	0.	2.501E-26	5.777E-16	0.	7.029E-04	4.193E-14	2.309E-09	3.248E-01
5.000E+04	5.720E-01	0.	1.251E-26	3.346E-16	0.	6.592E-04	3.210E-14	1.998E-09	3.240E-01

P/P/P = 6.222E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	2.987E-01	1.456E-20	1.133E-34	8.184E-29	2.076E-21	5.258E-01	1.099E-18	1.723E-21
6.000E+02	0.	6.594E-02	1.698E-17	8.413E-29	6.101E-22	1.588E-17	7.005E-01	8.035E-18	6.567E-21
7.000E+02	0.	1.567E-02	2.043E-15	1.127E-24	2.511E-22	8.004E-15	7.382E-01	8.338E-19	2.072E-20
8.000E+02	0.	4.886E-03	6.980E-14	1.362E-21	2.162E-20	1.025E-12	7.463E-01	7.934E-19	4.820E-20
9.000E+02	0.	1.917E-03	1.072E-12	3.362E-19	6.750E-13	4.137E-11	7.486E-01	7.435E-19	9.740E-20
1.000E+03	0.	8.958E-04	9.612E-12	2.782E-17	1.044E-17	8.029E-10	7.483E-01	8.814E-19	1.525E-19
1.100E+03	0.	4.778E-04	5.765E-11	1.024E-15	9.993E-17	6.164E-09	7.466E-01	6.119E-19	2.209E-19
1.200E+03	0.	2.671E-04	2.439E-10	2.068E-14	6.525E-18	6.976E-08	7.448E-01	5.411E-19	2.916E-19

TABLE II. - Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
9.500E-09	4.532E-03	1.525E-01	8.682E-09	2.702E-09	2.976E-11	0.	0.	0.	4.900E+03
1.274E-04	5.736E-03	1.497E-01	1.323E-08	4.979E-09	5.132E-11	0.	0.	0.	5.000E+03
2.180E-08	8.829E-03	1.447E-01	2.950E-08	1.585E-08	1.426E-10	0.	0.	0.	5.200E+03
3.534E-08	1.321E-02	1.400E-01	6.230E-08	4.655E-08	3.654E-10	0.	0.	0.	5.400E+03
5.477E-08	1.919E-02	1.351E-01	1.247E-07	1.268E-07	8.704E-10	0.	0.	0.	5.600E+03
8.175E-08	2.706E-02	1.296E-01	2.369E-07	3.120E-07	1.940E-09	0.	0.	0.	5.800E+03
1.162E-07	3.711E-02	1.232E-01	4.272E-07	7.653E-07	4.070E-09	1.020E-24	0.	0.	6.000E+03
1.661E-07	4.951E-02	1.156E-01	7.314E-07	1.709E-06	8.070E-09	9.768E-24	0.	0.	6.200E+03
2.277E-07	6.429E-02	1.068E-01	1.189E-06	3.598E-06	1.518E-08	8.058E-23	0.	0.	6.400E+03
3.055E-07	8.128E-02	9.685E-02	1.838E-06	7.162E-06	2.71E-08	5.786E-22	0.	0.	6.600E+03
4.019E-07	1.001E-01	8.594E-02	2.691E-06	1.351E-05	4.631E-08	3.652E-21	0.	0.	6.800E+03
5.196E-07	1.194E-01	7.444E-02	3.745E-06	2.421E-05	7.544E-08	2.044E-20	0.	0.	7.000E+03
6.613E-07	1.400E-01	6.284E-02	4.952E-06	3.134E-05	1.176E-07	1.023E-19	0.	0.	7.200E+03
8.298E-07	1.594E-01	5.167E-02	6.232E-06	4.740E-05	1.758E-07	4.614E-19	0.	0.	7.400E+03
1.028E-06	1.772E-01	4.142E-02	7.484E-06	6.053E-05	2.527E-07	1.892E-18	0.	0.	7.600E+03
1.268E-06	1.928E-01	3.245E-02	8.622E-06	7.583E-05	3.502E-07	7.104E-18	0.	0.	7.800E+03
1.527E-06	2.075E-01	2.498E-02	9.574E-06	8.498E-05	4.698E-07	2.464E-17	0.	0.	8.000E+03
1.834E-06	2.181E-01	1.893E-02	1.031E-05	9.240E-05	6.124E-07	7.963E-17	0.	0.	8.200E+03
2.181E-06	2.241E-01	1.422E-02	1.084E-05	4.447E-04	7.789E-07	2.411E-16	0.	0.	8.400E+03
2.572E-06	2.361E-01	1.064E-02	1.119E-05	5.970E-04	9.701E-07	6.887E-16	0.	0.	8.600E+03
3.009E-06	2.494E-01	7.953E-03	1.139E-05	7.862E-04	1.187E-06	1.867E-15	0.	0.	8.800E+03
3.493E-06	2.578E-01	5.957E-03	1.147E-05	1.018E-03	1.430E-06	4.824E-15	0.	0.	9.000E+03
4.025E-06	2.596E-01	4.479E-03	1.148E-05	1.300E-03	1.700E-06	1.193E-14	0.	0.	9.200E+03
4.605E-06	2.409E-01	3.386E-03	1.138E-05	1.639E-03	1.998E-06	2.834E-14	0.	0.	9.400E+03
5.234E-06	2.417E-01	2.575E-03	1.126E-05	2.043E-03	2.324E-06	6.494E-14	0.	0.	9.600E+03
5.910E-06	2.419E-01	1.971E-03	1.111E-05	2.521E-03	2.678E-06	1.437E-13	0.	0.	9.800E+03
6.631E-06	2.417E-01	1.518E-03	1.092E-05	3.080E-03	3.059E-06	3.080E-13	0.	0.	1.000E+04
1.083E-05	2.368E-01	4.508E-04	9.759E-06	3.433E-03	3.328E-06	4.190E-12	0.	0.	1.100E+04
1.351E-05	2.231E-01	1.532E-04	8.329E-06	1.520E-02	7.908E-06	1.421E-10	0.	0.	1.200E+04
1.609E-05	2.023E-01	5.318E-05	6.703E-06	2.715E-02	1.016E-05	1.721E-09	3.665E-24	0.	1.300E+04
2.219E-05	1.764E-01	1.404E-05	4.994E-06	4.310E-02	1.133E-05	1.345E-08	4.456E-22	0.	1.400E+04
2.214E-05	1.615E-01	6.816E-06	3.388E-06	6.153E-02	1.096E-05	7.960E-08	2.969E-20	0.	1.500E+04
1.957E-05	1.073E-01	2.171E-06	2.071E-06	7.984E-02	9.228E-05	3.753E-07	1.272E-18	0.	1.600E+04
1.539E-05	7.638E-02	6.691E-07	1.150E-06	9.541E-02	6.840E-06	1.449E-06	3.400E-17	0.	1.700E+04
1.093E-05	5.175E-02	1.968E-07	5.938E-07	1.068E-01	4.570E-06	4.947E-06	6.869E-16	0.	1.800E+04
7.746E-06	3.657E-02	5.737E-08	2.932E-07	1.167E-01	2.844E-06	1.475E-05	1.062E-14	0.	1.900E+04
4.809E-06	2.224E-02	1.695E-08	1.436E-07	1.186E-01	1.704E-06	7.983E-05	1.305E-13	0.	2.000E+04
2.732E-06	1.467E-02	5.211E-09	7.138E-08	1.211E-01	1.010E-06	9.892E-05	1.311E-12	0.	2.100E+04
1.660E-06	9.643E-03	1.710E-09	3.644E-08	1.224E-01	6.036E-07	2.264E-04	1.799E-11	0.	2.200E+04
1.018E-06	6.762E-03	5.965E-10	1.924E-08	1.229E-01	3.663E-07	4.443E-04	7.838E-11	0.	2.300E+04
6.356E-07	4.756E-03	2.224E-10	1.053E-08	1.229E-01	2.274E-07	1.008E-03	4.821E-10	0.	2.400E+04
4.054E-07	3.420E-03	8.781E-11	5.917E-09	1.222E-01	1.444E-07	1.946E-03	2.592E-09	0.	2.500E+04
2.648E-07	2.535E-03	3.621E-11	3.400E-09	1.204E-01	9.347E-08	3.558E-03	1.230E-08	0.	2.600E+04
1.771E-07	1.861E-03	1.556E-11	1.975E-09	1.178E-01	6.142E-08	6.181E-03	5.191E-08	0.	2.700E+04
1.215E-07	1.393E-03	6.809E-12	1.154E-09	1.134E-01	4.107E-08	1.018E-02	1.959E-07	0.	2.800E+04
8.364E-08	1.044E-03	3.011E-12	6.682E-10	1.071E-01	2.754E-08	1.589E-02	6.630E-07	0.	2.900E+04
6.140E-08	7.779E-04	1.325E-12	3.760E-10	9.867E-02	1.844E-08	2.343E-02	2.019E-06	0.	3.000E+04
4.519E-08	5.730E-04	5.731E-13	2.053E-10	8.860E-02	1.227E-08	3.261E-02	5.552E-06	0.	3.100E+04
3.399E-08	4.157E-04	2.418E-13	1.079E-10	7.689E-02	8.095E-09	4.291E-02	1.386E-05	0.	3.200E+04
2.608E-08	2.963E-04	9.918E-14	5.444E-11	6.489E-02	5.243E-09	5.355E-02	3.165E-05	0.	3.300E+04
2.022E-08	2.022E-04	3.964E-14	2.851E-11	5.338E-02	3.360E-09	6.376E-02	6.677E-05	1.678E-11	3.400E+04
1.523E-08	1.464E-04	1.553E-14	1.755E-11	4.294E-02	2.111E-09	7.293E-02	1.314E-04	7.329E-11	3.500E+04
1.113E-08	9.914E-05	5.966E-15	5.325E-12	3.407E-02	1.343E-09	8.373E-02	2.437E-04	2.897E-10	3.600E+04
1.079E-08	6.743E-05	2.323E-15	2.674E-12	2.673E-02	8.418E-10	8.785E-02	4.297E-04	1.063E-09	3.700E+04
8.908E-09	4.661E-05	8.979E-16	1.730E-12	2.094E-02	5.211E-10	9.195E-02	7.254E-04	3.478E-09	3.800E+04
7.546E-09	3.183E-05	3.532E-16	5.674E-13	1.621E-02	3.357E-10	9.555E-02	1.180E-03	1.000E-08	3.900E+04
6.449E-09	2.192E-05	1.405E-16	2.641E-13	1.260E-02	2.139E-10	9.799E-02	1.854E-03	3.169E-08	4.000E+04
5.676E-09	1.518E-05	5.678E-17	1.242E-13	9.813E-03	1.370E-10	9.938E-02	2.833E-03	8.649E-08	4.100E+04
4.922E-09	1.059E-05	2.338E-17	5.912E-14	7.654E-03	8.860E-11	9.976E-02	4.207E-03	2.258E-07	4.200E+04
4.348E-09	7.438E-06	9.726E-18	2.843E-14	5.978E-03	5.772E-11	9.916E-02	6.082E-03	5.557E-07	4.300E+04
3.874E-09	5.207E-06	4.112E-18	1.376E-14	4.672E-03	3.785E-11	9.755E-02	8.567E-03	1.301E-06	4.400E+04
3.479E-09	3.671E-06	1.753E-18	6.714E-15	3.649E-03	2.695E-11	9.496E-02	1.178E-02	2.924E-06	4.500E+04
3.146E-09	2.549E-06	7.548E-19	3.277E-15	2.843E-03	1.650E-11	9.121E-02	1.572E-02	6.744E-06	4.600E+04
2.863E-09	1.823E-06	3.253E-19	1.596E-15	2.206E-03	1.092E-11	8.650E-02	2.045E-02	1.273E-05	4.700E+04
2.628E-09	1.282E-06	1.349E-19	7.734E-16	1.773E-03	7.232E-12	7.886E-02	2.591E-02	2.480E-05	4.800E+04
2.438E-09	8.974E-07	5.964E-20	3.716E-16	1.306E-03	4.767E-12	7.447E-02	3.195E-02	4.627E-05	4.900E+04
2.273E-09	6.264E-07	2.545E-20	1.768E-16	9.938E-04	3.143E-12	6.755E-02	3.838E-02	6.256E-05	5.000E+04

P/PQ = 6.00E+00

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.753E-01	5.252E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.338E-01	7.695E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.356E-03	2.461E-01	1.896E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.642E-04	2.888E-01	1.415E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.043E-05	2.495E-01	1.678E-20	0.	0.	0.	0.	0.	9.000E+02
0.	6.349E-05	2.444E-01	1.851E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.113E-05	2.499E-01	1.926E-20	0.	0.	0.	0.	0.	1.100E+03
0.	6.746E-05	2.494E-01	1.923E-20	0.	0.	0.	0.	0.	1.200E+03

TABLE II. - Continued

T	E-	NH+	NH2	NH	N2H2	H	N2	N2+	H+
1.300E+03	0.	1.805E-04	8.475E-10	2.637E-13	3.202E-15	3.910E-07	7.499E-01	4.743E-19	3.599E-19
1.500E+03	0.	1.232E-04	2.466E-09	2.326E-12	1.256E-14	1.719E-06	7.499E-01	4.143E-19	4.197E-19
1.500E+03	0.	8.858E-05	6.218E-09	1.544E-11	4.117E-14	6.218E-06	7.499E-01	3.624E-19	4.728E-19
1.600E+03	3.241E-29	6.646E-05	1.397E-08	8.065E-11	1.167E-13	1.920E-05	7.499E-01	3.182E-19	5.181E-19
1.700E+03	3.137E-26	5.165E-05	2.851E-08	3.469E-10	2.955E-13	5.205E-05	7.499E-01	2.810E-19	5.543E-19
1.800E+03	1.439E-23	4.134E-05	5.376E-08	1.269E-09	6.680E-13	1.264E-04	7.499E-01	2.498E-19	5.885E-19
1.900E+03	3.486E-19	3.392E-05	9.483E-08	4.050E-09	1.397E-12	2.881E-04	7.497E-01	2.244E-19	6.181E-19
2.000E+03	3.535E-19	2.842E-05	1.580E-07	1.151E-08	2.721E-12	5.739E-04	7.495E-01	2.854E-19	9.034E-19
2.100E+03	5.749E-18	2.424E-05	2.567E-07	2.961E-08	4.979E-12	1.099E-03	7.490E-01	1.425E-18	5.120E-18
2.200E+03	4.748E-17	2.098E-05	3.812E-07	6.989E-08	6.634E-12	1.966E-03	7.482E-01	9.512E-18	3.834E-17
2.300E+03	3.115E-16	1.840E-05	5.585E-07	1.530E-07	1.428E-11	3.409E-03	7.470E-01	5.852E-17	2.531E-16
2.400E+03	1.742E-15	1.629E-05	7.917E-07	3.137E-07	2.266E-11	5.595E-03	7.451E-01	2.914E-16	1.439E-15
2.500E+03	8.503E-15	1.455E-05	1.090E-06	6.067E-07	3.462E-11	6.624E-03	7.423E-01	1.322E-15	7.132E-15
2.600E+03	3.681E-14	1.308E-05	1.440E-06	1.114E-06	5.111E-11	1.364E-02	7.382E-01	5.359E-15	3.313E-14
2.700E+03	1.432E-13	1.181E-05	1.908E-06	1.951E-06	7.315E-11	1.981E-02	7.327E-01	1.945E-14	1.233E-13
2.800E+03	5.042E-13	1.049E-05	2.437E-06	3.278E-06	1.017E-10	2.838E-02	7.252E-01	6.458E-14	4.488E-13
2.900E+03	1.442E-12	9.683E-06	3.044E-06	5.298E-06	1.375E-10	3.960E-02	7.153E-01	1.970E-13	1.444E-12
3.000E+03	4.924E-12	8.762E-06	3.728E-06	6.265E-06	1.812E-10	5.382E-02	7.028E-01	5.572E-13	4.371E-11
3.100E+03	1.376E-11	7.904E-06	4.472E-06	1.248E-05	2.327E-10	7.177E-02	6.872E-01	1.470E-12	1.232E-11
3.200E+03	3.605E-11	7.095E-06	5.240E-06	1.828E-05	2.916E-10	9.354E-02	6.687E-01	1.435E-12	3.253E-11
3.300E+03	8.901E-11	6.324E-06	6.064E-06	2.601E-05	3.588E-10	1.195E-01	6.454E-01	6.471E-12	6.890E-11
3.400E+03	2.062E-10	5.593E-06	6.881E-06	3.604E-05	4.261E-10	1.490E-01	6.189E-01	1.868E-11	1.907E-10
3.500E+03	4.630E-10	4.894E-06	7.610E-06	4.866E-05	4.949E-10	1.845E-01	5.885E-01	1.912E-11	4.270E-10
3.600E+03	9.834E-10	4.232E-06	8.472E-06	6.412E-05	5.659E-10	2.233E-01	5.546E-01	7.602E-11	9.127E-10
3.700E+03	2.001E-09	3.610E-06	8.827E-06	8.256E-05	6.294E-10	2.657E-01	5.174E-01	1.484E-10	1.864E-09
3.800E+03	3.910E-09	3.076E-06	9.231E-06	1.040E-04	6.865E-10	3.111E-01	4.777E-01	2.711E-10	3.473E-09
3.900E+03	7.364E-09	2.514E-06	9.468E-06	1.282E-04	7.275E-10	3.587E-01	4.360E-01	4.746E-10	6.954E-09
4.000E+03	1.339E-08	2.048E-06	9.529E-06	1.550E-04	7.564E-10	4.073E-01	3.934E-01	7.989E-10	1.271E-08
4.100E+03	2.358E-08	1.642E-06	9.415E-06	1.838E-04	7.704E-10	4.559E-01	3.508E-01	1.294E-09	2.249E-08
4.200E+03	4.027E-08	1.294E-06	9.143E-06	2.143E-04	7.694E-10	5.033E-01	3.093E-01	2.311E-09	3.850E-08
4.300E+03	6.687E-08	1.008E-06	8.735E-06	2.459E-04	7.553E-10	5.485E-01	2.694E-01	3.079E-09	6.431E-08
4.400E+03	1.082E-07	7.740E-07	8.225E-06	2.781E-04	7.297E-10	5.905E-01	2.327E-01	4.520E-09	1.044E-07
4.500E+03	1.707E-07	5.875E-07	7.644E-06	3.104E-04	6.954E-10	6.249E-01	1.990E-01	6.475E-09	1.652E-07
4.600E+03	2.634E-07	4.417E-07	7.026E-06	3.424E-04	6.551E-10	6.631E-01	1.689E-01	9.022E-09	2.955E-07
4.700E+03	3.979E-07	3.298E-07	6.399E-06	3.740E-04	6.114E-10	6.931E-01	1.424E-01	1.228E-08	3.849E-07
4.800E+03	5.497E-07	2.451E-07	5.785E-06	4.049E-04	5.643E-10	7.189E-01	1.195E-01	1.637E-08	5.742E-07
4.900E+03	8.504E-07	1.817E-07	5.200E-06	4.351E-04	5.214E-10	7.408E-01	1.000E-01	2.141E-08	8.368E-07
5.000E+03	1.229E-06	1.346E-07	4.655E-06	4.643E-04	4.780E-10	7.591E-01	8.357E-02	2.753E-08	1.199E-06
5.200E+03	2.411E-06	7.420E-08	3.702E-06	5.201E-04	3.981E-10	7.867E-01	5.831E-02	4.350E-08	2.350E-06
5.400E+03	4.449E-06	4.143E-08	2.931E-06	5.720E-04	3.292E-10	8.049E-01	4.091E-02	6.573E-08	4.645E-06
5.600E+03	7.987E-06	2.355E-08	2.319E-06	6.194E-04	2.710E-10	8.161E-01	2.900E-02	9.530E-08	7.330E-06
5.800E+03	1.366E-05	1.365E-08	1.637E-06	6.616E-04	2.222E-10	8.223E-01	2.082E-02	1.337E-07	1.313E-05
6.000E+03	2.257E-05	8.041E-09	1.458E-06	6.974E-04	1.812E-10	8.247E-01	1.515E-02	1.822E-07	2.148E-05
6.200E+03	3.614E-05	4.842E-09	1.158E-06	7.256E-04	1.467E-10	8.243E-01	1.118E-02	2.421E-07	3.597E-05
6.400E+03	5.630E-05	2.951E-09	9.194E-07	7.449E-04	1.176E-10	8.216E-01	8.356E-03	3.146E-07	5.209E-05
6.600E+03	8.555E-05	1.420E-09	7.283E-07	7.539E-04	9.305E-11	8.170E-01	6.323E-03	4.006E-07	7.749E-05
6.800E+03	1.271E-04	1.133E-09	5.749E-07	7.519E-04	7.251E-11	8.109E-01	4.842E-03	5.010E-07	1.130E-04
7.000E+03	1.849E-04	7.111E-10	4.517E-07	7.386E-04	5.552E-11	8.039E-01	3.750E-03	6.165E-07	1.605E-04
7.200E+03	2.639E-04	4.489E-10	3.531E-07	7.144E-04	4.171E-11	7.962E-01	2.938E-03	7.483E-07	2.235E-04
7.400E+03	3.701E-04	2.851E-10	2.745E-07	6.807E-04	3.072E-11	7.844E-01	2.328E-03	8.978E-07	3.055E-04
7.600E+03	5.134E-04	1.821E-10	2.124E-07	6.394E-04	2.222E-11	7.810E-01	1.864E-03	1.047E-06	4.109E-04
7.800E+03	6.930E-04	1.172E-10	1.638E-07	5.931E-04	1.581E-11	7.741E-01	1.513E-03	1.259E-06	5.450E-04
8.000E+03	9.273E-04	7.601E-11	1.261E-07	5.443E-04	1.110E-11	7.681E-01	1.241E-03	1.746E-06	7.138E-04
8.200E+03	1.224E-03	4.978E-11	9.709E-08	4.954E-04	7.729E-12	7.630E-01	1.029E-03	1.721E-06	9.244E-04
8.400E+03	1.594E-03	3.295E-11	7.491E-08	4.482E-04	5.356E-12	7.588E-01	8.620E-04	1.998E-06	1.185E-03
8.600E+03	2.052E-03	2.207E-11	5.799E-08	4.040E-04	3.709E-12	7.553E-01	7.289E-04	2.310E-06	1.504E-03
8.800E+03	2.612E-03	1.496E-11	4.511E-08	3.635E-04	2.575E-12	7.523E-01	6.215E-04	2.657E-06	1.891E-03
9.000E+03	3.290E-03	1.026E-11	3.529E-08	3.269E-04	1.796E-12	7.497E-01	5.339E-04	3.042E-06	2.356E-03
9.200E+03	4.103E-03	7.127E-12	2.779E-08	2.941E-04	1.241E-12	7.473E-01	4.617E-04	3.468E-06	2.912E-03
9.400E+03	5.070E-03	5.008E-12	2.199E-08	2.650E-04	8.921E-13	7.451E-01	4.017E-04	3.933E-06	3.570E-03
9.600E+03	6.212E-03	3.598E-12	1.752E-08	2.393E-04	6.361E-13	7.428E-01	3.513E-04	4.441E-06	4.343E-03
9.800E+03	7.550E-03	2.555E-12	1.404E-08	2.161E-04	4.573E-13	7.404E-01	3.087E-04	4.991E-06	5.245E-03
1.000E+04	9.105E-03	1.653E-12	1.131E-08	1.958E-04	3.314E-13	7.379E-01	2.724E-04	5.582E-06	6.289E-03
1.100E+04	2.094E-02	4.194E-13	4.127E-09	1.220E-04	7.348E-14	7.203E-01	1.529E-04	9.162E-06	1.418E-02
1.200E+04	4.184E-02	1.093E-13	1.625E-09	7.772E-05	1.837E-14	6.906E-01	9.002E-05	1.347E-05	2.794E-02
1.300E+04	7.435E-02	2.990E-14	6.529E-10	4.899E-05	4.780E-15	6.449E-01	5.357E-05	1.795E-05	4.932E-02
1.400E+04	1.193E-01	8.036E-15	2.543E-10	2.963E-05	1.203E-15	5.813E-01	3.122E-05	2.159E-05	7.922E-02
1.500E+04	1.748E-01	1.990E-15	9.184E-11	1.673E-05	2.752E-16	5.017E-01	1.733E-05	2.339E-05	1.171E-01
1.600E+04	2.364E-01	4.334E-16	2.979E-11	8.656E-06	6.465E-17	4.120E-01	8.978E-06	2.274E-05	1.606E-01
1.700E+04	2.974E-01	8.120E-17	8.557E-12	4.076E-06	9.259E-18	3.214E-01	4.292E-06	1.986E-05	2.054E-01
1.800E+04	3.514E-01	1.319E-17	2.196E-12	1.764E-06	1.359E-18	2.390E-01	1.897E-06	1.569E-05	2.474E-01
1.900E+04	3.969E-01	1.930E-18	5.196E-13	7.191E-07	1.808E-19	1.712E-01	7.876E-07	1.142E-05	2.824E-01
2.000E+04	4.271E-01	2.686E-19	1.183E-13	2.848E-07	2.317E-20	1.199E-01	3.154E-07	7.838E-06	3.097E-01
2.100E+04	4.497E-01	3.756E-20	2.705E-14	1.129E-07	3.023E-21	8.347E-02	1.252E-07	5.199E-06	3.292E-01
2.200E+04	4.651E-01	5.110E-21	6.412E-15	4.576E-08	4.185E-22	5.844E-02	5.041E-08	3.401E-06	3.428E-01
2.300E+04	4.754E-01	6.709E-22	1.407E-15	1.920E-08	6.297E-23	4.153E-02	2.091E-08	2.231E-06	3.519E-01
2.400E+04	4.825E-01	1.503E-22	4.300E-16	8.351E-09	1.040E-23	3.010E-02	9.012E-09	1.478E-06	3.580E-01
2.500E+04	4.876E-01	2.839E-23	1.230E-16	3.821E-09	1.885E-24	2.231E-02	4.051E-09	9.943E-07	3.620E-01
2.600E+04	4.915E-01	5.860E-24	3.753E-17	1.808E-09	3.127E-25	1.690E-02	1.900E-09	6.806E-07	3.644E-01
2.700E+04	4.949E-01	1.312E-24	1.214E-17	8.854E-10	7.958E-26	1.309E-02	9.285E-10	4.741E-07	3.657E-01
2.800E+04	4.983E-01	3.157E-25	4.135E-18	4.457E-10	1.810E-26	1.035E-02	4.719E-10	3.368E-07	3.659E-01
2.900E+04	5.020E-01	8.086E-26	1.468E-18	2.290E-10	4.324E-27	6.334E-03	2.488E-10	2.419E-07	3.652E-01
3.000E+04	5.063E-01	2.180E-26	5.391E-19	1.192E-10	1.192E-27	6.334E-03	1.358E-10	1.767E-07	3.645E-01
3.100E+04	5.111E-01	6.129E-27	2.029E-19	6.247E-11	2.684E-28	6.482E-03	7.430E-11	1.308E-07	3.635E-01
3.200E+04	5.165E-01	1.781E-27	7.771E-20	3.2					

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2M2	H	H2	H2+	H+
3.500E+04	5.327E-01	5.100E-29	4.702E-21	4.650E-12	1.103E-30	3.003E-03	9.963E-12	4.453E-00	3.474E-01
3.600E+04	5.371E-01	1.639E-29	1.894E-21	2.423E-12	2.810E-31	2.712E-03	6.342E-12	3.505E-00	3.444E-01
3.700E+04	5.409E-01	5.412E-30	7.752E-22	1.269E-12	7.255E-32	2.405E-03	4.118E-12	2.790E-00	3.419E-01
3.800E+04	5.441E-01	1.639E-30	3.234E-22	6.698E-13	1.910E-32	2.148E-03	2.724E-12	2.249E-00	3.398E-01
3.900E+04	5.467E-01	4.442E-31	1.378E-22	3.573E-13	0.	1.931E-03	1.234E-12	1.824E-00	3.381E-01
4.000E+04	5.488E-01	2.326E-31	6.000E-23	1.931E-13	0.	1.746E-03	1.254E-12	1.499E-00	3.364E-01
4.100E+04	5.507E-01	8.657E-32	2.672E-23	1.057E-13	0.	1.567E-03	8.711E-13	1.234E-00	3.354E-01
4.200E+04	5.524E-01	3.317E-32	1.216E-23	5.867E-14	0.	1.449E-03	6.139E-13	1.030E-00	3.343E-01
4.300E+04	5.540E-01	1.306E-32	5.649E-24	3.299E-14	0.	1.329E-03	4.377E-13	8.632E-01	3.331E-01
4.400E+04	5.557E-01	5.276E-33	2.675E-24	1.877E-14	0.	1.223E-03	3.161E-13	7.281E-01	3.320E-01
4.500E+04	5.575E-01	2.180E-33	1.288E-24	1.079E-14	0.	1.129E-03	2.309E-13	6.179E-01	3.307E-01
4.600E+04	5.595E-01	9.192E-34	6.290E-25	6.252E-15	0.	1.046E-03	1.709E-13	5.262E-01	3.295E-01
4.700E+04	5.618E-01	3.943E-34	3.113E-25	3.646E-15	0.	9.715E-04	1.271E-13	4.504E-01	3.277E-01
4.800E+04	5.643E-01	1.716E-34	1.554E-25	2.136E-15	0.	9.045E-04	9.563E-14	3.871E-01	3.259E-01
4.900E+04	5.670E-01	7.559E-35	7.821E-26	1.254E-15	0.	8.440E-04	7.259E-14	3.340E-01	3.239E-01
5.000E+04	5.699E-01	0.	3.958E-26	7.369E-16	0.	7.892E-04	5.559E-14	2.892E-01	3.218E-01

P/PO = 7.00E+00

T	E-	NH3	NH2	NH	N2M2	H	H2	H2+	H+
5.000E+02	0.	3.241E-01	1.488E-20	1.092E-34	8.885E-29	1.887E-21	5.069E-01	1.121E-10	1.656E-21
6.000E+02	0.	7.538E-02	1.806E-17	6.328E-29	6.974E-25	1.463E-17	6.935E-01	5.019E-19	6.168E-21
7.000E+02	0.	1.819E-02	2.198E-15	1.124E-24	2.938E-22	8.233E-15	7.364E-01	8.373E-19	1.883E-20
8.000E+02	0.	5.691E-03	7.529E-14	1.361E-21	2.518E-20	9.442E-13	7.457E-01	7.974E-19	4.406E-20
9.000E+02	0.	2.235E-03	1.157E-12	3.381E-19	7.870E-19	3.829E-11	7.483E-01	7.498E-19	8.683E-20
1.000E+03	0.	1.045E-03	1.016E-11	2.782E-17	1.230E-17	7.433E-10	7.492E-01	6.906E-19	1.431E-19
1.100E+03	0.	5.571E-04	6.010E-11	1.026E-15	1.166E-16	6.465E-09	7.496E-01	6.238E-19	2.088E-19
1.200E+03	0.	3.291E-04	2.630E-10	2.068E-14	7.612E-16	6.459E-08	7.498E-01	5.552E-19	2.770E-19
1.300E+03	0.	2.136E-04	9.154E-10	2.637E-13	3.735E-15	3.620E-07	7.498E-01	4.896E-19	3.430E-19
1.400E+03	0.	1.437E-04	2.663E-09	2.326E-12	1.465E-14	1.591E-06	7.499E-01	4.301E-19	4.033E-19
1.500E+03	0.	1.033E-04	6.717E-09	1.544E-11	4.803E-14	5.757E-06	7.499E-01	3.779E-19	4.565E-19
1.600E+03	2.653E-29	7.753E-05	1.508E-08	8.065E-11	1.362E-13	1.778E-05	7.499E-01	3.332E-19	5.023E-19
1.700E+03	2.559E-26	6.025E-05	3.080E-08	3.469E-10	3.424E-13	4.817E-05	7.499E-01	2.953E-19	5.413E-19
1.800E+03	1.170E-23	4.823E-05	5.807E-08	1.269E-09	7.794E-13	1.170E-04	7.499E-01	2.633E-19	5.743E-19
1.900E+03	2.830E-21	3.457E-05	1.024E-07	4.050E-09	1.630E-12	2.594E-04	7.497E-01	2.371E-19	6.047E-19
2.000E+03	2.996E-19	3.316E-05	1.707E-07	1.151E-08	3.174E-12	5.314E-04	7.495E-01	2.887E-19	8.462E-19
2.100E+03	5.145E-18	2.828E-05	2.708E-07	2.961E-08	5.809E-12	1.018E-03	7.491E-01	1.370E-18	4.555E-18
2.200E+03	4.260E-17	2.449E-05	4.119E-07	6.990E-08	1.708E-11	1.839E-03	7.484E-01	9.088E-18	3.391E-17
2.300E+03	2.795E-16	2.147E-05	6.035E-07	1.531E-07	1.667E-11	3.156E-03	7.472E-01	5.400E-17	2.239E-16
2.400E+03	1.563E-15	1.903E-05	8.557E-07	3.138E-07	2.645E-11	5.181E-03	7.455E-01	2.788E-16	1.279E-15
2.500E+03	7.625E-15	1.700E-05	1.178E-06	6.070E-07	4.043E-11	8.174E-03	7.428E-01	1.269E-15	6.314E-15
2.600E+03	3.300E-14	1.529E-05	1.579E-06	1.115E-06	5.973E-11	1.245E-02	7.391E-01	5.111E-15	2.773E-14
2.700E+03	1.283E-13	1.362E-05	2.065E-06	1.954E-06	8.555E-11	1.836E-02	7.339E-01	1.863E-14	1.093E-13
2.800E+03	4.536E-13	1.253E-05	2.640E-06	3.284E-06	1.190E-10	2.631E-02	7.270E-01	6.190E-14	3.908E-13
2.900E+03	1.471E-12	1.137E-05	3.304E-06	5.311E-06	1.612E-10	3.673E-02	7.179E-01	1.892E-13	1.281E-12
3.000E+03	4.412E-12	1.031E-05	4.050E-06	8.294E-06	2.128E-10	5.004E-02	7.062E-01	5.357E-13	3.881E-12
3.100E+03	1.233E-11	9.323E-06	4.868E-06	1.254E-05	2.740E-10	6.866E-02	6.917E-01	1.415E-12	1.095E-11
3.200E+03	3.231E-11	8.399E-06	5.740E-06	1.839E-05	3.444E-10	8.698E-02	6.739E-01	3.506E-12	2.893E-11
3.300E+03	7.981E-11	7.521E-06	6.640E-06	2.622E-05	4.227E-10	1.113E-01	6.526E-01	8.188E-12	7.703E-11
3.400E+03	1.868E-10	6.684E-06	7.537E-06	3.639E-05	5.070E-10	1.397E-01	6.277E-01	1.810E-11	1.698E-10
3.500E+03	4.158E-10	5.885E-06	8.396E-06	4.926E-05	5.941E-10	1.723E-01	5.991E-01	3.802E-11	3.808E-10
3.600E+03	8.837E-10	5.125E-06	9.177E-06	6.510E-05	6.805E-10	2.090E-01	5.671E-01	7.609E-11	8.150E-10
3.700E+03	1.830E-09	4.409E-06	9.843E-06	8.408E-05	7.620E-10	2.494E-01	5.317E-01	1.455E-10	1.671E-09
3.800E+03	3.922E-09	3.742E-06	1.036E-05	1.063E-04	8.343E-10	2.928E-01	4.937E-01	2.664E-10	3.290E-09
3.900E+03	6.642E-09	3.130E-06	1.070E-05	1.315E-04	9.936E-10	3.387E-01	4.535E-01	4.691E-10	6.240E-09
4.000E+03	1.210E-08	2.579E-06	1.085E-05	1.597E-04	9.369E-10	3.859E-01	4.121E-01	7.939E-10	1.143E-08
4.100E+03	2.134E-08	2.093E-06	1.081E-05	1.902E-04	9.625E-10	4.336E-01	3.703E-01	1.294E-09	2.026E-08
4.200E+03	3.652E-08	1.673E-06	1.059E-05	2.228E-04	9.700E-10	4.806E-01	3.291E-01	2.043E-09	3.483E-08
4.300E+03	6.079E-08	1.318E-06	1.020E-05	2.567E-04	9.604E-10	5.260E-01	2.893E-01	3.117E-09	5.019E-08
4.400E+03	9.444E-08	1.024E-06	9.688E-06	2.915E-04	9.357E-10	5.687E-01	2.518E-01	4.614E-09	9.465E-08
4.500E+03	1.557E-07	7.872E-07	5.079E-06	3.267E-04	8.990E-10	6.082E-01	2.171E-01	6.040E-09	1.502E-07
4.600E+03	2.436E-07	5.989E-07	8.410E-06	3.618E-04	8.533E-10	6.439E-01	1.857E-01	9.310E-09	2.328E-07
4.700E+03	3.842E-07	4.522E-07	7.714E-06	3.965E-04	8.017E-10	6.755E-01	1.578E-01	1.279E-08	3.531E-07
4.800E+03	5.435E-07	3.394E-07	7.020E-06	4.306E-04	7.471E-10	7.031E-01	1.334E-01	1.708E-08	5.251E-07
4.900E+03	7.880E-07	2.539E-07	6.347E-06	4.639E-04	6.916E-10	7.268E-01	1.124E-01	2.249E-08	7.666E-07
5.000E+03	1.130E-06	1.896E-07	5.712E-06	4.963E-04	6.341E-10	7.469E-01	9.439E-02	2.899E-08	1.100E-06
5.100E+03	2.221E-06	1.059E-07	4.581E-06	5.281E-04	5.781E-10	7.776E-01	8.664E-02	4.623E-08	2.162E-06
5.200E+03	4.140E-06	5.971E-08	3.650E-06	5.615E-04	4.450E-10	7.983E-01	4.695E-02	7.011E-08	4.023E-06
5.300E+03	7.374E-06	3.420E-08	2.903E-06	6.064E-04	3.682E-10	8.115E-01	3.346E-02	1.021E-07	7.136E-06
5.400E+03	1.262E-05	1.995E-08	2.311E-06	7.158E-04	3.034E-10	8.192E-01	2.411E-02	1.436E-07	1.214E-05
5.500E+03	2.086E-05	1.185E-08	1.842E-06	7.365E-04	2.488E-10	8.229E-01	1.760E-02	1.962E-07	1.987E-05
5.600E+03	3.341E-05	7.156E-09	1.469E-06	7.895E-04	2.026E-10	8.235E-01	1.302E-02	2.74E-07	3.146E-05
5.700E+03	5.235E-05	4.385E-09	1.171E-06	8.131E-04	1.635E-10	8.216E-01	9.749E-03	3.403E-07	4.830E-05
5.800E+03	7.909E-05	2.720E-09	9.321E-07	8.262E-04	1.304E-10	8.177E-01	7.390E-03	4.341E-07	7.210E-05
5.900E+03	1.175E-04	1.704E-09	7.396E-07	8.278E-04	1.025E-10	8.123E-01	5.667E-03	5.437E-07	1.049E-04
6.000E+03	1.709E-04	1.076E-09	5.845E-07	8.173E-04	7.931E-11	8.057E-01	4.399E-03	6.700E-07	1.492E-04
6.100E+03	2.440E-04	6.836E-10	4.596E-07	7.950E-04	6.024E-11	7.984E-01	3.446E-03	8.140E-07	2.078E-04
6.200E+03	3.421E-04	4.364E-10	3.595E-07	7.620E-04	4.491E-11	7.908E-01	2.732E-03	9.772E-07	2.841E-04
6.300E+03	4.718E-04	2.809E-10	2.809E-07	7.201E-04	3.288E-11	7.833E-01	2.190E-03	3.822E-07	3.822E-04
6.400E+03	6.407E-04	1.818E-10	2.171E-07	6.719E-04	2.367E-11	7.764E-01	1.778E-03	1.370E-06	5.068E-04
6.500E+03	8.574E-04	1.185E-10	1.660E-07	6.200E-04	1.681E-11	7.702E-01	1.465E-03	1.605E-06	6.635E-04
6.600E+03	1.132E-03	7.794E-11	1.300E-07	5.671E-04	1.182E-11	7.649E-01	1.206E-03	1.870E-06	8.588E-04
6.700E+03	1.575E-03	5.178E-11	1.007E-07	5.153E-04	8.260E-12	7.604E-01	1.010E-03	2.169E-06	1.100E-03
6.800E+03	1.848E-03	3.474E-11	7.820E-08	4.662E-04	5.760E-12	7.566E-01	8.533E-04	2.505E-06	1.395E-03
6.900E+03	2.417E-03	2.363E-11	6.099E-08	4.206E-04	4.022E-12	7.534E-01	7.273E-04	2.880E-06	1.754E-03

TABLE II. - Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.324E-08	1.930E-04	3.334E-14	2.255E-11	4.814E-02	3.404E-09	6.840E-02	1.032E-04	4.819E-11	3.500E+04
1.881E-08	1.365E-04	1.329E-14	1.077E-11	3.868E-02	2.176E-09	7.671E-02	1.938E-04	1.924E-10	3.600E+04
1.547E-08	9.318E-05	5.257E-15	5.071E-12	3.070E-02	1.385E-09	8.363E-02	3.453E-04	7.012E-10	3.700E+04
1.290E-08	6.440E-05	2.080E-15	2.374E-12	2.417E-02	8.815E-10	8.916E-02	5.880E-04	2.357E-09	3.800E+04
1.090E-08	4.454E-05	8.302E-16	1.115E-12	1.895E-02	5.624E-10	9.337E-02	9.631E-04	7.370E-09	3.900E+04
9.334E-09	3.091E-05	3.351E-16	5.242E-13	1.484E-02	3.607E-10	9.439E-02	1.529E-03	2.160E-08	4.000E+04
8.042E-09	2.155E-05	1.372E-16	2.507E-13	1.163E-02	2.325E-10	9.833E-02	2.341E-03	1.968E-08	4.100E+04
7.072E-09	1.510E-05	5.699E-17	1.207E-13	9.122E-03	1.515E-10	9.927E-02	3.495E-03	1.561E-07	4.200E+04
6.247E-09	1.063E-05	2.406E-17	5.870E-14	7.164E-03	9.924E-11	9.923E-02	5.082E-03	3.877E-07	4.300E+04
5.567E-09	7.520E-06	1.025E-17	2.480E-14	5.434E-03	6.547E-11	9.823E-02	7.204E-03	9.149E-07	4.400E+04
4.999E-09	5.326E-06	4.441E-18	1.422E-14	4.430E-03	4.343E-11	9.623E-02	9.957E-03	2.068E-06	4.500E+04
4.520E-09	3.792E-06	1.963E-18	7.046E-15	3.478E-03	2.892E-11	9.322E-02	1.342E-02	4.453E-06	4.600E+04
4.113E-09	2.695E-06	8.506E-19	3.491E-15	2.723E-03	1.931E-11	8.920E-02	1.743E-02	9.164E-06	4.700E+04
3.762E-09	1.912E-06	3.728E-19	1.724E-15	2.122E-03	1.290E-11	8.423E-02	2.254E-02	1.805E-05	4.800E+04
3.459E-09	1.352E-06	1.629E-19	8.462E-16	1.645E-03	8.656E-12	7.843E-02	2.814E-02	3.404E-05	4.900E+04
3.193E-09	9.516E-07	7.086E-20	4.118E-16	1.266E-03	5.728E-12	7.199E-02	3.421E-02	6.155E-05	5.000E+04

P/PO = 7.00E+00

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.690E-01	5.355E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.312E-01	7.767E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.254E-33	2.455E-01	1.095E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.417E-29	2.486E-01	1.421E-20	0.	0.	0.	0.	0.	8.000E+02
0.	9.674E-26	2.494E-01	1.692E-20	0.	0.	0.	0.	0.	9.000E+02
0.	5.619E-23	2.497E-01	1.877E-20	0.	0.	0.	0.	0.	1.070E+03
0.	1.031E-20	2.499E-01	1.966E-20	0.	0.	0.	0.	0.	1.100E+03
0.	7.960E-17	2.499E-01	1.973E-20	0.	0.	0.	0.	0.	1.200E+03
0.	3.160E-19	2.495E-01	1.921E-20	3.096E-32	0.	0.	0.	0.	1.300E+03
0.	7.430E-16	2.500E-01	1.832E-20	3.544E-31	0.	0.	0.	0.	1.400E+03
0.	1.149E-14	2.500E-01	1.725E-20	2.880E-30	0.	0.	0.	0.	1.500E+03
0.	1.264E-13	2.500E-01	1.613E-20	1.778E-29	0.	0.	0.	0.	1.600E+03
0.	1.051E-12	2.500E-01	1.503E-20	8.766E-29	0.	0.	0.	0.	1.700E+03
6.517E-27	6.907E-12	2.500E-01	1.399E-20	3.593E-28	0.	0.	0.	0.	1.800E+03
2.380E-24	3.729E-11	2.500E-01	1.308E-20	1.266E-27	6.041E-33	0.	0.	0.	1.900E+03
3.630E-22	1.702E-10	2.499E-01	1.646E-20	5.263E-27	2.688E-30	0.	0.	0.	2.000E+03
8.520E-21	6.728E-10	2.499E-01	8.041E-20	7.580E-26	1.688E-28	0.	0.	0.	2.100E+03
9.395E-20	2.349E-09	2.498E-01	5.478E-19	1.380E-24	4.522E-27	0.	0.	0.	2.200E+03
8.002E-19	7.358E-09	2.496E-01	3.322E-18	2.002E-23	6.629E-26	0.	0.	0.	2.300E+03
5.643E-18	2.077E-08	2.493E-01	1.754E-17	2.479E-22	1.278E-24	0.	0.	0.	2.400E+03
3.955E-17	5.496E-08	2.490E-01	8.116E-17	2.450E-21	1.523E-23	0.	0.	0.	2.500E+03
1.775E-16	1.338E-07	2.484E-01	3.352E-16	2.034E-20	1.496E-22	0.	0.	0.	2.600E+03
8.191E-16	3.044E-07	2.477E-01	1.246E-15	1.446E-19	1.239E-21	0.	0.	0.	2.700E+03
3.378E-15	6.547E-07	2.467E-01	4.219E-15	8.953E-19	8.802E-21	0.	0.	0.	2.800E+03
1.259E-14	1.334E-06	2.454E-01	1.317E-14	4.897E-18	5.448E-20	0.	0.	0.	2.900E+03
4.278E-14	2.589E-06	2.437E-01	3.810E-14	2.396E-17	2.978E-19	0.	0.	0.	3.000E+03
1.337E-13	4.812E-06	2.417E-01	1.035E-13	1.060E-16	1.454E-18	0.	0.	0.	3.100E+03
3.865E-13	8.595E-06	2.391E-01	2.635E-13	4.279E-16	6.404E-18	0.	0.	0.	3.200E+03
1.043E-12	1.483E-05	2.361E-01	6.342E-13	1.591E-15	2.568E-17	0.	0.	0.	3.300E+03
2.633E-12	2.466E-05	2.325E-01	1.451E-12	5.484E-15	9.447E-17	0.	0.	0.	3.400E+03
6.254E-12	3.985E-05	2.284E-01	3.167E-12	1.765E-14	3.210E-16	0.	0.	0.	3.500E+03
1.402E-11	6.261E-05	2.238E-01	6.625E-12	5.335E-14	1.014E-15	0.	0.	0.	3.600E+03
2.981E-11	4.583E-05	2.187E-01	1.333E-11	1.522E-13	2.992E-15	0.	0.	0.	3.700E+03
6.026E-11	1.432E-04	2.132E-01	2.588E-11	4.122E-13	8.294E-15	0.	0.	0.	3.800E+03
1.162E-10	2.093E-04	2.075E-01	4.864E-11	1.063E-12	2.169E-14	0.	0.	0.	3.900E+03
2.141E-10	2.998E-04	2.015E-01	8.874E-11	2.624E-12	5.376E-14	0.	0.	0.	4.000E+03
3.784E-10	4.214E-04	1.954E-01	1.576E-10	6.220E-12	1.267E-13	0.	0.	0.	4.100E+03
6.426E-10	5.825E-04	1.894E-01	2.733E-10	1.420E-11	2.850E-13	0.	0.	0.	4.200E+03
1.051E-09	7.625E-04	1.836E-01	4.634E-10	3.133E-11	6.144E-13	0.	0.	0.	4.300E+03
1.661E-09	1.063E-03	1.781E-01	7.705E-10	6.695E-11	1.273E-12	0.	0.	0.	4.400E+03
2.542E-09	1.408E-03	1.729E-01	1.258E-09	1.389E-10	2.540E-12	0.	0.	0.	4.500E+03
3.718E-09	1.843E-03	1.682E-01	2.021E-09	2.865E-10	4.894E-12	0.	0.	0.	4.600E+03
5.459E-09	2.385E-03	1.634E-01	3.197E-09	5.321E-10	9.203E-12	0.	0.	0.	4.700E+03
7.700E-09	3.057E-03	1.600E-01	4.984E-09	1.060E-09	1.673E-11	0.	0.	0.	4.800E+03
1.062E-08	3.840E-03	1.565E-01	7.663E-09	1.990E-09	2.963E-11	0.	0.	0.	4.900E+03
1.436E-08	4.882E-03	1.533E-01	1.163E-08	3.653E-09	5.117E-11	0.	0.	0.	5.000E+03
2.493E-08	7.538E-03	1.478E-01	2.574E-08	1.156E-08	1.246E-10	0.	0.	0.	5.200E+03
4.081E-08	1.128E-02	1.424E-01	5.413E-08	3.384E-08	3.663E-10	0.	0.	0.	5.400E+03
6.372E-08	1.638E-02	1.380E-01	1.082E-07	9.205E-08	8.745E-10	0.	0.	0.	5.600E+03
9.561E-08	2.315E-02	1.328E-01	2.060E-07	2.338E-07	1.955E-09	0.	0.	0.	5.800E+03
1.387E-07	3.182E-02	1.269E-01	7.731E-07	5.567E-07	4.116E-09	6.290E-25	0.	0.	6.000E+03
1.956E-07	4.267E-02	1.200E-01	6.437E-07	1.248E-06	8.197E-09	6.046E-24	0.	0.	6.200E+03
2.888E-07	5.566E-02	1.121E-01	1.058E-06	2.641E-06	1.550E-08	5.013E-23	0.	0.	6.400E+03
3.612E-07	7.046E-02	1.031E-01	1.656E-06	5.293E-06	2.792E-08	3.625E-22	0.	0.	6.600E+03
4.798E-07	8.797E-02	9.302E-02	2.470E-06	1.007E-05	4.862E-08	2.308E-21	0.	0.	6.800E+03
6.159E-07	1.165E-01	8.222E-02	3.536E-06	1.824E-05	7.901E-08	1.306E-20	0.	0.	7.000E+03
7.845E-07	1.258E-01	7.194E-02	4.748E-06	3.151E-05	1.246E-07	6.611E-20	0.	0.	7.200E+03
9.449E-07	1.451E-01	5.991E-02	6.129E-06	5.203E-05	1.887E-07	3.721E-19	0.	0.	7.400E+03
1.221E-06	1.635E-01	4.933E-02	7.561E-06	8.239E-05	2.78E-07	1.255E-18	0.	0.	7.600E+03
1.495E-06	1.802E-01	3.969E-02	8.940E-06	1.255E-04	3.861E-07	4.774E-18	0.	0.	7.800E+03
1.812E-06	1.947E-01	3.130E-02	1.018E-05	1.844E-04	5.247E-07	1.676E-17	0.	0.	8.000E+03
2.175E-06	2.068E-01	2.427E-02	1.121E-05	2.627E-04	6.920E-07	5.469E-17	0.	0.	8.200E+03
2.586E-06	2.166E-01	1.800E-02	1.201E-05	3.639E-04	8.890E-07	1.679E-16	0.	0.	8.400E+03
3.050E-06	2.241E-01	1.413E-02	1.258E-05	4.921E-04	1.117E-06	4.805E-16	0.	0.	8.600E+03
3.568E-06	2.299E-01	1.070E-02	1.294E-05	6.520E-04	1.375E-06	1.310E-15	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	3.045E-03	1.624E-11	4.781E-08	3.791E-04	2.818E-12	7.507E-01	6.246E-04	3.296E-06	2.183E-03
9.200E+03	3.798E-03	1.130E-11	3.769E-08	3.417E-04	1.986E-12	7.483E-01	5.401E-04	3.755E-06	2.700E-03
9.400E+03	4.694E-03	7.951E-12	2.989E-08	3.083E-04	1.409E-12	7.460E-01	4.698E-04	4.259E-06	3.310E-03
9.600E+03	5.752E-03	5.657E-12	2.384E-08	2.745E-04	1.007E-12	7.438E-01	4.109E-04	4.800E-06	4.026E-03
9.800E+03	6.992E-03	4.067E-12	1.913E-08	2.520E-04	7.259E-13	7.414E-01	3.612E-04	5.403E-06	4.861E-03
1.000E+04	8.434E-03	2.953E-12	1.543E-08	2.285E-04	5.271E-13	7.390E-01	3.188E-04	6.045E-06	5.829E-03
1.100E+04	1.945E-02	6.744E-13	5.648E-09	1.432E-04	1.181E-13	7.225E-01	1.795E-04	9.920E-06	1.315E-02
1.200E+04	3.891E-02	1.776E-13	2.256E-09	9.190E-05	2.996E-14	6.948E-01	1.063E-04	1.468E-05	2.995E-02
1.300E+04	6.925E-02	4.978E-14	9.216E-10	5.861E-05	7.983E-15	6.521E-01	6.391E-05	1.970E-05	4.589E-02
1.400E+04	1.115E-01	1.393E-14	3.681E-10	3.607E-05	2.081E-15	5.923E-01	3.781E-05	2.397E-05	7.390E-02
1.500E+04	1.645E-01	3.584E-15	1.377E-10	2.087E-05	4.997E-16	5.167E-01	2.144E-05	2.437E-05	1.099E-01
1.600E+04	2.241E-01	8.276E-16	4.669E-11	1.114E-05	1.056E-16	4.302E-01	1.142E-05	2.616E-05	1.516E-01
1.700E+04	2.843E-01	1.660E-16	1.413E-11	5.435E-06	1.921E-17	3.411E-01	5.641E-06	2.340E-05	1.956E-01
1.800E+04	3.390E-01	2.900E-17	3.830E-12	2.441E-06	3.035E-18	2.582E-01	2.583E-06	1.899E-05	2.375E-01
1.900E+04	3.841E-01	4.543E-18	9.538E-13	1.029E-06	4.323E-19	1.882E-01	1.110E-06	1.418E-05	2.737E-01
2.000E+04	4.185E-01	6.701E-19	2.268E-13	4.194E-07	5.859E-20	1.338E-01	4.580E-07	9.959E-06	3.023E-01
2.100E+04	4.431E-01	9.807E-20	5.362E-14	1.699E-07	7.982E-21	9.425E-02	1.862E-07	6.728E-06	3.234E-01
2.200E+04	4.601E-01	1.488E-20	1.303E-14	6.992E-08	1.140E-21	6.659E-02	7.633E-08	4.465E-06	3.383E-01
2.300E+04	4.717E-01	2.408E-21	3.323E-15	2.967E-08	1.754E-22	4.762E-02	3.207E-08	2.956E-06	3.486E-01
2.400E+04	4.797E-01	4.227E-22	9.001E-16	1.307E-08	2.943E-23	3.468E-02	1.399E-08	1.973E-06	3.579E-01
2.500E+04	4.854E-01	8.088E-23	2.599E-16	5.988E-09	5.400E-24	2.578E-02	6.311E-09	1.334E-06	3.601E-01
2.600E+04	4.897E-01	1.685E-23	7.989E-17	2.849E-09	1.079E-24	1.958E-02	2.973E-09	9.162E-07	3.631E-01
2.700E+04	4.933E-01	3.804E-24	2.602E-17	1.402E-09	2.328E-25	1.518E-02	1.458E-09	6.401E-07	3.648E-01
2.800E+04	4.968E-01	9.232E-25	8.923E-18	7.098E-10	5.358E-26	1.202E-02	7.427E-10	4.546E-07	3.654E-01
2.900E+04	5.004E-01	2.386E-25	3.195E-18	3.674E-10	1.298E-26	9.688E-03	3.922E-10	3.279E-07	3.658E-01
3.000E+04	5.044E-01	6.501E-26	1.184E-18	1.930E-10	3.262E-27	7.944E-03	2.141E-10	2.400E-07	3.637E-01
3.100E+04	5.051E-01	1.850E-26	4.509E-19	1.022E-10	8.385E-28	6.614E-03	1.206E-10	1.780E-07	3.616E-01
3.200E+04	5.142E-01	5.448E-27	1.750E-19	5.429E-11	2.178E-28	5.582E-03	6.988E-11	1.336E-07	3.587E-01
3.300E+04	5.197E-01	1.651E-27	6.890E-20	2.879E-11	5.674E-29	4.769E-03	4.157E-11	1.016E-07	3.554E-01
3.400E+04	5.252E-01	5.128E-28	2.744E-20	1.523E-11	1.476E-29	4.120E-03	2.533E-11	7.811E-08	3.520E-01
3.500E+04	5.304E-01	1.630E-28	1.105E-20	8.036E-12	3.842E-30	3.593E-03	1.579E-11	6.077E-08	3.486E-01
3.600E+04	5.350E-01	5.308E-29	4.508E-21	4.241E-12	1.004E-30	3.162E-03	1.006E-11	4.783E-08	3.456E-01
3.700E+04	5.391E-01	1.773E-29	1.866E-21	2.245E-12	2.651E-31	2.804E-03	6.532E-12	3.806E-08	3.429E-01
3.800E+04	5.425E-01	6.382E-30	7.860E-22	1.197E-12	7.113E-32	2.505E-03	4.322E-12	3.061E-08	3.407E-01
3.900E+04	5.453E-01	2.147E-30	3.375E-22	6.435E-13	0.	2.252E-03	2.909E-12	2.78E-08	3.380E-01
4.000E+04	5.476E-01	7.806E-31	1.480E-22	3.500E-13	0.	2.036E-03	1.990E-12	1.88E-08	3.352E-01
4.100E+04	5.496E-01	2.922E-31	6.629E-23	1.927E-13	0.	1.851E-03	1.382E-12	1.689E-08	3.327E-01
4.200E+04	5.514E-01	1.126E-31	3.033E-23	1.075E-13	0.	1.690E-03	9.736E-13	1.403E-08	3.307E-01
4.300E+04	5.531E-01	4.456E-32	1.416E-23	6.077E-14	0.	1.550E-03	6.947E-13	1.176E-08	3.286E-01
4.400E+04	5.547E-01	1.809E-32	6.740E-24	3.475E-14	0.	1.426E-03	5.018E-13	9.924E-09	3.265E-01
4.500E+04	5.565E-01	7.517E-33	3.263E-24	2.008E-14	0.	1.317E-03	3.666E-13	8.418E-09	3.245E-01
4.600E+04	5.584E-01	3.189E-33	1.604E-24	1.171E-14	4.781E-36	1.220E-03	2.707E-13	7.177E-09	3.200E-01
4.700E+04	5.605E-01	1.377E-33	7.987E-25	6.873E-15	0.	1.134E-03	2.019E-13	6.146E-09	3.289E-01
4.800E+04	5.628E-01	6.041E-34	4.009E-25	4.056E-15	0.	1.056E-03	1.519E-13	5.285E-09	3.268E-01
4.900E+04	5.654E-01	2.884E-34	2.040E-25	2.401E-15	0.	9.851E-04	1.154E-13	4.565E-09	3.249E-01
5.000E+04	5.682E-01	1.206E-34	1.042E-25	1.424E-15	0.	9.213E-04	8.831E-14	3.953E-09	3.229E-01

P/PO = 8.00E+00

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	3.464E-01	1.513E-20	1.056E-34	9.496E-29	1.736E-21	4.902E-01	1.140E-18	1.602E-21
6.000E+02	0.	8.447E-02	1.903E-17	8.246E-29	7.815E-25	1.362E-17	6.866E-01	9.098E-19	5.890E-21
7.000E+02	0.	2.068E-02	2.341E-15	1.121E-24	3.341E-22	7.691E-15	7.345E-01	8.405E-19	1.770E-20
8.000E+02	0.	6.494E-03	8.038E-14	1.360E-21	2.873E-20	8.866E-13	7.451E-01	8.007E-19	4.216E-20
9.000E+02	0.	2.553E-03	1.235E-12	3.380E-19	8.989E-19	3.582E-11	7.481E-01	7.549E-19	8.178E-20
1.000E+03	0.	1.193E-03	1.086E-11	2.781E-17	1.405E-17	6.953E-10	7.491E-01	6.983E-19	1.354E-19
1.100E+03	0.	6.366E-04	6.425E-11	1.024E-15	1.332E-16	7.918E-09	7.495E-01	6.339E-19	1.983E-19
1.200E+03	0.	3.760E-04	2.811E-10	2.048E-14	8.698E-16	4.042E-08	7.497E-01	5.711E-19	2.847E-19
1.300E+03	0.	2.407E-04	9.785E-10	2.437E-13	4.268E-15	3.386E-07	7.498E-01	5.027E-19	3.294E-19
1.400E+03	0.	1.643E-04	2.847E-09	2.326E-12	1.474E-14	1.488E-06	7.499E-01	4.436E-19	3.892E-19
1.500E+03	0.	1.181E-04	7.180E-09	1.544E-11	5.488E-14	5.385E-06	7.499E-01	3.915E-19	4.423E-19
1.600E+03	2.233E-29	8.880E-05	1.613E-08	4.045E-11	1.556E-13	1.663E-05	7.499E-01	3.464E-19	4.885E-19
1.700E+03	2.147E-26	6.886E-05	3.292E-08	3.469E-10	3.914E-13	4.504E-05	7.499E-01	3.079E-19	5.280E-19
1.800E+03	9.793E-24	5.512E-05	6.208E-08	1.269E-09	6.907E-13	1.095E-04	7.499E-01	2.753E-19	5.617E-19
1.900E+03	2.364E-21	4.523E-05	1.095E-07	4.050E-09	1.863E-12	2.426E-04	7.499E-01	2.403E-19	5.919E-19
2.000E+03	2.589E-19	3.790E-05	1.825E-07	1.151E-08	3.628E-12	4.970E-04	7.499E-01	2.224E-19	6.016E-19
2.100E+03	4.659E-18	3.233E-05	2.895E-07	2.961E-08	6.640E-12	9.520E-04	7.491E-01	1.323E-18	4.118E-18
2.200E+03	3.880E-17	2.799E-05	4.404E-07	6.991E-08	1.152E-11	1.720E-03	7.489E-01	6.733E-18	3.848E-17
2.300E+03	2.546E-16	2.455E-05	6.454E-07	1.331E-07	1.904E-11	2.953E-03	7.474E-01	5.180E-17	2.912E-16
2.400E+03	1.623E-15	2.176E-05	9.152E-07	3.139E-07	3.025E-11	4.848E-03	7.457E-01	2.680E-16	1.144E-15
2.500E+03	8.940E-15	1.945E-05	1.260E-06	6.073E-07	4.425E-11	7.649E-03	7.433E-01	1.216E-15	5.880E-15
2.600E+03	3.003E-14	1.750E-05	1.690E-06	1.135E-06	6.836E-11	1.185E-02	7.398E-01	4.919E-15	2.894E-14
2.700E+03	1.167E-13	1.583E-05	2.211E-06	1.954E-06	9.797E-11	1.719E-02	7.349E-01	1.795E-14	9.840E-14
2.800E+03	4.125E-13	1.436E-05	2.829E-06	3.280E-06	1.364E-10	2.464E-02	7.284E-01	5.980E-14	3.321E-13
2.900E+03	1.338E-12	1.305E-05	3.544E-06	5.322E-06	1.850E-10	3.440E-02	7.199E-01	1.825E-13	1.195E-12
3.000E+03	4.012E-12	1.186E-05	4.350E-06	8.314E-06	2.445E-10	4.690E-02	7.089E-01	5.174E-13	1.500E-12
3.100E+03	1.121E-11	1.075E-05	5.237E-06	1.258E-05	3.154E-10	6.252E-02	6.953E-01	1.368E-12	9.197E-12
3.200E+03	2.939E-11	9.712E-06	6.187E-06	1.848E-05	3.974E-10	8.164E-02	6.785E-01	3.396E-12	2.612E-11
3.300E+03	7.262E-11	8.728E-06	7.175E-06	2.638E-05	4.892E-10	1.045E-01	6.585E-01	7.945E-12	6.508E-11

TABLE II. - Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
4.142E-06	2.341E-01	8.097E-03	1.318E-05	8.486E-04	1.666E-04	3.399E-15	0.	0.	9.000E+03
4.774E-06	2.371E-01	6.138E-03	1.327E-05	1.088E-03	1.989E-04	6.436E-15	0.	0.	9.200E+03
5.44E-06	2.391E-01	4.670E-03	1.327E-05	1.375E-03	2.346E-04	2.010E-14	0.	0.	9.400E+03
6.213E-06	2.405E-01	3.570E-03	1.319E-05	1.718E-03	2.737E-04	4.813E-14	0.	0.	9.600E+03
7.019E-06	2.412E-01	2.744E-03	1.306E-05	2.123E-03	3.162E-04	1.022E-13	0.	0.	9.800E+03
7.882E-06	2.415E-01	2.122E-03	1.289E-05	2.598E-03	3.620E-04	2.193E-13	0.	0.	1.000E+04
1.294E-05	2.376E-01	6.399E-04	1.167E-05	6.304E-03	6.370E-04	6.564E-12	0.	0.	1.100E+04
1.875E-05	2.269E-01	2.174E-04	1.012E-05	1.297E-02	9.587E-04	1.118E-10	0.	0.	1.200E+04
2.424E-05	2.091E-01	7.940E-05	8.341E-06	2.337E-02	1.258E-05	1.235E-09	2.192E-24	0.	1.900E+04
2.805E-05	1.844E-01	2.975E-05	6.440E-06	3.758E-02	1.449E-05	9.684E-09	2.648E-22	0.	1.400E+04
2.907E-05	1.542E-01	1.100E-05	4.584E-06	5.462E-02	1.466E-05	5.757E-08	1.750E-20	0.	1.500E+04
2.695E-05	1.215E-01	3.898E-06	2.980E-06	7.244E-02	1.466E-05	2.728E-07	7.116E-19	0.	1.600E+04
2.241E-05	9.028E-02	1.309E-06	1.768E-06	8.864E-02	1.029E-05	1.073E-06	1.952E-17	0.	1.700E+04
1.689E-05	6.379E-02	4.186E-07	9.719E-07	1.015E-01	7.310E-04	3.620E-06	3.874E-16	0.	1.800E+04
1.172E-05	4.354E-02	1.304E-07	5.071E-07	1.104E-01	4.804E-04	1.079E-05	5.875E-15	0.	1.900E+04
7.677E-06	2.925E-02	4.074E-08	2.587E-07	1.161E-01	3.005E-04	2.905E-05	7.090E-14	0.	2.000E+04
4.858E-06	1.966E-02	1.311E-08	1.323E-07	1.195E-01	1.839E-04	7.190E-05	7.013E-13	0.	2.100E+04
3.033E-06	1.338E-02	4.424E-09	6.890E-08	1.214E-01	1.123E-04	1.655E-04	5.814E-12	0.	2.200E+04
1.897E-06	9.280E-03	1.578E-09	3.689E-08	1.224E-01	6.928E-07	3.572E-04	4.111E-11	0.	2.300E+04
1.200E-06	6.575E-03	5.944E-10	2.035E-08	1.228E-01	4.349E-07	7.277E-04	2.516E-10	0.	2.400E+04
7.204E-07	4.757E-03	2.379E-10	1.155E-08	1.225E-01	2.785E-07	1.405E-03	1.350E-09	0.	2.500E+04
5.076E-07	3.507E-03	9.955E-11	6.713E-09	1.215E-01	1.819E-07	2.580E-03	6.417E-09	0.	2.600E+04
3.410E-07	2.626E-03	4.332E-11	3.967E-09	1.195E-01	1.209E-07	4.510E-03	2.724E-08	0.	2.700E+04
2.344E-07	1.987E-03	1.939E-11	2.364E-09	1.163E-01	8.148E-08	7.511E-03	1.039E-07	0.	2.800E+04
1.649E-07	1.511E-03	8.830E-12	1.406E-09	1.115E-01	5.540E-08	1.190E-02	3.573E-07	0.	2.900E+04
1.187E-07	1.148E-03	4.037E-12	8.250E-10	1.048E-01	3.779E-08	1.792E-02	1.112E-06	0.	3.000E+04
8.738E-08	8.659E-04	1.832E-12	4.730E-10	9.627E-02	2.573E-08	2.560E-02	3.141E-06	0.	3.100E+04
6.574E-08	6.458E-04	8.169E-13	2.629E-10	8.611E-02	1.739E-08	3.468E-02	4.079E-06	0.	3.200E+04
5.047E-08	4.747E-04	3.559E-13	1.410E-10	7.495E-02	1.163E-08	4.463E-02	1.903E-05	0.	3.300E+04
3.950E-08	3.436E-04	1.512E-13	7.294E-11	6.356E-02	7.690E-09	5.476E-02	4.137E-05	7.498E-12	3.400E+04
3.147E-08	2.452E-04	6.262E-14	3.658E-11	5.267E-02	5.025E-09	6.441E-02	8.367E-05	3.363E-11	3.500E+04
2.549E-08	1.731E-04	2.566E-14	1.789E-11	4.283E-02	3.254E-09	7.308E-02	1.589E-04	1.358E-10	3.600E+04
2.097E-08	1.212E-04	1.038E-14	8.611E-12	3.435E-02	2.095E-09	8.048E-02	2.858E-04	4.992E-10	3.700E+04
1.750E-08	8.456E-05	4.182E-15	4.109E-12	2.729E-02	1.346E-09	8.653E-02	4.906E-04	1.690E-09	3.800E+04
1.480E-08	5.896E-05	1.690E-15	1.958E-12	2.156E-02	8.662E-10	9.126E-02	8.089E-04	5.319E-09	3.900E+04
1.267E-08	4.114E-05	6.920E-16	9.362E-13	1.699E-02	5.594E-10	9.477E-02	1.288E-03	1.567E-08	4.000E+04
1.098E-08	2.807E-05	2.872E-16	4.511E-13	1.338E-02	3.634E-10	9.719E-02	1.987E-03	4.350E-08	4.100E+04
9.606E-09	2.034E-05	1.208E-16	2.194E-13	1.055E-02	2.376E-10	9.859E-02	2.981E-03	1.143E-07	4.200E+04
8.487E-09	1.439E-05	5.143E-17	1.077E-13	8.329E-03	1.565E-10	9.903E-02	4.355E-03	2.852E-07	4.300E+04
7.567E-09	1.023E-05	2.223E-17	5.339E-14	6.581E-03	1.037E-10	9.852E-02	6.204E-03	6.780E-07	4.400E+04
6.710E-09	7.297E-06	9.724E-18	2.665E-14	5.202E-03	6.916E-11	9.704E-02	8.623E-03	1.538E-06	4.500E+04
6.140E-09	5.216E-06	4.289E-18	1.336E-14	4.109E-03	4.632E-11	9.459E-02	1.169E-02	3.334E-06	4.600E+04
5.880E-09	3.732E-06	1.903E-18	6.708E-15	3.239E-03	3.112E-11	9.115E-02	1.547E-02	6.913E-06	4.700E+04
5.110E-09	2.667E-06	8.462E-19	3.363E-15	2.544E-03	2.094E-11	8.676E-02	1.997E-02	1.373E-05	4.800E+04
4.697E-09	1.901E-06	3.761E-19	1.679E-15	1.988E-03	1.408E-11	8.150E-02	2.513E-02	2.613E-05	4.900E+04
4.335E-09	1.351E-06	1.666E-19	8.318E-16	1.545E-03	9.455E-12	7.551E-02	3.085E-02	4.772E-05	5.000E+04

P/PD = 8.00E+00

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.634E-01	5.445E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.289E-01	7.836E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.172E-33	2.444E-01	1.099E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.195E-29	2.484E-01	1.428E-20	0.	0.	0.	0.	0.	8.000E+02
0.	9.348E-26	2.494E-01	1.704E-20	0.	0.	0.	0.	0.	9.000E+02
0.	5.258E-23	2.497E-01	1.897E-20	0.	0.	0.	0.	0.	1.000E+03
0.	9.643E-21	2.498E-01	1.998E-20	0.	0.	0.	0.	0.	1.100E+03
0.	7.446E-19	2.499E-01	2.016E-20	0.	0.	0.	0.	0.	1.200E+03
0.	2.355E-17	2.499E-01	1.972E-20	2.974E-32	0.	0.	0.	0.	1.300E+03
0.	6.950E-16	2.500E-01	1.890E-20	3.419E-31	0.	0.	0.	0.	1.400E+03
0.	1.075E-14	2.500E-01	1.787E-20	2.791E-30	0.	0.	0.	0.	1.500E+03
0.	1.183E-13	2.500E-01	1.677E-20	1.729E-29	0.	0.	0.	0.	1.600E+03
0.	9.427E-13	2.500E-01	1.567E-20	8.591E-29	0.	0.	0.	0.	1.700E+03
5.841E-27	6.461E-12	2.500E-01	1.463E-20	3.514E-28	0.	0.	0.	0.	1.800E+03
2.128E-24	3.488E-11	2.500E-01	1.370E-20	1.241E-27	0.	0.	0.	0.	1.900E+03
3.325E-22	1.592E-10	2.499E-01	1.667E-20	4.986E-27	2.483E-30	0.	0.	0.	2.000E+03
8.247E-21	6.296E-10	2.499E-01	7.771E-20	6.891E-26	1.634E-28	0.	0.	0.	2.100E+03
9.145E-20	2.197E-09	2.498E-01	5.263E-19	1.241E-24	4.403E-27	0.	0.	0.	2.200E+03
7.793E-19	6.883E-09	2.496E-01	3.191E-18	1.853E-23	4.403E-26	0.	0.	0.	2.300E+03
5.494E-18	1.961E-08	2.494E-01	1.685E-17	2.229E-22	1.244E-24	0.	0.	0.	2.400E+03
3.303E-17	5.141E-08	2.490E-01	7.805E-17	2.203E-21	1.482E-23	0.	0.	0.	2.500E+03
1.728E-16	1.232E-07	2.485E-01	3.225E-16	1.830E-20	1.494E-22	0.	0.	0.	2.600E+03
7.971E-16	2.852E-07	2.478E-01	1.180E-15	1.302E-19	1.205E-21	0.	0.	0.	2.700E+03
3.287E-15	6.174E-07	2.469E-01	4.062E-15	8.061E-19	8.562E-21	0.	0.	0.	2.800E+03
1.225E-14	1.248E-06	2.457E-01	1.268E-14	4.101E-18	5.300E-20	0.	0.	0.	2.900E+03
4.187E-14	2.424E-06	2.441E-01	3.672E-14	2.158E-17	2.897E-19	0.	0.	0.	3.000E+03
1.303E-13	4.506E-06	2.422E-01	9.982E-14	9.547E-17	1.415E-18	0.	0.	0.	3.100E+03
3.775E-13	8.051E-06	2.398E-01	2.567E-13	3.856E-16	4.234E-18	0.	0.	0.	3.200E+03
1.019E-12	1.387E-05	2.369E-01	6.121E-13	1.433E-15	2.902E-17	0.	0.	0.	3.300E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H+	H+
3.400E+03	1.700E-10	7.789E-06	8.169E-06	3.668E-05	5.887E-10	1.314E-01	6.350E-01	1.760E-11	1.536E-10
3.500E+03	3.787E-10	6.891E-06	9.131E-06	4.975E-05	6.927E-10	1.624E-01	6.079E-01	3.705E-11	3.447E-10
3.600E+03	8.053E-10	6.037E-06	1.002E-05	6.590E-05	7.970E-10	1.973E-01	5.773E-01	7.437E-11	7.385E-10
3.700E+03	1.642E-09	5.228E-06	1.080E-05	8.534E-05	8.971E-10	2.358E-01	5.436E-01	1.427E-10	1.515E-09
3.800E+03	3.216E-09	4.470E-06	1.143E-05	1.082E-04	9.880E-10	2.776E-01	5.070E-01	2.624E-10	2.988E-09
3.900E+03	6.072E-09	3.771E-06	1.187E-05	1.343E-04	1.065E-09	3.219E-01	4.682E-01	4.635E-10	5.676E-09
4.000E+03	1.108E-08	3.136E-06	1.212E-05	1.636E-04	1.124E-09	3.679E-01	4.279E-01	7.880E-10	1.841E-08
4.100E+03	1.956E-08	2.570E-06	1.215E-05	1.956E-04	1.163E-09	4.146E-01	3.849E-01	1.292E-09	1.849E-08
4.200E+03	3.353E-08	2.076E-06	1.198E-05	2.299E-04	1.181E-09	4.611E-01	3.462E-01	2.048E-09	3.185E-08
4.300E+03	5.586E-08	1.653E-06	1.163E-05	2.640E-04	1.178E-09	5.064E-01	3.043E-01	3.142E-09	5.331E-08
4.400E+03	9.047E-08	1.299E-06	1.113E-05	3.032E-04	1.157E-09	5.495E-01	2.684E-01	4.677E-09	6.688E-08
4.500E+03	1.436E-07	1.009E-06	1.050E-05	3.410E-04	1.119E-09	5.897E-01	2.333E-01	6.767E-09	1.381E-07
4.600E+03	2.223E-07	7.755E-07	9.792E-06	3.789E-04	1.069E-09	6.265E-01	2.010E-01	9.539E-09	2.143E-07
4.700E+03	3.370E-07	5.911E-07	9.039E-06	4.165E-04	1.011E-09	6.595E-01	1.719E-01	1.313E-08	3.260E-07
4.800E+03	5.009E-07	4.478E-07	8.274E-06	4.535E-04	9.470E-10	6.885E-01	1.462E-01	1.768E-08	4.855E-07
4.900E+03	7.312E-07	3.377E-07	7.521E-06	4.898E-04	8.810E-10	7.138E-01	1.238E-01	2.333E-08	7.099E-07
5.000E+03	1.050E-06	2.540E-07	6.800E-06	5.251E-04	8.150E-10	7.354E-01	1.044E-01	3.025E-08	1.020E-06
5.100E+03	2.067E-06	1.436E-07	5.496E-06	5.926E-04	6.891E-10	7.689E-01	7.424E-02	4.854E-08	2.010E-06
5.200E+03	3.859E-06	8.172E-08	4.406E-06	6.556E-04	5.767E-10	7.919E-01	5.280E-02	7.402E-08	3.747E-06
5.300E+03	6.879E-06	4.716E-08	3.522E-06	7.136E-04	4.796E-10	8.069E-01	3.781E-02	1.082E-07	6.654E-06
5.400E+03	1.178E-05	2.767E-08	2.815E-06	7.658E-04	3.969E-10	8.161E-01	2.735E-02	1.527E-07	1.133E-05
5.500E+03	1.948E-05	1.652E-08	2.251E-06	8.113E-04	3.269E-10	8.209E-01	2.002E-02	2.091E-07	1.858E-05
6.000E+03	3.121E-05	1.002E-08	1.802E-06	8.487E-04	2.675E-10	8.224E-01	1.484E-02	2.791E-07	2.943E-05
6.400E+03	4.863E-05	6.171E-09	1.442E-06	8.766E-04	1.171E-10	8.213E-01	3.641E-02	3.641E-07	4.522E-05
6.600E+03	7.389E-05	3.846E-09	1.153E-06	8.936E-04	1.743E-10	8.181E-01	8.454E-03	4.652E-07	6.756E-05
6.800E+03	1.097E-04	2.422E-09	9.187E-07	8.986E-04	1.381E-10	8.132E-01	6.492E-03	5.834E-07	9.839E-05
7.000E+03	1.597E-04	1.537E-09	7.295E-07	8.909E-04	1.077E-10	8.071E-01	5.041E-03	7.198E-07	1.400E-04
7.200E+03	2.279E-04	9.823E-10	5.765E-07	8.707E-04	8.259E-11	8.001E-01	3.954E-03	8.753E-07	1.951E-04
7.400E+03	3.195E-04	6.313E-10	4.534E-07	8.387E-04	6.219E-11	7.920E-01	3.138E-03	1.051E-06	2.668E-04
7.600E+03	4.407E-04	4.081E-10	3.549E-07	7.968E-04	4.600E-11	7.854E-01	2.516E-03	1.250E-06	3.590E-04
7.800E+03	5.985E-04	2.654E-10	2.767E-07	7.472E-04	3.346E-11	7.784E-01	2.040E-03	1.474E-06	4.759E-04
8.000E+03	8.010E-04	1.738E-10	2.151E-07	6.929E-04	2.399E-11	7.720E-01	1.672E-03	1.724E-06	6.279E-04
8.200E+03	1.057E-03	1.148E-10	1.671E-07	6.366E-04	1.702E-11	7.665E-01	1.384E-03	2.010E-06	8.059E-04
8.400E+03	1.378E-03	7.449E-11	1.299E-07	5.807E-04	1.199E-11	7.618E-01	1.158E-03	2.330E-06	1.022E-03
8.600E+03	1.775E-03	5.152E-11	1.012E-07	5.270E-04	8.814E-12	7.578E-01	9.784E-04	2.689E-06	1.308E-03
8.800E+03	2.260E-03	3.508E-11	7.912E-08	4.768E-04	5.906E-12	7.545E-01	8.335E-04	3.089E-06	1.644E-03
9.000E+03	2.847E-03	2.416E-11	6.215E-08	4.307E-04	4.156E-12	7.517E-01	7.156E-04	3.534E-06	2.047E-03
9.200E+03	3.552E-03	1.603E-11	4.907E-08	3.889E-04	2.939E-12	7.491E-01	6.186E-04	4.025E-06	2.529E-03
9.400E+03	4.391E-03	1.186E-11	3.897E-08	3.513E-04	2.092E-12	7.468E-01	5.381E-04	4.563E-06	3.099E-03
9.600E+03	5.381E-03	8.449E-12	3.112E-08	3.178E-04	1.499E-12	7.444E-01	4.707E-04	5.151E-06	3.770E-03
9.800E+03	6.542E-03	6.081E-12	2.500E-08	2.879E-04	1.082E-12	7.423E-01	4.137E-04	5.789E-06	4.551E-03
1.000E+04	7.922E-03	4.421E-12	2.019E-08	2.612E-04	7.873E-13	7.399E-01	3.653E-04	6.476E-06	5.457E-03
1.100E+04	9.622E-02	1.017E-12	7.457E-09	1.645E-04	1.780E-13	7.243E-01	2.041E-04	1.064E-05	1.231E-02
1.200E+04	1.3449E-02	2.707E-13	2.993E-09	1.042E-04	4.570E-14	6.983E-01	1.227E-04	1.581E-05	2.433E-02
1.300E+04	6.510E-02	7.721E-14	1.240E-09	6.836E-05	1.241E-14	6.580E-01	7.437E-05	2.134E-05	4.311E-02
1.400E+04	1.052E-01	2.202E-14	5.052E-10	4.248E-05	3.929E-15	6.013E-01	4.454E-05	2.620E-05	6.947E-02
1.500E+04	1.559E-01	5.923E-15	1.944E-10	2.519E-05	8.313E-16	5.291E-01	2.570E-05	2.918E-05	1.039E-01
1.600E+04	2.136E-01	1.435E-15	6.839E-11	1.378E-05	1.847E-16	4.456E-01	1.400E-05	2.943E-05	1.441E-01
1.700E+04	2.730E-01	3.046E-16	2.161E-11	6.928E-06	3.567E-17	3.581E-01	7.104E-06	2.686E-05	1.871E-01
1.800E+04	3.280E-01	5.655E-17	6.133E-12	3.210E-06	5.999E-18	2.751E-01	3.351E-06	2.280E-05	2.529E-01
1.900E+04	3.744E-01	9.398E-18	1.597E-12	1.394E-06	9.046E-19	2.035E-01	1.483E-06	1.702E-05	2.657E-01
2.000E+04	4.105E-01	1.460E-18	3.946E-13	5.827E-07	1.293E-19	1.466E-01	6.284E-07	1.219E-05	2.955E-01
2.100E+04	4.368E-01	2.227E-19	9.619E-14	2.407E-07	1.832E-20	1.044E-01	2.611E-07	8.373E-06	3.180E-01
2.200E+04	4.553E-01	3.486E-20	2.391E-14	1.006E-07	2.695E-21	7.437E-02	1.080E-07	5.428E-06	3.341E-01
2.300E+04	4.681E-01	5.773E-21	6.201E-15	4.312E-08	4.234E-22	5.352E-02	6.629E-08	3.762E-06	3.454E-01
2.400E+04	4.770E-01	1.030E-21	1.700E-15	1.914E-08	7.213E-23	3.914E-02	2.031E-08	2.527E-06	3.531E-01
2.500E+04	4.833E-01	1.994E-22	4.952E-16	8.818E-09	1.339E-23	2.918E-02	9.244E-09	1.717E-06	3.583E-01
2.600E+04	4.880E-01	4.193E-23	1.533E-16	4.215E-09	2.700E-24	2.221E-02	4.374E-09	1.184E-06	3.618E-01
2.700E+04	4.919E-01	9.539E-24	5.024E-17	2.084E-09	5.877E-25	1.726E-02	2.152E-09	8.292E-07	3.638E-01
2.800E+04	4.953E-01	2.331E-24	1.733E-17	1.060E-09	1.366E-25	1.367E-02	1.099E-09	5.901E-07	3.648E-01
2.900E+04	4.989E-01	6.071E-25	6.246E-18	5.519E-10	3.348E-26	1.103E-02	5.812E-10	4.265E-07	3.648E-01
3.000E+04	5.028E-01	1.668E-25	2.334E-18	2.921E-10	8.537E-27	9.052E-03	3.178E-10	3.126E-07	3.788E-01
3.100E+04	5.073E-01	4.794E-26	8.969E-19	1.561E-10	2.233E-27	7.541E-03	1.792E-10	2.322E-07	3.820E-01
3.200E+04	5.123E-01	1.428E-26	3.519E-19	8.375E-11	5.924E-28	6.368E-03	1.039E-10	1.746E-07	3.944E-01
3.300E+04	5.176E-01	4.382E-27	1.402E-19	4.494E-11	1.579E-28	5.443E-03	6.186E-11	1.328E-07	3.963E-01
3.400E+04	5.231E-01	1.379E-27	5.655E-20	2.405E-11	4.210E-29	4.703E-03	3.773E-11	1.022E-07	3.930E-01
3.500E+04	5.283E-01	4.438E-28	2.305E-20	1.285E-11	1.122E-29	4.103E-03	2.353E-11	7.954E-08	3.997E-01
3.600E+04	5.331E-01	1.462E-28	9.510E-21	6.855E-12	2.998E-30	3.611E-03	1.499E-11	6.260E-08	3.444E-01
3.700E+04	5.373E-01	4.931E-29	3.977E-21	3.666E-12	8.075E-31	3.203E-03	9.738E-12	4.981E-08	3.498E-01
3.800E+04	5.410E-01	1.707E-29	1.690E-21	1.970E-12	2.205E-31	2.861E-03	6.444E-12	4.006E-08	3.414E-01
3.900E+04	5.440E-01	6.072E-30	7.311E-22	1.068E-12	6.135E-32	2.572E-03	4.339E-12	3.253E-08	3.394E-01
4.000E+04	5.465E-01	2.221E-30	3.225E-22	5.842E-13	0.	2.326E-03	2.980E-12	2.666E-08	3.378E-01
4.100E+04	5.486E-01	8.361E-31	1.453E-22	3.235E-13	0.	2.114E-03	2.042E-12	2.203E-08	3.364E-01
4.200E+04	5.505E-01	3.236E-31	6.677E-23	1.813E-13	0.	1.931E-03	1.452E-12	1.804E-08	3.352E-01
4.300E+04	5.522E-01	1.247E-31	3.132E-23	1.029E-13	0.	1.771E-03	1.036E-12	1.538E-08	3.341E-01
4.400E+04	5.539E-01	5.247E-32	1.497E-23	5.911E-14	0.	1.630E-03	7.487E-13	1.298E-08	3.329E-01
4.500E+04	5.556E-01	2.191E-32	7.282E-24	3.431E-14	0.	1.505E-03	5.471E-13	1.101E-08	3.318E-01
4.600E+04	5.574E-01	9.340E-33	3.597E-24	2.010E-14	0.	1.395E-03	4.040E-13	9.389E-09	3.305E-01
4.700E+04	5.594E-01	4.057E-33	1.801E-24	1.187E-14	0.	1.296E-03	3.013E-13	8.044E-09	3.291E-01
4.800E+04	5.617E-01	1.791E-33	9.121E-25	7.046E-15	0.	1.206E-03	2.249E-13	6.928E-09	3.279E-01
4.900E+04	5.641E-01	8.013E-34	4.681E-25	4.200E-15	0.	1.126E-03	1.723E-13	5.976E-09	3.258E-01
5.000E+04	5.668E-01	3.627E-34	2.399E-25	2.518E-15	0.	1.053E-03	1.319E-13	5.188E-09	3.239E-01

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE II.- Continued

M-	N	N2	N2*	N*	N-	N**	N**	N**	N**	T
2.577E-12	2.312E-05	2.335E-C1	1.401E-12	4.942E-15	9.214E-17	0.	0.	0.	0.	3.400E+03
6.131E-12	3.738E-05	2.296E-01	3.059E-12	1.590E-14	3.134E-18	0.	0.	0.	0.	3.500E+03
1.379E-11	5.876E-05	2.253E-C1	6.402E-12	4.808E-14	9.911E-18	0.	0.	0.	0.	3.600E+03
2.939E-11	8.998E-05	2.204E-01	1.288E-11	1.371E-13	2.929E-19	0.	0.	0.	0.	3.700E+03
5.961E-11	1.345E-04	2.152E-01	7.502E-11	3.711E-13	8.133E-19	0.	0.	0.	0.	3.800E+03
1.154E-10	1.968E-04	2.096E-01	4.702E-11	9.564E-13	2.131E-19	0.	0.	0.	0.	3.900E+03
2.133E-10	2.820E-04	2.038E-C1	8.578E-11	2.360E-12	5.290E-19	0.	0.	0.	0.	4.000E+03
3.790E-10	3.966E-04	1.978E-01	1.523E-10	5.588E-12	1.249E-13	0.	0.	0.	0.	4.100E+03
6.468E-10	5.484E-04	1.919E-01	2.638E-10	1.274E-11	2.816E-13	0.	0.	0.	0.	4.200E+03
1.064E-09	7.463E-04	1.861E-01	4.469E-10	2.807E-11	5.082E-13	0.	0.	0.	0.	4.300E+03
1.690E-09	1.001E-03	1.805E-01	7.420E-10	5.990E-11	1.263E-12	0.	0.	0.	0.	4.400E+03
2.599E-09	1.326E-03	1.753E-01	1.210E-09	1.241E-10	2.527E-12	0.	0.	0.	0.	4.500E+03
3.880E-09	1.735E-03	1.704E-01	1.939E-09	2.501E-10	4.877E-12	0.	0.	0.	0.	4.600E+03
5.638E-09	2.245E-03	1.660E-01	3.061E-09	4.914E-10	9.159E-12	0.	0.	0.	0.	4.700E+03
7.986E-09	2.876E-03	1.619E-C1	4.762E-09	9.421E-10	1.668E-11	0.	0.	0.	0.	4.800E+03
1.108E-08	3.650E-03	1.582E-01	7.338E-09	1.765E-09	2.955E-11	0.	0.	0.	0.	4.900E+03
1.501E-08	4.591E-03	1.549E-01	1.107E-08	3.236E-09	5.109E-11	0.	0.	0.	0.	5.000E+03
2.022E-08	5.843E-03	1.442E-C1	2.442E-08	1.022E-08	1.824E-10	0.	0.	0.	0.	5.100E+03
4.312E-08	1.059E-02	1.441E-01	5.125E-08	2.985E-08	3.665E-10	0.	0.	0.	0.	5.200E+03
6.759E-08	1.539E-02	1.392E-01	1.024E-07	8.110E-08	6.759E-10	0.	0.	0.	0.	5.300E+03
1.016E-07	2.175E-02	1.340E-01	1.949E-07	2.059E-07	1.960E-09	0.	0.	0.	0.	5.400E+03
1.477E-07	2.993E-02	1.283E-C1	3.535E-07	4.906E-07	4.132E-09	5.194E-25	0.	0.	0.	6.000E+03
2.085E-07	4.015E-02	1.217E-01	6.113E-07	1.101E-06	8.241E-09	4.996E-24	0.	0.	0.	6.200E+03
2.889E-07	5.252E-02	1.141E-01	1.008E-06	2.334E-06	1.562E-08	4.130E-23	0.	0.	0.	6.400E+03
3.858E-07	6.702E-02	1.054E-01	1.586E-06	4.684E-06	2.820E-08	3.008E-22	0.	0.	0.	6.600E+03
5.087E-07	8.346E-02	9.588E-02	2.380E-06	8.951E-06	4.664E-08	1.921E-21	0.	0.	0.	6.800E+03
6.587E-07	1.014E-01	8.520E-02	3.405E-06	1.627E-05	8.032E-08	1.291E-20	0.	0.	0.	7.000E+03
8.342E-07	1.203E-01	7.423E-02	4.648E-06	2.822E-05	1.272E-07	5.346E-20	0.	0.	0.	7.200E+03
1.034E-06	1.394E-01	6.320E-02	6.057E-06	4.683E-05	1.935E-07	2.547E-19	0.	0.	0.	7.400E+03
1.306E-06	1.578E-01	5.256E-02	7.547E-06	7.452E-05	2.493E-07	1.063E-18	0.	0.	0.	7.600E+03
1.600E-06	1.749E-01	4.274E-02	9.016E-06	1.144E-04	4.001E-07	4.068E-18	0.	0.	0.	7.800E+03
1.939E-06	1.949E-01	3.449E-02	1.036E-05	1.685E-04	5.465E-07	1.434E-17	0.	0.	0.	8.000E+03
2.327E-06	2.027E-01	2.685E-02	1.152E-05	2.411E-04	7.243E-07	4.700E-17	0.	0.	0.	8.200E+03
2.768E-06	2.131E-01	2.058E-02	1.244E-05	3.353E-04	9.345E-07	1.441E-16	0.	0.	0.	8.400E+03
3.268E-06	2.214E-01	1.576E-02	1.313E-05	4.550E-04	1.178E-06	4.158E-16	0.	0.	0.	8.600E+03
3.818E-06	2.277E-01	1.200E-02	1.360E-05	6.044E-04	1.455E-06	1.136E-15	0.	0.	0.	8.800E+03
4.432E-06	2.324E-01	9.120E-03	1.389E-05	7.883E-04	1.767E-06	2.955E-15	0.	0.	0.	9.000E+03
5.109E-06	2.358E-01	6.939E-03	1.404E-05	1.012E-03	2.115E-06	7.345E-15	0.	0.	0.	9.200E+03
5.844E-06	2.382E-01	5.295E-03	1.407E-05	1.281E-03	2.489E-06	1.752E-14	0.	0.	0.	9.400E+03
6.620E-06	2.398E-01	4.057E-03	1.402E-05	1.602E-03	2.918E-06	4.024E-14	0.	0.	0.	9.600E+03
7.514E-06	2.408E-01	3.125E-03	1.391E-05	1.982E-03	3.375E-06	8.929E-14	0.	0.	0.	9.800E+03
8.440E-06	2.412E-01	2.420E-03	1.374E-05	2.407E-03	3.864E-06	1.916E-13	0.	0.	0.	1.000E+04
1.349E-05	2.342E-01	7.346E-04	1.251E-05	5.403E-03	6.833E-06	5.742E-12	0.	0.	0.	1.100E+04
2.020E-05	2.282E-01	2.514E-04	1.091E-05	1.217E-02	1.034E-05	9.789E-11	0.	0.	0.	1.200E+04
2.627E-05	2.115E-01	4.241E-05	9.077E-06	2.200E-02	1.367E-05	1.082E-09	1.788E-24	0.	0.	1.300E+04
3.070E-05	1.840E-01	3.534E-05	7.097E-06	3.555E-02	1.593E-05	8.497E-09	2.156E-22	0.	0.	1.400E+04
3.224E-05	1.590E-01	1.336E-05	5.142E-06	5.199E-02	1.637E-05	5.060E-08	1.420E-20	0.	0.	1.500E+04
3.041E-05	1.271E-01	4.470E-06	3.416E-06	6.951E-02	1.486E-05	2.403E-07	5.751E-19	0.	0.	1.600E+04
2.582E-05	4.592E-02	1.888E-C6	2.079E-06	8.542E-02	1.199E-05	9.446E-07	1.569E-17	0.	0.	1.700E+04
1.989E-05	6.489E-02	5.540E-07	1.172E-06	9.910E-02	8.730E-06	3.198E-06	3.095E-16	0.	0.	1.800E+04
1.412E-05	4.773E-02	1.741E-07	6.255E-07	1.047E-01	5.865E-06	9.533E-06	4.660E-15	0.	0.	1.900E+04
9.430E-06	3.245E-02	5.731E-08	3.244E-07	1.149E-01	3.738E-06	2.565E-05	5.584E-14	0.	0.	2.000E+04
6.064E-06	2.201E-02	1.878E-08	1.681E-C7	1.187E-01	2.120E-06	6.340E-05	5.489E-13	0.	0.	2.100E+04
3.832E-06	1.508E-02	6.416E-09	8.936E-08	1.209E-01	1.431E-06	1.457E-04	4.526E-12	0.	0.	2.200E+04
2.418E-06	1.050E-02	2.310E-09	4.760E-08	1.221E-01	8.891E-07	3.142E-04	3.188E-11	0.	0.	2.300E+04
1.539E-06	7.464E-03	8.746E-10	2.638E-08	1.224E-01	5.611E-07	6.337E-04	1.947E-10	0.	0.	2.400E+04
9.451E-07	5.415E-03	3.523E-10	1.503E-08	1.225E-01	3.606E-07	1.2.5E-03	1.043E-09	0.	0.	2.500E+04
6.558E-07	4.032E-03	1.482E-10	8.772E-09	1.217E-01	2.364E-07	2.7.0E-03	4.958E-09	0.	0.	2.600E+04
4.415E-07	1.305E-03	6.446E-11	5.212E-09	1.201E-01	1.577E-07	3.474E-03	2.107E-08	0.	0.	2.700E+04
3.039E-07	2.282E-03	2.925E-11	3.124E-09	1.172E-01	1.067E-07	6.643E-03	8.061E-08	0.	0.	2.800E+04
2.140E-07	1.744E-03	1.345E-11	1.479E-09	1.129E-01	7.287E-08	1.056E-02	2.787E-07	0.	0.	2.900E+04
1.541E-07	1.334E-03	6.230E-12	1.117E-09	1.069E-01	5.003E-08	1.604E-02	8.739E-07	0.	0.	3.000E+04
1.135E-07	1.015E-03	2.474E-12	6.516E-10	9.904E-02	3.433E-08	2.317E-02	2.491E-06	0.	0.	3.100E+04
7.537E-08	7.642E-04	1.307E-12	3.695E-10	8.950E-02	2.343E-08	3.184E-02	6.478E-06	0.	0.	3.200E+04
4.554E-08	5.680E-04	5.424E-13	2.026E-10	7.880E-02	1.585E-08	4.122E-02	1.544E-05	0.	0.	3.300E+04
3.133E-08	4.180E-04	2.534E-13	1.074E-10	6.761E-02	1.060E-08	5.118E-02	3.397E-05	5.408E-11	0.	3.400E+04
4.041E-08	3.004E-04	1.077E-13	5.510E-11	5.667E-02	7.308E-09	6.088E-02	6.947E-05	2.453E-12	0.	3.500E+04
3.315E-08	2.143E-04	4.448E-14	2.755E-11	4.654E-02	4.590E-09	6.979E-02	1.333E-04	9.998E-11	0.	3.600E+04
2.728E-08	1.516E-04	1.856E-14	1.341E-11	3.771E-02	2.948E-09	7.754E-02	2.418E-04	3.707E-10	0.	3.700E+04
2.278E-08	1.067E-04	7.594E-15	6.557E-12	3.020E-02	1.934E-09	8.404E-02	4.181E-04	1.264E-09	0.	3.800E+04
1.927E-08	7.492E-05	3.128E-15	3.169E-12	2.404E-02	1.255E-09	8.921E-02	6.934E-04	4.000E-09	0.	3.900E+04
1.651E-08	5.266E-05	1.292E-15	1.534E-12	1.905E-02	8.158E-10	9.317E-02	1.110E-03	1.184E-09	0.	4.000E+04
1.430E-08	3.712E-05	5.413E-16	7.467E-13	1.506E-02	5.374E-10	6.600E-02	1.720E-03	3.302E-08	0.	4.100E+04
1.252E-08	2.624E-05	2.294E-16	3.665E-13	1.194E-02	3.531E-10	9.781E-02	2.592E-03	8.710E-08	0.	4.200E+04
1.108E-08	1.867E-05	9.498E-17	1.816E-13	9.466E-03	2.314E-10	8.685E-02	3.802E-03	2.182E-07	0.	4.300E+04
9.860E-09	1.333E-05	4.314E-17	9.074E-14	7.513E-03	1.542E-10	9.856E-02	5.439E-03	5.209E-07	0.	4.400E+04
8.754E-09	9.548E-06	1.901E-17	5.966E-14	5.966E-03	1.033E-10	9.753E-02	7.595E-03	1.187E-06	0.	4.500E+04
8.005E-09	6.858E-06	4.473E-18	2.113E-14	4.735E-03	6.949E-11	9.554E-02	1.035E-02	2.587E-06	0.	4.600E+04
7.242E-09	4.432E-06	3.799E-18	1.174E-14	3.753E-03	4.693E-11	9.260E-02	1.378E-02	5.397E-06	0.	4.700E+04
6.661E-09	3.146E-06	1.705E-18	5.940E-15	2.964E-03	3.175E-11	8.870E-02	1.708E-02	1.079E-05	0.	4.800E+04
6.122E-09	2.294E-06	7.733E-19	3.015E-15	2.334E-03	2.150E-11	8.392E-02	2.264E-02	2.069E-05	0.	4.900E+04
5.650E-09	1.621E-06	3.442E-19	1.517E-15	1.828E-03	1.454E-11	7.835E-02	2.808E-02	3.810E-05	0.	5.000E+04

TABLE II.- Continued

P/P0 = 9.00E+00

T	E-	MM3	MM2	MM	MM+2	M	M2	M2+	M+
5.000E+02	0.	3.663E-01	1.532E-20	1.024E-34	1.004E-20	1.612E-21	4.753E-01	1.150E-10	1.957E-21
6.000E+02	0.	9.322E-02	1.909E-17	8.107E-29	8.624E-25	1.270E-17	6.001E-01	9.175E-19	5.900E-21
7.000E+02	0.	2.315E-02	2.475E-19	1.110E-24	9.739E-23	7.242E-15	7.324E-01	9.439E-19	1.677E-20
8.000E+02	0.	7.294E-03	8.314E-14	1.359E-21	3.227E-20	6.354E-13	7.443E-01	9.704E-19	9.790E-20
9.000E+02	0.	2.670E-03	1.309E-12	3.370E-19	1.011E-10	3.374E-11	7.478E-01	7.793E-19	7.754E-20
1.000E+03	0.	1.342E-03	1.151E-11	2.701E-15	1.500E-17	6.555E-10	7.490E-01	7.948E-19	1.200E-19
1.100E+03	0.	7.140E-04	6.814E-11	1.024E-15	1.490E-16	7.463E-09	7.493E-01	8.423E-19	1.000E-19
1.200E+03	0.	4.230E-04	2.982E-10	2.047E-14	9.785E-16	5.694E-09	7.497E-01	9.774E-19	2.541E-19
1.300E+03	0.	2.700E-04	1.830E-09	1.637E-13	4.601E-15	5.192E-07	7.498E-01	8.148E-19	3.174E-19
1.400E+03	0.	1.644E-04	3.620E-09	2.326E-12	1.803E-14	1.493E-06	7.499E-01	6.754E-19	3.760E-19
1.500E+03	0.	1.329E-04	7.614E-09	1.564E-11	1.174E-14	5.077E-06	7.499E-01	6.025E-19	4.240E-19
1.600E+03	1.919E-29	9.968E-05	1.710E-08	6.069E-11	1.751E-13	1.568E-05	7.499E-01	5.502E-19	4.762E-19
1.700E+03	1.841E-24	7.747E-05	3.492E-08	3.444E-10	4.403E-13	4.267E-05	7.499E-01	5.193E-19	5.161E-19
1.800E+03	8.377E-24	6.201E-05	4.585E-08	1.264E-09	1.002E-12	1.032E-04	7.499E-01	5.041E-19	5.503E-19
1.900E+03	2.019E-21	5.000E-05	1.161E-07	4.050E-09	2.094E-12	2.267E-04	7.499E-01	5.505E-19	6.005E-19
2.000E+03	2.271E-19	4.244E-05	1.735E-07	1.151E-08	4.061E-12	4.064E-04	7.499E-01	7.499E-19	7.499E-19
2.100E+03	4.246E-18	3.637E-05	3.071E-07	2.962E-08	7.478E-12	8.976E-04	7.499E-01	1.264E-18	3.767E-18
2.200E+03	3.573E-17	3.150E-05	4.671E-07	6.991E-08	1.622E-11	1.622E-03	7.499E-01	6.423E-18	2.774E-17
2.300E+03	2.344E-16	2.763E-05	6.847E-07	1.531E-07	2.145E-11	2.704E-03	7.499E-01	9.007E-17	1.650E-16
2.400E+03	1.310E-15	2.444E-05	9.711E-07	3.140E-07	3.404E-11	4.571E-03	7.499E-01	2.307E-16	1.042E-15
2.500E+03	4.389E-15	2.190E-05	1.338E-06	4.075E-07	5.204E-11	7.213E-03	7.499E-01	1.179E-15	5.172E-15
2.600E+03	2.763E-14	1.972E-05	1.794E-06	1.116E-06	7.499E-11	1.099E-02	7.499E-01	4.759E-15	2.749E-14
2.700E+03	1.074E-13	1.705E-05	2.349E-06	1.957E-06	1.104E-10	1.621E-02	7.499E-01	1.734E-14	9.940E-14
2.800E+03	3.795E-13	1.621E-05	3.007E-06	3.292E-06	1.539E-10	2.325E-02	7.499E-01	5.770E-14	3.102E-13
2.900E+03	1.230E-12	1.474E-05	3.749E-06	5.331E-06	2.090E-10	3.267E-02	7.499E-01	1.760E-13	1.053E-12
3.000E+03	3.690E-12	1.341E-05	4.632E-06	6.335E-06	2.764E-10	4.429E-02	7.499E-01	7.112E-13	3.194E-12
3.100E+03	1.031E-11	1.218E-05	5.504E-06	1.262E-05	3.570E-10	5.907E-02	6.903E-01	1.320E-12	9.017E-12
3.200E+03	2.704E-11	1.103E-05	6.400E-06	1.655E-05	4.507E-10	7.719E-02	6.824E-01	6.824E-12	3.300E-11
3.300E+03	6.603E-11	9.943E-06	7.678E-06	2.652E-05	5.561E-10	9.994E-02	6.434E-01	7.752E-12	5.950E-11
3.400E+03	1.565E-10	8.904E-06	8.763E-06	3.693E-05	6.711E-10	1.245E-01	6.410E-01	1.160E-11	1.469E-10
3.500E+03	3.487E-10	7.911E-06	9.824E-06	5.017E-05	7.922E-10	1.540E-01	6.152E-01	3.420E-11	3.154E-10
3.600E+03	7.422E-10	6.963E-06	1.082E-05	6.657E-05	9.151E-10	1.874E-01	5.867E-01	7.282E-11	6.767E-10
3.700E+03	1.514E-09	6.064E-06	1.170E-05	8.640E-05	1.035E-09	2.244E-01	5.534E-01	1.401E-10	1.340E-09
3.800E+03	2.968E-09	5.218E-06	1.244E-05	1.098E-04	1.143E-09	2.644E-01	5.183E-01	2.504E-10	2.704E-09
3.900E+03	5.609E-09	4.433E-06	1.299E-05	1.367E-04	1.261E-09	3.075E-01	4.800E-01	4.500E-10	5.219E-09
4.000E+03	1.024E-08	3.715E-06	1.332E-05	1.670E-04	1.318E-09	3.523E-01	4.415E-01	7.017E-10	9.579E-09
4.100E+03	1.811E-08	3.071E-06	1.344E-05	2.003E-04	1.372E-09	3.981E-01	4.014E-01	1.207E-09	1.709E-08
4.200E+03	3.108E-08	2.507E-06	1.333E-05	2.362E-04	1.402E-09	4.440E-01	3.611E-01	2.049E-09	2.941E-08
4.300E+03	5.185E-08	2.011E-06	1.302E-05	2.741E-04	1.467E-09	4.891E-01	3.214E-01	3.150E-09	4.931E-08
4.400E+03	8.428E-08	1.595E-06	1.253E-05	3.134E-04	1.509E-09	5.374E-01	2.837E-01	4.722E-09	8.049E-08
4.500E+03	1.337E-07	1.250E-06	1.190E-05	3.534E-04	1.554E-09	5.731E-01	2.479E-01	6.064E-09	1.202E-07
4.600E+03	2.072E-07	9.699E-07	1.117E-05	3.940E-04	1.601E-09	6.107E-01	2.140E-01	7.724E-09	1.994E-07
4.700E+03	3.143E-07	7.457E-07	1.037E-05	4.343E-04	1.637E-09	6.447E-01	1.849E-01	1.344E-08	3.055E-07
4.800E+03	4.681E-07	5.894E-07	9.541E-06	4.742E-04	1.655E-09	6.750E-01	1.581E-01	1.810E-08	4.520E-07
4.900E+03	6.841E-07	4.326E-07	8.715E-06	5.132E-04	1.660E-09	7.015E-01	1.344E-01	2.409E-08	6.437E-07
5.000E+03	9.830E-07	3.274E-07	7.913E-06	5.513E-04	1.011E-09	7.245E-01	1.142E-01	3.135E-08	9.530E-07
5.100E+03	1.939E-06	1.873E-07	6.443E-06	6.263E-04	6.605E-10	7.605E-01	6.173E-02	5.064E-08	1.603E-06
5.200E+03	3.425E-06	1.075E-07	5.195E-06	6.925E-04	7.240E-10	7.854E-01	5.847E-02	7.752E-08	3.171E-06
5.300E+03	6.464E-06	6.268E-08	4.171E-06	7.555E-04	6.640E-10	8.024E-01	4.205E-02	1.130E-07	6.257E-06
5.400E+03	1.107E-05	3.686E-08	3.344E-06	8.124E-04	5.024E-10	8.129E-01	3.053E-02	1.410E-07	1.064E-05
6.000E+03	1.833E-05	2.211E-08	2.684E-06	6.624E-04	4.154E-10	8.169E-01	2.241E-02	2.210E-07	1.750E-05
6.200E+03	2.938E-05	1.347E-08	2.157E-06	9.041E-04	3.414E-10	8.212E-01	1.644E-02	2.957E-07	2.754E-05
6.400E+03	4.579E-05	8.330E-09	1.732E-06	9.360E-04	2.703E-10	8.200E-01	1.231E-02	3.847E-07	4.267E-05
6.600E+03	6.958E-05	5.214E-09	1.389E-06	9.568E-04	2.248E-10	8.183E-01	9.519E-03	4.941E-07	6.370E-05
6.800E+03	1.033E-04	3.298E-09	1.111E-06	9.652E-04	1.792E-10	8.139E-01	7.314E-03	6.204E-07	9.299E-05
7.000E+03	1.503E-04	2.103E-09	8.899E-07	9.604E-04	1.400E-10	8.082E-01	5.684E-03	7.665E-07	1.323E-04
7.200E+03	2.146E-04	1.350E-09	7.032E-07	9.439E-04	1.000E-10	8.016E-01	4.464E-03	9.330E-07	1.845E-04
7.400E+03	3.008E-04	8.721E-10	5.556E-07	9.116E-04	6.265E-11	7.944E-01	3.545E-03	1.121E-06	2.524E-04
7.600E+03	4.144E-04	5.664E-10	4.369E-07	8.999E-04	4.688E-11	7.872E-01	2.843E-03	1.334E-06	3.394E-04
7.800E+03	5.635E-04	3.700E-10	3.421E-07	8.195E-04	4.527E-11	7.802E-01	2.309E-03	1.572E-06	4.803E-04
8.000E+03	7.543E-04	2.433E-10	2.672E-07	7.633E-04	3.275E-11	7.737E-01	1.809E-03	1.841E-06	6.992E-04
8.200E+03	9.960E-04	1.613E-10	2.083E-07	7.040E-04	2.347E-11	7.680E-01	1.364E-03	2.143E-06	9.821E-04
8.400E+03	1.298E-03	1.078E-10	1.625E-07	6.444E-04	1.641E-11	7.631E-01	1.000E-03	2.482E-06	9.753E-04
8.600E+03	1.672E-03	7.279E-11	1.249E-07	5.864E-04	1.179E-11	7.590E-01	1.104E-03	2.862E-06	1.234E-03
8.800E+03	2.129E-03	4.967E-11	9.968E-08	5.320E-04	6.271E-12	7.555E-01	9.401E-04	3.207E-06	1.553E-03
9.000E+03	2.683E-03	3.427E-11	7.827E-08	4.816E-04	5.847E-12	7.525E-01	8.049E-04	3.750E-06	1.933E-03
9.200E+03	3.348E-03	2.391E-11	6.190E-08	4.354E-04	4.149E-12	7.499E-01	6.974E-04	4.270E-06	2.307E-03
9.400E+03	4.139E-03	1.687E-11	4.921E-08	3.951E-04	2.960E-12	7.475E-01	6.064E-04	4.950E-06	2.829E-03
9.600E+03	5.074E-03	1.203E-11	3.935E-08	3.568E-04	2.124E-12	7.453E-01	5.309E-04	5.474E-06	3.597E-03
9.800E+03	6.168E-03	8.688E-12	3.164E-08	3.235E-04	1.538E-12	7.430E-01	4.664E-04	6.151E-06	4.299E-03
1.000E+04	7.442E-03	6.308E-12	2.558E-08	2.938E-04	1.121E-12	7.407E-01	4.110E-04	6.982E-06	5.140E-03
1.100E+04	8.919E-03	4.459E-12	1.957E-08	2.657E-04	7.593E-13	7.375E-01	3.529E-04	1.133E-05	1.162E-02
1.200E+04	3.448E-02	3.920E-13	3.817E-09	1.205E-04	6.623E-14	7.011E-01	1.392E-04	1.687E-05	2.790E-02
1.300E+04	6.162E-02	1.155E-13	1.607E-09	7.821E-05	1.827E-14	6.629E-01	6.492E-05	2.200E-05	4.070E-02
1.400E+04	9.908E-02	3.309E-14	6.663E-10	4.960E-05	5.019E-15	6.089E-01	5.139E-05	2.930E-05	6.607E-02
1.500E+04	1.464E-01	9.177E-15	2.625E-10	2.964E-05	1.295E-15	5.796E-01	3.000E-05	3.189E-05	9.805E-02
1.600E+04	2.064E-01	2.314E-15	9.522E-11	1.657E-05	3.083E-16	4.587E-01	1.669E-05	3.257E-05	1.377E-01
1.700E+04	2.830E-01	5.154E-16	3.120E-11	8.540E-06	6.997E-17	3.729E-01	8.667E-06	3.822E-05	1.790E-01
1.800E+04	3.811E-01	1.000E-16	9.214E-12	4.865E-06	1.862E-17	2.901E-01	4.193E-06	2.554E-05	2.212E-01
1.900E+04	5.055E-01	1.765E-17	2.444E-12	1.812E-06	1.723E-18	2.174E-01	1.703E-06	1.790E-05	2.595E-01
2.000E+04	6.630E-01	2.871E-18	6.381E-13	7.740E-07	2.571E-19	1.585E-01	6.262E-07	1.491E-05	3.097E-01

TABLE II.- Continued

P/P0 = 9.00E+03

N	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.584E-01	5.526E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.267E-01	7.901E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.103E-33	2.442E-01	1.103E-20	0.	0.	0.	0.	0.	7.000E+02
0.	3.011E-29	2.482E-01	1.432E-20	0.	0.	0.	0.	0.	8.000E+02
0.	8.529E-26	2.493E-01	1.714E-20	0.	0.	0.	0.	0.	9.000E+02
0.	4.954E-23	2.497E-01	1.915E-20	0.	0.	0.	0.	0.	1.000E+03
0.	9.048E-21	2.498E-01	2.025E-20	0.	0.	0.	0.	0.	1.100E+03
0.	7.020E-19	2.499E-01	2.052E-20	0.	0.	0.	0.	0.	1.200E+03
0.	2.748E-17	2.499E-01	2.017E-20	0.	0.	0.	0.	0.	1.300E+03
0.	6.553E-16	2.500E-01	1.941E-20	0.	0.	0.	0.	0.	1.400E+03
0.	1.013E-14	2.500E-01	1.842E-20	0.	0.	0.	0.	0.	1.500E+03
0.	1.115E-13	2.500E-01	1.734E-20	0.	0.	0.	0.	0.	1.600E+03
0.	9.285E-13	2.500E-01	1.625E-20	0.	0.	0.	0.	0.	1.700E+03
5.299E-27	6.092E-12	2.500E-01	1.520E-20	0.	0.	0.	0.	0.	1.800E+03
1.926E-24	3.244E-11	2.499E-01	1.426E-20	0.	0.	0.	0.	0.	1.900E+03
3.094E-22	1.501E-10	2.499E-01	1.349E-20	0.	0.	0.	0.	0.	2.000E+03
8.011E-21	5.934E-10	2.499E-01	7.541E-20	0.	0.	0.	0.	0.	2.100E+03
8.932E-20	2.072E-09	2.498E-01	5.080E-19	0.	0.	0.	0.	0.	2.200E+03
7.616E-19	6.490E-09	2.498E-01	3.079E-18	0.	0.	0.	0.	0.	2.300E+03
5.368E-18	1.849E-08	2.498E-01	1.825E-17	0.	0.	0.	0.	0.	2.400E+03
3.228E-17	4.848E-08	2.491E-01	7.537E-17	0.	0.	0.	0.	0.	2.500E+03
1.687E-16	1.180E-07	2.488E-01	3.115E-16	0.	0.	0.	0.	0.	2.600E+03
7.783E-16	2.892E-07	2.480E-01	1.159E-15	0.	0.	0.	0.	0.	2.700E+03
3.210E-15	5.779E-07	2.471E-01	3.928E-15	0.	0.	0.	0.	0.	2.800E+03
1.197E-14	1.177E-06	2.459E-01	1.227E-14	0.	0.	0.	0.	0.	2.900E+03
4.072E-14	2.247E-06	2.445E-01	3.553E-14	0.	0.	0.	0.	0.	3.000E+03
1.274E-13	4.252E-06	2.428E-01	9.864E-14	0.	0.	0.	0.	0.	3.100E+03
3.844E-13	7.599E-06	2.403E-01	2.442E-13	0.	0.	0.	0.	0.	3.200E+03
9.403E-13	1.310E-05	2.378E-01	5.930E-13	0.	0.	0.	0.	0.	3.300E+03
2.528E-12	2.184E-05	2.349E-01	1.358E-12	0.	0.	0.	0.	0.	3.400E+03
6.025E-12	3.532E-05	2.307E-01	2.964E-12	0.	0.	0.	0.	0.	3.500E+03
1.357E-11	5.555E-05	2.265E-01	6.210E-12	0.	0.	0.	0.	0.	3.600E+03
2.901E-11	8.511E-05	2.218E-01	1.250E-11	0.	0.	0.	0.	0.	3.700E+03
5.900E-11	1.273E-04	2.168E-01	2.428E-11	0.	0.	0.	0.	0.	3.800E+03
1.145E-10	1.843E-04	2.114E-01	4.564E-11	0.	0.	0.	0.	0.	3.900E+03
2.127E-10	2.671E-04	2.057E-01	8.325E-11	0.	0.	0.	0.	0.	4.000E+03
3.791E-10	3.759E-04	1.999E-01	1.478E-10	0.	0.	0.	0.	0.	4.100E+03
6.495E-10	5.199E-04	1.940E-01	2.558E-10	0.	0.	0.	0.	0.	4.200E+03
1.073E-09	7.078E-04	1.883E-01	4.330E-10	0.	0.	0.	0.	0.	4.300E+03
1.712E-09	9.647E-04	1.827E-01	7.181E-10	0.	0.	0.	0.	0.	4.400E+03
2.653E-09	1.258E-03	1.774E-01	1.145E-09	0.	0.	0.	0.	0.	4.500E+03
3.966E-09	1.645E-03	1.724E-01	1.871E-09	0.	0.	0.	0.	0.	4.600E+03
5.766E-09	2.129E-03	1.679E-01	2.949E-09	0.	0.	0.	0.	0.	4.700E+03
8.231E-09	2.727E-03	1.637E-01	4.378E-09	0.	0.	0.	0.	0.	4.800E+03
1.144E-08	3.459E-03	1.596E-01	7.015E-09	0.	0.	0.	0.	0.	4.900E+03
1.588E-08	4.349E-03	1.554E-01	1.048E-08	0.	0.	0.	0.	0.	5.000E+03
2.173E-08	5.397E-03	1.508E-01	1.523E-08	0.	0.	0.	0.	0.	5.100E+03
2.921E-08	6.613E-03	1.458E-01	2.183E-08	0.	0.	0.	0.	0.	5.200E+03
3.871E-08	8.007E-03	1.402E-01	3.133E-08	0.	0.	0.	0.	0.	5.300E+03
5.151E-08	9.579E-03	1.342E-01	4.584E-08	0.	0.	0.	0.	0.	5.400E+03
6.791E-08	1.134E-02	1.278E-01	6.639E-08	0.	0.	0.	0.	0.	5.500E+03
8.821E-08	1.336E-02	1.211E-01	9.439E-08	0.	0.	0.	0.	0.	5.600E+03
1.128E-07	1.564E-02	1.135E-01	1.327E-07	0.	0.	0.	0.	0.	5.700E+03
1.525E-07	1.817E-02	1.049E-01	1.829E-07	0.	0.	0.	0.	0.	5.800E+03
1.978E-07	2.098E-02	9.554E-02	2.524E-07	0.	0.	0.	0.	0.	5.900E+03
2.595E-07	2.414E-02	8.574E-02	3.311E-07	0.	0.	0.	0.	0.	6.000E+03
3.384E-07	2.764E-02	7.561E-02	4.452E-07	0.	0.	0.	0.	0.	6.100E+03
4.358E-07	3.146E-02	6.404E-02	5.980E-07	0.	0.	0.	0.	0.	6.200E+03
5.533E-07	3.562E-02	5.144E-02	7.947E-07	0.	0.	0.	0.	0.	6.300E+03
6.918E-07	4.014E-02	3.804E-02	1.064E-06	0.	0.	0.	0.	0.	6.400E+03
8.523E-07	4.502E-02	2.404E-02	1.411E-06	0.	0.	0.	0.	0.	6.500E+03
1.036E-06	5.026E-02	1.004E-02	1.853E-06	0.	0.	0.	0.	0.	6.600E+03
1.254E-06	5.594E-02	5.448E-03	2.404E-06	0.	0.	0.	0.	0.	6.700E+03
1.508E-06	6.208E-02	3.855E-03	3.105E-06	0.	0.	0.	0.	0.	6.800E+03
1.799E-06	6.868E-02	2.685E-03	4.000E-06	0.	0.	0.	0.	0.	6.900E+03
2.128E-06	7.574E-02	1.855E-03	5.141E-06	0.	0.	0.	0.	0.	7.000E+03
2.496E-06	8.326E-02	1.284E-03	6.564E-06	0.	0.	0.	0.	0.	7.100E+03
2.904E-06	9.124E-02	8.744E-04	8.311E-06	0.	0.	0.	0.	0.	7.200E+03
3.354E-06	9.968E-02	5.944E-04	1.047E-05	0.	0.	0.	0.	0.	7.300E+03
3.848E-06	1.085E-01	3.984E-04	1.327E-05	0.	0.	0.	0.	0.	7.400E+03
4.388E-06	1.177E-01	2.714E-04	1.684E-05	0.	0.	0.	0.	0.	7.500E+03
4.976E-06	1.274E-01	1.784E-04	2.232E-05	0.	0.	0.	0.	0.	7.600E+03
5.614E-06	1.376E-01	1.184E-04	2.914E-05	0.	0.	0.	0.	0.	7.700E+03
6.304E-06	1.484E-01	7.844E-05	3.764E-05	0.	0.	0.	0.	0.	7.800E+03
7.048E-06	1.598E-01	5.144E-05	4.834E-05	0.	0.	0.	0.	0.	7.900E+03
7.848E-06	1.718E-01	3.344E-05	6.184E-05	0.	0.	0.	0.	0.	8.000E+03
8.704E-06	1.844E-01	2.144E-05	7.864E-05	0.	0.	0.	0.	0.	8.100E+03
9.628E-06	1.976E-01	1.344E-05	9.944E-05	0.	0.	0.	0.	0.	8.200E+03
1.072E-05	2.114E-01	8.444E-06	1.264E-04	0.	0.	0.	0.	0.	8.300E+03
1.198E-05	2.258E-01	5.444E-06	1.624E-04	0.	0.	0.	0.	0.	8.400E+03
1.342E-05	2.408E-01	3.444E-06	2.064E-04	0.	0.	0.	0.	0.	8.500E+03
1.504E-05	2.564E-01	2.244E-06	2.604E-04	0.	0.	0.	0.	0.	8.600E+03
1.684E-05	2.726E-01	1.444E-06	3.284E-04	0.	0.	0.	0.	0.	8.700E+03
1.884E-05	2.894E-01	9.444E-07	4.144E-04	0.	0.	0.	0.	0.	8.800E+03
2.104E-05	3.068E-01	6.244E-07	5.144E-04	0.	0.	0.	0.	0.	8.900E+03
2.344E-05	3.248E-01	4.044E-07	6.344E-04	0.	0.	0.	0.	0.	9.000E+03
2.604E-05	3.434E-01	2.644E-07	7.744E-04	0.	0.	0.	0.	0.	9.100E+03
2.884E-05	3.626E-01	1.744E-07	9.344E-04	0.	0.	0.	0.	0.	9.200E+03
3.184E-05	3.834E-01	1.144E-07	1.124E-03	0.	0.	0.	0.	0.	9.300E+03
3.504E-05	4.058E-01	7.444E-08	1.344E-03	0.	0.	0.	0.	0.	9.400E+03
3.844E-05	4.298E-01	4.844E-08	1.594E-03	0.	0.	0.	0.	0.	9.500E+03
4.204E-05	4.554E-01	3.144E-08	1.884E-03	0.	0.	0.	0.	0.	9.600E+03
4.584E-05	4.826E-01	2.044E-08	2.214E-03	0.	0.	0.	0.	0.	9.700E+03
5.004E-05	5.114E-01	1.344E-08	2.594E-03	0.	0.	0.	0.	0.	9.800E+03
5.464E-05	5.418E-01	8.444E-09	3.024E-03	0.	0.	0.	0.	0.	9.900E+03
5.964E-05	5.738E-01	5.444E-09	3.504E-03	0.	0.	0.	0.	0.	1.000E+04
6.504E-05	6.074E-01	3.444E-09	4.044E-03	0.	0.	0.	0.	0.	1.100E+04
7.084E-05	6.426E-01	2.244E-09	4.644E-03	0.	0.	0.	0.	0.	1.200E+04
7.704E-05	6.794E-01	1.444E-09	5.314E-03	0.	0.	0.	0.	0.	1.300E+04
8.364E-05	7.178E-01	9.444E-10	6.064E-03	0.	0.	0.	0.	0.	1.400E+04
9.064E-05	7.578E-01	6.244E-10	6.894E-03	0.	0.	0.	0.	0.	1.500E+04
9.804E-05	7.994E-01	4.044E-10	7.814E-03	0.	0.	0.	0.	0.	1.600E+04
1.058E-04	8.426E-01	2.644E-10	8.844E-03	0.	0.	0.	0.	0.	1.700E+04
1.144E-04	8.874E-01	1.744E-10	9.994E-03	0.	0.	0.	0.	0.	1.800E+04
1.234E-04	9.338E-01	1.144E-10	1.126E-02	0.	0.	0.	0.	0.	1.900E+04
1.328E-04	9.818E-01	7.444E-11	1.266E-02	0.	0.	0.	0.	0.	2.000E+04

TABLE II. - Continued

I	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	4.30E-01	6.550E-19	1.600E-13	3.260E-07	3.779E-20	1.140E-01	3.502E-07	1.012E-05	3.120E-01
2.200E+04	4.50E-01	7.333E-20	4.063E-14	1.301E-07	5.714E-21	8.103E-02	1.402E-07	6.003E-06	3.301E-01
2.300E+04	4.647E-01	1.241E-20	1.071E-14	5.900E-08	9.160E-22	5.922E-02	6.377E-08	4.641E-06	3.423E-01
2.400E+04	4.744E-01	2.244E-21	2.674E-15	2.674E-08	1.504E-22	4.349E-02	2.821E-08	3.130E-06	3.507E-01
2.500E+04	4.813E-01	4.403E-22	8.722E-16	1.299E-08	2.971E-23	3.253E-02	1.292E-08	2.162E-06	3.565E-01
2.600E+04	4.864E-01	9.341E-23	2.710E-16	5.947E-09	6.046E-24	2.401E-02	6.140E-08	1.482E-06	3.604E-01
2.700E+04	4.904E-01	2.140E-23	6.956E-17	2.952E-09	1.327E-24	1.950E-02	3.059E-09	1.841E-06	3.629E-01
2.800E+04	4.940E-01	5.205E-24	3.104E-17	1.506E-09	3.109E-25	1.531E-02	1.550E-09	7.422E-07	3.642E-01
2.900E+04	4.974E-01	1.380E-24	1.120E-17	7.809E-10	7.696E-26	1.237E-02	6.216E-10	5.372E-07	3.644E-01
3.000E+04	5.014E-01	3.820E-25	4.235E-18	4.200E-10	1.986E-26	1.015E-02	4.900E-10	3.944E-07	3.630E-01
3.100E+04	5.057E-01	1.107E-25	1.640E-18	2.261E-10	5.272E-27	8.463E-03	2.532E-10	2.932E-07	3.622E-01
3.200E+04	5.104E-01	3.330E-26	6.495E-19	1.224E-10	1.423E-27	7.150E-03	1.474E-10	2.200E-07	3.599E-01
3.300E+04	5.150E-01	1.033E-26	2.643E-19	6.631E-11	3.660E-28	6.113E-03	6.760E-11	1.401E-07	3.571E-01
3.400E+04	5.212E-01	3.284E-27	1.066E-19	3.586E-11	1.053E-28	5.204E-03	5.352E-11	1.295E-07	3.530E-01
3.500E+04	5.264E-01	1.045E-27	4.392E-20	1.935E-11	2.865E-29	4.611E-03	3.344E-11	1.092E-07	3.504E-01
3.600E+04	5.314E-01	3.557E-28	1.630E-20	1.043E-11	7.811E-30	4.059E-03	2.131E-11	7.937E-08	3.474E-01
3.700E+04	5.357E-01	1.211E-28	7.724E-21	5.630E-12	2.162E-30	3.601E-03	1.369E-11	6.215E-08	3.444E-01
3.800E+04	5.395E-01	4.214E-29	3.309E-21	3.050E-12	5.963E-31	3.217E-03	9.165E-12	5.077E-08	3.421E-01
3.900E+04	5.427E-01	1.514E-29	1.441E-21	1.664E-12	1.677E-31	2.893E-03	6.171E-12	4.122E-08	3.401E-01
4.000E+04	5.454E-01	5.573E-30	6.397E-22	9.150E-13	4.831E-32	2.616E-03	4.223E-12	3.377E-08	3.383E-01
4.100E+04	5.477E-01	2.180E-30	2.895E-22	5.007E-13	0.	2.370E-03	2.953E-12	2.790E-08	3.368E-01
4.200E+04	5.497E-01	8.197E-31	1.337E-22	2.870E-13	0.	2.171E-03	2.064E-12	2.323E-08	3.356E-01
4.300E+04	5.514E-01	3.273E-31	6.296E-23	1.635E-13	0.	1.991E-03	1.475E-12	1.940E-08	3.346E-01
4.400E+04	5.531E-01	1.340E-31	3.021E-23	9.427E-14	0.	1.833E-03	1.065E-12	1.644E-08	3.333E-01
4.500E+04	5.546E-01	5.616E-32	1.475E-23	5.493E-14	0.	1.693E-03	7.760E-13	1.395E-08	3.322E-01
4.600E+04	5.560E-01	2.405E-32	7.319E-24	3.232E-14	0.	1.569E-03	5.751E-13	1.190E-08	3.310E-01
4.700E+04	5.585E-01	1.050E-32	3.682E-24	1.917E-14	0.	1.457E-03	4.290E-13	1.020E-08	3.296E-01
4.800E+04	5.607E-01	4.657E-33	1.874E-24	1.144E-14	0.	1.357E-03	3.250E-13	8.775E-09	3.282E-01
4.900E+04	5.630E-01	2.094E-33	9.633E-25	6.858E-15	0.	1.267E-03	2.454E-13	7.561E-09	3.269E-01
5.000E+04	5.654E-01	9.552E-34	4.940E-25	4.124E-15	0.	1.185E-03	1.870E-13	6.574E-09	3.264E-01

1/100 = 1.00E-01

I	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	3.867E-21	1.547E-24	9.957E-15	1.253E-28	1.407E-27	4.618E-09	1.177E-18	1.418E-21
6.000E+02	0.	1.217E-21	7.368E-17	6.391E-20	9.356E-25	1.207E-17	6.796E-01	9.268E-19	5.769E-21
7.000E+02	0.	2.586E-22	2.597E-15	1.115E-24	4.134E-22	8.462E-15	7.378E-27	4.464E-10	7.008E-20
8.000E+02	0.	3.147E-21	0.963E-14	1.354E-21	3.587E-23	7.424E-17	7.439E-19	8.061E-19	3.796E-20
9.000E+02	0.	1.149E-21	1.340E-12	3.378E-19	1.122E-14	1.207E-11	7.476E-21	7.631E-19	7.397E-20
1.000E+03	0.	1.441E-21	1.212E-11	7.785E-17	1.795E-17	6.718E-19	7.489E-21	7.104E-19	1.204E-19
1.100E+03	0.	7.955E-24	7.181E-11	1.325E-15	1.664E-14	7.087E-09	7.494E-21	6.507E-19	1.810E-19
1.200E+03	0.	4.770E-24	3.147E-10	2.067E-14	1.387E-15	5.403E-09	7.496E-21	4.864E-19	2.468E-19
1.300E+03	0.	3.006E-24	1.094E-09	2.637E-15	5.355E-15	7.028E-07	7.498E-21	5.261E-19	3.077E-19
1.400E+03	0.	2.157E-24	7.183E-09	7.374E-17	2.702E-14	1.757E-06	7.498E-21	4.461E-19	3.488E-19
1.500E+03	0.	1.476E-24	8.327E-09	1.543E-11	6.460E-14	4.814E-06	7.499E-21	4.162E-19	4.166E-19
1.600E+03	1.476E-24	1.107E-24	1.873E-08	8.064E-11	1.945E-13	1.487E-05	7.499E-21	3.637E-19	4.641E-19
1.700E+03	1.625E-24	8.637E-05	3.641E-08	3.449E-10	4.882E-13	4.050E-05	7.499E-21	3.295E-19	5.054E-19
1.800E+03	7.284E-24	6.890E-05	6.941E-08	1.265E-09	1.113E-12	7.499E-05	7.499E-21	2.940E-19	5.400E-19
1.900E+03	1.754E-21	5.654E-05	1.274E-07	4.057E-09	2.329E-12	2.172E-04	7.498E-21	2.677E-19	5.709E-19
2.000E+03	2.017E-19	4.738E-05	2.045E-07	1.191E-08	4.575E-12	4.446E-04	7.496E-21	3.722E-19	7.361E-19
2.100E+03	3.945E-18	4.042E-05	3.218E-07	2.962E-08	8.331E-12	8.575E-04	7.497E-21	1.751E-18	4.400E-19
2.200E+03	3.371E-17	3.501E-05	4.925E-07	6.942E-08	1.440E-11	1.548E-03	7.494E-21	8.165E-18	2.549E-17
2.300E+03	2.142E-16	7.077E-05	7.214E-07	1.537E-07	7.373E-11	2.642E-03	7.477E-21	4.049E-17	1.687E-16
2.400E+03	1.218E-15	2.723E-05	1.024E-06	3.143E-07	7.784E-11	4.337E-03	7.462E-21	2.577E-16	9.477E-16
2.500E+03	5.937E-15	2.434E-05	1.477E-06	6.077E-07	5.788E-11	6.845E-03	7.440E-21	1.190E-15	4.755E-15
2.600E+03	2.566E-14	2.193E-05	1.893E-06	1.117E-06	8.562E-11	1.043E-02	7.409E-21	6.677E-15	2.091E-14
2.700E+03	9.472E-14	1.946E-05	2.476E-06	1.959E-06	1.278E-10	1.499E-02	7.364E-21	3.684E-14	8.727E-14
2.800E+03	3.223E-13	1.403E-05	3.177E-06	3.294E-06	1.717E-10	2.077E-02	7.327E-21	2.659E-14	2.955E-13
2.900E+03	1.142E-12	1.644E-05	3.663E-06	5.338E-06	2.327E-10	3.784E-02	7.230E-21	1.718E-13	4.499E-13
3.000E+03	3.474E-12	1.407E-05	4.899E-06	8.977E-06	3.082E-10	4.707E-02	7.152E-21	4.078E-13	7.467E-13
3.100E+03	5.573E-11	1.362E-05	5.912E-06	1.265E-05	3.988E-10	5.614E-02	7.000E-21	1.209E-12	5.311E-12
3.200E+03	2.517E-11	1.214E-05	7.035E-06	1.845E-05	4.042E-10	7.361E-02	6.847E-21	5.215E-12	7.209E-12
3.300E+03	6.234E-11	1.117E-05	8.155E-06	2.663E-05	6.233E-10	9.415E-02	6.676E-21	7.543E-12	5.409E-11
3.400E+03	1.453E-10	1.073E-05	9.326E-06	3.717E-05	7.440E-10	1.180E-01	6.467E-21	4.427E-11	1.297E-10
3.500E+03	3.730E-10	8.942E-06	1.248E-05	5.057E-05	8.927E-10	1.460E-01	6.215E-21	3.447E-11	2.915E-10
3.600E+03	6.887E-10	7.923E-06	1.477E-05	6.715E-05	1.075E-09	1.780E-01	5.934E-21	7.161E-11	6.567E-10
3.700E+03	1.438E-09	4.915E-06	1.256E-05	8.737E-05	1.174E-09	2.145E-01	5.622E-21	1.377E-10	1.780E-09
3.800E+03	2.762E-09	5.983E-06	1.346E-05	1.112E-04	1.305E-09	2.544E-01	5.282E-21	2.547E-10	2.737E-09
3.900E+03	5.223E-09	4.114E-05	1.474E-05	1.398E-04	1.420E-09	3.970E-01	4.917E-21	4.577E-10	4.870E-09
4.000E+03	9.546E-09	4.314E-05	1.644E-05	1.694E-04	1.694E-09	5.387E-01	4.534E-21	7.751E-10	8.090E-09
4.100E+03	1.490E-08	3.597E-06	1.668E-05	2.044E-04	1.567E-09	6.876E-01	4.161E-21	1.201E-09	1.585E-08
4.200E+03	2.903E-08	2.949E-06	1.664E-05	2.416E-04	1.631E-09	8.209E-01	3.764E-21	7.064E-09	2.737E-08
4.300E+03	4.849E-08	2.380E-06	1.648E-05	2.812E-04	1.666E-09	9.746E-01	3.357E-21	4.167E-09	4.994E-08
4.400E+03	7.470E-08	1.911E-06	1.392E-05	3.225E-04	1.637E-09	1.149E-01	2.972E-21	2.972E-09	7.513E-08
4.500E+03	1.253E-07	1.517E-06	1.324E-05	3.640E-04	1.601E-09	1.400E-01	2.617E-21	6.945E-09	1.087E-07
4.600E+03	1.945E-07	1.181E-06	1.053E-05	4.077E-04	1.547E-09	1.690E-01	2.275E-21	8.875E-09	1.667E-07
4.700E+03	2.954E-07	9.159E-07	1.170E-05	4.505E-04	1.478E-09	2.117E-01	1.900E-21	1.771E-09	2.845E-07
4.800E+03	4.434E-07	7.238E-07	1.087E-05	4.930E-04	1.390E-09	2.674E-01	1.492E-21	1.861E-09	4.251E-07

TABLE II. - Continued

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
7.347E-06	2.427E-02	2.568E-08	2.072E-07	1.180E-01	2.838E-06	5.676E-05	4.428E-13	0.	2.108E+04
4.696E-06	1.672E-32	8.881E-09	1.098E-07	1.205E-01	1.767E-06	1.302E-04	3.634E-12	0.	2.208E+04
2.987E-06	1.170E-02	3.224E-05	5.951E-08	1.219E-01	1.106E-06	2.807E-04	2.551E-11	0.	2.308E+04
1.913E-06	6.340E-03	1.234E-05	3.313E-08	1.225E-01	7.014E-07	5.711E-04	1.553E-10	0.	2.408E+04
1.242E-06	6.063E-03	4.973E-10	1.894E-08	1.225E-01	4.527E-07	1.103E-03	8.312E-10	0.	2.508E+04
8.213E-07	4.493E-03	2.101E-10	1.109E-08	1.219E-01	2.976E-07	2.027E-03	3.949E-09	0.	2.608E+04
5.541E-07	3.262E-03	9.240E-11	6.621E-09	1.205E-01	1.991E-07	3.556E-03	1.688E-08	0.	2.708E+04
3.819E-07	2.574E-03	4.193E-11	3.997E-09	1.180E-01	1.351E-07	5.957E-03	6.442E-08	0.	2.808E+04
2.641E-07	1.977E-03	1.944E-11	2.420E-09	1.141E-01	9.267E-08	9.527E-03	2.234E-07	0.	2.908E+04
1.939E-07	1.520E-03	9.100E-12	1.455E-09	1.084E-01	6.396E-08	1.452E-02	7.053E-07	0.	3.008E+04
1.428E-07	1.164E-03	4.254E-12	8.604E-10	1.013E-01	4.418E-08	2.109E-02	2.624E-06	0.	3.108E+04
1.075E-07	8.640E-04	1.968E-12	4.961E-10	9.234E-02	3.039E-08	2.913E-02	5.317E-06	0.	3.208E+04
8.255E-08	6.633E-04	8.935E-13	2.773E-10	8.208E-02	2.074E-08	3.830E-02	1.280E-05	0.	3.308E+04
6.444E-08	4.907E-04	3.966E-13	1.499E-10	7.115E-02	1.401E-08	4.804E-02	2.849E-05	0.	3.408E+04
5.154E-08	3.580E-04	1.721E-13	7.852E-11	6.024E-02	9.362E-09	5.773E-02	5.874E-05	1.851E-11	3.508E+04
4.170E-08	2.579E-04	7.328E-14	4.002E-11	4.999E-02	6.193E-09	6.640E-02	1.137E-04	7.411E-11	3.608E+04
3.441E-08	1.861E-04	3.077E-14	1.998E-11	4.062E-02	4.068E-09	7.485E-02	2.080E-04	2.843E-10	3.708E+04
2.874E-08	1.305E-04	1.283E-14	9.845E-12	3.294E-02	2.658E-09	8.168E-02	3.622E-04	8.758E-10	3.808E+04
2.433E-08	9.231E-05	5.325E-15	4.821E-12	2.637E-02	1.736E-09	8.725E-02	6.043E-04	3.105E-09	3.908E+04
2.085E-08	6.526E-05	2.239E-15	2.366E-12	2.102E-02	1.135E-09	9.159E-02	9.717E-04	9.237E-09	4.008E+04
1.807E-08	4.823E-05	9.439E-16	1.160E-12	1.672E-02	7.453E-10	9.479E-02	1.513E-03	2.583E-08	4.108E+04
1.582E-08	3.285E-05	4.052E-16	5.743E-13	1.330E-02	4.920E-10	9.696E-02	2.287E-03	6.863E-08	4.208E+04
1.398E-08	2.345E-05	1.754E-16	2.867E-13	1.058E-02	3.267E-10	9.817E-02	3.367E-03	1.721E-07	4.308E+04
1.246E-08	1.680E-05	7.711E-17	1.444E-13	8.430E-03	2.184E-10	9.844E-02	4.835E-03	4.122E-07	4.408E+04
1.119E-08	1.204E-05	3.627E-17	7.327E-14	6.719E-03	1.468E-10	9.778E-02	6.778E-03	9.438E-07	4.508E+04
1.012E-08	8.714E-06	1.539E-17	3.740E-14	5.356E-03	9.917E-11	9.670E-02	9.280E-03	2.064E-06	4.608E+04
9.201E-09	6.294E-06	6.959E-18	1.916E-14	4.264E-03	6.727E-11	9.368E-02	1.241E-02	4.328E-06	4.708E+04
8.415E-09	4.549E-06	3.163E-18	9.823E-15	3.384E-03	4.574E-11	9.022E-02	1.621E-02	8.793E-06	4.808E+04
7.734E-09	3.283E-06	1.442E-18	5.027E-15	2.682E-03	3.113E-11	8.597E-02	2.068E-02	1.479E-05	4.908E+04
7.138E-09	2.364E-06	6.561E-19	2.560E-15	2.113E-03	2.118E-11	8.070E-02	2.576E-02	3.114E-05	5.008E+04

P/PQ = 1.00E+01

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	0.	1.539E-01	5.599E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.246E-01	7.965E-21	0.	0.	0.	0.	0.	6.000E+02
0.	1.045E-33	2.438E-01	1.107E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.453E-29	2.480E-01	1.436E-20	0.	0.	0.	0.	0.	8.000E+02
0.	4.090E-26	2.452E-01	1.722E-20	0.	0.	0.	0.	0.	9.000E+02
0.	6.700E-23	2.446E-01	1.930E-20	0.	0.	0.	0.	0.	1.000E+03
0.	8.622E-21	2.458E-01	2.084E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.060E-19	2.499E-01	2.284E-20	0.	0.	0.	0.	0.	1.200E+03
0.	2.643E-17	2.499E-01	2.058E-20	2.773E-32	0.	0.	0.	0.	1.300E+03
0.	6.216E-16	2.499E-01	1.988E-20	3.216E-31	0.	0.	0.	0.	1.400E+03
0.	9.815E-15	2.500E-01	1.891E-20	2.661E-30	0.	0.	0.	0.	1.500E+03
0.	1.058E-13	2.570E-01	1.785E-20	1.644E-29	0.	0.	0.	0.	1.600E+03
0.	8.789E-13	2.500E-01	1.677E-20	8.184E-29	0.	0.	0.	0.	1.700E+03
4.840E-27	5.779E-12	2.500E-01	1.577E-20	3.379E-28	0.	0.	0.	0.	1.800E+03
1.764E-24	3.120E-11	2.500E-01	1.477E-20	1.176E-27	0.	0.	0.	0.	1.900E+03
2.896E-22	1.624E-10	2.459E-01	1.712E-20	4.578E-27	2.168E-30	0.	0.	0.	2.000E+03
7.805E-21	8.300E-10	2.499E-01	1.363E-20	5.790E-26	1.567E-28	0.	0.	0.	2.100E+03
6.746E-20	1.763E-09	2.498E-01	6.920E-19	1.037E-24	4.213E-27	0.	0.	0.	2.200E+03
7.462E-19	6.157E-09	2.497E-01	2.982E-18	1.549E-23	6.045E-26	0.	0.	0.	2.300E+03
5.238E-18	1.755E-08	2.495E-01	1.577E-17	1.864E-22	1.191E-24	0.	0.	0.	2.400E+03
3.181E-17	4.603E-08	2.491E-01	7.303E-17	1.844E-21	1.417E-23	0.	0.	0.	2.500E+03
1.652E-16	1.120E-07	2.487E-01	3.827E-16	1.533E-20	1.591E-22	0.	0.	0.	2.600E+03
7.620E-16	2.557E-07	2.481E-01	1.124E-15	1.591E-19	1.152E-21	0.	0.	0.	2.700E+03
3.143E-15	5.464E-07	2.472E-01	3.810E-15	6.759E-19	8.174E-21	0.	0.	0.	2.800E+03
1.172E-14	1.117E-06	2.461E-01	1.191E-14	5.703E-18	5.263E-20	0.	0.	0.	2.900E+03
3.899E-14	4.170E-06	2.447E-01	3.469E-14	1.811E-17	2.749E-19	0.	0.	0.	3.000E+03
1.249E-13	6.037E-06	2.430E-01	9.388E-14	8.316E-17	1.353E-18	0.	0.	0.	3.100E+03
3.600E-13	7.218E-06	2.406E-01	2.322E-13	3.238E-16	5.466E-17	0.	0.	0.	3.200E+03
9.799E-13	1.244E-05	2.382E-01	5.766E-13	1.204E-15	2.346E-17	0.	0.	0.	3.300E+03
2.484E-12	2.073E-05	2.351E-01	1.320E-12	4.151E-15	8.955E-17	0.	0.	0.	3.400E+03
5.929E-12	3.158E-05	2.316E-01	2.885E-12	1.338E-14	3.079E-16	0.	0.	0.	3.500E+03
1.330E-11	5.282E-05	2.276E-01	6.062E-12	4.037E-14	9.536E-16	0.	0.	0.	3.600E+03
2.889E-11	4.097E-05	2.241E-01	1.217E-11	1.151E-13	2.825E-15	0.	0.	0.	3.700E+03
5.841E-11	1.212E-04	2.182E-01	2.366E-11	3.114E-13	7.663E-15	0.	0.	0.	3.800E+03
1.137E-10	1.774E-04	2.129E-01	4.466E-11	6.823E-13	2.046E-14	0.	0.	0.	3.900E+03
2.118E-10	2.545E-04	2.074E-01	6.105E-11	1.877E-12	3.143E-14	0.	0.	0.	4.000E+03
3.744E-10	3.582E-04	2.017E-01	1.438E-10	4.678E-12	1.118E-13	0.	0.	0.	4.100E+03
6.511E-10	4.958E-04	1.959E-01	2.489E-10	1.264E-11	2.754E-13	0.	0.	0.	4.200E+03
1.079E-09	6.749E-04	1.892E-01	4.211E-10	2.340E-11	5.945E-13	0.	0.	0.	4.300E+03
1.729E-09	9.058E-04	1.817E-01	6.977E-10	4.981E-11	1.261E-12	0.	0.	0.	4.400E+03
2.682E-09	1.230E-03	1.733E-01	1.135E-09	1.079E-10	2.490E-12	0.	0.	0.	4.500E+03
4.038E-09	1.569E-03	1.643E-01	1.814E-09	2.049E-10	4.424E-12	0.	0.	0.	4.600E+03
5.913E-09	2.030E-03	1.546E-01	2.854E-09	2.854E-10	9.880E-12	0.	0.	0.	4.700E+03
8.443E-09	2.608E-03	1.453E-01	4.256E-09	7.768E-10	1.658E-11	0.	0.	0.	4.800E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	NH2	H	H2	H2+	H+
4.900E+03	6.443E-07	5.382E-07	9.922E-07	1.010E-06	1.312E-05	6.901E-01	1.467E-01	2.477E-08	6.299E-07
5.000E+03	7.767E-07	4.102E-07	9.046E-07	1.010E-06	1.224E-05	7.741E-01	1.279E-01	3.777E-08	3.977E-07
5.200E+03	1.031E-06	2.370E-07	7.427E-07	1.010E-06	1.040E-05	7.527E-01	8.889E-02	5.259E-08	1.776E-06
5.400E+03	1.477E-06	1.377E-07	5.212E-07	1.010E-06	8.863E-05	7.795E-01	6.796E-02	8.377E-08	7.227E-06
5.600E+03	2.121E-06	8.023E-08	3.421E-07	1.010E-06	7.439E-05	7.979E-01	4.621E-02	1.189E-07	5.912E-06
5.800E+03	3.090E-06	4.758E-08	2.212E-07	1.010E-06	6.201E-05	8.398E-01	3.366E-02	1.667E-07	1.710E-06
6.000E+03	4.537E-06	2.866E-08	1.421E-07	1.010E-06	5.104E-05	8.167E-01	2.477E-02	2.327E-07	1.659E-06
6.200E+03	6.544E-06	1.768E-08	9.141E-08	1.010E-06	4.253E-05	8.199E-01	1.844E-02	3.110E-07	2.617E-06
6.400E+03	9.291E-06	1.094E-08	5.974E-08	1.010E-06	3.578E-05	8.182E-01	1.357E-02	4.069E-07	4.069E-06
6.600E+03	1.299E-05	6.747E-09	3.981E-08	1.010E-06	3.021E-05	8.144E-01	9.833E-03	5.556E-07	6.037E-06
6.800E+03	1.819E-05	4.211E-09	2.655E-08	1.010E-06	2.542E-05	8.081E-01	7.122E-03	7.579E-07	8.579E-06
7.000E+03	2.511E-05	2.741E-09	1.765E-08	1.010E-06	2.191E-05	8.000E-01	5.199E-03	1.037E-06	1.219E-05
7.200E+03	3.441E-05	1.743E-09	1.176E-08	1.010E-06	1.910E-05	7.909E-01	3.795E-03	1.427E-06	1.719E-05
7.400E+03	4.711E-05	1.145E-09	7.871E-09	1.010E-06	1.664E-05	7.809E-01	2.759E-03	1.989E-06	2.419E-05
7.600E+03	6.391E-05	7.561E-10	5.246E-09	1.010E-06	1.441E-05	7.709E-01	1.989E-03	2.759E-06	3.319E-05
7.800E+03	8.691E-05	5.041E-10	3.501E-09	1.010E-06	1.239E-05	7.609E-01	1.427E-03	3.759E-06	4.519E-05
8.000E+03	1.179E-04	3.341E-10	2.311E-09	1.010E-06	1.054E-05	7.509E-01	1.037E-03	5.039E-06	6.119E-05
8.200E+03	1.611E-04	2.241E-10	1.541E-09	1.010E-06	9.041E-06	7.409E-01	7.427E-04	6.719E-06	8.219E-05
8.400E+03	2.191E-04	1.491E-10	1.021E-09	1.010E-06	7.791E-06	7.309E-01	5.379E-04	9.039E-06	1.111E-04
8.600E+03	2.971E-04	1.001E-10	6.811E-10	1.010E-06	6.741E-06	7.209E-01	3.919E-04	1.211E-05	1.511E-04
8.800E+03	4.011E-04	6.811E-11	4.511E-10	1.010E-06	5.841E-06	7.109E-01	2.819E-04	1.611E-05	2.111E-04
9.000E+03	5.391E-04	4.611E-11	3.011E-10	1.010E-06	5.041E-06	7.009E-01	2.019E-04	2.111E-05	2.811E-04
9.200E+03	7.211E-04	3.111E-11	2.011E-10	1.010E-06	4.341E-06	6.909E-01	1.419E-04	2.811E-05	3.811E-04
9.400E+03	9.611E-04	2.111E-11	1.311E-10	1.010E-06	3.741E-06	6.809E-01	1.019E-04	3.711E-05	5.111E-04
9.600E+03	1.291E-03	1.411E-11	8.811E-11	1.010E-06	3.241E-06	6.709E-01	7.419E-05	4.911E-05	6.611E-04
9.800E+03	1.751E-03	9.511E-12	5.911E-11	1.010E-06	2.841E-06	6.609E-01	5.419E-05	6.411E-05	8.611E-04
1.000E+04	2.391E-03	6.411E-12	4.011E-11	1.010E-06	2.541E-06	6.509E-01	3.919E-05	8.511E-05	1.141E-03
1.200E+04	3.311E-03	4.411E-12	2.711E-11	1.010E-06	2.241E-06	6.409E-01	2.819E-05	1.141E-04	1.541E-03
1.400E+04	4.511E-03	3.011E-12	1.811E-11	1.010E-06	1.941E-06	6.309E-01	2.019E-05	1.541E-04	2.041E-03
1.600E+04	6.111E-03	2.111E-12	1.211E-11	1.010E-06	1.741E-06	6.209E-01	1.419E-05	2.041E-04	2.741E-03
1.800E+04	8.111E-03	1.511E-12	8.211E-12	1.010E-06	1.541E-06	6.109E-01	1.019E-05	2.741E-04	3.641E-03
2.000E+04	1.091E-02	1.011E-12	5.611E-12	1.010E-06	1.341E-06	6.009E-01	7.419E-06	3.641E-04	4.841E-03
2.200E+04	1.471E-02	7.111E-13	3.811E-12	1.010E-06	1.141E-06	5.909E-01	5.419E-06	4.841E-04	6.441E-03
2.400E+04	1.991E-02	5.111E-13	2.611E-12	1.010E-06	1.041E-06	5.809E-01	3.919E-06	6.441E-04	8.641E-03
2.600E+04	2.711E-02	3.611E-13	1.811E-12	1.010E-06	9.411E-07	5.709E-01	2.819E-06	8.641E-04	1.154E-02
2.800E+04	3.611E-02	2.611E-13	1.211E-12	1.010E-06	8.411E-07	5.609E-01	2.019E-06	1.154E-02	1.554E-02
3.000E+04	4.811E-02	1.911E-13	8.211E-13	1.010E-06	7.411E-07	5.509E-01	1.419E-06	1.554E-02	2.054E-02
3.200E+04	6.411E-02	1.411E-13	5.611E-13	1.010E-06	6.411E-07	5.409E-01	1.019E-06	2.054E-02	2.754E-02
3.400E+04	8.611E-02	1.011E-13	3.911E-13	1.010E-06	5.411E-07	5.309E-01	7.419E-07	2.754E-02	3.654E-02
3.600E+04	1.151E-01	7.111E-14	2.711E-13	1.010E-06	4.411E-07	5.209E-01	5.419E-07	3.654E-02	4.854E-02
3.800E+04	1.551E-01	5.111E-14	1.911E-13	1.010E-06	3.411E-07	5.109E-01	3.919E-07	4.854E-02	6.454E-02
4.000E+04	2.091E-01	3.611E-14	1.311E-13	1.010E-06	2.411E-07	5.009E-01	2.819E-07	6.454E-02	8.654E-02
4.200E+04	2.811E-01	2.611E-14	9.211E-14	1.010E-06	1.411E-07	4.909E-01	2.019E-07	8.654E-02	1.154E-01
4.400E+04	3.711E-01	1.911E-14	6.511E-14	1.010E-06	1.041E-07	4.809E-01	1.419E-07	1.154E-01	1.554E-01
4.600E+04	4.911E-01	1.411E-14	4.611E-14	1.010E-06	7.411E-08	4.709E-01	1.019E-07	1.554E-01	2.054E-01
4.800E+04	6.511E-01	1.011E-14	3.211E-14	1.010E-06	5.411E-08	4.609E-01	7.419E-08	2.054E-01	2.754E-01
5.000E+04	8.611E-01	7.111E-15	2.211E-14	1.010E-06	3.411E-08	4.509E-01	5.419E-08	2.754E-01	3.654E-01
5.200E+04	1.151E-01	5.111E-15	1.511E-14	1.010E-06	2.411E-08	4.409E-01	3.919E-08	3.654E-01	4.854E-01
5.400E+04	1.551E-01	3.611E-15	1.011E-14	1.010E-06	1.411E-08	4.309E-01	2.819E-08	4.854E-01	6.454E-01
5.600E+04	2.091E-01	2.611E-15	7.111E-15	1.010E-06	1.041E-08	4.209E-01	2.019E-08	6.454E-01	8.654E-01
5.800E+04	2.811E-01	1.911E-15	5.111E-15	1.010E-06	7.411E-09	4.109E-01	1.419E-08	8.654E-01	1.154E-01
6.000E+04	3.711E-01	1.411E-15	3.611E-15	1.010E-06	5.411E-09	4.009E-01	1.019E-08	1.154E-01	1.554E-01
6.200E+04	4.911E-01	1.011E-15	2.611E-15	1.010E-06	3.411E-09	3.909E-01	7.419E-09	1.554E-01	2.054E-01
6.400E+04	6.511E-01	7.111E-16	1.911E-15	1.010E-06	2.411E-09	3.809E-01	5.419E-09	2.054E-01	2.754E-01
6.600E+04	8.611E-01	5.111E-16	1.311E-15	1.010E-06	1.411E-09	3.709E-01	3.919E-09	2.754E-01	3.654E-01
6.800E+04	1.151E-01	3.611E-16	9.211E-16	1.010E-06	1.041E-09	3.609E-01	2.819E-09	3.654E-01	4.854E-01
7.000E+04	1.551E-01	2.611E-16	6.511E-16	1.010E-06	7.411E-10	3.509E-01	2.019E-09	4.854E-01	6.454E-01
7.200E+04	2.091E-01	1.911E-16	4.611E-16	1.010E-06	5.411E-10	3.409E-01	1.419E-09	6.454E-01	8.654E-01
7.400E+04	2.811E-01	1.411E-16	3.211E-16	1.010E-06	3.411E-10	3.309E-01	1.019E-09	8.654E-01	1.154E-01
7.600E+04	3.711E-01	1.011E-16	2.211E-16	1.010E-06	2.411E-10	3.209E-01	7.419E-10	1.154E-01	1.554E-01
7.800E+04	4.911E-01	7.111E-17	1.511E-16	1.010E-06	1.411E-10	3.109E-01	5.419E-10	1.554E-01	2.054E-01
8.000E+04	6.511E-01	5.111E-17	1.011E-16	1.010E-06	1.041E-10	3.009E-01	3.919E-10	2.054E-01	2.754E-01
8.200E+04	8.611E-01	3.611E-17	7.111E-17	1.010E-06	7.411E-11	2.909E-01	2.819E-10	2.754E-01	3.654E-01
8.400E+04	1.151E-01	2.611E-17	5.111E-17	1.010E-06	5.411E-11	2.809E-01	2.019E-10	3.654E-01	4.854E-01
8.600E+04	1.551E-01	1.911E-17	3.611E-17	1.010E-06	3.411E-11	2.709E-01	1.419E-10	4.854E-01	6.454E-01
8.800E+04	2.091E-01	1.411E-17	2.611E-17	1.010E-06	2.411E-11	2.609E-01	1.019E-10	6.454E-01	8.654E-01
9.000E+04	2.811E-01	1.011E-17	1.911E-17	1.010E-06	1.411E-11	2.509E-01	7.419E-11	8.654E-01	1.154E-01
9.200E+04	3.711E-01	7.111E-18	1.311E-17	1.010E-06	1.041E-11	2.409E-01	5.419E-11	1.154E-01	1.554E-01
9.400E+04	4.911E-01	5.111E-18	9.211E-18	1.010E-06	7.411E-12	2.309E-01	3.919E-11	1.554E-01	2.054E-01
9.600E+04	6.511E-01	3.611E-18	6.511E-18	1.010E-06	5.411E-12	2.209E-01	2.819E-11	2.054E-01	2.754E-01
9.800E+04	8.611E-01	2.611E-18	4.611E-18	1.010E-06	3.411E-12	2.109E-01	2.019E-11	2.754E-01	3.654E-01
1.000E+05	1.151E-01	1.911E-18	3.211E-18	1.010E-06	2.411E-12	2.009E-01	1.419E-11	3.654E-01	4.854E-01
1.200E+05	1.551E-01	1.411E-18	2.211E-18	1.010E-06	1.411E-12	1.909E-01	1.019E-11	4.854E-01	6.454E-01
1.400E+05	2.091E-01	1.011E-18	1.511E-18	1.010E-06	1.041E-12	1.809E-01	7.419E-12	6.454E-01	8.654E-01
1.600E+05	2.811E-01	7.111E-19	1.011E-18	1.010E-06	7.411E-13	1.709E-01	5.419E-12	8.654E-01	1.154E-01
1.800E+05	3.711E-01	5.111E-19	7.111E-19	1.010E-06	5.411E-13	1.609E-01	3.919E-12	1.154E-01	1.554E-01
2.000E+05	4.911E-01	3.611E-19	5.111E-19	1.010E-06	3.411E-13	1.509E-01	2.819E-12	1.554E-01	2.054E-01
2.200E+05	6.511E-01	2.611E-19	3.611E-19	1.010E-06	2.411E-13	1.409E-01	2.019E-12	2.054E-01	2.754E-01
2.400E+05	8.611E-01	1.911E-19	2.611E-19	1.010E-06	1.411E-13	1.309E-01	1.419E-12	2.754E-01	3.654E-01
2.600E+05	1.151E-01	1.411E-19	1.911E-19	1.010E-06	1.041E-13	1.209E-01	1.019E-12	3.654E-01	4.854E-01
2.800E+05	1.551E-01	1.011E-19	1.311E-19	1.010E-06	7.411E-14	1.109E-01	7.419E-13	4.854E-01	6.454E-01
3.000E+05	2.091E-01	7.111E-20	9.211E-20	1.010E-06	5.411E-14	1.009E-01	5.419E-13	6.454E-01	8.654E-01
3.200E+05	2.811E-01	5.111E-20	6.511E-20	1.010E-06	3.411E-14	9.909E-02	3.919E-13	8.654E-01	1.154E-01
3.400E+05	3.711E-01	3.611E-20	4.611E-20	1.010E-06	2.411E-14	9.809E-02	2.819E-13	1.154E-01	1.554E-01
3.600E+05	4.911E-01	2.611E-							

TABLE II. - Continued

M	N	N2	N2*	N*	-	N**	N***	N****	T
1.178E-08	3.297E-03	1.618E-01	6.767E-09	1.448E-09	2.460E-11	0.	0.	0.	4.900E+03
1.609E-08	4.145E-03	1.578E-01	1.022E-08	2.647E-09	5.090E-11	0.	0.	0.	5.000E+03
2.041E-08	5.000E-03	1.538E-01	2.242E-08	3.320E-09	1.424E-10	0.	0.	0.	5.200E+03
4.713E-08	9.547E-03	1.402E-01	4.686E-08	2.423E-08	3.866E-10	0.	0.	0.	5.400E+03
7.429E-08	1.387E-02	1.412E-01	9.361E-08	6.570E-08	8.776E-10	0.	0.	0.	5.600E+03
1.123E-07	1.961E-02	1.361E-01	1.777E-07	1.667E-07	1.967E-09	0.	0.	0.	5.800E+03
1.634E-07	2.701E-02	1.306E-01	3.229E-07	3.922E-07	4.154E-09	3.176E-25	0.	0.	6.000E+03
2.188E-07	3.630E-02	1.243E-01	5.602E-07	6.924E-07	6.304E-09	3.633E-24	0.	0.	6.200E+03
3.195E-07	4.762E-02	1.172E-01	9.299E-07	1.097E-06	1.579E-08	3.073E-23	0.	0.	6.400E+03
4.305E-07	6.099E-02	1.091E-01	1.472E-06	1.825E-06	2.862E-08	2.200E-22	0.	0.	6.600E+03
5.642E-07	7.630E-02	9.998E-02	2.229E-06	2.736E-06	4.960E-08	1.412E-21	0.	0.	6.800E+03
7.305E-07	9.325E-02	9.001E-02	3.225E-06	4.141E-06	8.235E-08	8.061E-21	0.	0.	7.000E+03
9.341E-07	1.114E-01	7.946E-02	4.461E-06	2.342E-05	1.313E-07	4.128E-20	0.	0.	7.200E+03
1.180E-06	1.330E-01	6.868E-02	5.901E-06	3.915E-05	2.312E-07	1.909E-19	0.	0.	7.400E+03
1.468E-06	1.584E-01	5.804E-02	7.472E-06	6.260E-05	2.694E-07	8.335E-19	0.	0.	7.600E+03
1.792E-06	1.854E-01	4.799E-02	9.077E-06	9.493E-05	2.724E-07	3.398E-18	0.	0.	7.800E+03
2.172E-06	2.152E-01	3.867E-02	1.061E-05	1.444E-04	5.627E-07	1.102E-17	0.	0.	8.000E+03
2.607E-06	2.473E-01	3.091E-02	1.198E-05	2.061E-04	7.764E-07	3.637E-17	0.	0.	8.200E+03
3.100E-06	2.808E-01	2.423E-02	1.312E-05	2.915E-04	1.012E-06	1.122E-16	0.	0.	8.400E+03
3.655E-06	3.161E-01	1.878E-02	1.401E-05	3.479E-04	1.264E-06	3.257E-16	0.	0.	8.600E+03
4.275E-06	3.531E-01	1.465E-02	1.467E-05	5.312E-04	1.596E-06	8.941E-16	0.	0.	8.800E+03
4.963E-06	3.914E-01	1.108E-02	1.511E-05	6.756E-04	1.947E-06	2.334E-15	0.	0.	9.000E+03
5.720E-06	4.313E-01	8.488E-03	1.537E-05	8.959E-04	2.338E-06	5.818E-15	0.	0.	9.200E+03
6.544E-06	4.736E-01	6.513E-03	1.549E-05	1.177E-03	2.770E-06	1.391E-14	0.	0.	9.400E+03
7.448E-06	5.184E-01	5.013E-03	1.550E-05	1.425E-03	3.244E-06	3.201E-14	0.	0.	9.600E+03
8.419E-06	5.658E-01	3.875E-03	1.542E-05	1.765E-03	3.759E-06	7.109E-14	0.	0.	9.800E+03
9.460E-06	6.160E-01	3.101E-03	1.528E-05	2.164E-03	4.314E-06	1.528E-13	0.	0.	1.000E+04
1.057E-05	6.694E-01	2.389E-03	1.405E-05	2.680E-03	4.977E-06	4.551E-13	0.	0.	1.100E+04
1.188E-05	7.259E-01	1.591E-03	1.277E-05	3.344E-03	5.711E-06	7.638E-13	0.	0.	1.200E+04
1.335E-05	7.856E-01	8.211E-04	1.043E-05	4.167E-03	6.526E-06	8.780E-13	1.273E-24	0.	1.300E+04
1.498E-05	8.484E-01	4.667E-04	8.313E-06	5.234E-03	7.437E-06	4.627E-09	1.530E-22	0.	1.400E+04
1.679E-05	9.144E-01	1.803E-04	6.188E-06	6.777E-03	8.456E-06	4.076E-08	1.003E-20	0.	1.500E+04
1.878E-05	9.836E-01	6.495E-05	4.256E-06	8.447E-03	9.622E-06	1.942E-07	4.037E-19	0.	1.600E+04
2.095E-05	1.056E-01	2.549E-05	2.696E-06	1.100E-02	1.104E-05	7.673E-07	1.092E-17	0.	1.700E+04
2.330E-05	1.132E-01	8.667E-05	1.583E-06	1.441E-02	1.261E-05	2.599E-06	2.133E-16	0.	1.800E+04
2.584E-05	1.211E-01	2.998E-05	8.771E-07	1.854E-02	1.434E-05	7.752E-06	3.177E-15	0.	1.900E+04
2.857E-05	1.293E-01	1.061E-05	4.701E-07	2.342E-02	1.626E-05	2.084E-05	3.763E-14	0.	2.000E+04
3.149E-05	1.378E-01	3.367E-06	2.492E-07	2.911E-02	1.831E-05	3.391E-06	5.142E-13	0.	2.100E+04
3.460E-05	1.466E-01	1.185E-06	1.331E-07	3.641E-02	2.051E-05	1.179E-06	2.990E-12	0.	2.200E+04
3.791E-05	1.557E-01	4.337E-07	7.257E-08	4.441E-02	2.284E-05	2.538E-06	2.091E-11	0.	2.300E+04
4.142E-05	1.651E-01	1.670E-07	4.057E-08	5.311E-02	2.529E-05	5.161E-06	1.270E-10	0.	2.400E+04
4.513E-05	1.748E-01	6.761E-08	2.328E-08	6.241E-02	2.784E-05	9.963E-06	6.788E-10	0.	2.500E+04
4.904E-05	1.848E-01	2.868E-08	1.368E-08	7.220E-02	3.053E-05	1.812E-05	3.223E-09	0.	2.600E+04
5.315E-05	1.951E-01	1.267E-08	8.193E-09	8.240E-02	3.346E-05	3.218E-05	1.372E-08	0.	2.700E+04
5.746E-05	2.057E-01	5.779E-09	4.970E-09	9.291E-02	3.654E-05	5.401E-05	5.270E-08	0.	2.800E+04
6.197E-05	2.166E-01	2.647E-09	3.024E-09	1.030E-01	3.977E-05	8.665E-05	1.875E-07	0.	2.900E+04
6.668E-05	2.277E-01	1.274E-09	1.836E-09	1.130E-01	4.321E-05	1.327E-04	5.815E-07	0.	3.000E+04
7.159E-05	2.390E-01	6.025E-10	1.099E-09	1.230E-01	4.686E-05	1.939E-04	1.401E-06	0.	3.100E+04
7.670E-05	2.505E-01	2.826E-10	6.424E-10	1.320E-01	5.072E-05	2.898E-04	4.463E-06	0.	3.200E+04
8.191E-05	2.632E-01	1.304E-10	3.653E-10	1.400E-01	5.473E-05	3.978E-04	1.080E-05	0.	3.300E+04
8.732E-05	2.761E-01	5.888E-11	2.010E-10	1.470E-01	5.884E-05	5.287E-04	2.421E-05	3.105E-17	3.400E+04
9.293E-05	2.892E-01	3.602E-11	1.072E-10	1.540E-01	6.305E-05	6.900E-04	5.046E-05	1.425E-11	3.500E+04
9.874E-05	3.025E-01	1.277E-11	5.595E-11	1.610E-01	6.736E-05	8.807E-04	9.848E-05	5.949E-11	3.600E+04
1.047E-04	3.160E-01	4.611E-11	2.820E-11	1.670E-01	7.176E-05	1.104E-03	1.814E-04	2.238E-10	3.700E+04
1.112E-04	3.297E-01	2.037E-11	1.410E-11	1.730E-01	7.625E-05	1.351E-03	3.179E-04	7.727E-10	3.800E+04
1.179E-04	3.436E-01	8.988E-12	6.988E-12	1.780E-01	8.084E-05	1.616E-03	5.333E-04	2.472E-09	3.900E+04
1.248E-04	3.577E-01	3.647E-12	3.647E-12	1.830E-01	8.553E-05	1.891E-03	8.619E-04	7.931E-09	4.000E+04
1.318E-04	3.720E-01	1.547E-12	1.715E-12	1.870E-01	9.032E-05	2.184E-03	1.346E-03	2.074E-08	4.100E+04
1.389E-04	3.864E-01	6.597E-13	8.597E-13	1.910E-01	9.521E-05	2.494E-03	2.043E-03	5.307E-08	4.200E+04
1.461E-04	4.010E-01	2.924E-13	4.303E-13	1.940E-01	1.001E-04	2.816E-03	3.017E-03	1.389E-07	4.300E+04
1.534E-04	4.158E-01	1.293E-13	2.181E-13	1.970E-01	1.050E-04	3.160E-03	4.347E-03	3.337E-07	4.400E+04
1.608E-04	4.308E-01	5.785E-14	1.115E-13	1.990E-01	1.100E-04	3.524E-03	6.114E-03	7.6451E-07	4.500E+04
1.683E-04	4.459E-01	2.618E-14	5.730E-14	2.010E-01	1.150E-04	3.907E-03	8.407E-03	1.684E-06	4.600E+04
1.759E-04	4.611E-01	1.193E-14	2.959E-14	2.030E-01	1.200E-04	4.309E-03	1.128E-02	3.547E-06	4.700E+04
1.836E-04	4.764E-01	5.461E-15	1.530E-14	2.050E-01	1.250E-04	4.729E-03	1.481E-02	7.146E-06	4.800E+04
1.914E-04	4.918E-01	2.515E-15	7.904E-15	2.070E-01	1.300E-04	5.166E-03	1.899E-02	1.380E-05	4.900E+04
2.093E-04	5.073E-01	1.157E-15	4.071E-15	2.090E-01	1.350E-04	5.619E-03	2.379E-02	2.593E-05	5.000E+04

W/P/O = 1.236+01

M	N	N2	N2*	N*	-	N**	N***	N****	T
0.	3.	1.461E-01	5.726E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.204E-01	6.086E-21	0.	0.	0.	0.	0.	6.000E+02
0.	2.51E-04	2.64E-01	1.104E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.64E-04	2.76E-01	1.646E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.367E-04	2.92E-01	1.737E-20	0.	0.	0.	0.	0.	9.000E+02
0.	6.240E-04	2.96E-01	1.955E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.470E-04	2.668E-01	2.047E-20	0.	0.	0.	0.	0.	1.100E+03
0.	6.079E-04	2.699E-01	2.138E-20	0.	0.	0.	0.	0.	1.200E+03

TABLE II. - Continued

T	F	NH3	NH2	NH	N2H2	H	H2	H2+	H+
1.300E+03	0.	3.410E-04	1.198E-09	7.637E-13	6.401E-15	2.764E-07	7.497E-01	5.411E-19	2.896E-19
1.400E+03	0.	2.464E-04	3.487E-09	2.326E-12	2.510E-14	1.215E-06	7.490E-01	4.063E-19	3.049E-19
1.500E+03	0.	1.771E-04	8.793E-09	1.543E-11	8.232E-14	4.397E-06	7.499E-01	4.327E-19	3.992E-19
1.600E+03	1.332E-29	1.329E-04	1.975E-08	8.064E-13	1.336E-13	1.350E-05	7.499E-01	3.872E-19	4.458E-19
1.700E+03	1.268E-26	1.033E-04	4.032E-08	3.449E-10	5.870E-13	3.679E-05	7.499E-01	3.473E-19	4.065E-19
1.800E+03	5.734E-24	8.268E-04	7.603E-08	1.269E-09	1.236E-12	8.939E-05	7.499E-01	3.132E-19	5.218E-19
1.900E+03	1.377E-21	6.784E-05	1.341E-07	4.050E-09	2.795E-12	1.981E-04	7.499E-01	2.842E-19	5.531E-19
2.000E+03	1.638E-19	5.686E-05	2.235E-07	1.151E-08	5.442E-12	4.059E-04	7.499E-01	3.082E-19	6.896E-19
2.100E+03	3.441E-18	4.851E-05	3.547E-07	2.962E-08	9.962E-12	7.774E-04	7.499E-01	1.195E-18	3.035E-18
2.200E+03	2.926E-17	4.202E-05	5.396E-07	6.992E-08	1.728E-11	1.405E-03	7.499E-01	7.723E-18	2.201E-17
2.300E+03	1.922E-16	3.687E-05	7.910E-07	1.532E-07	2.861E-11	2.412E-03	7.499E-01	4.585E-17	1.451E-16
2.400E+03	1.073E-15	3.270E-05	1.122E-06	3.141E-07	4.546E-11	3.960E-03	7.499E-01	2.372E-16	8.267E-16
2.500E+03	5.226E-15	2.926E-05	1.547E-06	6.080E-07	6.953E-11	6.250E-03	7.499E-01	1.079E-15	4.109E-15
2.600E+03	2.258E-14	2.637E-05	2.076E-06	1.117E-06	1.029E-10	9.523E-03	7.499E-01	4.371E-15	1.800E-14
2.700E+03	8.773E-14	2.390E-05	2.721E-06	1.961E-06	1.477E-10	1.404E-02	7.377E-01	1.598E-14	7.142E-14
2.800E+03	3.048E-13	2.174E-05	3.488E-06	3.301E-06	2.062E-10	2.017E-02	7.253E-01	5.327E-14	2.559E-13
2.900E+03	1.004E-12	1.983E-05	4.380E-06	5.350E-06	2.805E-10	2.817E-02	7.163E-01	1.633E-13	8.405E-13
3.000E+03	3.010E-12	1.810E-05	5.395E-06	8.377E-06	3.752E-10	3.849E-02	7.050E-01	4.645E-13	2.552E-12
3.100E+03	8.415E-12	1.651E-05	6.523E-06	1.271E-05	4.825E-10	5.140E-02	6.911E-01	1.233E-12	7.216E-12
3.200E+03	2.206E-11	1.503E-05	7.747E-06	1.872E-05	6.117E-10	6.727E-02	6.744E-01	3.071E-11	1.911E-11
3.300E+03	5.455E-11	1.363E-05	9.043E-06	2.642E-05	7.597E-10	8.639E-02	6.594E-01	7.221E-12	4.773E-11
3.400E+03	1.279E-10	1.230E-05	1.036E-05	3.747E-05	9.213E-10	1.090E-01	6.546E-01	1.609E-11	1.127E-10
3.500E+03	2.951E-10	1.103E-05	1.171E-05	5.109E-05	1.096E-09	1.352E-01	6.317E-01	3.409E-11	2.540E-10
3.600E+03	6.075E-10	9.815E-06	1.299E-05	6.810E-05	1.277E-09	1.650E-01	6.056E-01	6.895E-11	5.458E-10
3.700E+03	1.241E-09	8.454E-06	1.417E-05	8.981E-05	1.457E-09	1.963E-01	5.764E-01	1.335E-10	1.124E-09
3.800E+03	2.437E-09	7.553E-06	1.521E-05	1.135E-04	1.631E-09	2.349E-01	5.444E-01	2.479E-10	2.224E-09
3.900E+03	4.616E-09	6.519E-06	1.606E-05	1.422E-04	1.785E-09	2.743E-01	5.099E-01	4.427E-10	4.242E-09
4.000E+03	8.444E-09	5.560E-06	1.688E-05	1.744E-04	1.925E-09	3.159E-01	4.734E-01	7.620E-10	7.817E-09
4.100E+03	1.498E-08	4.683E-06	1.704E-05	2.112E-04	2.033E-09	3.591E-01	4.355E-01	1.264E-09	1.393E-08
4.200E+03	2.577E-08	3.895E-06	1.714E-05	2.509E-04	2.109E-09	4.032E-01	3.949E-01	2.036E-09	2.414E-08
4.300E+03	4.314E-08	3.198E-06	1.699E-05	2.933E-04	2.150E-09	4.471E-01	3.584E-01	3.172E-09	4.063E-08
4.400E+03	7.334E-08	2.593E-06	1.660E-05	3.380E-04	2.157E-09	4.902E-01	3.206E-01	4.796E-09	6.659E-08
4.500E+03	1.119E-07	2.078E-06	1.600E-05	3.842E-04	2.131E-09	5.315E-01	2.843E-01	7.052E-09	1.065E-07
4.600E+03	1.741E-07	1.648E-06	1.523E-05	4.313E-04	2.079E-09	5.705E-01	2.500E-01	1.010E-08	1.663E-07
4.700E+03	2.651E-07	1.294E-06	1.434E-05	4.788E-04	2.002E-09	6.067E-01	2.182E-01	1.412E-08	2.541E-07
4.800E+03	3.958E-07	1.008E-06	1.337E-05	5.260E-04	1.911E-09	6.395E-01	1.892E-01	1.930E-08	3.805E-07
4.900E+03	5.802E-07	7.804E-07	1.236E-05	5.727E-04	1.807E-09	6.690E-01	1.632E-01	2.583E-08	5.591E-07
5.000E+03	8.359E-07	6.013E-07	1.135E-05	6.185E-04	1.696E-09	6.950E-01	1.401E-01	3.394E-08	8.071E-07
5.100E+03	1.656E-06	3.541E-07	9.426E-06	7.064E-04	1.470E-09	7.372E-01	1.024E-01	5.570E-08	1.603E-06
5.200E+03	3.107E-06	2.082E-07	7.718E-06	7.895E-04	1.254E-09	7.678E-01	7.446E-02	8.442E-08	3.008E-06
5.300E+03	5.359E-06	1.232E-07	6.273E-06	8.663E-04	1.060E-09	7.892E-01	5.424E-02	1.280E-07	5.370E-06
5.400E+03	9.545E-06	7.378E-08	5.082E-06	9.365E-04	8.904E-10	8.034E-01	3.976E-02	1.824E-07	9.180E-06
5.500E+03	1.581E-05	4.480E-08	4.115E-06	9.990E-04	7.436E-10	8.123E-01	2.940E-02	2.523E-07	1.510E-05
5.600E+03	2.535E-05	2.761E-08	3.331E-06	1.053E-03	6.175E-10	8.171E-01	2.197E-02	3.391E-07	2.400E-05
5.700E+03	3.952E-05	1.725E-08	2.696E-06	1.096E-03	5.092E-10	8.187E-01	1.659E-02	4.450E-07	3.897E-05
5.800E+03	6.007E-05	1.091E-08	2.181E-06	1.128E-03	4.163E-10	8.177E-01	1.267E-02	5.717E-07	5.538E-05
5.900E+03	8.922E-05	6.974E-09	1.760E-06	1.146E-03	3.367E-10	8.148E-01	9.776E-03	7.204E-07	8.084E-05
7.000E+03	1.298E-04	4.497E-09	1.417E-06	1.149E-03	2.889E-10	8.103E-01	7.621E-03	8.925E-07	1.153E-04
7.200E+03	1.652E-04	2.921E-09	1.137E-06	1.138E-03	2.116E-10	8.046E-01	6.000E-03	1.089E-06	1.609E-04
7.400E+03	2.597E-04	1.909E-09	9.078E-07	1.112E-03	1.640E-10	7.981E-01	4.771E-03	1.311E-06	2.204E-04
7.600E+03	3.581E-04	1.254E-09	7.218E-07	1.072E-03	1.250E-10	7.913E-01	3.831E-03	1.561E-06	2.967E-04
7.800E+03	4.865E-04	8.286E-10	5.715E-07	1.021E-03	9.372E-11	7.844E-01	3.107E-03	1.841E-06	3.934E-04
8.000E+03	6.513E-04	5.506E-10	4.510E-07	9.612E-04	6.924E-11	7.778E-01	2.545E-03	2.155E-06	5.146E-04
8.200E+03	8.602E-04	3.683E-10	3.550E-07	8.954E-04	5.051E-11	7.718E-01	2.106E-03	2.506E-06	6.851E-04
8.400E+03	1.122E-03	2.482E-10	2.793E-07	8.271E-04	3.648E-11	7.665E-01	1.759E-03	2.899E-06	8.305E-04
8.600E+03	1.445E-03	1.687E-10	2.198E-07	7.569E-04	2.617E-11	7.620E-01	1.484E-03	3.380E-06	1.077E-03
8.800E+03	1.841E-03	1.158E-10	1.733E-07	6.929E-04	1.871E-11	7.581E-01	1.262E-03	3.827E-06	1.351E-03
9.000E+03	2.321E-03	8.027E-11	1.371E-07	6.307E-04	1.337E-11	7.548E-01	1.082E-03	4.371E-06	1.681E-03
9.200E+03	2.897E-03	5.623E-11	1.089E-07	5.731E-04	9.575E-12	7.519E-01	9.380E-04	4.971E-06	2.075E-03
9.400E+03	3.583E-03	3.980E-11	8.687E-08	5.204E-04	6.883E-12	7.494E-01	8.127E-04	5.631E-06	2.541E-03
9.600E+03	4.393E-03	2.847E-11	6.967E-08	4.727E-04	4.974E-12	7.471E-01	7.107E-04	6.351E-06	3.089E-03
9.800E+03	5.343E-03	2.057E-11	5.616E-08	4.297E-04	3.617E-12	7.448E-01	6.248E-04	7.136E-06	3.728E-03
1.000E+04	6.448E-03	1.500E-11	4.551E-08	3.911E-04	2.648E-12	7.426E-01	5.519E-04	7.984E-06	4.469E-03
1.100E+04	7.492E-02	3.517E-12	1.709E-08	2.966E-04	1.647E-13	7.291E-01	3.133E-04	1.317E-05	1.009E-02
1.200E+04	3.000E-02	9.847E-13	7.018E-09	1.838E-04	1.632E-13	7.075E-01	1.889E-04	1.974E-05	1.999E-02
1.300E+04	5.384E-02	2.885E-13	3.014E-09	1.082E-04	4.664E-14	6.739E-01	1.170E-04	2.707E-05	3.556E-02
1.400E+04	8.762E-02	8.832E-14	1.257E-09	7.017E-05	1.350E-14	6.261E-01	7.243E-05	3.402E-05	5.794E-02
1.500E+04	1.318E-01	2.623E-14	5.387E-10	4.347E-05	3.749E-15	5.637E-01	4.377E-05	3.919E-05	8.731E-02
1.600E+04	1.836E-01	7.233E-15	2.093E-10	2.560E-05	4.562E-16	4.894E-01	2.533E-05	4.311E-05	1.220E-01
1.700E+04	2.392E-01	1.797E-15	7.453E-11	1.398E-05	2.177E-16	4.082E-01	1.385E-05	3.982E-05	1.673E-01
1.800E+04	2.938E-01	3.970E-16	2.414E-11	7.085E-06	4.343E-17	3.270E-01	7.105E-06	3.516E-05	2.025E-01
1.900E+04	3.427E-01	7.864E-17	7.173E-12	3.364E-06	4.713E-18	2.526E-01	3.430E-06	2.866E-05	2.402E-01
2.000E+04	3.833E-01	1.435E-17	1.999E-12	1.522E-06	1.323E-18	1.896E-01	1.577E-06	2.183E-05	2.728E-01
2.100E+04	4.148E-01	2.508E-18	5.391E-13	6.714E-07	2.138E-19	1.398E-01	7.028E-07	1.382E-05	2.990E-01
2.200E+04	4.381E-01	4.367E-19	1.450E-13	2.950E-07	3.479E-20	1.025E-01	3.098E-07	1.110E-05	3.189E-01
2.300E+04	4.549E-01	7.837E-20	3.988E-14	1.313E-07	5.892E-21	7.532E-02	1.375E-07	7.669E-06	3.335E-01
2.400E+04	4.648E-01	1.483E-20	1.142E-14	5.992E-08	1.061E-21	5.596E-02	6.227E-08	5.279E-06	3.439E-01
2.500E+04	4.753E-01	2.993E-21	3.434E-15	2.818E-08	2.051E-22	4.220E-02	2.900E-08	3.631E-06	3.513E-01
2.600E+04	4.816E-01	6.518E-22	1.089E-15	1.369E-08	4.274E-23	3.239E-02	1.393E-08	2.531E-06	3.546E-01
2.700E+04	4.864E-01	1.522E-22	3.644E-16	6.867E-09	9.574E-24	2.532E-02	6.947E-09	1.805E-06	3.598E-01
2.800E+04	4.905E-01	3.809E-23	1.281E-16	3.545E-09	2.290E-24	2.014E-02	3.579E-09	1.294E-06	3.620E-01
2.900E+04	4.942E-01	1.015E-23	4.707E-17	1.875E-09	5.779E-25	1.631E-02	1.906E-09	9.414E-07	3.631E-01
3.000E+04	4.979E-01	2.858E-24	1.798E-17	1.012E-09	1.536E-25	1.342E-02	1.088E-09	6.938E-07	3.631E-01
3.100E+04	5.019E-01	6.443E-25	7.088E-18	5.335E-10	4.213E-26	1.120E-02	5.931E-10	5.178E-07	3.623E-01
3.200E+04	5.064E-01	2.596E-25	2.863E-18	3.					

TABLE II.- Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	2.413E-17	2.499E-01	2.123E-20	2.414E-32	0.	0.	0.	0.	1.300E+03
0.	5.675E-16	2.499E-01	2.063E-20	3.040E-31	0.	0.	0.	0.	1.400E+03
0.	8.777E-15	2.500E-01	1.975E-20	2.517E-30	0.	0.	0.	0.	1.500E+03
0.	9.656E-14	2.500E-01	1.874E-20	1.577E-29	0.	0.	0.	0.	1.600E+03
0.	8.023E-13	2.500E-01	1.768E-20	7.879E-29	0.	0.	0.	0.	1.700E+03
4.177E-27	5.275E-12	2.500E-01	1.664E-20	3.265E-28	0.	0.	0.	0.	1.800E+03
1.517E-24	2.864E-11	2.500E-01	1.548E-20	1.159E-27	0.	0.	0.	0.	1.900E+03
2.519E-22	1.330E-10	2.499E-01	1.757E-20	4.290E-27	0.	0.	0.	0.	2.000E+03
7.457E-21	5.139E-10	2.499E-01	7.015E-20	5.050E-26	1.478E-28	0.	0.	0.	2.100E+03
8.441E-20	1.794E-09	2.498E-01	4.654E-19	8.954E-25	4.067E-27	0.	0.	0.	2.200E+03
7.207E-19	5.621E-09	2.497E-01	2.818E-18	1.336E-23	7.770E-26	0.	0.	0.	2.300E+03
5.076E-18	1.602E-08	2.495E-01	1.492E-17	1.609E-22	1.149E-24	0.	0.	0.	2.400E+03
3.050E-17	4.199E-08	2.492E-01	6.911E-17	1.593E-21	1.347E-23	0.	0.	0.	2.500E+03
1.593E-16	1.022E-07	2.488E-01	2.868E-16	1.325E-20	1.342E-22	0.	0.	0.	2.600E+03
7.349E-16	2.531E-07	2.482E-01	1.045E-15	9.434E-20	1.110E-21	0.	0.	0.	2.700E+03
3.031E-15	5.008E-07	2.475E-01	3.614E-15	5.850E-19	7.883E-21	0.	0.	0.	2.800E+03
1.131E-14	1.121E-06	2.465E-01	1.130E-14	3.203E-18	4.880E-20	0.	0.	0.	2.900E+03
3.849E-14	1.983E-06	2.452E-01	3.275E-14	1.569E-17	2.668E-19	0.	0.	0.	3.000E+03
1.204E-13	3.689E-06	2.436E-01	8.919E-14	6.945E-17	1.304E-18	0.	0.	0.	3.100E+03
3.449E-13	6.798E-06	2.416E-01	2.274E-13	2.806E-16	5.755E-18	0.	0.	0.	3.200E+03
9.487E-13	1.138E-05	2.392E-01	5.404E-13	1.044E-15	2.313E-17	0.	0.	0.	3.300E+03
2.409E-12	1.899E-05	2.363E-01	1.257E-12	3.599E-15	8.536E-17	0.	0.	0.	3.400E+03
5.764E-12	1.375E-05	2.331E-01	2.749E-12	1.150E-14	2.912E-16	0.	0.	0.	3.500E+03
1.304E-11	4.400E-05	2.293E-01	5.760E-12	3.499E-14	9.237E-16	0.	0.	0.	3.600E+03
2.802E-11	7.425E-05	2.251E-01	1.161E-11	9.679E-14	2.741E-15	0.	0.	0.	3.700E+03
5.733E-11	1.122E-04	2.205E-01	2.254E-11	2.898E-13	7.642E-15	0.	0.	0.	3.800E+03
1.121E-10	1.629E-04	2.155E-01	4.242E-11	6.949E-13	2.012E-14	0.	0.	0.	3.900E+03
2.098E-10	2.339E-04	2.103E-01	7.738E-11	1.711E-12	5.020E-14	0.	0.	0.	4.000E+03
3.771E-10	3.295E-04	2.048E-01	1.373E-10	4.042E-12	1.192E-13	0.	0.	0.	4.100E+03
6.522E-10	4.562E-04	1.992E-01	2.374E-10	9.192E-12	2.701E-13	0.	0.	0.	4.200E+03
1.088E-09	6.215E-04	1.936E-01	4.113E-10	2.018E-11	5.864E-13	0.	0.	0.	4.300E+03
1.754E-09	8.344E-04	1.880E-01	6.641E-10	4.209E-11	1.223E-12	0.	0.	0.	4.400E+03
2.739E-09	1.125E-03	1.827E-01	1.078E-09	8.847E-11	2.454E-12	0.	0.	0.	4.500E+03
4.151E-09	1.446E-03	1.776E-01	1.776E-09	1.775E-10	4.775E-12	0.	0.	0.	4.600E+03
6.119E-09	1.871E-03	1.728E-01	2.700E-09	3.469E-10	8.979E-12	0.	0.	0.	4.700E+03
8.792E-09	2.395E-03	1.683E-01	4.178E-09	6.616E-10	1.645E-11	0.	0.	0.	4.800E+03
1.234E-08	3.030E-03	1.642E-01	6.371E-09	1.233E-09	2.925E-11	0.	0.	0.	4.900E+03
1.695E-08	3.814E-03	1.604E-01	9.591E-09	2.250E-09	5.070E-11	0.	0.	0.	5.000E+03
2.322E-08	5.873E-03	1.538E-01	2.095E-08	7.047E-09	1.421E-10	0.	0.	0.	5.200E+03
3.051E-08	8.772E-03	1.431E-01	4.363E-08	2.046E-08	3.665E-10	0.	0.	0.	5.400E+03
4.008E-08	1.274E-02	1.430E-01	8.678E-08	5.537E-08	8.746E-10	0.	0.	0.	5.600E+03
1.216E-07	1.831E-02	1.378E-01	1.650E-07	1.403E-07	1.972E-09	0.	0.	0.	5.800E+03
1.779E-07	2.484E-02	1.324E-01	2.998E-07	3.344E-07	4.172E-09	2.909E-25	0.	0.	6.000E+03
2.524E-07	3.342E-02	1.264E-01	5.214E-07	7.520E-07	6.358E-09	2.801E-24	0.	0.	6.200E+03
3.486E-07	4.392E-02	1.197E-01	8.676E-07	1.601E-06	1.592E-08	2.335E-23	0.	0.	6.400E+03
4.703E-07	5.690E-02	1.119E-01	1.382E-06	3.236E-06	2.894E-08	1.703E-22	0.	0.	6.600E+03
6.215E-07	7.080E-02	1.033E-01	2.107E-06	6.227E-06	5.032E-08	1.096E-21	0.	0.	6.800E+03
8.063E-07	8.689E-02	9.377E-02	3.074E-06	1.143E-05	8.389E-08	6.245E-21	0.	0.	7.000E+03
1.029E-06	1.063E-01	8.360E-02	4.294E-06	2.006E-05	1.344E-07	3.234E-20	0.	0.	7.200E+03
1.293E-06	1.224E-01	7.336E-02	5.744E-06	2.373E-05	2.070E-07	1.505E-19	0.	0.	7.400E+03
1.604E-06	1.430E-01	6.253E-02	7.385E-06	3.444E-05	3.375E-07	6.373E-19	0.	0.	7.600E+03
1.966E-06	1.581E-01	5.239E-02	9.066E-06	4.858E-05	4.410E-07	2.475E-18	0.	0.	7.800E+03
2.383E-06	1.743E-01	4.301E-02	1.074E-05	1.286E-04	6.117E-07	8.850E-18	0.	0.	8.000E+03
2.860E-06	1.898E-01	3.468E-02	1.229E-05	1.800E-04	8.230E-07	2.940E-17	0.	0.	8.200E+03
3.400E-06	2.011E-01	2.750E-02	1.361E-05	2.592E-04	1.077E-06	9.123E-17	0.	0.	8.400E+03
4.008E-06	2.114E-01	2.155E-02	1.470E-05	3.556E-04	1.374E-06	2.661E-16	0.	0.	8.600E+03
4.688E-06	2.195E-01	1.674E-02	1.552E-05	4.789E-04	1.715E-06	7.335E-16	0.	0.	8.800E+03
5.443E-06	2.259E-01	1.293E-02	1.611E-05	6.286E-04	2.101E-06	1.921E-15	0.	0.	9.000E+03
6.273E-06	2.308E-01	9.472E-03	1.649E-05	8.096E-04	2.533E-06	4.803E-15	0.	0.	9.200E+03
7.182E-06	2.344E-01	7.690E-03	1.670E-05	1.030E-03	3.009E-06	1.151E-14	0.	0.	9.400E+03
8.170E-06	2.373E-01	5.944E-03	1.678E-05	1.293E-03	3.532E-06	2.652E-14	0.	0.	9.600E+03
9.237E-06	2.398E-01	4.610E-03	1.675E-05	1.604E-03	4.101E-06	5.898E-14	0.	0.	9.800E+03
1.038E-05	2.399E-01	3.591E-03	1.664E-05	1.969E-03	4.715E-06	1.269E-13	0.	0.	1.000E+04
1.161E-05	2.394E-01	2.113E-03	1.643E-05	2.429E-03	5.437E-06	3.824E-12	0.	0.	1.100E+04
2.524E-05	2.317E-01	3.468E-04	1.369E-05	1.002E-02	2.294E-05	6.536E-11	0.	0.	1.200E+04
3.339E-05	2.179E-01	1.478E-04	1.105E-05	1.827E-02	1.748E-05	7.244E-10	9.644E-25	0.	1.300E+04
4.402E-05	1.980E-01	5.876E-05	9.426E-06	2.989E-02	2.099E-05	5.707E-09	1.157E-22	0.	1.400E+04
4.355E-05	1.725E-01	2.358E-05	7.159E-06	4.449E-02	2.251E-05	3.414E-08	7.594E-21	0.	1.500E+04
4.305E-05	1.433E-01	9.287E-06	5.054E-06	6.080E-02	1.630E-05	1.630E-07	3.027E-19	0.	1.600E+04
3.870E-05	1.132E-01	3.524E-06	3.301E-06	7.700E-02	1.460E-05	4.440E-07	8.144E-18	0.	1.700E+04
3.178E-05	8.526E-02	1.242E-06	2.004E-06	9.129E-02	1.452E-05	2.192E-06	1.579E-16	0.	1.800E+04
2.440E-05	6.181E-02	4.536E-07	1.146E-06	1.025E-01	1.043E-05	6.547E-06	2.331E-15	0.	1.900E+04
1.708E-05	4.364E-02	1.559E-07	6.302E-07	1.105E-01	7.050E-06	1.760E-05	2.736E-14	0.	2.000E+04
1.157E-05	3.055E-02	5.428E-08	3.411E-07	1.157E-01	4.584E-06	4.336E-05	2.636E-13	0.	2.100E+04
7.619E-06	2.140E-02	1.940E-08	1.651E-07	1.190E-01	2.931E-06	9.932E-05	2.138E-12	0.	2.200E+04
4.959E-06	1.519E-02	7.212E-09	1.020E-07	1.209E-01	1.870E-06	2.134E-04	1.484E-11	0.	2.300E+04
3.230E-06	1.090E-02	2.808E-09	5.746E-08	1.220E-01	1.202E-06	4.334E-04	8.985E-11	0.	2.400E+04
2.123E-06	7.977E-03	1.147E-09	3.317E-08	1.224E-01	7.840E-07	8.362E-04	4.787E-10	0.	2.500E+04
1.416E-06	5.944E-03	4.901E-10	1.960E-08	1.221E-01	5.197E-07	1.538E-03	2.270E-09	0.	2.600E+04
9.610E-07	4.500E-03	2.181E-10	1.822E-08	1.212E-01	3.503E-07	2.705E-03	9.665E-09	0.	2.700E+04
6.652E-07	3.452E-03	1.003E-10	7.226E-09	1.194E-01	2.396E-07	4.554E-03	3.721E-08	0.	2.800E+04
4.701E-07	2.671E-03	4.733E-11	4.450E-09	1.164E-01	1.659E-07	7.342E-03	1.302E-07	0.	2.900E+04
3.393E-07	2.077E-03	2.267E-11	2.738E-09	1.121E-01	1.158E-07	1.133E-02	4.154E-07	0.	3.000E+04
2.502E-07	1.613E-03	1.092E-11	1.666E-09	1.062E-01	8.109E-08	1.670E-02	1.213E-06	0.	3.100E+04
1.884E-07	1.249E-03	5.235E-12	9.978E-10	9.862E-02	5.677E-08	2.352E-02	3.247E-06	0.	3.200E+04
1.448E-07	9.284E-04	2.479E-12	5.822E-10	8.959E-02	3.955E-08	3.163E-02	7.998E-06	0.	3.300E+04
1.134E-07	7.246E-04	1.173E-12	3.299E-10	7.951E-02	2.734E-08	4.063E-02	1.821E-05	1.958E-12	3.400E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	5.217E-01	8.997E-27	2.084E-19	5.180E-11	2.746E-28	6.128E-03	7.875E-11	1.797E-07	3.524E-01
3.600E+04	5.268E-01	3.072E-27	6.915E-20	2.864E-11	7.061E-29	5.398E-03	5.024E-11	1.414E-07	3.495E-01
3.700E+04	5.315E-01	1.071E-27	3.852E-20	1.583E-11	2.257E-29	4.791E-03	3.268E-11	1.127E-07	3.464E-01
3.800E+04	5.357E-01	3.820E-28	1.685E-20	8.753E-12	6.525E-30	4.282E-03	2.164E-11	9.057E-08	3.439E-01
3.900E+04	5.393E-01	1.394E-28	7.476E-21	4.842E-12	1.909E-30	3.851E-03	1.458E-11	7.351E-08	3.414E-01
4.000E+04	5.424E-01	5.213E-29	3.370E-21	2.718E-12	5.674E-31	3.483E-03	9.981E-12	6.020E-08	3.397E-01
4.100E+04	5.451E-01	1.999E-29	1.564E-21	1.533E-12	1.721E-31	3.164E-03	4.935E-12	4.972E-08	3.380E-01
4.200E+04	5.473E-01	7.865E-30	7.224E-22	8.733E-13	0.	2.892E-03	4.884E-12	4.138E-08	3.364E-01
4.300E+04	5.493E-01	3.173E-30	3.438E-22	5.028E-13	0.	2.652E-03	3.488E-12	3.469E-08	3.354E-01
4.400E+04	5.511E-01	1.312E-30	1.668E-22	2.927E-13	0.	2.442E-03	2.521E-12	2.927E-08	3.342E-01
4.500E+04	5.527E-01	5.554E-31	8.214E-23	1.722E-13	0.	2.254E-03	1.843E-12	2.485E-08	3.331E-01
4.600E+04	5.544E-01	2.402E-31	4.116E-23	1.023E-13	0.	2.090E-03	1.361E-12	2.120E-08	3.320E-01
4.700E+04	5.564E-01	1.040E-31	2.093E-23	6.130E-14	0.	1.942E-03	1.014E-12	1.818E-08	3.308E-01
4.800E+04	5.583E-01	4.782E-32	1.078E-23	3.701E-14	0.	1.809E-03	7.654E-13	1.564E-08	3.295E-01
4.900E+04	5.604E-01	2.171E-32	5.612E-24	2.247E-14	0.	1.690E-03	5.817E-13	1.354E-08	3.280E-01
5.000E+04	5.627E-01	1.004E-32	2.949E-24	1.371E-14	0.	1.581E-03	4.458E-13	1.175E-08	3.264E-01

P/P0 = 1.40E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	4.419E-01	1.579E-20	9.010E-35	1.211E-28	1.213E-21	4.189E-01	1.221E-18	1.604E-21
6.000E+02	0.	1.327E-01	2.321E-17	7.812E-29	1.227E-24	1.002E-17	6.509E-01	9.514E-19	4.751E-21
7.000E+02	0.	3.514E-02	3.028E-15	1.104E-24	5.675E-22	5.771E-15	7.230E-01	8.564E-19	1.376E-20
8.000E+02	0.	1.124E-02	1.055E-13	1.354E-21	4.980E-20	6.684E-13	7.461E-01	8.162E-19	1.248E-20
9.000E+02	0.	4.451E-03	1.631E-12	2.373E-19	1.567E-18	7.705E-11	7.467E-01	7.744E-19	6.349E-20
1.000E+03	0.	2.085E-03	1.635E-11	2.779E-17	2.454E-17	5.253E-10	7.484E-01	1.270E-19	1.044E-19
1.100E+03	0.	1.113E-03	8.493E-11	1.025E-15	2.329E-16	5.984E-09	7.492E-01	4.724E-19	1.590E-19
1.200E+03	0.	6.377E-04	3.717E-10	1.206E-14	1.521E-15	4.564E-08	7.495E-01	4.138E-19	2.164E-19
1.300E+03	0.	4.211E-04	1.294E-09	2.624E-13	7.467E-15	2.559E-07	7.497E-01	5.551E-19	2.751E-19
1.400E+03	0.	2.874E-04	3.766E-09	2.325E-12	2.929E-14	1.125E-06	7.498E-01	4.994E-19	3.312E-19
1.500E+03	0.	2.064E-04	9.497E-09	1.543E-11	9.430E-14	4.071E-06	7.498E-01	4.483E-19	3.830E-19
1.600E+03	1.097E-29	1.550E-04	2.133E-08	8.064E-11	2.723E-13	1.257E-05	7.499E-01	4.028E-19	4.294E-19
1.700E+03	1.041E-26	1.205E-04	4.355E-08	3.469E-10	6.848E-13	3.406E-05	7.499E-01	3.629E-19	4.704E-19
1.800E+03	4.695E-24	9.645E-05	8.212E-08	1.269E-09	1.559E-12	8.274E-05	7.499E-01	3.281E-19	5.061E-19
1.900E+03	1.124E-21	7.915E-05	1.449E-07	4.050E-08	3.261E-12	1.834E-04	7.499E-01	2.985E-19	5.378E-19
2.000E+03	1.349E-19	6.634E-05	2.414E-07	1.151E-08	6.350E-12	3.758E-04	7.494E-01	3.159E-19	6.547E-19
2.100E+03	3.044E-18	5.660E-05	3.831E-07	2.962E-08	1.162E-11	7.197E-04	7.493E-01	1.150E-18	2.705E-18
2.200E+03	2.630E-17	4.903E-05	5.829E-07	6.993E-08	2.017E-11	1.300E-03	7.488E-01	7.365E-18	1.943E-17
2.300E+03	1.729E-16	4.302E-05	8.546E-07	1.532E-07	3.339E-11	2.233E-03	7.480E-01	4.370E-17	1.280E-16
2.400E+03	9.645E-16	3.817E-05	1.213E-06	3.142E-07	5.304E-11	3.667E-03	7.468E-01	2.262E-16	7.298E-16
2.500E+03	4.495E-15	3.417E-05	1.672E-06	6.082E-07	8.110E-11	5.788E-03	7.449E-01	1.030E-15	3.630E-15
2.600E+03	2.027E-14	3.081E-05	2.244E-06	1.118E-06	1.202E-10	8.020E-03	7.423E-01	4.161E-15	1.599E-14
2.700E+03	7.875E-14	2.794E-05	2.943E-06	1.963E-06	1.727E-10	1.302E-02	7.384E-01	1.528E-14	6.317E-14
2.800E+03	2.780E-13	2.544E-05	3.775E-06	3.305E-06	2.612E-10	1.869E-02	7.334E-01	5.097E-14	2.265E-13
2.900E+03	9.004E-13	2.323E-05	4.745E-06	5.360E-06	3.284E-10	2.614E-02	7.271E-01	1.564E-13	7.444E-13
3.000E+03	2.701E-12	1.244E-05	5.851E-06	8.398E-06	4.363E-10	3.569E-02	7.187E-01	4.453E-13	2.261E-12
3.100E+03	7.548E-12	1.942E-05	7.084E-06	1.275E-05	5.666E-10	4.770E-02	7.082E-01	1.183E-12	6.397E-12
3.200E+03	1.797E-11	1.772E-05	8.429E-06	1.880E-05	7.197E-10	6.447E-02	6.953E-01	2.955E-12	1.696E-11
3.300E+03	4.894E-11	1.612E-05	9.860E-06	2.697E-05	8.950E-10	8.029E-02	6.797E-01	6.953E-12	4.238E-11
3.400E+03	1.147E-10	1.440E-05	1.134E-05	3.773E-05	1.090E-09	1.014E-01	6.612E-01	1.552E-11	1.599E-10
3.500E+03	2.560E-10	1.315E-05	1.284E-05	5.155E-05	1.301E-09	1.259E-01	6.398E-01	3.297E-11	2.260E-10
3.600E+03	5.457E-10	1.176E-05	1.430E-05	6.884E-05	1.522E-09	1.539E-01	6.152E-01	6.684E-11	4.811E-10
3.700E+03	1.115E-09	1.043E-05	1.567E-05	9.000E-05	1.746E-09	1.854E-01	5.877E-01	1.298E-10	1.002E-09
3.800E+03	2.193E-09	9.167E-06	1.689E-05	1.153E-04	1.964E-09	2.200E-01	5.574E-01	2.418E-10	1.985E-09
3.900E+03	4.156E-09	7.974E-06	1.793E-05	1.449E-04	2.168E-09	2.575E-01	5.245E-01	4.335E-10	3.792E-09
4.000E+03	7.615E-09	6.860E-06	1.873E-05	1.787E-04	2.349E-09	2.974E-01	4.896E-01	7.493E-10	6.998E-09
4.100E+03	1.352E-08	5.832E-06	1.927E-05	2.167E-04	2.498E-09	3.391E-01	4.530E-01	1.251E-09	1.251E-08
4.200E+03	2.330E-08	4.899E-06	1.952E-05	2.584E-04	2.610E-09	3.819E-01	4.155E-01	2.021E-09	2.169E-08
4.300E+03	3.905E-08	4.064E-06	1.948E-05	3.033E-04	2.682E-09	4.250E-01	3.778E-01	3.168E-09	3.657E-08
4.400E+03	6.378E-08	3.334E-06	1.918E-05	3.509E-04	2.712E-09	4.676E-01	3.604E-01	4.814E-09	6.068E-08
4.500E+03	1.017E-07	2.703E-06	1.862E-05	4.005E-04	2.701E-09	5.089E-01	3.041E-01	7.115E-09	9.621E-08
4.600E+03	1.584E-07	2.167E-06	1.787E-05	4.513E-04	2.655E-09	5.483E-01	2.894E-01	1.026E-08	1.504E-07
4.700E+03	2.416E-07	1.722E-06	1.695E-05	5.028E-04	2.578E-09	5.853E-01	2.730E-01	1.442E-08	2.306E-07
4.800E+03	3.613E-07	1.356E-06	1.592E-05	5.544E-04	2.477E-09	6.193E-01	2.070E-01	1.983E-08	3.468E-07
4.900E+03	5.304E-07	1.061E-06	1.482E-05	6.056E-04	2.357E-09	6.501E-01	1.798E-01	2.689E-08	5.094E-07
5.000E+03	7.653E-07	8.252E-07	1.370E-05	6.560E-04	2.266E-09	6.776E-01	1.554E-01	3.523E-08	7.367E-07
5.200E+03	1.521E-06	4.943E-07	1.130E-05	7.534E-04	1.950E-09	7.230E-01	1.149E-01	5.897E-08	1.468E-06
5.400E+03	2.858E-06	2.947E-07	9.501E-06	8.453E-04	1.678E-09	7.567E-01	8.438E-02	9.123E-08	2.742E-06
5.600E+03	5.122E-06	1.764E-07	7.779E-06	9.308E-04	1.428E-09	7.807E-01	6.938E-02	1.360E-07	4.942E-06
5.800E+03	8.634E-06	1.065E-07	6.341E-06	1.009E-04	1.204E-09	8.072E-01	6.366E-02	1.949E-07	8.464E-06
6.000E+03	1.459E-05	5.517E-08	5.159E-06	1.080E-04	1.013E-09	8.278E-01	5.792E-02	2.703E-07	1.394E-05
6.200E+03	2.349E-05	4.041E-08	4.195E-06	1.161E-04	8.457E-10	8.140E-01	2.564E-02	3.644E-07	2.219E-05
6.400E+03	3.832E-05	2.540E-08	3.111E-06	1.241E-04	7.015E-10	8.168E-01	1.927E-02	4.795E-07	3.422E-05
6.600E+03	5.551E-05	1.614E-08	2.770E-06	1.229E-04	5.772E-10	8.169E-01	1.475E-02	6.173E-07	5.131E-05
6.800E+03	8.245E-05	1.038E-08	2.247E-06	1.233E-04	4.702E-10	8.148E-01	1.140E-02	7.795E-07	7.497E-05
7.000E+03	1.199E-04	6.736E-09	1.818E-06	1.263E-03	3.786E-10	8.110E-01	8.906E-03	9.674E-07	1.070E-04
7.200E+03	1.711E-04	4.402E-09	1.446E-06	1.256E-03	3.007E-10	8.059E-01	7.022E-03	1.182E-06	1.495E-04
7.400E+03	2.399E-04	2.894E-09	1.177E-06	1.233E-03	2.353E-10	7.999E-01	5.590E-03	1.425E-06	2.049E-04
7.600E+03	3.309E-04	1.914E-09	9.415E-07	1.196E-03	1.813E-10	7.933E-01	4.492E-03	1.698E-06	2.759E-04
7.800E+03	4.495E-04	1.272E-09	7.498E-07	1.145E-03	1.375E-10	7.866E-01	3.643E-03	2.004E-06	3.659E-04
8.000E+03	6.019E-04	8.500E-10	5.931E-07	1.084E-03	1.027E-10	7.800E-01	2.946E-03	2.345E-06	4.784E-04
8.200E+03	7.951E-04	5.715E-10	4.710E-07	1.015E-03	7.577E-11	7.739E-01	2.470E-03	2.724E-06	6.184E-04
8.400E+03	1.037E-03	3.870E-10	3.721E-07	9.426E-04	5.528E-11	7.685E-01	2.043E-03	3.151E-06	7.950E-04
8.600E+03	1.334E-03	2.641E-10	2.942E-07	8.688E-04	4.002E-11	7.637E-01	1.734E-03	3.624E-06	1.000E-03
8.800E+03	1.703E-03	1.819E-10	2.328E-07	7.964E-04	2.884E-11	7.594E-01	1.478E-03	4.154E-06	1.255E-03

TABLE II. - Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
9.051E-08	5.416E-04	5.252E-13	1.813E-10	6.897E-02	1.871E-08	5.002E-02	3.853E-05	9.185E-12	3.500E+04
7.345E-08	3.997E-04	2.346E-13	9.691E-11	5.859E-02	1.268E-08	5.923E-02	7.430E-05	3.862E-11	3.600E+04
6.055E-08	2.917E-04	1.030E-13	5.058E-11	4.890E-02	8.523E-09	6.779E-02	1.424E-04	1.472E-10	3.700E+04
5.063E-08	2.111E-04	4.475E-14	2.593E-11	4.024E-02	5.691E-09	7.537E-02	2.524E-04	5.138E-10	3.800E+04
4.291E-08	1.520E-04	1.933E-14	1.315E-11	3.277E-02	3.786E-09	8.182E-02	4.277E-04	1.659E-09	3.900E+04
3.640E-08	1.091E-04	8.324E-15	4.633E-12	2.450E-02	2.517E-09	8.708E-02	4.968E-04	4.994E-09	4.000E+04
3.192E-08	7.831E-05	3.619E-15	3.346E-12	2.135E-02	1.675E-09	9.121E-02	1.097E-03	1.413E-08	4.100E+04
2.797E-08	5.630E-05	1.587E-15	1.694E-12	1.717E-02	1.119E-09	9.427E-02	1.675E-03	3.774E-08	4.200E+04
2.473E-08	4.059E-05	7.016E-16	8.629E-13	1.380E-02	7.513E-10	9.635E-02	2.488E-03	9.573E-08	4.300E+04
2.205E-08	2.937E-05	3.141E-16	4.428E-13	1.104E-02	5.071E-10	9.749E-02	3.405E-03	-2.313E-07	4.400E+04
1.980E-08	2.132E-05	1.422E-16	2.289E-13	8.924E-03	3.441E-10	9.775E-02	5.100E-03	5.340E-07	4.500E+04
1.791E-08	1.552E-05	6.510E-17	1.191E-13	7.182E-03	2.347E-10	9.711E-02	7.052E-03	1.181E-06	4.600E+04
1.629E-08	1.133E-05	3.007E-17	6.230E-14	5.779E-03	1.608E-10	9.558E-02	9.533E-03	2.503E-06	4.700E+04
1.449E-08	8.280E-06	1.398E-17	3.268E-14	4.644E-03	1.105E-10	9.316E-02	1.261E-02	5.098E-06	4.800E+04
1.369E-08	6.052E-06	6.539E-18	1.716E-14	3.724E-03	7.615E-11	8.985E-02	1.651E-02	9.978E-06	4.900E+04
1.263E-08	4.418E-06	3.055E-18	8.988E-15	2.977E-03	5.251E-11	8.570E-02	2.062E-02	1.879E-05	5.000E+04

P/PD = 1.40E+01

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.345E-01	5.833E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.168E-01	8.195E-21	0.	0.	0.	0.	0.	6.000E+02
0.	8.741E-34	2.412E-01	1.115E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.409E-29	2.472E-01	1.450E-20	0.	0.	0.	0.	0.	8.000E+02
0.	6.633E-26	2.489E-01	1.748E-20	0.	0.	0.	0.	0.	9.000E+02
0.	3.471E-23	2.495E-01	1.976E-20	0.	0.	0.	0.	0.	1.000E+03
0.	7.285E-21	2.497E-01	2.119E-20	0.	0.	0.	0.	0.	1.100E+03
0.	5.621E-19	2.498E-01	2.181E-20	0.	0.	0.	0.	0.	1.200E+03
0.	2.234E-17	2.499E-01	2.178E-20	2.483E-22	0.	0.	0.	0.	1.300E+03
0.	5.254E-16	2.499E-01	2.127E-20	2.910E-31	0.	0.	0.	0.	1.400E+03
0.	8.126E-15	2.499E-01	2.047E-20	2.416E-30	0.	0.	0.	0.	1.500E+03
0.	8.940E-14	2.500E-01	1.950E-20	1.520E-29	0.	0.	0.	0.	1.600E+03
0.	7.428E-13	2.500E-01	1.847E-20	7.617E-29	1.039E-39	0.	0.	0.	1.700E+03
3.692E-27	4.884E-12	2.500E-01	1.744E-20	3.166E-28	0.	0.	0.	0.	1.800E+03
1.337E-24	2.637E-11	2.500E-01	1.647E-20	1.127E-27	0.	0.	0.	0.	1.900E+03
2.329E-22	1.234E-10	2.499E-01	1.801E-20	4.072E-27	0.	0.	0.	0.	2.000E+03
7.170E-21	4.758E-10	2.499E-01	6.753E-20	4.500E-26	1.422E-28	0.	0.	0.	2.100E+03
8.229E-20	1.661E-09	2.498E-01	4.438E-19	7.906E-25	3.932E-27	0.	0.	0.	2.200E+03
7.003E-19	5.204E-09	2.497E-01	2.685E-18	1.174E-23	7.949E-26	0.	0.	0.	2.300E+03
4.930E-18	1.483E-08	2.495E-01	1.422E-17	1.421E-22	1.116E-24	0.	0.	0.	2.400E+03
2.981E-17	3.888E-08	2.493E-01	6.592E-17	1.408E-21	1.327E-23	0.	0.	0.	2.500E+03
1.546E-16	9.467E-08	2.489E-01	2.739E-16	1.172E-20	1.301E-22	0.	0.	0.	2.600E+03
7.130E-16	2.158E-07	2.484E-01	1.017E-15	8.344E-20	1.077E-21	0.	0.	0.	2.700E+03
2.941E-15	6.639E-07	2.477E-01	3.454E-15	5.175E-19	7.644E-21	0.	0.	0.	2.800E+03
1.097E-14	9.455E-07	2.467E-01	1.080E-14	2.835E-18	4.731E-20	0.	0.	0.	2.900E+03
3.736E-14	1.837E-06	2.455E-01	3.133E-14	1.389E-17	2.587E-19	0.	0.	0.	3.000E+03
1.171E-13	3.419E-06	2.440E-01	8.534E-14	6.150E-17	7.265E-18	0.	0.	0.	3.100E+03
3.390E-13	6.118E-06	2.422E-01	2.179E-13	2.488E-16	5.583E-18	0.	0.	0.	3.200E+03
9.149E-13	1.055E-05	2.399E-01	5.256E-13	9.246E-16	2.245E-17	0.	0.	0.	3.300E+03
2.347E-12	1.762E-05	2.373E-01	1.205E-12	3.189E-15	8.290E-17	0.	0.	0.	3.400E+03
5.624E-12	2.854E-05	2.342E-01	2.637E-12	1.028E-14	2.830E-16	0.	0.	0.	3.500E+03
1.275E-11	4.493E-05	2.307E-01	5.530E-12	3.101E-14	8.988E-16	0.	0.	0.	3.600E+03
2.747E-11	6.549E-05	2.267E-01	1.115E-11	8.842E-14	2.670E-15	0.	0.	0.	3.700E+03
5.637E-11	1.034E-04	2.224E-01	2.166E-11	2.390E-13	7.958E-15	0.	0.	0.	3.800E+03
1.105E-10	1.516E-04	2.178E-01	4.077E-11	6.154E-13	1.966E-14	0.	0.	0.	3.900E+03
2.077E-10	2.177E-04	2.128E-01	7.438E-11	1.514E-12	4.913E-14	0.	0.	0.	4.000E+03
3.749E-10	3.069E-04	2.073E-01	1.370E-10	3.575E-12	1.169E-13	0.	0.	0.	4.100E+03
6.514E-10	4.251E-04	2.019E-01	2.262E-10	9.124E-12	2.659E-13	0.	0.	0.	4.200E+03
1.092E-09	5.795E-04	1.964E-01	3.855E-10	1.782E-11	5.79E-13	0.	0.	0.	4.300E+03
1.770E-09	7.783E-04	1.909E-01	6.374E-10	3.783E-11	1.207E-12	0.	0.	0.	4.400E+03
2.785E-09	1.031E-03	1.855E-01	1.034E-09	7.791E-11	2.431E-12	0.	0.	0.	4.500E+03
4.234E-09	1.349E-03	1.804E-01	1.648E-09	1.580E-10	4.729E-12	0.	0.	0.	4.600E+03
6.278E-09	1.745E-03	1.755E-01	2.580E-09	3.044E-10	8.907E-12	0.	0.	0.	4.700E+03
9.066E-09	2.234E-03	1.709E-01	3.483E-09	5.797E-10	1.628E-11	0.	0.	0.	4.800E+03
1.279E-08	2.832E-03	1.667E-01	4.663E-09	1.079E-09	2.910E-11	0.	0.	0.	4.900E+03
1.745E-08	3.557E-03	1.627E-01	6.109E-09	1.964E-09	5.050E-11	0.	0.	0.	5.000E+03
3.174E-08	5.473E-03	1.558E-01	1.981E-08	6.131E-09	1.418E-10	0.	0.	0.	5.200E+03
5.342E-08	8.169E-03	1.494E-01	4.113E-08	1.775E-08	3.663E-10	0.	0.	0.	5.400E+03
8.186E-08	1.188E-02	1.445E-01	8.162E-08	4.795E-08	8.792E-10	0.	0.	0.	5.600E+03
1.294E-07	1.677E-02	1.394E-01	1.550E-07	1.214E-07	1.974E-09	0.	0.	0.	5.800E+03
1.905E-07	2.313E-02	1.340E-01	2.817E-07	2.842E-07	4.183E-09	2.335E-25	0.	0.	6.000E+03
2.749E-07	3.115E-02	1.282E-01	4.506E-07	4.506E-07	8.396E-09	2.249E-24	0.	0.	6.200E+03
3.749E-07	4.100E-02	1.217E-01	6.184E-07	1.387E-06	1.602E-08	1.474E-23	0.	0.	6.400E+03
5.065E-07	5.274E-02	1.143E-01	1.308E-06	2.808E-06	2.915E-08	1.370E-22	0.	0.	6.600E+03
6.731E-07	6.640E-02	1.066E-01	2.005E-06	5.416E-06	5.088E-08	8.443E-22	0.	0.	6.800E+03
8.701E-07	8.173E-02	9.645E-02	2.944E-06	9.974E-06	8.510E-08	5.087E-21	0.	0.	7.000E+03
1.111E-06	9.448E-02	8.701E-02	4.145E-06	1.757E-05	1.368E-07	2.628E-20	0.	0.	7.200E+03
1.397E-06	1.161E-01	7.672E-02	5.545E-06	2.968E-05	2.118E-07	1.228E-19	0.	0.	7.400E+03
1.734E-06	1.340E-01	6.632E-02	7.246E-06	4.815E-05	3.161E-07	5.228E-19	0.	0.	7.600E+03
2.126E-06	1.516E-01	5.617E-02	9.015E-06	7.521E-05	4.357E-07	2.039E-18	0.	0.	7.800E+03
2.577E-06	1.681E-01	4.663E-02	1.080E-05	1.134E-04	6.354E-07	7.338E-18	0.	0.	8.000E+03
3.092E-06	1.830E-01	3.799E-02	1.248E-05	1.654E-04	8.602E-07	2.451E-17	0.	0.	8.200E+03
3.676E-06	1.960E-01	3.044E-02	1.398E-05	2.341E-04	1.132E-06	7.642E-17	0.	0.	8.400E+03
4.334E-06	2.069E-01	2.410E-02	1.524E-05	3.228E-04	1.651E-06	2.238E-16	0.	0.	8.600E+03
5.069E-06	2.159E-01	1.887E-02	1.622E-05	4.345E-04	1.820E-06	6.194E-16	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	2.147E-03	1.264E-10	1.847E-07	7.273E-04	2.074E-11	7.561E-01	1.267E-03	4.741E-04	1.560E-03
9.200E+03	2.681E-03	8.877E-11	1.471E-07	6.624E-04	1.494E-11	7.531E-01	1.094E-03	5.389E-04	1.925E-03
9.400E+03	3.316E-03	6.296E-11	1.176E-07	4.031E-04	1.079E-11	7.504E-01	9.508E-04	4.102E-04	2.357E-03
9.600E+03	4.066E-03	4.511E-11	9.450E-08	5.488E-04	7.824E-12	7.480E-01	8.314E-04	4.881E-04	2.844E-03
9.800E+03	4.946E-03	3.264E-11	7.430E-08	4.997E-04	5.707E-12	7.458E-01	7.308E-04	4.729E-04	3.456E-03
1.000E+04	5.970E-03	2.384E-11	6.192E-08	4.554E-04	4.189E-12	7.436E-01	6.455E-04	4.646E-04	4.143E-03
1.100E+04	7.143E-03	1.559E-12	2.339E-08	2.921E-04	9.824E-13	7.307E-01	3.672E-04	1.428E-05	9.354E-03
1.200E+04	8.474E-03	1.559E-12	9.482E-09	1.929E-04	2.640E-13	7.106E-01	2.224E-04	2.166E-05	1.854E-02
1.300E+04	9.966E-03	4.737E-13	4.209E-09	1.285E-04	7.674E-14	6.793E-01	1.387E-04	2.957E-05	3.317E-02
1.400E+04	1.162E-02	1.485E-13	1.845E-09	8.439E-05	2.278E-14	6.345E-01	8.678E-05	3.746E-05	5.377E-02
1.500E+04	1.347E-02	4.558E-14	7.856E-10	5.344E-05	6.553E-15	5.757E-01	5.325E-05	4.364E-05	8.161E-02
1.600E+04	1.552E-02	1.313E-14	3.114E-10	3.208E-05	1.751E-15	5.049E-01	3.145E-05	4.649E-05	1.153E-01
1.700E+04	1.777E-02	3.441E-15	1.171E-10	1.801E-05	4.219E-16	4.265E-01	1.784E-05	4.584E-05	1.533E-01
1.800E+04	2.032E-02	8.081E-16	3.973E-11	9.427E-06	9.055E-17	3.467E-01	9.317E-06	4.137E-05	1.926E-01
1.900E+04	2.317E-02	1.707E-16	1.239E-11	4.625E-06	1.745E-17	2.721E-01	4.642E-06	3.717E-05	2.303E-01
2.000E+04	2.632E-02	3.313E-17	3.618E-12	2.158E-06	3.104E-18	2.074E-01	2.200E-06	2.691E-05	2.635E-01
2.100E+04	2.987E-02	6.114E-18	1.014E-12	9.777E-07	5.289E-19	1.551E-01	1.008E-06	1.992E-05	2.909E-01
2.200E+04	3.382E-02	1.113E-18	2.823E-13	4.389E-07	8.995E-20	1.150E-01	4.551E-07	1.423E-05	3.122E-01
2.300E+04	3.827E-02	2.069E-19	7.948E-14	1.987E-07	1.573E-20	8.529E-02	2.058E-07	9.948E-06	3.281E-01
2.400E+04	4.322E-02	4.020E-20	2.326E-14	9.176E-08	2.902E-21	6.381E-02	9.448E-08	4.936E-06	3.397E-01
2.500E+04	4.867E-02	8.292E-21	7.098E-15	4.356E-08	5.714E-22	4.838E-02	4.447E-08	4.837E-06	3.479E-01
2.600E+04	5.462E-02	1.829E-21	2.277E-15	2.132E-08	1.209E-22	3.728E-02	2.156E-08	3.400E-06	3.490E-01
2.700E+04	6.117E-02	4.323E-22	7.684E-16	1.076E-08	2.740E-23	2.922E-02	1.080E-08	2.416E-06	3.578E-01
2.800E+04	6.842E-02	1.092E-22	2.722E-16	5.582E-09	6.627E-24	2.330E-02	5.584E-09	1.739E-06	3.605E-01
2.900E+04	7.647E-02	2.936E-23	1.008E-16	2.970E-09	1.697E-24	1.890E-02	2.985E-09	1.269E-06	3.620E-01
3.000E+04	8.532E-02	8.345E-24	3.879E-17	1.613E-09	4.557E-25	1.557E-02	1.645E-09	9.372E-07	3.625E-01
3.100E+04	9.507E-02	2.489E-24	1.543E-17	8.895E-10	1.269E-25	1.301E-02	9.320E-10	7.009E-07	3.621E-01
3.200E+04	1.058E-01	7.738E-25	6.300E-18	4.955E-10	3.629E-26	1.101E-02	5.437E-10	5.303E-07	3.609E-01
3.300E+04	1.173E-01	2.488E-25	2.626E-18	2.775E-10	1.054E-26	9.431E-03	3.251E-10	4.056E-07	3.589E-01
3.400E+04	1.302E-01	8.232E-26	1.112E-18	1.556E-10	3.084E-27	8.163E-03	1.990E-10	3.134E-07	3.564E-01
3.500E+04	1.447E-01	2.790E-26	4.763E-19	8.723E-11	9.055E-28	7.133E-03	1.245E-10	2.447E-07	3.535E-01
3.600E+04	1.607E-01	9.657E-27	2.063E-19	4.882E-11	2.661E-28	6.285E-03	7.948E-11	1.929E-07	3.504E-01
3.700E+04	1.782E-01	3.413E-27	9.028E-20	2.730E-11	7.844E-29	5.580E-03	5.173E-11	1.536E-07	3.474E-01
3.800E+04	1.972E-01	5.334E-28	3.996E-20	1.527E-11	2.316E-29	4.988E-03	3.428E-11	1.235E-07	3.449E-01
3.900E+04	2.177E-01	4.543E-28	1.792E-20	8.573E-12	6.924E-30	4.487E-03	2.310E-11	1.002E-07	3.425E-01
4.000E+04	2.397E-01	5.406E-29	8.155E-21	4.837E-12	2.094E-30	4.059E-03	1.582E-11	8.204E-08	3.405E-01
4.100E+04	2.632E-01	6.630E-29	3.771E-21	2.750E-12	6.458E-31	3.690E-03	1.099E-11	6.774E-08	3.387E-01
4.200E+04	2.882E-01	2.627E-29	1.774E-21	1.577E-12	2.031E-31	3.371E-03	7.746E-12	5.637E-08	3.372E-01
4.300E+04	3.147E-01	5.480E-30	1.066E-29	8.494E-22	9.134E-13	0.	3.092E-03	5.530E-12	4.725E-08
4.400E+04	3.427E-01	4.435E-30	4.139E-22	5.344E-13	0.	2.847E-03	3.997E-12	3.987E-08	3.677E-01
4.500E+04	3.722E-01	5.517E-31	1.887E-30	2.052E-22	3.161E-13	0.	2.630E-03	2.922E-12	3.384E-08
4.600E+04	4.032E-01	5.534E-31	8.206E-31	1.033E-22	1.888E-13	0.	2.437E-03	2.160E-12	3.259E-08
4.700E+04	4.357E-01	3.640E-31	5.282E-23	1.137E-13	0.	2.265E-03	1.612E-12	2.478E-08	3.135E-01
4.800E+04	4.702E-01	5.571E-31	1.645E-31	2.736E-23	6.904E-14	0.	2.110E-03	1.215E-12	3.031E-01
4.900E+04	5.067E-01	7.551E-32	1.434E-23	4.220E-14	0.	1.971E-03	9.234E-13	1.847E-08	3.287E-01
5.000E+04	5.452E-01	3.516E-32	7.590E-24	2.591E-14	0.	1.844E-03	7.078E-13	1.604E-08	3.272E-01

P/PD = 1.40E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	4.647E-01	1.586E-20	8.650E-35	1.274E-28	1.111E-21	4.015E-01	1.240E-18	1.362E-21
6.000E+02	0.	1.467E-01	2.421E-17	7.685E-29	1.358E-24	9.297E-18	6.399E-01	9.637E-19	4.540E-21
7.000E+02	0.	3.977E-02	3.214E-15	1.099E-24	6.423E-22	5.385E-15	7.202E-01	8.613E-19	1.295E-20
8.000E+02	0.	1.282E-02	1.124E-13	1.351E-21	5.673E-20	6.249E-13	7.404E-01	6.174E-19	3.053E-20
9.000E+02	0.	5.080E-03	1.742E-12	3.371E-19	1.789E-18	2.529E-11	7.462E-01	7.786E-19	5.973E-20
1.000E+03	0.	2.381E-03	1.533E-11	2.778E-17	2.803E-17	4.913E-10	7.482E-01	7.332E-19	1.006E-19
1.100E+03	0.	1.272E-03	9.877E-11	1.025E-15	2.661E-16	5.597E-09	7.490E-01	4.807E-19	1.906E-19
1.200E+03	0.	7.515E-04	3.973E-10	2.045E-14	1.738E-15	4.271E-08	7.494E-01	6.241E-19	2.060E-19
1.300E+03	0.	4.812E-04	1.383E-09	2.624E-13	8.552E-13	2.394E-07	7.496E-01	5.670E-19	2.628E-19
1.400E+03	0.	3.284E-04	4.025E-09	3.325E-12	3.347E-14	1.052E-06	7.498E-01	5.125E-19	3.178E-19
1.500E+03	4.032E-33	2.362E-04	1.015E-08	1.543E-11	1.097E-13	3.808E-06	7.499E-01	4.618E-19	3.690E-19
1.600E+03	9.284E-30	1.722E-04	2.800E-08	8.064E-11	3.112E-13	1.176E-05	7.499E-01	4.184E-19	4.152E-19
1.700E+03	8.785E-27	1.377E-04	4.655E-08	3.449E-10	7.824E-13	3.186E-05	7.499E-01	3.763E-19	4.563E-19
1.800E+03	3.950E-24	1.102E-04	8.779E-08	1.269E-09	1.781E-12	7.742E-05	7.499E-01	3.412E-19	4.923E-19
1.900E+03	9.448E-22	9.046E-05	1.549E-07	4.050E-09	3.714E-12	1.716E-04	7.499E-01	3.111E-19	5.243E-19
2.000E+03	1.170E-19	7.581E-05	2.581E-07	1.151E-08	7.257E-12	3.515E-04	7.499E-01	2.734E-19	6.269E-19
2.100E+03	2.770E-18	6.469E-05	4.096E-07	2.962E-08	1.328E-11	6.732E-04	7.499E-01	1.113E-18	7.449E-18
2.200E+03	2.399E-17	5.604E-05	6.232E-07	6.993E-08	2.305E-11	1.216E-03	7.499E-01	7.605E-18	1.747E-18
2.300E+03	1.578E-16	4.918E-05	9.130E-07	1.532E-07	3.617E-11	2.009E-03	7.499E-01	6.491E-17	1.148E-18
2.400E+03	8.799E-16	4.346E-05	1.297E-06	3.143E-07	6.063E-11	3.431E-03	7.499E-01	2.170E-16	6.549E-16
2.500E+03	4.282E-15	3.908E-05	1.788E-06	6.084E-07	9.283E-11	5.418E-03	7.499E-01	4.884E-16	9.259E-16
2.600E+03	1.848E-14	3.525E-05	2.401E-06	1.119E-06	1.375E-10	8.253E-03	7.499E-01	4.011E-15	1.459E-15
2.700E+03	7.179E-14	3.198E-05	3.190E-06	1.964E-06	1.976E-10	1.219E-02	7.393E-01	1.469E-14	5.678E-15
2.800E+03	2.532E-13	2.915E-05	4.043E-06	3.308E-06	2.742E-10	1.749E-02	7.347E-01	4.903E-14	2.037E-13
2.900E+03	8.201E-13	2.644E-05	5.085E-06	5.347E-06	3.743E-10	2.447E-02	7.288E-01	1.580E-13	6.499E-13
3.000E+03	2.459E-12	2.439E-05	6.276E-06	8.414E-06	5.004E-10	3.344E-02	7.207E-01	4.291E-13	2.836E-12
3.100E+03	6.871E-12	2.233E-05	7.607E-06	1.278E-06	6.509E-10	4.478E-02	7.109E-01	1.142E-12	9.752E-12
3.200E+03	1.802E-11	2.042E-05	9.064E-06	1.884E-06	8.282E-10	5.858E-02	6.987E-01	2.852E-12	1.539E-11
3.300E+03	4.456E-11	1.862E-05	1.062E-05	2.709E-06	1.032E-09	7.535E-02	6.860E-01	6.725E-12	3.622E-11

TABLE II. - Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
5.844E-06	2.229E-01	1.469E-02	1.695E-05	5.730E-04	2.298E-06	1.627E-15	0.	0.	9.000E+03
6.782E-06	2.284E-01	1.139E-02	1.745E-05	7.422E-04	2.706E-06	4.079E-15	0.	0.	9.200E+03
7.766E-06	2.325E-01	8.829E-03	1.776E-05	9.464E-04	3.223E-06	9.793E-15	0.	0.	9.400E+03
8.836E-06	2.358E-01	6.851E-03	1.791E-05	1.190E-03	3.791E-06	2.261E-14	0.	0.	9.600E+03
9.989E-06	2.377E-01	5.331E-03	1.793E-05	1.479E-03	4.409E-06	5.034E-14	0.	0.	9.800E+03
1.123E-05	2.392E-01	4.164E-03	1.786E-05	1.817E-03	5.078E-06	1.084E-13	0.	0.	1.000E+04
1.261E-05	2.398E-01	1.301E-03	1.669E-05	4.472E-03	9.133E-06	3.275E-12	0.	0.	1.100E+04
1.414E-05	2.328E-01	4.580E-04	1.489E-05	9.302E-03	1.408E-05	5.604E-11	0.	0.	1.200E+04
1.580E-05	2.201E-01	1.758E-04	1.276E-05	1.701E-02	1.934E-05	6.217E-10	7.632E-25	0.	1.300E+04
4.412E-05	2.014E-01	7.092E-05	1.046E-05	2.795E-02	2.323E-05	4.904E-09	9.134E-23	0.	1.400E+04
4.859E-05	1.772E-01	2.904E-05	8.089E-06	4.183E-02	2.527E-05	2.938E-08	5.952E-21	0.	1.500E+04
4.880E-05	1.491E-01	1.174E-05	5.815E-06	5.760E-02	2.470E-05	1.406E-07	2.376E-19	0.	1.600E+04
4.472E-05	1.194E-01	4.597E-06	2.892E-06	7.360E-02	2.176E-05	5.562E-07	6.362E-18	0.	1.700E+04
3.756E-05	9.172E-02	1.731E-06	2.427E-06	8.809E-02	1.761E-05	1.898E-06	1.226E-16	0.	1.800E+04
2.913E-05	6.764E-02	2.295E-07	1.425E-06	9.982E-02	1.283E-05	5.675E-06	1.798E-15	0.	1.900E+04
2.116E-05	4.894E-02	2.246E-07	1.021E-07	1.084E-01	8.871E-06	1.526E-05	2.092E-14	0.	2.000E+04
1.462E-05	3.439E-02	1.022E-08	4.423E-07	1.143E-01	5.884E-06	3.758E-05	2.094E-13	0.	2.100E+04
9.797E-06	2.433E-02	2.924E-08	2.434E-07	1.180E-01	3.819E-06	6.595E-05	1.614E-12	0.	2.200E+04
6.464E-06	1.735E-02	1.103E-08	1.355E-07	1.203E-01	2.464E-06	1.844E-04	1.116E-11	0.	2.300E+04
4.253E-06	1.254E-02	4.340E-09	7.691E-08	1.216E-01	1.598E-06	3.742E-04	6.717E-11	0.	2.400E+04
2.817E-06	9.218E-03	1.787E-09	4.466E-08	1.222E-01	1.049E-06	7.214E-04	3.568E-10	0.	2.500E+04
1.889E-06	6.842E-03	7.688E-10	2.652E-08	1.221E-01	6.987E-07	1.327E-03	1.489E-09	0.	2.600E+04
1.287E-06	5.234E-03	3.442E-10	1.607E-08	1.214E-01	4.729E-07	2.336E-03	7.190E-09	0.	2.700E+04
8.936E-07	4.328E-03	1.595E-10	9.487E-09	1.200E-01	3.248E-07	2.940E-03	2.771E-08	0.	2.800E+04
6.328E-07	3.131E-03	7.565E-11	6.137E-09	1.175E-01	2.259E-07	6.374E-03	9.725E-08	0.	2.900E+04
4.575E-07	2.447E-03	3.672E-11	3.816E-09	1.137E-01	1.585E-07	9.884E-03	3.117E-07	0.	3.000E+04
3.375E-07	1.915E-03	1.793E-11	2.357E-09	1.084E-01	1.118E-07	1.468E-02	9.172E-07	0.	3.100E+04
2.542E-07	1.494E-03	8.745E-12	1.435E-09	1.016E-01	7.891E-08	2.986E-02	2.479E-06	0.	3.200E+04
1.955E-07	1.157E-03	4.226E-12	8.547E-10	9.326E-02	5.552E-08	2.835E-02	6.175E-06	0.	3.300E+04
1.532E-07	8.861E-04	2.011E-12	4.957E-10	8.375E-02	3.881E-08	3.487E-02	1.423E-05	1.318E-12	3.400E+04
1.223E-07	6.735E-04	9.393E-13	2.794E-10	7.356E-02	2.690E-08	4.596E-02	3.050E-05	4.263E-12	3.500E+04
9.930E-08	5.011E-04	4.302E-13	1.531E-10	6.328E-02	1.846E-08	5.510E-02	4.114E-05	2.466E-11	3.600E+04
8.190E-08	3.702E-04	1.937E-13	8.186E-11	5.345E-02	1.256E-08	6.381E-02	1.154E-04	1.027E-10	3.700E+04
6.853E-08	2.710E-04	8.616E-14	4.292E-11	4.447E-02	8.487E-09	7.170E-02	2.067E-04	3.621E-10	3.800E+04
5.811E-08	1.973E-04	3.794E-14	2.220E-11	3.657E-02	5.707E-09	7.858E-02	3.533E-04	1.179E-09	3.900E+04
4.987E-08	1.428E-04	1.669E-14	1.146E-11	2.985E-02	3.925E-09	8.429E-02	5.800E-04	3.576E-09	4.000E+04
4.328E-08	1.033E-04	7.356E-15	5.838E-12	2.421E-02	2.571E-09	8.890E-02	9.191E-04	1.018E-08	4.100E+04
3.793E-08	7.476E-05	3.254E-15	2.995E-12	1.959E-02	1.730E-09	9.245E-02	3.117E-03	2.734E-08	4.200E+04
3.355E-08	5.422E-05	1.459E-15	1.543E-12	1.583E-02	1.168E-09	9.500E-02	2.138E-03	6.947E-08	4.300E+04
2.942E-08	3.944E-05	6.606E-16	8.003E-13	1.280E-02	7.928E-10	9.661E-02	3.069E-03	1.691E-07	4.400E+04
2.688E-08	2.878E-05	3.023E-16	4.179E-13	1.035E-02	5.408E-10	9.734E-02	4.362E-03	3.923E-07	4.500E+04
2.532E-08	2.136E-05	1.398E-16	2.197E-13	8.369E-03	3.707E-10	9.719E-02	6.062E-03	8.717E-07	4.600E+04
2.411E-08	1.545E-05	6.524E-17	1.161E-13	6.764E-03	2.553E-10	9.618E-02	8.241E-03	1.858E-06	4.700E+04
2.022E-08	1.136E-05	3.088E-17	6.161E-14	5.472E-03	1.765E-10	9.429E-02	1.096E-02	3.807E-06	4.800E+04
1.859E-08	8.351E-06	1.450E-17	3.275E-14	4.416E-03	1.223E-10	9.153E-02	1.427E-02	7.503E-06	4.900E+04
1.714E-08	6.138E-06	6.462E-18	1.739E-14	3.554E-03	8.489E-11	8.793E-02	1.818E-02	1.424E-05	5.000E+04

P/P0 = 1.60E+01

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	J.	1.338E-01	5.925E-21	0.	0.	0.	0.	0.	5.000E+02
0.	J.	2.133E-01	8.200E-21	0.	0.	0.	0.	0.	6.000E+02
0.	6.204E-34	2.401E-01	1.126E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.252E-24	2.488E-01	1.458E-20	0.	0.	0.	0.	0.	8.000E+02
0.	6.390E-26	2.487E-01	1.798E-20	0.	0.	0.	0.	0.	9.000E+02
0.	3.714E-23	2.494E-01	1.997E-20	0.	0.	0.	0.	0.	1.000E+03
0.	6.814E-21	2.497E-01	2.115E-20	0.	0.	0.	0.	0.	1.100E+03
0.	5.268E-19	2.498E-01	2.218E-20	1.304E-33	0.	0.	0.	0.	1.200E+03
0.	2.390E-17	2.499E-01	2.225E-20	2.332E-32	0.	0.	0.	0.	1.300E+03
0.	4.914E-16	2.499E-01	2.182E-20	2.792E-31	0.	0.	0.	0.	1.400E+03
0.	7.631E-15	2.499E-01	2.130E-20	2.326E-30	0.	0.	0.	0.	1.500E+03
0.	4.302E-14	2.500E-01	2.015E-20	1.469E-29	0.	0.	0.	0.	1.600E+03
0.	6.948E-13	2.500E-01	1.915E-20	7.349E-28	0.	0.	0.	0.	1.700E+03
0.	4.569E-12	2.500E-01	1.813E-20	3.040E-26	0.	0.	0.	0.	1.800E+03
1.230E-24	2.466E-11	2.500E-01	1.711E-20	1.099E-27	0.	0.	0.	0.	1.900E+03
2.124E-22	1.124E-10	2.499E-01	1.644E-20	3.899E-27	0.	0.	0.	0.	2.000E+03
6.948E-21	4.451E-09	2.499E-01	6.537E-20	4.075E-26	1.370E-28	0.	0.	0.	2.100E+03
6.025E-20	1.554E-09	2.498E-01	4.257E-19	7.044E-25	3.833E-27	0.	0.	0.	2.200E+03
6.833E-19	4.868E-09	2.497E-01	2.574E-18	1.057E-23	7.366E-26	0.	0.	0.	2.300E+03
4.839E-18	1.387E-08	2.496E-01	1.364E-17	1.275E-22	1.085E-24	0.	0.	0.	2.400E+03
2.847E-17	3.638E-08	2.493E-01	6.356E-17	1.261E-21	1.293E-23	0.	0.	0.	2.500E+03
1.507E-16	9.857E-08	2.490E-01	2.629E-16	1.052E-20	1.268E-22	0.	0.	0.	2.600E+03
6.948E-16	2.014E-07	2.485E-01	9.773E-16	7.497E-20	1.049E-21	0.	0.	0.	2.700E+03
2.866E-15	4.343E-07	2.478E-01	3.319E-15	4.652E-19	7.445E-21	0.	0.	0.	2.800E+03
1.069E-14	8.848E-07	2.464E-01	1.035E-14	2.549E-18	4.607E-20	0.	0.	0.	2.900E+03
3.641E-14	1.720E-06	2.458E-01	3.029E-14	1.249E-17	2.520E-19	0.	0.	0.	3.000E+03
1.142E-13	3.201E-06	2.444E-01	8.220E-14	5.546E-17	1.232E-18	0.	0.	0.	3.100E+03
3.304E-13	5.727E-06	2.427E-01	2.098E-13	2.277E-16	5.439E-18	0.	0.	0.	3.200E+03
5.471E-13	4.885E-06	2.406E-01	5.065E-13	8.323E-16	2.186E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	1.045E-10	1.692E-05	1.225E-05	3.795E-05	1.260E-09	9.523E-02	6.664E-01	1.504E-11	9.055E-11
3.500E+03	2.331E-10	1.529E-05	1.389E-05	5.191E-05	1.508E-09	1.184E-01	6.463E-01	3.200E-11	2.041E-10
3.600E+03	4.973E-10	1.373E-05	1.552E-05	6.945E-05	1.771E-09	1.449E-01	6.231E-01	6.501E-11	4.394E-10
3.700E+03	1.017E-09	1.224E-05	1.706E-05	9.090E-05	2.039E-09	1.746E-01	5.970E-01	1.265E-10	9.046E-10
3.800E+03	2.000E-09	1.082E-05	1.847E-05	1.166E-04	2.374E-09	2.078E-01	5.681E-01	2.364E-10	1.790E-09
3.900E+03	3.794E-09	9.469E-06	1.969E-05	1.471E-04	2.759E-09	2.437E-01	5.366E-01	4.251E-10	3.438E-09
4.000E+03	6.958E-09	8.203E-06	2.067E-05	1.820E-04	3.283E-09	2.820E-01	5.030E-01	7.373E-10	6.354E-09
4.100E+03	1.236E-08	7.028E-06	2.137E-05	2.213E-04	3.977E-09	3.223E-01	4.677E-01	1.236E-09	1.137E-08
4.200E+03	2.133E-08	5.953E-06	2.177E-05	2.647E-04	4.830E-09	3.639E-01	4.313E-01	2.005E-09	1.975E-08
4.300E+03	3.580E-08	4.984E-06	2.187E-05	3.117E-04	5.837E-09	4.061E-01	3.943E-01	3.153E-09	3.335E-08
4.400E+03	5.855E-08	4.125E-06	2.146E-05	3.619E-04	6.995E-09	4.482E-01	3.574E-01	4.817E-09	5.486E-08
4.500E+03	9.346E-08	3.376E-06	2.117E-05	4.144E-04	8.305E-09	4.893E-01	3.213E-01	7.159E-09	8.804E-08
4.600E+03	1.458E-07	2.734E-06	2.045E-05	4.685E-04	9.770E-09	5.289E-01	2.865E-01	1.037E-08	1.380E-07
4.700E+03	2.228E-07	2.193E-06	1.952E-05	5.237E-04	1.136E-08	5.663E-01	2.536E-01	1.465E-08	2.118E-07
4.800E+03	3.336E-07	1.744E-06	1.845E-05	5.792E-04	1.309E-08	6.011E-01	2.229E-01	2.023E-08	3.183E-07
4.900E+03	4.904E-07	1.376E-06	1.728E-05	6.346E-04	1.508E-08	6.330E-01	1.948E-01	2.736E-08	4.694E-07
5.000E+03	7.085E-07	1.080E-06	1.606E-05	6.892E-04	1.734E-08	6.617E-01	1.694E-01	3.630E-08	6.890E-07
5.200E+03	1.411E-06	6.569E-07	1.362E-05	7.954E-04	2.483E-09	7.098E-01	1.264E-01	6.063E-08	1.359E-06
5.400E+03	2.657E-06	3.966E-07	1.135E-05	8.958E-04	2.954E-09	7.462E-01	9.376E-02	9.343E-08	2.563E-06
5.600E+03	4.769E-06	2.398E-07	9.353E-06	9.895E-04	3.495E-09	7.726E-01	6.931E-02	1.430E-07	4.956E-06
5.800E+03	8.206E-06	1.461E-07	7.665E-06	1.076E-03	4.156E-09	7.910E-01	5.139E-02	2.059E-07	7.885E-06
6.000E+03	1.361E-05	8.995E-08	6.265E-06	1.154E-03	4.922E-09	8.033E-01	3.834E-02	2.866E-07	1.301E-05
6.200E+03	2.184E-05	5.610E-08	5.116E-06	1.222E-03	5.799E-09	8.109E-01	2.885E-02	3.875E-07	2.072E-05
6.400E+03	3.409E-05	3.544E-08	4.175E-06	1.279E-03	6.744E-10	8.147E-01	2.191E-02	5.110E-07	3.199E-05
6.600E+03	5.183E-05	2.266E-08	3.404E-06	1.323E-03	7.847E-10	8.177E-01	1.681E-02	6.592E-07	4.801E-05
6.800E+03	7.700E-05	1.464E-08	2.772E-06	1.354E-03	9.067E-10	8.144E-01	1.302E-02	8.340E-07	7.022E-05
7.000E+03	1.120E-04	9.541E-09	2.252E-06	1.348E-03	1.049E-09	8.113E-01	1.019E-02	1.037E-06	1.005E-04
7.200E+03	1.598E-04	6.267E-09	1.824E-06	1.366E-03	1.209E-09	8.068E-01	8.043E-03	1.269E-06	1.402E-04
7.400E+03	2.241E-04	4.143E-09	1.472E-06	1.347E-03	1.395E-09	8.012E-01	6.410E-03	1.531E-06	1.923E-04
7.600E+03	3.090E-04	2.754E-09	1.163E-06	1.312E-03	1.595E-09	7.949E-01	5.155E-03	1.826E-06	2.590E-04
7.800E+03	4.198E-04	1.840E-09	9.469E-07	1.262E-03	1.810E-09	7.884E-01	4.183E-03	2.156E-06	3.436E-04
8.000E+03	5.621E-04	1.236E-09	7.552E-07	1.201E-03	2.041E-09	7.819E-01	3.429E-03	2.523E-06	4.495E-04
8.200E+03	7.426E-04	8.347E-10	6.005E-07	1.130E-03	2.283E-09	7.758E-01	2.836E-03	2.932E-06	5.807E-04
8.400E+03	9.687E-04	5.676E-10	4.767E-07	1.054E-03	2.536E-09	7.702E-01	2.360E-03	3.388E-06	7.421E-04
8.600E+03	1.249E-03	3.888E-10	3.782E-07	9.752E-04	2.794E-09	7.652E-01	1.995E-03	3.897E-06	9.389E-04
8.800E+03	1.591E-03	2.688E-10	3.003E-07	8.971E-04	3.062E-09	7.609E-01	1.696E-03	4.462E-06	1.177E-03
9.000E+03	2.007E-03	1.872E-10	2.389E-07	8.218E-04	3.357E-09	7.573E-01	1.453E-03	5.088E-06	1.463E-03
9.200E+03	2.506E-03	1.317E-10	1.907E-07	7.507E-04	3.661E-09	7.541E-01	1.254E-03	5.781E-06	1.804E-03
9.400E+03	3.100E-03	9.359E-11	1.528E-07	6.847E-04	3.974E-09	7.514E-01	1.089E-03	6.542E-06	2.208E-03
9.600E+03	3.803E-03	6.716E-11	1.230E-07	6.242E-04	4.294E-09	7.489E-01	9.524E-04	7.375E-06	2.683E-03
9.800E+03	4.624E-03	4.866E-11	9.942E-08	5.691E-04	4.624E-09	7.464E-01	8.371E-04	8.282E-06	3.237E-03
1.000E+04	5.585E-03	3.559E-11	8.078E-08	5.193E-04	4.964E-09	7.444E-01	7.394E-04	9.264E-06	3.795E-03
1.100E+04	6.699E-02	8.454E-12	E-08	3.347E-04	1.474E-12	7.320E-01	4.212E-04	1.530E-05	8.759E-03
1.200E+04	2.409E-02	2.361E-12	E-08	2.221E-04	3.994E-13	7.130E-01	2.559E-04	2.304E-05	1.737E-02
1.300E+04	4.699E-02	7.264E-13	5.002E-09	1.490E-04	1.178E-13	6.834E-01	1.605E-04	3.191E-05	3.102E-02
1.400E+04	7.706E-02	2.320E-13	2.495E-09	9.883E-05	3.707E-14	6.413E-01	1.013E-04	4.068E-05	5.073E-02
1.500E+04	1.165E-01	7.314E-14	1.085E-09	6.351E-05	1.057E-14	5.855E-01	6.295E-05	4.782E-05	7.692E-02
1.600E+04	1.640E-01	2.183E-14	4.679E-10	3.884E-05	2.934E-15	5.178E-01	3.780E-05	5.178E-05	1.091E-01
1.700E+04	2.163E-01	5.979E-15	1.718E-10	2.232E-05	7.404E-16	4.419E-01	2.164E-05	5.161E-05	1.457E-01
1.800E+04	2.694E-01	1.477E-15	6.060E-11	1.209E-05	1.675E-16	3.636E-01	1.171E-05	4.761E-05	1.842E-01
1.900E+04	3.190E-01	3.294E-16	1.969E-11	6.050E-06	3.414E-17	2.891E-01	5.990E-06	4.033E-05	2.216E-01
2.000E+04	3.618E-01	6.740E-17	5.981E-12	2.900E-06	6.403E-18	2.233E-01	2.915E-06	3.207E-05	2.553E-01
2.100E+04	3.965E-01	1.305E-17	1.740E-12	1.345E-06	1.144E-18	1.690E-01	1.369E-06	2.418E-05	2.836E-01
2.200E+04	4.232E-01	2.474E-18	4.984E-13	6.156E-07	2.020E-19	1.266E-01	6.307E-07	1.755E-05	3.060E-01
2.300E+04	4.430E-01	4.747E-19	1.440E-13	2.829E-07	3.645E-20	9.473E-02	2.900E-07	1.246E-05	3.230E-01
2.400E+04	4.574E-01	9.453E-20	4.281E-14	1.322E-07	6.883E-21	7.134E-02	1.349E-07	8.755E-06	3.354E-01
2.500E+04	4.679E-01	1.987E-20	1.325E-14	6.331E-08	1.380E-21	5.435E-02	6.414E-08	6.153E-06	3.447E-01
2.600E+04	4.757E-01	4.445E-21	4.294E-15	3.119E-08	2.958E-22	4.203E-02	3.133E-08	4.350E-06	3.512E-01
2.700E+04	4.815E-01	1.062E-21	1.461E-15	1.583E-08	6.780E-23	3.304E-02	1.578E-08	3.105E-06	3.598E-01
2.800E+04	4.862E-01	2.709E-22	5.212E-16	8.255E-09	1.656E-23	2.641E-02	8.197E-09	2.263E-06	3.589E-01
2.900E+04	4.903E-01	7.341E-23	1.943E-16	4.414E-09	4.284E-24	2.145E-02	4.394E-09	1.640E-06	3.608E-01
3.000E+04	4.941E-01	2.103E-23	7.528E-17	2.410E-09	1.163E-24	1.769E-02	2.427E-09	1.214E-06	3.617E-01
3.100E+04	4.980E-01	6.325E-24	3.016E-17	1.338E-09	3.281E-25	1.479E-02	1.379E-09	9.101E-07	3.617E-01
3.200E+04	5.022E-01	1.944E-24	1.242E-17	7.508E-10	9.521E-26	1.253E-02	8.051E-10	6.897E-07	3.608E-01
3.300E+04	5.068E-01	6.446E-25	5.225E-18	4.242E-10	2.814E-26	1.074E-02	4.819E-10	5.283E-07	3.592E-01
3.400E+04	5.117E-01	2.156E-25	2.234E-18	2.403E-10	8.404E-27	9.303E-02	2.953E-10	4.088E-07	3.592E-01
3.500E+04	5.168E-01	7.392E-26	9.687E-19	1.362E-10	2.521E-27	8.132E-03	1.849E-10	3.194E-07	3.543E-01
3.600E+04	5.219E-01	2.590E-26	4.244E-19	7.705E-11	7.574E-28	7.169E-03	1.182E-10	2.520E-07	3.514E-01
3.700E+04	5.268E-01	9.259E-27	1.878E-19	4.355E-11	2.279E-28	6.367E-03	7.696E-11	2.008E-07	3.485E-01
3.800E+04	5.313E-01	3.377E-27	6.402E-20	2.462E-11	6.884E-29	5.693E-03	5.102E-11	1.614E-07	3.448E-01
3.900E+04	5.354E-01	1.256E-27	3.804E-20	1.395E-11	2.095E-29	5.122E-03	3.440E-11	1.310E-07	3.433E-01
4.000E+04	5.389E-01	4.789E-28	1.746E-20	7.937E-12	6.449E-30	4.634E-03	2.356E-11	1.073E-07	3.412E-01
4.100E+04	5.420E-01	1.865E-28	8.132E-21	4.544E-12	2.016E-30	4.214E-03	1.637E-11	8.955E-08	3.393E-01
4.200E+04	5.446E-01	7.439E-29	3.850E-21	2.623E-12	6.419E-31	3.849E-03	1.154E-11	7.88E-08	3.377E-01
4.300E+04	5.468E-01	3.037E-29	1.854E-21	1.528E-12	2.087E-31	3.531E-03	8.242E-12	6.797E-08	3.363E-01
4.400E+04	5.488E-01	1.270E-29	9.079E-22	8.985E-13	0.	3.251E-03	5.958E-12	5.210E-08	3.351E-01
4.500E+04	5.507E-01	5.428E-30	4.521E-22	5.338E-13	0.	3.004E-03	4.357E-12	4.423E-08	3.340E-01
4.600E+04	5.524E-01	2.371E-30	2.288E-22	3.202E-13	0.	2.784E-03	3.220E-12	3.775E-08	3.329E-01
4.700E+04	5.542E-01	1.057E-30	1.175E-22	1.938E-13	0.	2.587E-03	2.404E-12	3.239E-08	3.318E-01
4.800E+04	5.560E-01	4.799E-31	6.116E-23	1.182E-13	0.	2.411E-03	1.812E-12	2.791E-08	3.306E-01
4.900E+04	5.579E-01	2.215E-31	3.224E-23	7.261E-14	0.	2.252E-03	1.374E-12	2.416E-08	3.293E-01
5.000E+04	5.600E-01	1.034E-31	1.719E-23	4.484E-14	0.	2.107E-03	1.056E-12	2.099E-08	3.279E-01

TABLE II.- Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.294E-12	1.651E-05	2.381E-01	1.162E-12	2.871E-15	8.093E-17	0.	0.	0.	3.400E+03
5.505E-12	2.675E-05	2.351E-01	2.544E-12	9.241E-15	2.761E-16	0.	0.	0.	3.500E+03
4.215E-11	4.215E-05	2.310E-01	5.336E-12	2.792E-14	8.777E-16	0.	0.	0.	3.600E+03
2.698E-11	6.472E-05	2.281E-01	1.076E-11	7.961E-14	2.610E-15	0.	0.	0.	3.700E+03
5.550E-11	9.705E-05	2.239E-01	2.093E-11	2.152E-13	7.297E-15	0.	0.	0.	3.800E+03
1.091E-10	1.424E-04	2.194E-01	3.939E-11	5.539E-13	1.926E-14	0.	0.	0.	3.900E+03
2.057E-10	2.046E-04	2.145E-01	7.148E-11	1.363E-12	4.821E-14	0.	0.	0.	4.000E+03
3.725E-10	2.886E-04	2.094E-01	1.275E-10	3.216E-12	1.149E-13	0.	0.	0.	4.100E+03
6.497E-10	3.999E-04	2.041E-01	2.205E-10	7.302E-12	2.413E-13	0.	0.	0.	4.200E+03
1.093E-09	5.454E-04	1.987E-01	3.723E-10	1.600E-11	5.494E-13	0.	0.	0.	4.300E+03
1.780E-09	7.327E-04	1.933E-01	6.153E-10	3.394E-11	1.192E-12	0.	0.	0.	4.400E+03
2.807E-09	9.711E-04	1.880E-01	9.969E-10	6.983E-11	2.405E-12	0.	0.	0.	4.500E+03
4.297E-09	1.271E-03	1.829E-01	1.586E-09	1.397E-10	4.686E-12	0.	0.	0.	4.600E+03
6.398E-09	1.644E-03	1.779E-01	2.482E-09	2.721E-10	8.839E-12	0.	0.	0.	4.700E+03
9.285E-09	2.104E-03	1.732E-01	3.826E-09	5.174E-10	1.618E-11	0.	0.	0.	4.800E+03
1.316E-08	2.666E-03	1.689E-01	5.815E-09	9.613E-10	2.895E-11	0.	0.	0.	4.900E+03
1.824E-08	3.348E-03	1.648E-01	8.721E-09	1.748E-09	5.030E-11	0.	0.	0.	5.000E+03
3.104E-08	5.149E-03	1.577E-01	1.890E-08	5.440E-09	1.415E-10	0.	0.	0.	5.200E+03
5.547E-08	7.682E-03	1.515E-01	3.912E-08	1.571E-08	3.860E-10	0.	0.	0.	5.400E+03
8.968E-08	1.115E-02	1.460E-01	7.747E-08	4.256E-08	8.794E-10	0.	0.	0.	5.600E+03
1.372E-07	1.576E-02	1.407E-01	1.465E-07	1.071E-07	1.978E-09	0.	0.	0.	5.800E+03
2.020E-07	2.175E-02	1.354E-01	2.670E-07	2.551E-07	4.195E-09	1.932E-25	0.	0.	6.000E+03
2.879E-07	2.931E-02	1.297E-01	4.653E-07	5.739E-07	8.426E-09	1.860E-24	0.	0.	6.200E+03
3.990E-07	3.862E-02	1.244E-01	7.778E-07	1.224E-06	1.610E-08	1.552E-23	0.	0.	6.400E+03
5.398E-07	4.978E-02	1.182E-01	1.247E-06	2.482E-06	2.938E-08	1.135E-22	0.	0.	6.600E+03
7.149E-07	6.277E-02	1.108E-01	1.919E-06	4.797E-06	5.133E-08	7.339E-22	0.	0.	6.800E+03
9.290E-07	7.748E-02	9.943E-02	2.832E-06	8.857E-06	8.608E-08	4.232E-21	0.	0.	7.000E+03
1.187E-06	9.363E-02	8.988E-02	4.012E-06	1.565E-05	1.988E-07	2.194E-20	0.	0.	7.200E+03
1.494E-06	1.108E-01	7.903E-02	5.455E-06	2.653E-05	2.157E-07	1.029E-19	0.	0.	7.400E+03
1.854E-06	1.284E-01	6.498E-02	7.123E-06	4.323E-05	3.232E-07	4.398E-19	0.	0.	7.600E+03
2.274E-06	1.469E-01	5.446E-02	8.942E-06	6.742E-05	4.681E-07	1.723E-18	0.	0.	7.800E+03
2.757E-06	1.625E-01	4.903E-02	1.081E-05	1.027E-04	6.562E-07	6.229E-18	0.	0.	8.000E+03
3.348E-06	1.774E-01	4.099E-02	1.261E-05	1.505E-04	8.921E-07	2.389E-17	0.	0.	8.200E+03
3.934E-06	1.913E-01	3.318E-02	1.424E-05	2.140E-04	1.179E-06	6.544E-17	0.	0.	8.400E+03
4.637E-06	2.028E-01	2.646E-02	1.567E-05	2.963E-04	1.519E-06	1.924E-16	0.	0.	8.600E+03
5.423E-06	2.124E-01	2.094E-02	1.681E-05	4.003E-04	1.912E-06	5.343E-16	0.	0.	8.800E+03
6.258E-06	2.201E-01	1.638E-02	1.766E-05	5.294E-04	2.360E-06	1.408E-15	0.	0.	9.000E+03
7.258E-06	2.261E-01	1.276E-02	1.829E-05	6.877E-04	2.861E-06	3.537E-15	0.	0.	9.200E+03
8.408E-06	2.307E-01	9.932E-03	1.864E-05	8.786E-04	3.417E-06	8.509E-15	0.	0.	9.400E+03
9.635E-06	2.341E-01	7.735E-03	1.892E-05	1.107E-03	4.027E-06	1.967E-14	0.	0.	9.600E+03
1.086E-05	2.366E-01	6.037E-03	1.900E-05	1.377E-03	4.691E-06	4.386E-14	0.	0.	9.800E+03
1.202E-05	2.384E-01	4.727E-03	1.897E-05	1.694E-03	5.401E-06	9.452E-14	0.	0.	1.000E+04
1.315E-05	2.394E-01	3.489E-03	1.786E-05	2.162E-03	6.277E-06	2.863E-12	0.	0.	1.100E+04
1.424E-05	2.397E-01	2.527E-03	1.601E-05	2.718E-03	7.153E-06	4.905E-11	0.	0.	1.200E+04
1.529E-05	2.384E-01	1.841E-03	1.343E-05	3.494E-03	8.141E-06	5.446E-10	6.232E-25	0.	1.300E+04
1.631E-05	2.352E-01	1.422E-03	1.142E-05	4.635E-03	9.299E-06	7.447E-23	0.	0.	1.400E+04
1.730E-05	2.301E-01	1.087E-03	8.928E-06	6.192E-03	1.077E-05	2.580E-08	4.842E-21	0.	1.500E+04
1.825E-05	2.234E-01	8.331E-04	6.542E-06	8.490E-03	1.276E-05	1.236E-07	1.927E-19	0.	1.600E+04
1.918E-05	2.152E-01	6.073E-04	4.469E-06	1.067E-02	1.481E-05	4.917E-07	5.142E-18	0.	1.700E+04
2.009E-05	2.057E-01	4.499E-04	2.849E-06	1.425E-02	1.675E-06	9.864E-17	0.	0.	1.800E+04
2.098E-05	1.952E-01	3.247E-04	1.711E-06	1.873E-02	1.826E-05	5.013E-06	1.438E-13	0.	1.900E+04
2.184E-05	1.837E-01	2.301E-04	8.833E-07	2.406E-02	1.977E-05	1.349E-05	1.465E-14	0.	2.000E+04
2.267E-05	1.704E-01	1.618E-04	5.515E-07	3.129E-02	2.164E-05	3.320E-05	1.583E-13	0.	2.100E+04
2.348E-05	1.557E-01	1.108E-04	3.075E-07	4.070E-02	2.327E-05	7.586E-05	1.268E-12	0.	2.200E+04
2.427E-05	1.404E-01	7.288E-05	1.728E-07	5.241E-02	2.461E-05	1.624E-04	8.718E-12	0.	2.300E+04
2.504E-05	1.244E-01	4.938E-05	9.879E-08	6.821E-02	2.564E-05	3.294E-04	5.229E-11	0.	2.400E+04
2.579E-05	1.074E-01	3.267E-05	5.767E-08	8.922E-02	2.635E-05	4.350E-04	2.769E-10	0.	2.500E+04
2.652E-05	9.042E-02	2.133E-05	3.441E-08	1.121E-01	2.681E-05	5.011E-07	1.168E-03	1.309E-09	2.600E+04
2.724E-05	7.282E-02	1.432E-05	2.094E-08	1.402E-01	2.742E-05	5.057E-07	2.057E-03	5.567E-09	2.700E+04
2.795E-05	5.530E-02	1.000E-05	1.295E-08	1.704E-01	2.786E-05	4.221E-07	3.474E-03	2.147E-08	2.800E+04
2.865E-05	3.787E-02	6.088E-06	8.088E-09	2.018E-01	2.814E-05	2.946E-07	5.634E-03	7.550E-08	2.900E+04
2.934E-05	2.816E-02	4.150E-06	5.071E-09	2.341E-01	2.837E-05	2.077E-07	8.772E-03	2.431E-07	3.000E+04
3.002E-05	2.166E-02	2.742E-06	3.167E-09	2.674E-01	2.851E-05	1.473E-07	1.310E-02	7.187E-07	3.100E+04
3.069E-05	1.740E-02	1.954E-06	1.954E-09	3.019E-01	2.866E-05	1.046E-07	1.875E-02	1.957E-06	3.200E+04
3.135E-05	1.358E-02	1.184E-06	1.184E-09	3.341E-01	2.872E-05	7.421E-08	2.570E-02	4.918E-06	3.300E+04
3.200E-05	1.051E-02	6.998E-07	6.998E-10	3.664E-01	2.878E-05	5.236E-08	3.376E-02	1.145E-05	3.400E+04
3.264E-05	8.032E-03	4.026E-07	4.026E-10	3.987E-01	2.884E-05	3.666E-08	4.252E-02	2.480E-05	3.500E+04
3.327E-05	6.067E-03	2.254E-07	2.254E-10	4.309E-01	2.890E-05	2.544E-08	5.153E-02	5.025E-05	3.600E+04
3.389E-05	4.530E-03	1.231E-07	1.231E-10	4.624E-01	2.896E-05	1.749E-08	6.028E-02	9.502E-05	3.700E+04
3.450E-05	3.350E-03	6.582E-07	6.582E-11	4.938E-01	2.902E-05	1.194E-08	6.838E-02	1.732E-04	3.800E+04
3.510E-05	2.499E-03	3.467E-07	3.467E-11	5.251E-01	2.908E-05	8.107E-09	7.555E-02	2.984E-04	3.900E+04
3.569E-05	1.796E-03	1.808E-07	1.808E-11	5.564E-01	2.914E-05	5.488E-09	8.167E-02	4.933E-04	4.000E+04
3.627E-05	1.308E-03	9.391E-07	9.391E-12	5.877E-01	2.920E-05	3.710E-09	8.669E-02	7.864E-04	4.100E+04
3.684E-05	9.520E-04	4.877E-07	4.877E-12	6.190E-01	2.926E-05	2.513E-09	9.065E-02	1.214E-03	4.200E+04
3.740E-05	6.944E-04	2.737E-07	2.737E-12	6.504E-01	2.932E-05	1.707E-09	9.361E-02	1.822E-03	4.300E+04
3.795E-05	5.078E-04	1.252E-07	1.252E-12	6.818E-01	2.938E-05	1.164E-09	9.563E-02	2.663E-03	4.400E+04
3.850E-05	3.722E-04	5.781E-08	5.781E-13	7.133E-01	2.944E-05	7.979E-10	9.678E-02	3.801E-03	4.500E+04
3.904E-05	2.736E-04	2.696E-08	2.696E-13	7.448E-01	2.950E-05	5.495E-10	9.703E-02	5.305E-03	4.600E+04
3.958E-05	2.016E-04	1.270E-08	1.270E-13	7.764E-01	2.956E-05	3.801E-10	9.645E-02	7.244E-03	4.700E+04
4.011E-05	1.489E-04	6.001E-09	6.001E-14	8.080E-01	2.962E-05	2.639E-10	9.501E-02	9.685E-03	4.800E+04
4.064E-05	1.100E-04	2.879E-09	2.879E-14	8.400E-01	2.968E-05	1.838E-10	9.272E-02	1.268E-02	4.900E+04
4.117E-05	8.133E-05	1.580E-09	1.580E-14	8.720E-01	2.974E-05	1.283E-10	8.960E-02	1.629E-02	5.000E+04

TABLE II.- Continued

P/P0 = 1.80E+01

T	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
5.000E+02	0.	4.846E-01	1.589E-20	8.328E-35	1.328E-28	1.028E-21	3.885E-01	1.257E-18	1.327E-21
6.000E+02	0.	1.800E-01	2.508E-17	7.566E-29	1.480E-24	8.697E-18	6.330E-01	9.751E-19	4.304E-21
7.000E+02	0.	4.432E-02	3.385E-15	1.094E-24	7.158E-22	5.045E-15	7.168E-01	8.658E-19	1.230E-20
8.000E+02	0.	1.438E-02	1.189E-13	1.349E-21	6.362E-20	5.887E-13	7.392E-01	8.203E-19	2.891E-20
9.000E+02	0.	5.704E-03	1.846E-12	3.369E-19	2.010E-18	2.384E-11	7.457E-01	7.822E-19	5.859E-20
1.000E+03	0.	2.677E-03	1.625E-11	2.777E-17	3.152E-17	4.632E-10	7.480E-01	7.383E-19	9.548E-20
1.100E+03	0.	1.430E-03	9.625E-11	2.925E-15	2.992E-16	5.277E-09	7.489E-01	4.877E-19	1.435E-19
1.200E+03	0.	8.453E-04	4.214E-10	2.064E-14	1.955E-15	4.027E-08	7.494E-01	6.329E-19	1.970E-19
1.300E+03	0.	5.412E-04	1.467E-09	2.636E-13	9.598E-15	2.257E-07	7.496E-01	5.772E-19	9.722E-19
1.400E+03	0.	3.695E-04	4.269E-09	2.325E-12	3.765E-14	9.921E-07	7.497E-01	5.234E-19	3.062E-19
1.500E+03	3.495E-33	2.657E-04	1.077E-08	1.563E-11	1.235E-13	3.590E-06	7.498E-01	4.735E-19	3.567E-19
1.600E+03	8.024E-30	1.993E-04	2.418E-08	8.064E-11	3.500E-13	1.109E-05	7.498E-01	4.283E-19	4.027E-19
1.700E+03	7.569E-27	1.549E-04	4.938E-08	3.469E-10	8.804E-13	3.004E-05	7.499E-01	3.882E-19	4.438E-19
1.800E+03	3.395E-24	1.240E-04	9.312E-08	1.269E-09	2.004E-12	7.299E-05	7.499E-01	3.529E-19	4.800E-19
1.900E+03	8.121E-22	1.018E-04	1.643E-07	4.050E-09	4.179E-12	1.617E-04	7.499E-01	3.224E-19	5.123E-19
2.000E+03	1.018E-19	8.529E-05	2.737E-07	1.151E-08	8.164E-12	3.314E-04	7.499E-01	3.006E-19	6.041E-19
2.100E+03	2.533E-18	7.278E-05	4.345E-07	2.962E-08	1.495E-11	6.348E-04	7.499E-01	1.002E-18	2.245E-18
2.200E+03	2.213E-17	6.305E-05	6.611E-07	6.994E-08	2.594E-11	1.147E-03	7.499E-01	6.809E-18	1.504E-17
2.300E+03	1.454E-16	5.534E-05	9.894E-07	1.532E-07	4.295E-11	1.970E-03	7.499E-01	4.037E-17	1.043E-16
2.400E+03	8.117E-16	4.911E-05	1.376E-06	3.143E-07	6.824E-11	3.235E-03	7.499E-01	2.092E-16	5.950E-16
2.500E+03	3.948E-15	4.399E-05	1.897E-06	6.088E-07	1.045E-10	5.107E-03	7.499E-01	9.532E-16	2.963E-15
2.600E+03	1.704E-14	3.969E-05	2.549E-06	1.119E-06	1.548E-10	7.784E-03	7.499E-01	5.871E-15	1.306E-14
2.700E+03	6.611E-14	3.603E-05	3.344E-06	1.965E-06	2.225E-10	1.150E-02	7.399E-01	1.418E-14	5.164E-14
2.800E+03	2.332E-13	3.288E-05	4.294E-06	3.311E-06	3.113E-10	1.650E-02	7.355E-01	4.737E-14	1.854E-13
2.900E+03	7.552E-13	3.006E-05	5.404E-06	5.373E-06	4.244E-10	2.309E-02	7.298E-01	1.456E-13	6.100E-13
3.000E+03	2.264E-12	2.755E-05	6.675E-06	8.427E-06	5.650E-10	3.156E-02	7.224E-01	4.152E-13	1.855E-12
3.100E+03	6.326E-12	2.525E-05	8.099E-06	1.281E-05	7.355E-10	4.221E-02	7.130E-01	1.106E-12	5.253E-12
3.200E+03	1.659E-11	2.313E-05	9.661E-06	1.892E-05	9.371E-10	5.534E-02	7.015E-01	2.765E-12	1.394E-11
3.300E+03	4.102E-11	2.114E-05	1.134E-05	2.719E-05	1.170E-09	7.122E-02	6.876E-01	6.528E-12	3.489E-11
3.400E+03	9.619E-11	1.925E-05	1.309E-05	3.813E-05	1.431E-09	9.009E-02	6.711E-01	1.461E-11	8.249E-11
3.500E+03	2.147E-10	1.745E-05	1.489E-05	5.222E-05	1.717E-09	1.121E-01	6.519E-01	3.114E-11	1.865E-10
3.600E+03	4.541E-10	1.573E-05	1.667E-05	6.996E-05	2.021E-09	1.374E-01	6.297E-01	6.339E-11	4.019E-10
3.700E+03	9.373E-10	1.428E-05	1.838E-05	9.179E-05	2.335E-09	1.658E-01	6.048E-01	8.297E-10	8.297E-10
3.800E+03	1.844E-09	1.250E-05	1.996E-05	1.181E-04	2.648E-09	1.974E-01	5.771E-01	2.315E-10	1.647E-09
3.900E+03	3.531E-09	1.100E-05	2.135E-05	1.490E-04	2.950E-09	2.319E-01	5.469E-01	6.174E-10	3.153E-09
4.000E+03	6.425E-09	9.582E-06	2.251E-05	1.848E-04	3.227E-09	2.689E-01	5.145E-01	7.259E-10	5.832E-09
4.100E+03	1.143E-08	8.263E-06	2.338E-05	2.252E-04	3.469E-09	3.080E-01	4.803E-01	1.220E-09	1.045E-08
4.200E+03	1.973E-08	7.048E-06	2.393E-05	2.701E-04	3.667E-09	3.485E-01	4.488E-01	1.987E-09	1.817E-08
4.300E+03	3.315E-08	5.946E-06	2.418E-05	3.190E-04	3.813E-09	3.898E-01	4.086E-01	3.137E-09	3.073E-08
4.400E+03	5.427E-08	4.960E-06	2.406E-05	3.713E-04	3.904E-09	4.312E-01	3.722E-01	4.811E-09	5.062E-08
4.500E+03	8.673E-08	4.093E-06	2.365E-05	4.245E-04	3.939E-09	4.721E-01	3.364E-01	7.179E-09	8.135E-08
4.600E+03	1.355E-07	3.343E-06	2.297E-05	4.836E-04	3.920E-09	5.116E-01	3.016E-01	1.064E-08	1.277E-07
4.700E+03	2.072E-07	2.703E-06	2.205E-05	5.421E-04	3.853E-09	5.494E-01	2.684E-01	1.480E-08	1.963E-07
4.800E+03	3.137E-07	2.167E-06	2.096E-05	6.012E-04	3.745E-09	5.867E-01	2.373E-01	2.055E-08	2.955E-07
4.900E+03	4.573E-07	1.725E-06	1.974E-05	6.604E-04	3.604E-09	6.174E-01	2.095E-01	2.782E-08	4.344E-07
5.000E+03	6.815E-07	1.364E-06	1.844E-05	7.191E-04	3.435E-09	6.471E-01	1.822E-01	3.718E-08	6.331E-07
5.100E+03	1.320E-06	8.410E-07	1.578E-05	8.334E-04	3.067E-09	6.974E-01	1.375E-01	4.254E-08	1.269E-06
5.200E+03	2.491E-06	5.137E-07	1.324E-05	9.420E-04	2.679E-09	7.361E-01	1.027E-01	5.911E-08	2.348E-06
5.300E+03	4.476E-06	3.136E-07	1.098E-05	1.044E-03	2.308E-09	7.647E-01	7.459E-02	1.493E-07	4.308E-06
5.400E+03	7.710E-06	1.925E-07	9.047E-06	1.137E-03	1.970E-09	7.850E-01	5.693E-02	2.159E-07	7.403E-06
5.500E+03	1.240E-05	1.193E-07	7.427E-06	1.222E-03	1.670E-09	7.988E-01	4.756E-02	3.014E-07	1.223E-05
5.600E+03	2.056E-05	7.480E-08	6.087E-06	1.297E-03	1.407E-09	8.077E-01	3.270E-02	4.086E-07	1.950E-05
5.700E+03	3.204E-05	4.748E-08	4.985E-06	1.361E-03	1.178E-09	8.126E-01	2.452E-02	5.401E-07	3.014E-05
5.800E+03	4.874E-05	3.049E-08	4.079E-06	1.412E-03	9.787E-10	8.144E-01	1.885E-02	6.981E-07	4.527E-05
5.900E+03	7.248E-05	1.978E-08	3.333E-06	1.448E-03	8.043E-10	8.139E-01	1.443E-02	8.847E-07	6.626E-05
6.000E+03	1.054E-04	1.295E-08	2.717E-06	1.467E-03	6.574E-10	8.116E-01	1.146E-02	1.101E-06	9.470E-05
6.100E+03	1.505E-04	8.546E-09	2.209E-06	1.470E-03	5.295E-10	8.073E-01	9.061E-03	1.350E-06	1.325E-04
6.200E+03	2.139E-04	5.675E-09	1.790E-06	1.455E-03	4.204E-10	8.022E-01	7.279E-03	1.631E-06	1.818E-04
6.300E+03	2.409E-04	3.790E-09	1.445E-06	1.422E-03	3.297E-10	7.962E-01	5.819E-03	1.944E-06	2.450E-04
6.400E+03	3.452E-04	2.544E-09	1.162E-06	1.374E-03	2.545E-10	7.899E-01	4.766E-03	2.299E-06	3.251E-04
6.500E+03	5.242E-04	1.716E-09	9.304E-07	1.312E-03	1.936E-10	7.835E-01	3.874E-03	2.691E-06	4.253E-04
6.600E+03	6.992E-04	1.164E-09	7.429E-07	1.240E-03	1.453E-10	7.774E-01	3.204E-03	3.127E-06	5.494E-04
6.700E+03	9.121E-04	7.946E-10	5.920E-07	1.161E-03	1.078E-10	7.717E-01	2.675E-03	3.613E-06	7.019E-04
6.800E+03	1.176E-03	5.462E-10	4.714E-07	1.074E-03	7.928E-11	7.666E-01	2.253E-03	4.153E-06	8.678E-04
6.900E+03	1.499E-03	3.784E-10	3.354E-07	9.953E-04	5.791E-11	7.622E-01	1.914E-03	4.752E-06	1.113E-03
7.000E+03	1.891E-03	2.644E-10	2.995E-07	9.143E-04	4.215E-11	7.584E-01	1.639E-03	5.417E-06	1.383E-03
7.100E+03	2.361E-03	1.864E-10	2.396E-07	8.372E-04	3.069E-11	7.551E-01	1.414E-03	6.151E-06	1.704E-03
7.200E+03	2.922E-03	1.327E-10	1.923E-07	7.652E-04	2.232E-11	7.522E-01	1.228E-03	6.958E-06	2.089E-03
7.300E+03	3.584E-03	9.534E-11	1.255E-07	6.987E-04	1.630E-11	7.497E-01	1.074E-03	7.842E-06	2.533E-03
7.400E+03	4.361E-03	6.917E-11	1.255E-07	6.380E-04	1.196E-11	7.474E-01	9.436E-04	8.804E-06	3.055E-03
7.500E+03	5.269E-03	5.045E-11	1.021E-07	5.828E-04	8.821E-12	7.452E-01	8.335E-04	9.864E-06	3.661E-03
7.600E+03	1.221E-02	1.210E-11	3.866E-08	3.772E-04	2.107E-12	7.331E-01	6.752E-04	1.627E-05	6.266E-03
7.700E+03	2.463E-02	3.402E-12	1.632E-08	2.513E-04	5.760E-13	7.151E-01	2.895E-04	2.457E-05	1.040E-02
7.800E+03	4.443E-02	1.058E-12	7.224E-09	1.494E-04	1.718E-13	6.872E-01	1.825E-04	3.411E-05	2.932E-02
7.900E+03	7.300E-02	3.432E-13	3.252E-09	1.135E-04	5.293E-14	6.470E-01	1.160E-04	4.371E-05	4.802E-02
8.000E+03	1.107E-01	1.106E-13	1.438E-09	7.378E-05	1.605E-14	5.938E-01	7.204E-05	5.176E-05	7.249E-02
8.100E+03	1.564E-01	3.401E-14	6.072E-10	4.584E-05	4.597E-15	5.297E-01	4.635E-05	5.661E-05	1.038E-01
8.200E+03	2.073E-01	9.661E-15	2.396E-10	2.886E-05	1.204E-15	4.552E-01	2.563E-05	5.714E-05	1.392E-01
8.300E+03	2.595E-01	2.491E-15	8.731E-11	1.476E-05	2.859E-16	3.784E-01	1.427E-05	5.328E-05	1.768E-01
8.400E+03	3.098E-01	5.818E-16	2.938E-11	7.627E-06	6.103E-17	3.362E-01	7.461E-06	4.609E-05	2.139E-01
8.500E+03	3.526E-01	1.247E-16	9.241E-12	3.742E-06	1.194E-17	2.377E-01	3.715E-06	3.729E-05	2.478E-01

TABLE II. - Continued

P/P0 = 1.80E+01

M	N	NZ	N2+	N*	N-	N**	N***	N****	T
0.	0.	1.288E-01	5.006E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.130E-21	4.397E-21	0.	0.	0.	0.	0.	6.000E+02
0.	7.716E-24	2.389E-01	1.127E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.122E-29	2.404E-01	1.461E-20	0.	0.	0.	0.	0.	8.000E+02
0.	6.022E-26	2.406E-01	1.766E-20	0.	0.	0.	0.	0.	9.000E+02
0.	3.531E-23	2.493E-01	2.008E-20	0.	0.	0.	0.	0.	1.000E+03
0.	6.424E-21	2.496E-01	2.167E-20	0.	0.	0.	0.	0.	1.100E+03
0.	4.363E-19	2.458E-01	2.249E-20	1.249E-33	0.	0.	0.	0.	1.200E+03
0.	1.970E-17	2.499E-01	2.265E-20	2.277E-32	0.	0.	0.	0.	1.300E+03
0.	4.633E-16	2.499E-01	2.230E-20	2.650E-31	0.	0.	0.	0.	1.400E+03
0.	7.100E-15	2.499E-01	2.162E-20	2.250E-30	0.	0.	0.	0.	1.500E+03
0.	7.884E-14	2.459E-01	2.073E-20	1.425E-29	0.	0.	0.	0.	1.600E+03
0.	6.551E-13	2.500E-01	1.976E-20	7.187E-29	0.	0.	0.	0.	1.700E+03
3.026E-27	4.307E-12	2.500E-01	1.875E-20	3.203E-28	0.	0.	0.	0.	1.800E+03
1.392E-24	2.325E-11	2.500E-01	1.774E-20	1.074E-27	0.	0.	0.	0.	1.900E+03
1.963E-22	1.761E-10	2.459E-01	1.885E-20	3.757E-27	0.	0.	0.	0.	2.000E+03
6.738E-21	1.196E-09	2.499E-01	6.354E-20	3.735E-26	1.329E-28	0.	0.	0.	2.100E+03
7.831E-20	1.603E-09	2.498E-01	4.102E-19	6.446E-25	3.750E-27	0.	0.	0.	2.200E+03
6.689E-19	4.590E-09	2.497E-01	7.474E-18	9.802E-24	7.210E-26	0.	0.	0.	2.300E+03
4.706E-18	1.306E-08	2.496E-01	1.314E-17	1.158E-22	1.065E-24	0.	0.	0.	2.400E+03
2.824E-17	3.430E-08	2.493E-01	4.124E-17	1.148E-21	1.265E-23	0.	0.	0.	2.500E+03
1.474E-16	8.352E-08	2.490E-01	2.536E-16	9.585E-21	1.240E-22	0.	0.	0.	2.600E+03
6.793E-16	1.904E-07	2.486E-01	9.430E-16	6.820E-20	1.025E-21	0.	0.	0.	2.700E+03
2.831E-15	4.393E-07	2.479E-01	3.204E-15	4.234E-19	7.275E-21	0.	0.	0.	2.800E+03
1.945E-14	8.345E-07	2.471E-01	1.003E-14	2.321E-18	4.802E-20	0.	0.	0.	2.900E+03
3.563E-14	1.622E-06	2.463E-01	7.927E-14	1.138E-17	2.462E-19	0.	0.	0.	3.000E+03
1.117E-13	3.191E-06	2.447E-01	7.447E-14	5.641E-17	1.204E-18	0.	0.	0.	3.100E+03
3.250E-13	5.404E-06	2.431E-01	2.029E-13	2.038E-16	5.315E-18	0.	0.	0.	3.200E+03
8.823E-13	9.329E-06	2.411E-01	4.400E-13	7.484E-16	2.135E-17	0.	0.	0.	3.300E+03
2.246E-12	1.558E-05	2.387E-01	1.125E-12	2.416E-15	7.905E-17	0.	0.	0.	3.400E+03
5.430E-12	2.926E-05	2.359E-01	2.463E-12	8.423E-15	2.702E-16	0.	0.	0.	3.500E+03
1.228E-11	3.392E-05	2.328E-01	4.165E-12	2.545E-14	8.544E-16	0.	0.	0.	3.600E+03
2.655E-11	6.117E-05	2.292E-01	1.045E-11	7.257E-14	2.558E-15	0.	0.	0.	3.700E+03
5.471E-11	9.176E-05	2.252E-01	2.820E-11	1.568E-13	7.157E-15	0.	0.	0.	3.800E+03
1.076E-10	1.347E-04	2.208E-01	3.820E-11	5.048E-13	1.891E-14	0.	0.	0.	3.900E+03
2.037E-10	1.936E-04	2.162E-01	6.972E-11	1.241E-12	4.740E-14	0.	0.	0.	4.000E+03
3.703E-10	2.732E-04	2.112E-01	1.237E-10	2.929E-12	1.131E-13	0.	0.	0.	4.100E+03
6.473E-10	3.768E-04	2.061E-01	2.134E-10	6.667E-12	2.576E-13	0.	0.	0.	4.200E+03
1.093E-09	5.188E-04	2.008E-01	3.611E-10	1.456E-11	5.621E-13	0.	0.	0.	4.300E+03
1.768E-09	7.068E-04	1.955E-01	5.965E-10	3.085E-11	1.174E-12	0.	0.	0.	4.400E+03
2.827E-09	9.738E-04	1.902E-01	8.659E-10	6.392E-11	2.381E-12	0.	0.	0.	4.500E+03
4.245E-09	1.325E-03	1.850E-01	1.336E-09	1.267E-10	4.665E-12	0.	0.	0.	4.600E+03
6.456E-09	1.754E-03	1.801E-01	2.401E-09	2.464E-10	8.775E-12	0.	0.	0.	4.700E+03
9.465E-09	2.346E-03	1.754E-01	3.656E-09	4.683E-10	1.608E-11	0.	0.	0.	4.800E+03
1.348E-08	3.172E-03	1.709E-01	5.609E-09	8.491E-10	2.861E-11	0.	0.	0.	4.900E+03
1.973E-08	4.175E-03	1.668E-01	8.399E-09	1.578E-09	5.010E-11	0.	0.	0.	5.000E+03
3.417E-08	5.681E-03	1.633E-01	1.251E-08	2.894E-09	1.612E-10	0.	0.	0.	5.200E+03
5.822E-08	7.627E-03	1.603E-01	1.747E-08	1.412E-08	3.654E-10	0.	0.	0.	5.400E+03
9.371E-08	1.050E-02	1.473E-01	2.404E-08	3.800E-08	8.794E-10	0.	0.	0.	5.600E+03
1.434E-07	1.491E-02	1.420E-01	3.402E-07	5.597E-08	1.983E-09	0.	0.	0.	5.800E+03
2.125E-07	2.060E-02	1.367E-01	4.946E-07	8.203E-07	4.203E-09	1.436E-25	0.	0.	6.000E+03
3.035E-07	2.776E-02	1.310E-01	6.942E-07	1.138E-07	8.450E-09	1.574E-23	0.	0.	6.200E+03
4.213E-07	3.663E-02	1.248E-01	9.434E-07	1.6097E-06	1.617E-08	1.314E-23	0.	0.	6.400E+03
5.737E-07	4.977E-02	1.179E-01	1.195E-06	2.276E-06	2.955E-08	9.612E-23	0.	0.	6.600E+03
7.545E-07	6.671E-02	1.102E-01	1.644E-06	4.309E-06	5.171E-08	6.224E-22	0.	0.	6.800E+03
9.845E-07	8.986E-02	1.016E-01	2.234E-06	7.972E-06	8.691E-08	3.597E-21	0.	0.	7.000E+03
1.258E-06	1.204E-01	9.235E-02	3.042E-06	1.413E-05	1.405E-07	1.469E-20	0.	0.	7.200E+03
1.584E-06	1.602E-01	8.253E-02	4.125E-06	2.402E-05	2.189E-07	8.794E-20	0.	0.	7.400E+03
1.967E-06	2.135E-01	7.021E-02	5.501E-06	3.924E-05	3.293E-07	3.772E-19	0.	0.	7.600E+03
2.413E-06	2.879E-01	6.238E-02	7.385E-06	1.183E-05	4.787E-07	1.483E-18	0.	0.	7.800E+03
2.926E-06	3.915E-01	5.268E-02	1.077E-05	1.622E-05	6.737E-07	5.784E-18	0.	0.	8.000E+03
3.512E-06	5.271E-01	4.570E-02	1.427E-05	1.938E-05	9.195E-07	1.813E-17	0.	0.	8.200E+03
4.175E-06	7.070E-01	3.764E-02	1.847E-05	1.975E-05	1.221E-06	5.700E-17	0.	0.	8.400E+03
4.922E-06	9.490E-01	2.885E-02	2.402E-05	2.744E-05	1.579E-06	1.682E-16	0.	0.	8.600E+03
5.746E-06	1.281E-01	2.277E-02	3.173E-05	3.713E-05	1.995E-06	4.685E-16	0.	0.	8.800E+03
6.682E-06	1.731E-01	1.795E-02	4.130E-05	4.954E-05	2.470E-06	1.238E-15	0.	0.	9.000E+03
7.702E-06	2.305E-01	1.407E-02	5.423E-05	6.423E-05	3.003E-06	3.117E-15	0.	0.	9.200E+03
8.818E-06	3.049E-01	1.103E-02	7.053E-05	8.223E-05	3.544E-06	7.512E-15	0.	0.	9.400E+03
1.003E-05	4.027E-01	8.548E-03	9.083E-05	1.1038E-04	4.244E-06	1.739E-14	0.	0.	9.600E+03
1.135E-05	5.255E-01	6.779E-03	1.197E-04	1.5493E-04	5.025E-06	3.882E-14	0.	0.	9.800E+03
1.276E-05	6.876E-01	5.201E-03	1.548E-04	2.052E-04	5.918E-06	8.374E-14	0.	0.	1.000E+04
1.420E-05	8.939E-01	3.877E-03	1.946E-04	2.622E-04	6.938E-06	2.545E-12	0.	0.	1.100E+04
1.574E-05	1.160E-01	2.970E-03	2.506E-04	3.342E-04	8.122E-06	4.360E-11	0.	0.	1.200E+04
1.737E-05	1.544E-01	2.277E-03	3.247E-04	4.282E-04	9.512E-06	4.865E-10	5.212E-25	0.	1.700E+04
1.908E-05	2.035E-01	1.703E-03	4.233E-04	5.500E-04	1.103E-05	6.221E-09	6.221E-23	0.	1.400E+04
2.087E-05	2.685E-01	1.233E-03	5.497E-04	7.144E-04	1.275E-05	2.799E-08	4.338E-21	0.	1.500E+04
2.274E-05	3.564E-01	8.466E-04	7.241E-04	9.404E-04	1.468E-05	1.103E-07	1.603E-19	0.	1.600E+04
2.468E-05	4.730E-01	6.042E-04	9.332E-04	1.230E-03	1.679E-05	4.795E-07	4.264E-18	0.	1.700E+04
2.670E-05	6.244E-01	4.376E-04	1.207E-03	1.607E-03	1.927E-05	1.444E-06	8.148E-17	0.	1.800E+04
2.880E-05	8.150E-01	3.165E-04	1.560E-03	2.032E-03	2.213E-05	4.444E-06	1.183E-15	0.	1.900E+04
3.098E-05	1.051E-01	2.399E-04	1.972E-03	2.617E-03	2.529E-05	1.209E-05	1.362E-14	0.	2.000E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	3.804E-01	2.518E-17	2.775E-12	1.772E-07	2.235E-18	1.818E-01	1.782E-06	2.857E-05	2.768E-01
2.200E+04	4.164E-01	4.933E-18	6.167E-13	8.258E-06	4.089E-19	1.379E-01	8.368E-07	2.103E-05	3.002E-01
2.300E+04	4.375E-01	9.790E-19	2.413E-13	3.849E-07	7.591E-20	1.037E-01	3.908E-07	1.511E-05	3.182E-01
2.400E+04	4.530E-01	1.995E-19	7.244E-14	1.818E-07	1.445E-20	7.855E-02	1.841E-07	1.072E-05	3.317E-01
2.500E+04	4.644E-01	4.268E-20	2.886E-14	8.781E-08	2.986E-21	6.013E-02	8.832E-08	7.588E-06	3.416E-01
2.600E+04	4.728E-01	9.648E-21	7.486E-15	4.354E-08	6.483E-22	4.667E-02	4.345E-08	5.394E-06	3.487E-01
2.700E+04	4.792E-01	2.338E-21	2.568E-15	2.221E-08	1.902E-22	3.678E-02	2.230E-08	3.867E-06	3.538E-01
2.800E+04	4.842E-01	6.013E-22	9.220E-16	1.144E-08	3.702E-23	2.946E-02	1.148E-08	2.802E-06	3.574E-01
2.900E+04	4.885E-01	1.642E-22	3.457E-16	6.250E-09	9.659E-24	2.396E-02	6.170E-09	2.055E-06	3.596E-01
3.000E+04	4.925E-01	4.737E-23	1.347E-16	3.429E-09	2.647E-24	1.978E-02	3.414E-09	1.525E-06	3.609E-01
3.100E+04	4.964E-01	1.435E-23	5.433E-17	1.913E-09	7.548E-25	1.656E-02	1.945E-09	1.145E-06	3.612E-01
3.200E+04	4.999E-01	4.537E-24	2.233E-17	1.080E-09	2.218E-26	1.404E-02	1.137E-09	8.689E-07	3.616E-01
3.300E+04	5.030E-01	1.487E-24	9.554E-18	6.150E-10	6.655E-26	1.204E-02	6.815E-10	6.665E-07	3.592E-01
3.400E+04	5.058E-01	5.020E-25	4.121E-18	3.517E-10	2.021E-26	1.044E-02	4.180E-10	5.164E-07	3.573E-01
3.500E+04	5.148E-01	1.739E-25	1.804E-18	2.009E-10	6.174E-27	9.127E-03	2.620E-10	4.039E-07	3.548E-01
3.600E+04	5.199E-01	6.154E-26	7.985E-19	1.148E-10	1.891E-27	8.048E-03	1.474E-10	3.189E-07	3.519E-01
3.700E+04	5.248E-01	2.223E-26	3.706E-19	6.550E-11	5.800E-28	7.150E-03	1.092E-10	2.542E-07	3.492E-01
3.800E+04	5.294E-01	8.187E-27	1.612E-19	3.737E-11	1.784E-28	6.395E-03	7.243E-11	2.044E-07	3.465E-01
3.900E+04	5.336E-01	3.077E-27	7.360E-20	2.135E-11	5.523E-29	5.755E-03	4.885E-11	1.659E-07	3.440E-01
4.000E+04	5.373E-01	1.181E-27	3.404E-20	1.224E-11	1.728E-29	5.207E-03	3.347E-11	1.358E-07	3.418E-01
4.100E+04	5.405E-01	4.631E-28	1.597E-20	7.057E-12	5.669E-30	4.735E-03	2.327E-11	1.121E-07	3.399E-01
4.200E+04	5.433E-01	1.858E-28	7.684E-21	4.097E-12	1.762E-30	4.326E-03	1.640E-11	9.330E-08	3.382E-01
4.300E+04	5.457E-01	7.626E-29	3.688E-21	2.398E-12	5.787E-31	3.969E-03	1.172E-11	7.819E-08	3.368E-01
4.400E+04	5.478E-01	3.202E-29	1.811E-21	1.417E-12	1.941E-31	3.655E-03	8.478E-12	6.597E-08	3.357E-01
4.500E+04	5.497E-01	1.375E-29	9.056E-22	8.454E-13	0.	3.377E-03	6.194E-12	5.600E-08	3.348E-01
4.600E+04	5.515E-01	6.033E-30	4.601E-22	5.091E-13	0.	3.138E-03	4.579E-12	4.780E-08	3.339E-01
4.700E+04	5.532E-01	2.780E-30	2.373E-22	3.094E-13	0.	2.909E-03	3.419E-12	4.102E-08	3.327E-01
4.800E+04	5.550E-01	1.231E-30	1.240E-22	1.895E-13	0.	2.711E-03	2.577E-12	3.596E-08	3.316E-01
4.900E+04	5.569E-01	5.709E-31	6.563E-23	1.169E-13	0.	2.532E-03	1.960E-12	3.061E-08	3.298E-01
5.000E+04	5.589E-01	2.688E-31	4.511E-23	7.255E-14	0.	2.378E-03	1.503E-12	2.660E-08	3.284E-01

P/PD = 2.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.023E-01	1.590E-20	8.043E-35	1.377E-28	9.581E-22	3.733E-01	1.272E-18	1.794E-21
6.000E+02	0.	1.725E-01	2.585E-17	7.453E-29	1.596E-24	8.189E-18	6.206E-01	9.859E-19	4.217E-21
7.000E+02	0.	4.879E-02	7.543E-15	1.089E-24	7.879E-22	4.794E-15	7.134E-01	6.701E-19	1.174E-20
8.000E+02	0.	1.593E-02	1.250E-13	1.347E-21	7.047E-20	5.581E-13	7.381E-01	4.230E-19	2.753E-20
9.000E+02	0.	6.335E-03	1.344E-12	3.367E-19	2.230E-18	2.261E-11	7.452E-01	7.854E-19	5.592E-20
1.000E+03	0.	2.973E-03	1.712E-11	7.774E-17	3.500E-17	4.393E-10	7.478E-01	7.428E-19	9.115E-20
1.100E+03	0.	1.588E-03	1.014E-10	1.025E-15	3.324E-16	5.005E-09	7.488E-01	6.938E-19	1.373E-19
1.200E+03	0.	9.390E-04	4.441E-10	2.043E-14	2.172E-15	3.820E-08	7.493E-01	6.405E-19	1.691E-19
1.300E+03	0.	6.013E-04	1.546E-09	2.636E-13	1.064E-14	2.141E-07	7.495E-01	5.861E-19	2.430E-19
1.400E+03	0.	4.105E-04	4.500E-09	2.325E-12	4.13E-14	9.412E-07	7.497E-01	5.333E-19	2.959E-19
1.500E+03	3.078E-33	2.952E-04	1.135E-08	1.543E-11	1.372E-13	3.405E-06	7.498E-01	4.839E-19	3.458E-19
1.600E+03	7.046E-30	2.215E-04	2.549E-08	8.044E-11	3.889E-13	1.052E-05	7.498E-01	4.390E-19	4.090E-19
1.700E+03	6.630E-27	1.721E-04	5.205E-08	3.449E-10	9.782E-13	2.858E-05	7.498E-01	3.889E-19	4.326E-19
1.800E+03	2.967E-24	1.378E-04	9.815E-08	1.289E-09	2.227E-12	6.924E-05	7.498E-01	3.434E-19	4.890E-19
1.900E+03	7.084E-22	1.131E-04	1.731E-07	4.050E-09	6.644E-12	1.534E-04	7.498E-01	3.326E-19	5.014E-19
2.000E+03	8.475E-20	9.477E-05	2.885E-07	1.151E-08	9.071E-12	3.144E-04	7.497E-01	3.274E-19	5.849E-19
2.100E+03	2.337E-18	8.047E-05	4.580E-07	7.962E-08	1.661E-11	6.022E-04	7.494E-01	1.054E-18	2.077E-18
2.200E+03	2.059E-17	6.969E-05	6.969E-07	6.994E-08	2.882E-11	1.088E-03	7.490E-01	6.587E-18	1.454E-17
2.300E+03	1.356E-16	6.151E-05	1.027E-06	1.532E-07	4.773E-11	1.869E-03	7.483E-01	3.903E-17	9.565E-17
2.400E+03	7.555E-16	5.459E-05	1.451E-06	3.144E-07	7.584E-11	3.069E-03	7.473E-01	2.823E-16	5.459E-16
2.500E+03	3.673E-15	4.890E-05	2.001E-06	6.087E-07	1.162E-10	4.845E-03	7.457E-01	9.224E-16	2.720E-15
2.600E+03	1.984E-14	4.414E-05	2.688E-06	1.119E-06	1.721E-10	7.386E-03	7.435E-01	3.748E-15	1.200E-14
2.700E+03	8.145E-14	4.008E-05	3.528E-06	1.968E-06	2.475E-10	1.091E-02	7.404E-01	1.374E-14	4.947E-14
2.800E+03	2.167E-13	3.657E-05	4.532E-06	3.133E-06	3.463E-10	1.566E-02	7.383E-01	4.992E-14	1.705E-13
2.900E+03	7.017E-13	3.348E-05	5.704E-06	5.379E-06	4.725E-10	2.192E-02	7.380E-01	1.413E-13	5.610E-13
3.000E+03	2.103E-12	3.071E-05	7.052E-06	8.439E-06	6.295E-10	2.997E-02	7.237E-01	4.031E-13	1.704E-12
3.100E+03	5.876E-12	2.818E-05	8.563E-06	1.283E-05	8.202E-10	4.010E-02	7.184E-01	1.074E-12	4.839E-12
3.200E+03	1.541E-11	2.585E-05	1.023E-05	1.896E-05	1.046E-09	5.259E-02	7.039E-01	2.880E-12	1.284E-11
3.300E+03	3.810E-11	2.367E-05	1.201E-05	2.728E-05	1.308E-09	6.712E-02	6.907E-01	6.353E-12	3.214E-11
3.400E+03	8.935E-11	2.180E-05	1.390E-05	3.828E-05	1.603E-09	8.571E-02	6.750E-01	1.474E-11	7.622E-11
3.500E+03	1.995E-10	1.963E-05	1.583E-05	5.248E-05	1.927E-09	1.067E-01	6.585E-01	3.039E-11	1.720E-10
3.600E+03	4.257E-10	1.774E-05	1.776E-05	7.040E-05	2.276E-09	1.309E-01	6.354E-01	6.194E-11	3.709E-10
3.700E+03	8.713E-10	1.547E-05	1.963E-05	9.249E-05	2.634E-09	1.582E-01	6.115E-01	1.210E-10	7.483E-10
3.800E+03	1.715E-09	1.420E-05	2.137E-05	1.192E-04	2.997E-09	1.884E-01	5.969E-01	2.270E-10	1.322E-09
3.900E+03	3.258E-09	1.255E-05	2.294E-05	1.507E-04	3.350E-09	2.218E-01	5.758E-01	4.102E-10	2.816E-09
4.000E+03	5.982E-09	1.094E-05	2.426E-05	1.872E-04	3.679E-09	2.576E-01	5.246E-01	7.153E-10	5.400E-09
4.100E+03	1.065E-08	9.532E-06	2.530E-05	2.284E-04	4.072E-09	2.955E-01	4.912E-01	1.204E-09	9.485E-09
4.200E+03	1.840E-08	8.180E-06	2.681E-05	2.748E-04	4.421E-09	3.349E-01	4.564E-01	1.969E-09	1.686E-08
4.300E+03	3.094E-08	6.945E-06	2.837E-05	3.233E-04	4.806E-09	3.754E-01	4.211E-01	3.110E-09	2.853E-08
4.400E+03	5.870E-08	5.833E-06	2.938E-05	3.746E-04	5.234E-09	4.162E-01	3.853E-01	4.799E-09	4.708E-08
4.500E+03	8.110E-08	4.848E-06	2.868E-05	4.371E-04	5.698E-09	4.587E-01	3.478E-01	7.187E-09	7.576E-08
4.600E+03	1.268E-07	3.988E-06	2.543E-05	4.970E-04	6.195E-09	4.962E-01	3.157E-01	1.049E-08	1.191E-07
4.700E+03	1.942E-07	3.249E-06	2.454E-05	5.585E-04	6.744E-09	5.340E-01	2.819E-01	1.494E-08	1.833E-07
4.800E+03	2.914E-07	2.624E-06	2.344E-05	6.110E-04	7.338E-09	5.698E-01	2.504E-01	2.081E-08	2.763E-07

TABLE II. - Continued

M	N	NZ	NZ*	N*	N-	N**	N***	N****	T
2.113E-05	4.136E-32	1.492E-07	6.675E-07	1.115E-01	8.719E-04	2.977E-05	1.288E-13	0.	2.100E+34
1.457E-05	2.977E-32	5.629E-08	3.747E-07	1.161E-01	5.812E-04	6.797E-05	1.024E-12	0.	2.200E+34
9.847E-06	2.151E-02	2.140E-04	2.137E-07	1.190E-01	3.829E-04	1.456E-04	7.025E-12	0.	2.300E+34
6.001E-06	1.570E-32	4.748E-09	1.230E-07	1.208E-01	2.522E-04	2.948E-04	4.197E-11	0.	2.400E+34
4.633E-06	1.163E-32	3.655E-09	7.215E-08	1.217E-01	1.675E-04	5.675E-04	2.217E-10	0.	2.500E+34
3.004E-06	8.745E-33	1.591E-09	4.323E-08	1.220E-01	1.124E-04	1.044E-03	1.044E-09	0.	2.600E+34
2.063E-06	6.077E-33	7.202E-10	2.641E-08	1.217E-01	7.679E-07	1.838E-03	4.445E-09	0.	2.700E+34
1.446E-06	5.167E-33	3.373E-10	1.640E-08	1.207E-01	5.311E-37	3.109E-03	1.715E-08	0.	2.800E+34
1.024E-06	4.051E-33	1.624E-10	1.030E-08	1.184E-01	3.720E-07	5.051E-03	6.038E-08	0.	2.900E+34
7.421E-07	3.164E-33	7.987E-11	6.501E-09	1.158E-01	2.632E-07	7.887E-03	1.947E-07	0.	3.000E+34
5.447E-07	2.516E-33	3.477E-11	4.096E-09	1.116E-01	1.875E-07	1.183E-02	5.789E-07	0.	3.100E+34
4.139E-07	1.987E-33	1.948E-11	2.556E-09	1.059E-01	1.339E-07	1.703E-02	1.585E-04	0.	3.200E+34
3.184E-07	1.501E-33	9.902E-12	1.570E-09	9.868E-02	9.562E-04	2.352E-02	4.014E-04	0.	3.300E+34
2.494E-07	1.217E-33	6.479E-12	9.428E-10	9.020E-02	6.798E-08	3.114E-02	9.425E-04	0.	3.400E+34
1.955E-07	9.347E-34	2.367E-12	5.521E-10	8.077E-02	4.601E-08	3.956E-02	2.060E-05	3.318E-12	3.500E+34
1.621E-07	7.156E-34	1.126E-12	3.148E-10	7.088E-02	3.362E-08	4.840E-02	4.212E-05	1.440E-11	3.600E+34
1.338E-07	5.393E-34	5.283E-13	1.751E-10	6.104E-02	2.334E-08	5.714E-02	8.105E-05	5.657E-11	3.700E+34
1.121E-07	4.023E-34	2.438E-13	9.530E-11	5.173E-02	1.608E-08	6.536E-02	1.477E-04	2.027E-10	3.800E+34
9.516E-08	2.977E-34	1.113E-13	5.102E-11	4.324E-02	1.101E-08	7.278E-02	2.569E-04	6.499E-10	3.900E+34
8.178E-08	2.191E-34	5.329E-14	2.730E-11	3.582E-02	7.505E-09	7.921E-02	4.265E-04	2.058E-09	4.000E+34
7.101E-08	1.607E-34	2.689E-14	1.420E-11	2.945E-02	5.113E-09	8.458E-02	6.838E-04	5.920E-09	4.100E+34
6.229E-08	1.177E-34	1.340E-14	7.456E-12	2.410E-02	3.484E-09	8.890E-02	1.061E-03	1.604E-08	4.200E+34
5.516E-08	8.627E-35	4.755E-15	3.923E-12	1.968E-02	2.379E-09	9.222E-02	1.598E-03	4.127E-08	4.300E+34
4.920E-08	6.334E-35	2.192E-15	2.072E-12	1.605E-02	1.631E-09	9.440E-02	2.346E-03	1.010E-07	4.400E+34
4.421E-08	4.662E-35	1.020E-15	1.101E-12	1.308E-02	1.122E-09	9.609E-02	3.361E-03	2.360E-07	4.500E+34
3.999E-08	3.440E-35	4.745E-16	5.883E-13	1.047E-02	7.758E-10	9.672E-02	4.708E-03	5.284E-07	4.600E+34
3.636E-08	2.545E-35	2.275E-16	3.162E-13	8.703E-03	5.388E-10	9.61E-02	6.454E-03	1.136E-06	4.700E+34
3.328E-08	1.887E-35	1.068E-16	1.767E-13	7.047E-03	3.758E-10	9.546E-02	8.664E-03	2.349E-06	4.800E+34
3.078E-08	1.403E-35	5.238E-17	9.246E-14	5.782E-03	2.627E-10	9.358E-02	1.139E-02	4.676E-06	4.900E+34
2.842E-08	1.069E-35	2.539E-17	5.014E-14	4.703E-03	1.842E-10	9.087E-02	1.468E-02	8.975E-06	5.000E+34

P/PD = 2.00E+01

M	N	NZ	NZ*	N*	N-	N**	N***	N****	T
0.	0.	1.244E-01	6.077E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.069E-01	6.490E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.378E-01	1.133E-20	0.	0.	0.	0.	0.	7.000E+02
0.	2.011E-24	2.460E-01	1.466E-20	0.	0.	0.	0.	0.	8.000E+02
0.	5.712E-24	2.484E-01	1.773E-20	0.	0.	0.	0.	0.	9.000E+02
0.	3.324E-23	2.493E-01	2.018E-20	0.	0.	0.	0.	0.	1.000E+03
0.	6.096E-21	2.496E-01	2.186E-20	0.	0.	0.	0.	0.	1.100E+03
0.	4.734E-19	2.498E-01	2.279E-20	1.199E-33	0.	0.	0.	0.	1.200E+03
0.	1.669E-17	2.498E-01	2.300E-20	2.193E-32	0.	0.	0.	0.	1.300E+03
0.	4.395E-16	2.499E-01	2.272E-20	2.630E-31	0.	0.	0.	0.	1.400E+03
0.	6.798E-15	2.499E-01	2.204E-20	2.182E-30	0.	0.	0.	0.	1.500E+03
0.	7.679E-14	2.499E-01	2.125E-20	1.386E-29	0.	0.	0.	0.	1.600E+03
0.	6.215E-13	2.500E-01	2.036E-20	7.006E-29	0.	0.	0.	0.	1.700E+03
0.	4.386E-12	2.500E-01	1.991E-20	2.934E-28	0.	0.	0.	0.	1.800E+03
1.034E-24	2.236E-11	2.500E-01	1.835E-20	1.051E-27	0.	0.	0.	0.	1.900E+03
1.825E-22	1.607E-10	2.499E-01	1.924E-20	3.634E-27	0.	0.	0.	0.	2.000E+03
6.554E-21	3.981E-10	2.499E-01	1.998E-20	3.456E-26	1.292E-28	0.	0.	0.	2.100E+03
7.700E-20	1.130E-09	2.498E-01	3.968E-19	5.915E-25	3.695E-27	0.	0.	0.	2.200E+03
6.505E-19	4.353E-09	2.498E-01	7.347E-18	8.807E-24	7.076E-26	0.	0.	0.	2.300E+03
6.617E-18	1.441E-08	2.496E-01	1.271E-17	1.083E-22	1.045E-24	0.	0.	0.	2.400E+03
2.770E-17	3.756E-08	2.494E-01	5.930E-17	1.054E-21	1.241E-23	0.	0.	0.	2.500E+03
1.443E-16	7.424E-08	2.491E-01	2.455E-16	8.743E-21	1.216E-22	0.	0.	0.	2.600E+03
6.659E-16	1.817E-07	2.486E-01	9.131E-16	6.265E-20	1.305E-21	0.	0.	0.	2.700E+03
2.765E-15	3.886E-07	2.480E-01	3.104E-15	3.490E-19	7.128E-21	0.	0.	0.	2.800E+03
1.024E-14	7.916E-07	2.472E-01	9.727E-15	2.133E-18	4.610E-20	0.	0.	0.	2.900E+03
3.489E-14	1.519E-06	2.462E-01	2.938E-14	1.044E-17	2.412E-19	0.	0.	0.	3.000E+03
1.055E-13	2.884E-06	2.450E-01	0.8E-14	4.636E-17	1.178E-18	0.	0.	0.	3.100E+03
3.187E-13	5.110E-06	2.436E-01	9.66E-13	1.875E-16	5.208E-18	0.	0.	0.	3.200E+03
8.856E-13	8.859E-06	2.419E-01	4.757E-13	6.979E-16	2.096E-17	0.	0.	0.	3.300E+03
2.238E-12	1.440E-05	2.392E-01	1.092E-12	2.408E-15	7.749E-17	0.	0.	0.	3.400E+03
5.338E-12	2.470E-05	2.366E-01	2.393E-12	7.752E-15	2.670E-16	0.	0.	0.	3.500E+03
1.239E-11	3.184E-05	2.339E-01	5.074E-12	2.362E-14	8.433E-16	0.	0.	0.	3.600E+03
2.618E-11	5.815E-05	2.313E-01	1.014E-11	6.679E-14	2.512E-15	0.	0.	0.	3.700E+03
5.399E-11	9.327E-05	2.286E-01	1.974E-11	1.805E-13	7.034E-15	0.	0.	0.	3.800E+03
1.068E-10	1.641E-04	2.221E-01	3.716E-11	4.665E-13	1.840E-14	0.	0.	0.	3.900E+03
2.019E-10	2.802E-04	2.176E-01	6.766E-11	1.162E-12	4.647E-14	0.	0.	0.	4.000E+03
3.848E-10	4.802E-04	2.124E-01	1.236E-10	2.694E-12	1.115E-13	0.	0.	0.	4.100E+03
7.392E-10	8.425E-04	2.078E-01	2.082E-10	4.112E-12	3.942E-13	0.	0.	0.	4.200E+03
1.485E-09	1.525E-03	2.026E-01	3.516E-10	1.338E-11	7.594E-13	0.	0.	0.	4.300E+03
2.895E-09	2.822E-03	1.974E-01	5.873E-10	7.836E-11	1.166E-12	0.	0.	0.	4.400E+03
4.861E-09	4.740E-03	1.921E-01	9.342E-10	9.821E-11	2.354E-12	0.	0.	0.	4.500E+03
7.842E-09	8.189E-03	1.870E-01	1.492E-09	1.162E-10	4.617E-12	0.	0.	0.	4.600E+03
1.376E-08	1.407E-02	1.820E-01	2.331E-09	2.259E-10	8.713E-12	0.	0.	0.	4.700E+03
2.313E-08	2.504E-02	1.773E-01	3.585E-09	4.286E-10	1.599E-11	0.	0.	0.	4.800E+03

TABLE II. - Continued

T	E	NH3	NH2	NH	N2H2	H	H2	H2O	H+
4.900E+03	4.294E-07	2.103E-04	2.218E-05	6.837E-04	4.292E-09	6.031E-01	2.210E-01	2.037E-08	4.004E-07
5.000E+03	6.218E-07	1.674E-04	2.081E-05	7.440E-04	4.113E-09	6.336E-01	1.941E-01	3.792E-08	5.935E-07
5.200E+03	1.243E-06	1.046E-04	1.795E-05	8.681E-04	3.697E-09	6.858E-01	1.477E-01	6.424E-08	1.192E-06
5.400E+03	2.349E-06	6.457E-07	1.518E-05	9.845E-04	3.251E-09	7.264E-01	1.111E-01	1.024E-07	2.259E-06
5.600E+03	4.277E-06	3.977E-07	1.266E-05	1.094E-03	2.814E-09	7.571E-01	8.320E-02	1.590E-07	4.065E-06
5.800E+03	7.289E-06	2.459E-07	1.048E-05	1.195E-03	2.413E-09	7.791E-01	6.231E-02	2.249E-07	6.995E-06
6.000E+03	1.211E-05	1.533E-07	8.636E-06	1.287E-03	2.052E-09	7.944E-01	4.687E-02	3.150E-07	1.157E-05
6.200E+03	1.946E-05	9.661E-08	7.104E-06	1.368E-03	1.738E-09	8.044E-01	3.549E-02	4.282E-07	1.847E-05
6.400E+03	3.038E-05	6.159E-08	5.836E-06	1.438E-03	1.461E-09	8.103E-01	2.710E-02	5.672E-07	2.857E-05
6.600E+03	4.621E-05	3.971E-08	4.740E-06	1.495E-03	1.219E-09	8.130E-01	2.087E-02	7.345E-07	4.294E-05
6.800E+03	6.867E-05	2.587E-08	3.926E-06	1.536E-03	1.005E-09	8.131E-01	1.623E-02	9.322E-07	6.289E-05
7.000E+03	9.989E-05	1.700E-08	3.211E-06	1.561E-03	8.267E-10	8.112E-01	1.273E-02	1.162E-06	8.995E-05
7.200E+03	1.425E-04	1.127E-08	2.620E-06	1.568E-03	6.546E-10	8.077E-01	1.000E-02	1.424E-06	1.259E-04
7.400E+03	1.998E-04	7.512E-09	2.131E-06	1.557E-03	5.155E-10	8.029E-01	8.047E-03	1.724E-06	1.728E-04
7.600E+03	2.756E-04	5.037E-09	1.724E-06	1.527E-03	4.224E-10	7.973E-01	6.482E-03	2.060E-06	2.331E-04
7.800E+03	3.744E-04	3.395E-09	1.393E-06	1.481E-03	3.284E-10	7.912E-01	5.268E-03	2.434E-06	3.093E-04
8.000E+03	5.113E-04	2.300E-09	1.120E-06	1.419E-03	2.516E-10	7.849E-01	4.319E-03	2.841E-06	4.047E-04
8.200E+03	6.824E-04	1.566E-09	8.977E-07	1.346E-03	1.903E-10	7.788E-01	3.573E-03	3.313E-06	5.279E-04
8.400E+03	8.943E-04	1.073E-09	7.179E-07	1.265E-03	1.422E-10	7.731E-01	2.983E-03	3.827E-06	6.879E-04
8.600E+03	1.114E-03	7.395E-10	5.734E-07	1.179E-03	1.052E-10	7.679E-01	2.512E-03	4.397E-06	8.445E-04
8.800E+03	1.421E-03	5.136E-10	4.580E-07	1.091E-03	7.734E-11	7.634E-01	2.113E-03	5.029E-06	1.058E-03
9.000E+03	1.792E-03	3.597E-10	3.643E-07	1.005E-03	5.699E-11	7.594E-01	1.827E-03	5.730E-06	1.314E-03
9.200E+03	2.239E-03	2.541E-10	2.936E-07	9.223E-04	4.134E-11	7.560E-01	1.575E-03	6.503E-06	1.620E-03
9.400E+03	2.770E-03	1.812E-10	2.361E-07	8.464E-04	3.022E-11	7.530E-01	1.368E-03	7.354E-06	1.981E-03
9.600E+03	3.399E-03	1.304E-10	1.906E-07	7.724E-04	2.214E-11	7.504E-01	1.195E-03	8.285E-06	2.466E-03
9.800E+03	4.136E-03	9.471E-11	1.545E-07	7.062E-04	1.629E-11	7.481E-01	1.050E-03	9.299E-06	2.982E-03
1.000E+04	4.994E-03	6.943E-11	1.238E-07	6.459E-04	1.204E-11	7.458E-01	9.278E-04	1.040E-05	3.477E-03
1.100E+04	5.992E-03	5.166E-11	8.822E-08	4.197E-04	2.698E-12	7.341E-01	5.294E-04	1.719E-05	7.848E-03
1.200E+04	7.140E-03	4.712E-12	2.050E-08	2.806E-04	7.980E-13	7.168E-01	3.233E-04	2.594E-05	1.558E-02
1.300E+04	8.225E-03	4.476E-12	9.048E-09	1.903E-04	2.403E-13	6.903E-01	2.046E-04	3.619E-05	2.787E-02
1.400E+04	9.454E-03	4.881E-13	4.114E-09	1.282E-04	7.514E-14	6.519E-01	1.309E-04	4.658E-05	4.571E-02
1.500E+04	1.057E-02	5.587E-13	1.846E-09	8.424E-05	2.323E-14	6.009E-01	8.288E-05	5.531E-05	6.961E-02
1.600E+04	1.149E-01	5.033E-14	7.947E-10	5.304E-05	6.640E-15	5.381E-01	5.105E-05	6.123E-05	9.930E-02
1.700E+04	1.1994E-01	4.576E-14	5.212E-10	3.361E-05	1.854E-15	4.687E-01	3.017E-05	6.267E-05	1.336E-01
1.800E+04	2.503E-01	3.448E-15	1.204E-10	1.771E-05	4.564E-16	3.916E-01	1.679E-05	5.980E-05	1.704E-01
1.900E+04	3.011E-01	2.598E-16	4.176E-11	9.342E-06	1.217E-16	3.177E-01	9.044E-06	5.177E-05	2.071E-01
2.000E+04	3.641E-01	2.142E-16	1.355E-11	6.342E-06	2.084E-17	2.507E-01	4.594E-06	4.252E-05	2.411E-01
2.100E+04	4.496E-01	1.666E-17	4.186E-12	4.679E-06	4.033E-18	1.937E-01	2.744E-06	3.305E-05	2.706E-01
2.200E+04	4.100E-01	1.618E-18	1.263E-12	1.070E-06	7.425E-19	1.477E-01	1.073E-06	2.465E-05	2.968E-01
2.300E+04	4.322E-01	1.857E-18	3.807E-13	5.052E-07	1.453E-19	1.122E-01	5.064E-07	1.790E-05	3.136E-01
2.400E+04	4.488E-01	3.849E-19	1.170E-13	2.611E-07	2.863E-20	8.548E-02	2.422E-07	1.281E-05	3.279E-01
2.500E+04	4.610E-01	8.417E-20	3.712E-14	1.174E-07	5.929E-21	6.573E-02	1.173E-07	9.134E-06	3.385E-01
2.600E+04	4.700E-01	1.934E-20	1.227E-14	5.854E-08	1.303E-21	5.119E-02	5.808E-08	6.528E-06	3.463E-01
2.700E+04	4.769E-01	4.718E-21	4.240E-15	3.001E-08	3.049E-22	4.045E-02	2.956E-08	4.699E-06	3.519E-01
2.800E+04	4.823E-01	1.223E-21	1.532E-15	1.579E-08	7.578E-23	3.266E-02	1.540E-08	7.414E-06	3.574E-01
2.900E+04	4.868E-01	3.364E-22	5.776E-16	8.517E-09	1.993E-23	2.644E-02	8.146E-09	2.511E-06	3.644E-01
3.000E+04	4.909E-01	9.767E-23	2.263E-16	4.92E-09	5.507E-24	2.186E-02	4.473E-09	1.867E-06	3.680E-01
3.100E+04	4.944E-01	2.979E-23	9.177E-17	2.830E-09	1.585E-24	1.832E-02	2.643E-09	1.404E-06	3.686E-01
3.200E+04	4.980E-01	9.481E-24	3.829E-17	1.493E-09	4.709E-25	1.554E-02	1.547E-09	1.068E-06	3.683E-01
3.300E+04	5.033E-01	3.130E-24	1.635E-17	8.554E-10	1.430E-25	1.334E-02	9.248E-10	8.200E-07	3.692E-01
3.400E+04	5.080E-01	1.066E-24	7.112E-18	4.922E-10	4.407E-26	1.156E-02	5.701E-10	6.368E-07	3.747E-01
3.500E+04	5.129E-01	3.723E-25	3.136E-18	2.837E-10	1.368E-26	1.012E-02	3.576E-10	4.980E-07	3.757E-01
3.600E+04	5.180E-01	1.330E-25	1.401E-18	1.634E-10	4.260E-27	8.974E-03	2.269E-10	3.974E-07	3.769E-01
3.700E+04	5.229E-01	4.848E-26	5.317E-19	9.407E-11	1.329E-27	7.930E-03	1.493E-10	3.138E-07	3.699E-01
3.800E+04	5.277E-01	1.601E-26	2.877E-19	5.412E-11	4.157E-28	7.095E-03	9.405E-11	2.525E-07	3.672E-01
3.900E+04	5.320E-01	6.825E-27	1.374E-19	3.116E-11	1.307E-28	6.385E-03	6.443E-11	2.049E-07	3.644E-01
4.000E+04	5.358E-01	2.638E-27	6.168E-20	1.799E-11	4.162E-29	5.779E-03	4.586E-11	1.678E-07	3.624E-01
4.100E+04	5.392E-01	1.061E-27	2.912E-20	1.043E-11	1.324E-29	5.256E-03	3.185E-11	1.385E-07	3.604E-01
4.200E+04	5.421E-01	4.202E-28	1.395E-20	6.091E-12	4.328E-30	4.802E-03	2.246E-11	1.157E-07	3.584E-01
4.300E+04	5.446E-01	1.733E-28	6.783E-21	3.583E-12	1.435E-30	4.406E-03	1.604E-11	9.654E-08	3.572E-01
4.400E+04	5.468E-01	7.312E-29	3.352E-21	2.126E-12	4.855E-31	4.057E-03	1.160E-11	8.144E-08	3.558E-01
4.500E+04	5.488E-01	3.152E-29	1.623E-21	1.273E-12	0.	3.749E-03	8.489E-12	6.915E-08	3.547E-01
4.600E+04	5.506E-01	1.388E-29	6.982E-22	6.697E-13	0.	3.475E-03	6.273E-12	5.903E-08	3.536E-01
4.700E+04	5.524E-01	6.236E-30	4.441E-22	4.693E-13	0.	3.231E-03	4.685E-12	5.085E-08	3.525E-01
4.800E+04	5.542E-01	2.854E-30	2.330E-22	2.886E-13	0.	3.011E-03	3.532E-12	4.367E-08	3.514E-01
4.900E+04	5.560E-01	1.329E-30	1.238E-22	1.787E-13	0.	2.812E-03	2.686E-12	3.781E-08	3.502E-01
5.000E+04	5.580E-01	6.282E-31	6.650E-23	1.113E-13	0.	2.633E-03	2.060E-12	3.287E-08	3.491E-01

P/PO = 2.20E+01

T	E	NH3	NH2	NH	N2H2	H	H2	H2O	H+
5.000E+02	0.	5.180E-01	1.599E-20	7.788E-35	1.420E-28	8.489E-22	3.415E-01	1.289E-18	1.249E-21
6.000E+02	0.	1.844E-01	2.653E-17	7.346E-29	1.706E-24	7.752E-18	4.117E-01	9.949E-19	6.482E-21
7.000E+02	0.	5.177E-02	3.808E-15	1.084E-24	6.587E-22	4.560E-15	7.101E-01	6.742E-19	1.129E-20
8.000E+02	0.	1.747E-02	1.309E-13	1.345E-21	7.728E-20	5.317E-13	7.369E-01	8.294E-19	2.639E-20
9.000E+02	0.	6.959E-03	2.037E-12	3.365E-19	2.450E-18	2.155E-11	7.464E-01	6.661E-19	6.161E-20
1.000E+03	0.	3.264E-03	1.794E-11	2.735E-17	3.848E-17	4.188E-10	7.475E-01	7.467E-19	6.799E-20
1.100E+03	0.	1.747E-03	1.064E-10	1.024E-15	3.655E-16	4.772E-09	7.487E-01	6.901E-19	1.319E-19
1.200E+03	0.	1.033E-03	6.657E-10	2.863E-16	3.109E-15	3.667E-08	7.492E-01	6.479E-19	1.022E-19

TABLE II. - Continued

M-	N	N2	N4	N6	N8	N10	N12	N14	N16	N18	N20	T
1.372E-08	2.412E-03	1.728E-C1	5.434E-09	7.955E-10	2.867E-11	0.	0.	0.	0.	0.	0.	4.700E+03
1.916E-08	3.029E-03	1.685E-01	8.127E-09	1.441E-09	4.990E-11	0.	0.	0.	0.	0.	0.	2.000E+03
3.516E-08	4.853E-03	1.609E-01	1.752E-08	4.463E-09	1.402E-10	0.	0.	0.	0.	0.	0.	3.200E+03
6.323E-08	6.932E-03	1.593E-01	3.607E-08	1.284E-08	3.852E-10	0.	0.	0.	0.	0.	0.	3.400E+03
9.737E-08	1.008E-02	1.445E-01	7.114E-08	3.449E-08	6.792E-10	0.	0.	0.	0.	0.	0.	3.600E+03
1.500E-07	1.422E-02	1.431E-C1	1.746E-07	8.702E-08	1.982E-09	0.	0.	0.	0.	0.	0.	3.800E+03
2.211E-07	1.962E-02	1.370E-01	2.443E-07	2.069E-07	4.209E-09	1.410E-25	0.	0.	0.	0.	0.	4.000E+03
3.179E-07	2.607E-02	1.322E-01	4.261E-07	4.655E-07	8.470E-09	1.355E-24	0.	0.	0.	0.	0.	4.200E+03
4.421E-07	3.493E-02	1.261E-01	7.139E-07	9.938E-07	1.922E-08	1.131E-23	0.	0.	0.	0.	0.	4.400E+03
5.986E-07	4.912E-02	1.194E-01	1.150E-06	2.019E-06	2.968E-08	8.284E-23	0.	0.	0.	0.	0.	4.600E+03
7.958E-07	6.738E-02	1.119E-01	1.779E-06	3.913E-06	5.703E-08	5.371E-22	0.	0.	0.	0.	0.	4.800E+03
1.038E-06	7.073E-02	1.036E-C1	2.644E-06	7.253E-06	6.780E-08	3.109E-21	0.	0.	0.	0.	0.	5.000E+03
1.329E-06	8.568E-02	9.452E-02	3.784E-06	1.248E-05	1.419E-07	1.619E-20	0.	0.	0.	0.	0.	5.200E+03
1.689E-06	1.022E-01	8.490E-02	5.204E-06	2.195E-05	2.217E-07	7.637E-20	0.	0.	0.	0.	0.	5.400E+03
2.073E-06	1.192E-01	7.494E-02	6.883E-06	3.600E-05	3.345E-07	3.788E-19	0.	0.	0.	0.	0.	5.600E+03
2.544E-06	1.364E-01	6.496E-02	8.763E-06	5.448E-05	4.878E-07	1.294E-18	0.	0.	0.	0.	0.	5.800E+03
3.085E-06	1.531E-01	5.526E-02	1.075E-C5	7.476E-05	6.091E-07	4.721E-18	0.	0.	0.	0.	0.	6.000E+03
3.703E-06	1.698E-01	4.617E-02	1.274E-05	1.274E-04	9.643E-07	1.579E-17	0.	0.	0.	0.	0.	6.200E+03
4.403E-06	1.833E-01	3.793E-02	1.462E-05	1.836E-04	1.258E-06	5.733E-17	0.	0.	0.	0.	0.	6.400E+03
5.192E-06	1.959E-01	3.071E-02	1.630E-05	2.559E-04	1.633E-06	1.495E-16	0.	0.	0.	0.	0.	6.600E+03
6.071E-06	2.060E-01	2.456E-C2	1.771E-C5	3.479E-04	2.073E-06	4.161E-16	0.	0.	0.	0.	0.	6.800E+03
7.047E-06	2.147E-01	1.946E-02	1.884E-C5	4.628E-04	2.570E-06	1.102E-15	0.	0.	0.	0.	0.	7.000E+03
8.123E-06	2.217E-01	1.533E-C2	1.969E-C5	6.078E-04	3.137E-06	2.781E-15	0.	0.	0.	0.	0.	7.200E+03
9.311E-06	2.273E-01	1.204E-02	2.028E-C5	7.745E-04	3.756E-06	6.715E-15	0.	0.	0.	0.	0.	7.400E+03
1.058E-05	2.313E-01	9.499E-C3	2.066E-C5	9.748E-04	4.445E-06	1.557E-14	0.	0.	0.	0.	0.	7.600E+03
1.217E-05	2.345E-01	7.408E-C3	2.088E-C5	1.221E-03	5.195E-06	3.479E-14	0.	0.	0.	0.	0.	7.800E+03
1.394E-05	2.368E-01	5.627E-C3	2.052E-C5	1.507E-03	6.008E-06	7.912E-14	0.	0.	0.	0.	0.	8.000E+03
1.592E-05	2.394E-01	4.063E-C3	1.994E-C5	1.878E-03	6.878E-06	2.287E-12	0.	0.	0.	0.	0.	8.200E+03
1.812E-05	2.410E-01	2.866E-C4	1.806E-C5	2.320E-03	7.820E-06	3.924E-11	0.	0.	0.	0.	0.	8.400E+03
2.057E-05	2.419E-01	2.013E-C4	1.575E-C5	2.834E-03	8.854E-06	4.463E-10	0.	0.	0.	0.	0.	8.600E+03
2.329E-05	2.422E-01	1.406E-C4	1.326E-C5	3.385E-03	9.974E-06	5.297E-09	0.	0.	0.	0.	0.	8.800E+03
2.630E-05	2.417E-01	8.634E-C4	1.052E-C5	3.813E-03	1.126E-05	3.437E-21	0.	0.	0.	0.	0.	9.000E+03
2.954E-05	2.401E-01	5.977E-C4	7.913E-C6	4.053E-03	1.202E-05	9.964E-08	1.360E-19	0.	0.	0.	0.	9.200E+03
3.303E-05	2.364E-01	4.274E-C4	5.580E-C6	4.580E-03	1.306E-05	3.975E-07	3.608E-18	0.	0.	0.	0.	9.400E+03
3.678E-05	2.309E-01	3.358E-C4	3.687E-C6	4.841E-02	2.588E-05	1.358E-06	6.873E-17	0.	0.	0.	0.	9.600E+03
4.084E-05	2.190E-01	2.318E-C4	2.297E-C6	9.305E-02	2.017E-05	4.073E-06	4.937E-16	0.	0.	0.	0.	9.800E+03
4.524E-05	2.050E-01	1.535E-C4	1.367E-C6	1.030E-01	1.672E-05	1.047E-05	1.139E-14	0.	0.	0.	0.	1.000E+04
5.000E-05	1.890E-01	9.222E-04	7.894E-07	1.102E-01	1.023E-04	2.700E-05	1.072E-13	0.	0.	0.	0.	1.100E+04
5.513E-05	1.713E-01	5.866E-04	4.536E-07	1.151E-01	6.401E-04	6.162E-05	8.503E-13	0.	0.	0.	0.	1.200E+04
6.064E-05	1.530E-01	3.897E-04	2.578E-07	1.183E-01	4.589E-04	1.319E-04	5.797E-12	0.	0.	0.	0.	1.300E+04
6.654E-05	1.352E-01	2.897E-04	1.493E-07	1.203E-01	3.245E-04	2.668E-04	3.652E-11	0.	0.	0.	0.	1.400E+04
7.284E-05	1.222E-01	2.209E-04	8.804E-08	1.216E-01	2.033E-04	5.135E-C4	1.819E-10	0.	0.	0.	0.	1.500E+04
7.954E-05	1.100E-01	1.594E-C4	5.298E-08	1.219E-01	1.373E-04	9.439E-04	8.563E-10	0.	0.	0.	0.	1.600E+04
8.674E-05	9.920E-02	9.791E-04	3.247E-08	1.215E-01	9.194E-07	1.663E-03	3.638E-09	0.	0.	0.	0.	1.700E+04
9.444E-05	9.020E-02	6.606E-04	2.024E-C8	1.204E-01	6.517E-07	2.414E-03	1.403E-08	0.	0.	0.	0.	1.800E+04
1.027E-04	8.240E-02	4.229E-04	1.277E-C8	1.192E-01	4.578E-07	4.976E-03	4.964E-08	0.	0.	0.	0.	1.900E+04
1.115E-04	7.560E-02	2.829E-04	8.104E-09	1.166E-01	3.246E-07	7.167E-03	1.600E-07	0.	0.	0.	0.	2.000E+04
1.208E-04	6.910E-02	1.832E-04	5.163E-09	1.127E-01	2.323E-07	1.079E-02	4.786E-07	0.	0.	0.	0.	2.100E+04
1.306E-04	6.290E-02	1.242E-04	3.260E-09	1.074E-01	1.667E-07	1.561E-02	1.312E-06	0.	0.	0.	0.	2.200E+04
1.409E-04	5.700E-02	8.478E-05	2.011E-09	1.020E-01	1.147E-07	2.168E-02	3.361E-06	0.	0.	0.	0.	2.300E+04
1.517E-04	5.140E-02	5.621E-05	1.225E-09	9.627E-02	8.567E-08	2.896E-02	7.901E-06	0.	0.	0.	0.	2.400E+04
1.630E-04	4.600E-02	3.457E-05	7.285E-10	9.136E-02	6.094E-08	3.702E-02	1.740E-05	4.537E-12	0.	0.	0.	2.500E+04
1.748E-04	4.090E-02	2.274E-05	4.211E-10	8.630E-02	4.302E-08	4.564E-02	1.588E-05	1.108E-11	0.	0.	0.	2.600E+04
1.872E-04	3.600E-02	1.497E-05	2.398E-10	8.125E-02	3.011E-08	5.632E-02	8.955E-05	4.385E-11	0.	0.	0.	2.700E+04
1.999E-04	3.140E-02	9.738E-06	1.420E-10	7.620E-02	2.091E-08	6.261E-02	1.277E-04	1.584E-10	0.	0.	0.	2.800E+04
2.130E-04	2.700E-02	6.184E-06	7.184E-11	7.120E-02	1.463E-08	7.021E-02	2.233E-04	5.267E-10	0.	0.	0.	2.900E+04
2.264E-04	2.280E-02	3.869E-06	3.869E-11	6.653E-02	9.914E-09	7.688E-02	3.737E-04	1.627E-09	0.	0.	0.	3.000E+04
2.402E-04	1.890E-02	2.244E-06	2.047E-11	6.204E-02	6.745E-09	8.258E-02	6.072E-04	4.709E-09	0.	0.	0.	3.100E+04
2.544E-04	1.530E-02	1.267E-06	1.136E-11	5.762E-02	4.561E-09	8.720E-02	9.186E-04	1.281E-08	0.	0.	0.	3.200E+04
2.690E-04	1.190E-02	7.751E-07	5.767E-12	5.328E-02	3.048E-09	9.084E-02	1.429E-03	7.106E-08	0.	0.	0.	3.300E+04
2.840E-04	8.700E-03	4.603E-07	3.071E-12	4.903E-02	1.763E-09	9.354E-02	2.092E-03	8.116E-08	0.	0.	0.	3.400E+04
2.994E-04	6.200E-03	2.644E-07	1.644E-12	4.490E-02	1.020E-09	9.574E-02	3.097E-03	1.493E-07	0.	0.	0.	3.500E+04
3.152E-04	4.200E-03	1.601E-07	8.468E-13	4.088E-02	5.757E-10	9.629E-02	4.224E-03	4.275E-07	0.	0.	0.	3.600E+04
3.314E-04	2.900E-03	9.222E-08	4.797E-13	3.696E-02	3.364E-10	9.661E-02	5.812E-03	9.222E-07	0.	0.	0.	3.700E+04
3.480E-04	1.900E-03	5.642E-08	2.605E-13	3.324E-02	1.946E-10	9.579E-02	7.810E-03	1.417E-06	0.	0.	0.	3.800E+04
3.650E-04	1.200E-03	3.454E-08	1.421E-13	2.968E-02	1.104E-10	9.418E-02	1.034E-02	9.825E-06	0.	0.	0.	3.900E+04
3.824E-04	8.000E-04	2.302E-08	7.766E-14	2.622E-02	5.740E-11	9.184E-02	1.337E-02	7.737E-06	0.	0.	0.	4.000E+04

R/PU = 2.20E+01

M-	N	N2	N4	N6	N8	N10	N12	N14	N16	N18	N20	T
0.	0.	1.205E-01	6.141E-21	0.	0.	0.	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.397E-01	4.577E-21	0.	0.	0.	0.	0.	0.	0.	0.	4.500E+02
0.	0.	2.197E-01	1.135E-20	0.	0.	0.	0.	0.	0.	0.	0.	7.777E+02
0.	1.11E-24	2.504E-01	1.647E-20	0.	0.	0.	0.	0.	0.	0.	0.	8.000E+02
0.	5.449E-24	2.603E-01	1.779E-20	0.	0.	0.	0.	0.	0.	0.	0.	9.000E+02
0.	1.134E-23	2.692E-01	2.009E-20	0.	0.	0.	0.	0.	0.	0.	0.	1.000E+03
0.	5.410E-23	2.696E-01	2.227E-20	0.	0.	0.	0.	0.	0.	0.	0.	1.100E+03
0.	9.449E-24	2.697E-01	2.530E-20	1.813E-13	0.	0.	0.	0.	0.	0.	0.	1.200E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	N2	N2+	H+
1.300E+03	0.	6.614E-04	1.622E-09	2.636E-13	1.173E-14	2.041E-07	7.495E-01	9.960E-19	2.340E-19
1.400E+03	0.	4.515E-04	4.719E-09	2.325E-12	4.601E-14	8.973E-07	7.497E-01	5.421E-19	2.660E-19
1.500E+03	0.	3.247E-04	1.160E-08	1.543E-11	1.502E-13	3.247E-06	7.498E-01	4.932E-19	3.361E-19
1.600E+03	6.268E-30	2.436E-04	2.673E-08	8.063E-11	4.270E-13	1.003E-05	7.499E-01	4.606E-19	3.815E-19
1.700E+03	5.885E-27	1.853E-04	5.459E-07	3.449E-10	1.076E-12	2.717E-05	7.499E-01	4.224E-19	4.224E-19
1.800E+03	2.628E-24	1.516E-04	1.029E-07	1.269E-09	2.449E-12	6.602E-05	7.499E-01	3.730E-19	4.589E-19
1.900E+03	6.265E-22	1.244E-04	1.816E-07	4.050E-09	5.109E-12	1.463E-04	7.499E-01	3.439E-19	5.684E-19
2.000E+03	8.006E-20	1.042E-04	3.026E-07	1.131E-08	9.970E-12	2.940E-04	7.499E-01	1.033E-18	1.937E-18
2.100E+03	2.172E-18	8.896E-05	4.804E-07	2.962E-08	1.827E-11	5.742E-04	7.499E-01	6.390E-18	1.345E-17
2.200E+03	1.929E-17	7.708E-05	7.309E-07	6.994E-08	3.171E-11	1.036E-03	7.499E-01	3.785E-17	8.645E-17
2.300E+03	1.271E-16	6.767E-05	1.072E-06	1.932E-07	5.251E-11	1.782E-03	7.499E-01	1.963E-16	5.049E-16
2.400E+03	7.08E-16	6.006E-05	1.522E-06	1.932E-07	3.344E-11	2.926E-03	7.499E-01	8.952E-16	5.049E-16
2.500E+03	3.441E-15	5.381E-05	2.079E-06	4.088E-07	1.278E-10	4.621E-03	7.499E-01	3.639E-15	1.110E-14
2.600E+03	1.484E-14	4.858E-05	2.821E-06	1.120E-06	1.894E-10	7.044E-03	7.499E-01	1.335E-14	4.392E-14
2.700E+03	5.754E-14	4.414E-05	3.703E-06	1.947E-06	1.275E-10	1.041E-02	7.499E-01	4.464E-14	1.579E-13
2.800E+03	2.329E-13	4.029E-05	4.758E-06	3.315E-06	3.814E-10	1.494E-02	7.499E-01	1.374E-13	5.190E-13
2.900E+03	6.767E-13	3.490E-05	5.993E-06	5.303E-06	5.206E-10	2.091E-02	7.499E-01	3.923E-13	1.582E-12
3.000E+03	1.968E-12	3.387E-05	7.411E-06	8.449E-06	4.941E-10	2.860E-02	7.499E-01	1.044E-12	4.604E-12
3.100E+03	5.498E-12	3.112E-05	9.004E-06	1.285E-05	9.051E-10	3.827E-02	7.499E-01	2.62E-12	1.191E-11
3.200E+03	1.441E-11	2.858E-05	1.076E-05	1.900E-05	1.156E-09	5.022E-02	7.499E-01	6.493E-12	6.190E-11
3.300E+03	3.565E-11	2.622E-05	1.246E-05	2.735E-05	1.444E-09	6.449E-02	7.499E-01	1.390E-11	7.079E-11
3.400E+03	6.359E-11	2.396E-05	1.446E-05	3.841E-05	1.775E-09	8.192E-02	7.499E-01	4.606E-11	1.599E-10
3.500E+03	1.867E-10	2.182E-05	1.672E-05	5.271E-05	2.138E-09	1.021E-01	7.499E-01	6.403E-11	3.449E-10
3.600E+03	3.984E-10	1.977E-05	1.880E-05	7.077E-05	2.528E-09	1.253E-01	7.499E-01	6.064E-11	3.449E-10
3.700E+03	8.156E-10	1.781E-05	2.082E-05	9.310E-05	2.936E-09	1.516E-01	7.499E-01	1.184E-10	1.184E-10
3.800E+03	1.606E-09	1.593E-05	2.273E-05	1.201E-04	3.349E-09	1.800E-01	7.499E-01	2.230E-10	1.417E-09
3.900E+03	3.252E-09	1.413E-05	2.445E-05	1.521E-04	3.755E-09	2.129E-01	7.499E-01	4.036E-10	2.717E-09
4.000E+03	5.607E-09	1.243E-05	2.594E-05	1.893E-04	4.137E-09	2.476E-01	7.499E-01	5.332E-10	5.035E-09
4.100E+03	9.985E-09	1.083E-05	2.714E-05	2.316E-04	4.483E-09	2.845E-01	7.499E-01	1.192E-09	9.038E-09
4.200E+03	1.727E-08	9.342E-06	2.800E-05	2.789E-04	4.779E-09	3.230E-01	7.499E-01	1.951E-09	1.575E-08
4.300E+03	2.906E-08	7.976E-06	2.850E-05	3.309E-04	5.015E-09	3.627E-01	7.499E-01	3.098E-09	2.669E-08
4.400E+03	4.765E-08	6.740E-06	2.863E-05	3.870E-04	5.183E-09	4.028E-01	7.499E-01	4.782E-09	4.407E-08
4.500E+03	7.629E-08	5.637E-06	2.840E-05	4.466E-04	5.279E-09	4.429E-01	7.499E-01	7.185E-09	7.099E-08
4.600E+03	1.194E-07	4.667E-06	2.784E-05	5.089E-04	5.306E-09	4.822E-01	7.499E-01	1.052E-08	1.111E-07
4.700E+03	1.830E-07	3.827E-06	2.699E-05	5.732E-04	5.265E-09	5.201E-01	7.499E-01	1.504E-08	1.721E-07
4.800E+03	2.750E-07	3.112E-06	2.589E-05	6.388E-04	5.166E-09	5.561E-01	7.499E-01	2.101E-08	2.590E-07
4.900E+03	4.055E-07	2.510E-06	2.460E-05	7.048E-04	5.017E-09	5.899E-01	7.499E-01	2.874E-08	3.847E-07
5.000E+03	5.877E-07	2.011E-06	2.318E-05	7.707E-04	4.820E-09	6.210E-01	7.499E-01	3.854E-08	5.595E-07
5.100E+03	1.177E-06	1.270E-06	2.015E-05	9.000E-04	4.371E-09	6.574E-01	7.499E-01	5.173E-08	1.126E-06
5.200E+03	2.220E-06	7.924E-07	1.715E-05	1.024E-03	3.868E-09	7.175E-01	7.499E-01	1.052E-07	2.138E-06
5.300E+03	4.013E-06	4.920E-07	1.438E-05	1.140E-03	3.368E-09	7.498E-01	7.499E-01	1.601E-07	6.855E-06
5.400E+03	6.927E-06	3.063E-07	1.196E-05	1.248E-03	2.901E-09	7.734E-01	7.499E-01	6.754E-07	6.642E-06
5.500E+03	1.151E-05	1.921E-07	9.893E-06	1.347E-03	2.478E-09	7.900E-01	7.499E-01	5.099E-07	1.100E-05
5.600E+03	1.852E-05	1.216E-07	8.163E-06	1.435E-03	2.103E-09	8.012E-01	7.499E-01	4.464E-07	1.757E-05
5.700E+03	2.892E-05	7.785E-08	6.726E-06	1.511E-03	1.774E-09	8.080E-01	7.499E-01	2.964E-07	2.714E-05
5.800E+03	4.150E-05	5.039E-08	5.535E-06	1.573E-03	1.486E-09	8.115E-01	7.499E-01	2.287E-07	4.093E-05
5.900E+03	6.538E-05	3.294E-08	4.550E-06	1.620E-03	1.234E-09	8.123E-01	7.499E-01	1.781E-07	5.997E-05
7.000E+03	9.512E-05	2.173E-08	3.733E-06	1.650E-03	1.016E-09	8.109E-01	7.499E-01	1.220E-06	6.585E-05
7.200E+03	1.357E-04	1.445E-08	3.055E-06	1.661E-03	8.270E-10	8.078E-01	7.499E-01	1.109E-06	1.202E-04
7.400E+03	1.903E-04	9.670E-09	2.492E-06	1.654E-03	6.650E-10	8.035E-01	7.499E-01	8.864E-03	1.813E-06
7.600E+03	2.624E-04	6.509E-09	2.026E-06	1.627E-03	5.276E-10	7.981E-01	7.499E-01	2.168E-03	2.280E-04
7.800E+03	3.565E-04	4.403E-09	1.640E-06	1.583E-03	4.127E-10	7.923E-01	7.499E-01	5.811E-03	2.957E-04
8.000E+03	4.774E-04	2.994E-09	1.323E-06	1.522E-03	3.184E-10	7.861E-01	7.499E-01	4.766E-03	3.870E-04
8.200E+03	6.308E-04	2.045E-09	1.046E-06	1.449E-03	2.424E-10	7.801E-01	7.499E-01	3.943E-03	4.999E-04
8.400E+03	8.231E-04	1.405E-09	8.538E-07	1.365E-03	1.823E-10	7.743E-01	7.499E-01	3.291E-03	6.386E-04
8.600E+03	1.061E-03	9.718E-10	6.840E-07	1.278E-03	1.357E-10	7.691E-01	7.499E-01	2.771E-03	6.630E-04
8.800E+03	1.353E-03	6.767E-10	5.478E-07	1.185E-03	1.003E-10	7.644E-01	7.499E-01	2.353E-03	5.294E-04
9.000E+03	1.707E-03	4.749E-10	4.392E-07	1.094E-03	7.376E-11	7.604E-01	7.499E-01	2.014E-03	4.029E-04
9.200E+03	2.133E-03	3.362E-10	3.527E-07	1.006E-03	5.411E-11	7.568E-01	7.499E-01	1.758E-03	3.040E-04
9.400E+03	2.640E-03	2.400E-10	2.841E-07	9.229E-04	3.969E-11	7.538E-01	7.499E-01	1.508E-03	2.347E-04
9.600E+03	3.279E-03	1.730E-10	2.299E-07	8.454E-04	2.917E-11	7.511E-01	7.499E-01	1.317E-03	1.708E-04
9.800E+03	3.992E-03	1.250E-10	1.869E-07	7.79E-04	2.151E-11	7.487E-01	7.499E-01	1.157E-03	1.270E-04
1.000E+04	4.781E-03	9.231E-11	1.520E-07	7.086E-04	1.594E-11	7.464E-01	7.499E-01	1.022E-03	9.092E-05
1.100E+04	1.105E-02	2.224E-11	5.897E-08	4.621E-04	3.864E-12	7.349E-01	7.499E-01	5.836E-04	1.406E-05
1.200E+04	2.233E-02	6.325E-12	2.472E-08	3.099E-04	1.071E-12	7.184E-01	7.499E-01	3.571E-04	2.735E-05
1.300E+04	4.036E-02	1.999E-12	1.108E-08	2.111E-04	3.253E-13	6.929E-01	7.499E-01	2.268E-04	3.817E-05
1.400E+04	6.654E-02	6.652E-13	5.085E-09	1.431E-04	1.030E-13	6.561E-01	7.499E-01	1.459E-04	4.932E-05
1.500E+04	1.014E-01	2.211E-13	2.310E-09	9.486E-05	3.243E-14	6.071E-01	7.499E-01	9.305E-05	5.909E-05
1.600E+04	1.440E-01	7.53E-14	1.011E-09	6.042E-05	9.764E-15	5.464E-01	7.499E-01	5.790E-05	6.565E-05
1.700E+04	1.923E-01	2.155E-14	4.173E-10	3.653E-05	2.727E-15	4.749E-01	7.499E-01	3.466E-05	6.761E-05
1.800E+04	2.429E-01	5.954E-15	1.603E-10	2.082E-05	6.940E-16	4.030E-01	7.499E-01	1.978E-05	6.458E-05
1.900E+04	2.920E-01	1.500E-15	5.712E-11	1.119E-05	1.604E-16	3.300E-01	7.499E-01	1.073E-05	5.738E-05
2.000E+04	3.363E-01	3.471E-16	1.904E-11	5.707E-06	3.410E-17	2.627E-01	7.499E-01	5.547E-06	4.775E-05
2.100E+04	3.739E-01	7.539E-17	6.039E-12	2.803E-06	6.832E-18	2.047E-01	7.499E-01	2.760E-06	2.649E-05
2.200E+04	4.040E-01	1.581E-17	1.864E-12	1.348E-06	1.331E-18	1.573E-01	7.499E-01	1.339E-06	2.897E-05
2.300E+04	4.272E-01	3.295E-18	5.727E-13	6.443E-07	2.600E-19	1.203E-01	7.499E-01	6.429E-07	2.082E-05
2.400E+04	4.447E-01	7.006E-19	1.786E-13	3.105E-07	5.222E-20	9.215E-02	7.499E-01	3.096E-07	1.503E-05
2.500E+04	4.577E-01	1.549E-19	5.736E-14	1.523E-07	1.098E-20	7.116E-02	7.499E-01	1.512E-07	1.078E-05
2.600E+04	4.674E-01	3.603E-20	1.914E-14	7.644E-08	2.442E-21	5.560E-02	7.499E-01	7.538E-08	3.439E-05
2.700E+04	4.747E-01	6.660E-21	3.936E-15	3.936E-08	5.766E-22	4.405E-02	7.499E-01	3.855E-08	5.597E-05
2.800E+04	4.804E-01	2.320E-21	2.421E-15	2.079E-08	1.449E-22	3.541E-02	7.499E-01	2.027E-08	4.082E-05
2.900E+04	4.852E-01	6.420E-22	9.173E-16	1.125E-08	3.828E-23	2.889E-02	7.499E-01	1.096E-08	3.008E-05
3.000E+04	4.894E-01	1.875E-22	3.612E-16	6.223E-09	1.064E-23	2.391E-02	7.499E-01	6.097E-09	2.241E-05
3.100E+04	4.934E-01	5.753E-23	1.472E-16	3.502E-09	3.093E-24	2.005E-02	7.499E-01	3.484E-09	1.688E-05
3.200E+04	4.974E-01	1.842E-23	6.174E-17	1.998E					

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	1.782E-17	2.498E-01	2.331E-20	2.120E-32	0.	0.	0.	0.	1.300E+03
0.	4.191E-16	2.499E-01	2.304E-20	2.520E-31	0.	0.	0.	0.	1.400E+03
0.	6.482E-15	2.499E-01	2.252E-20	2.121E-30	0.	0.	0.	0.	1.500E+03
0.	7.131E-14	2.499E-01	2.171E-20	1.350E-29	0.	0.	0.	0.	1.600E+03
0.	9.252E-13	2.499E-01	2.079E-20	6.841E-29	0.	0.	0.	0.	1.700E+03
2.591E-27	3.896E-12	2.500E-01	1.982E-20	2.871E-28	0.	0.	0.	0.	1.800E+03
9.310E-25	2.133E-11	2.500E-01	1.886E-20	1.030E-27	0.	0.	0.	0.	1.900E+03
1.707E-22	4.631E-11	2.499E-01	1.960E-20	3.535E-27	0.	0.	0.	0.	2.000E+03
6.390E-21	3.796E-10	2.499E-01	6.061E-20	3.222E-26	1.260E-28	0.	0.	0.	2.100E+03
7.568E-20	1.325E-09	2.499E-01	3.850E-19	5.471E-25	3.631E-27	0.	0.	0.	2.200E+03
6.456E-19	4.122E-09	2.498E-01	2.323E-18	8.142E-24	6.956E-26	0.	0.	0.	2.300E+03
4.539E-18	1.183E-08	2.496E-01	1.232E-17	9.626E-23	1.027E-24	0.	0.	0.	2.400E+03
2.722E-17	3.103E-08	2.494E-01	5.754E-17	9.752E-22	1.219E-23	0.	0.	0.	2.500E+03
1.420E-16	7.596E-08	2.491E-01	2.383E-16	8.129E-21	1.194E-22	0.	0.	0.	2.600E+03
6.541E-16	1.723E-07	2.487E-01	8.868E-16	5.801E-20	9.867E-22	0.	0.	0.	2.700E+03
2.696E-15	3.794E-07	2.481E-01	2.016E-15	3.603E-19	6.999E-21	0.	0.	0.	2.800E+03
1.006E-14	7.553E-07	2.474E-01	9.446E-15	1.976E-18	4.330E-20	0.	0.	0.	2.900E+03
3.427E-14	1.468E-06	2.464E-01	2.759E-14	9.693E-18	2.368E-19	0.	0.	0.	3.000E+03
1.076E-13	2.734E-06	2.452E-01	7.497E-14	4.297E-17	1.158E-18	0.	0.	0.	3.100E+03
3.132E-13	4.894E-06	2.437E-01	1.816E-13	1.738E-16	5.112E-18	0.	0.	0.	3.200E+03
8.511E-12	8.453E-06	2.419E-01	4.635E-13	6.471E-16	2.058E-17	0.	0.	0.	3.300E+03
2.171E-12	1.413E-05	2.397E-01	1.263E-12	2.233E-15	7.611E-17	0.	0.	0.	3.400E+03
5.225E-12	2.291E-05	2.372E-01	2.331E-12	7.190E-15	2.604E-16	0.	0.	0.	3.500E+03
1.191E-11	3.613E-05	2.343E-01	4.895E-12	2.173E-14	8.290E-16	0.	0.	0.	3.600E+03
2.580E-11	5.554E-05	2.310E-01	9.883E-12	6.159E-14	2.470E-15	0.	0.	0.	3.700E+03
5.333E-11	8.339E-05	2.273E-01	1.924E-11	1.675E-13	6.920E-15	0.	0.	0.	3.800E+03
1.055E-10	1.225E-04	2.237E-01	3.624E-11	4.308E-13	1.832E-14	0.	0.	0.	3.900E+03
2.001E-10	1.762E-04	2.189E-01	6.618E-11	1.059E-12	4.589E-14	0.	0.	0.	4.000E+03
3.650E-10	2.484E-04	2.142E-01	1.175E-10	2.458E-12	1.102E-13	0.	0.	0.	4.100E+03
6.417E-10	3.453E-04	2.093E-01	2.031E-10	5.665E-12	2.511E-13	0.	0.	0.	4.200E+03
1.040E-09	4.714E-04	2.042E-01	3.428E-10	1.240E-11	5.493E-13	0.	0.	0.	4.300E+03
1.765E-09	6.340E-04	1.990E-01	5.661E-10	2.624E-11	1.154E-12	0.	0.	0.	4.400E+03
2.852E-09	8.413E-04	1.939E-01	9.158E-10	5.387E-11	2.338E-12	0.	0.	0.	4.500E+03
4.411E-09	1.101E-03	1.888E-01	1.454E-09	1.675E-10	4.572E-12	0.	0.	0.	4.600E+03
6.638E-09	1.425E-03	1.836E-01	2.270E-09	2.088E-10	6.655E-12	0.	0.	0.	4.700E+03
9.737E-09	1.824E-03	1.785E-01	3.488E-09	3.957E-10	1.590E-11	0.	0.	0.	4.800E+03
1.394E-08	2.311E-03	1.735E-01	5.283E-09	7.328E-10	2.854E-11	0.	0.	0.	4.900E+03
1.952E-08	2.901E-03	1.682E-01	7.893E-09	1.328E-09	4.971E-11	0.	0.	0.	5.000E+03
3.636E-08	3.837E-03	1.624E-01	1.167E-08	4.105E-09	1.405E-10	0.	0.	0.	5.100E+03
6.023E-08	5.024E-03	1.568E-01	1.787E-08	1.178E-08	3.447E-10	0.	0.	0.	5.200E+03
1.007E-07	6.621E-03	1.517E-01	2.685E-08	1.162E-08	6.784E-10	0.	0.	0.	5.300E+03
1.515E-07	8.701E-03	1.462E-01	4.297E-07	7.967E-08	1.982E-09	0.	0.	0.	5.400E+03
2.111E-07	1.147E-02	1.388E-01	6.354E-07	1.893E-07	4.214E-09	1.233E-25	0.	0.	6.000E+03
3.114E-07	1.534E-02	1.333E-01	9.105E-07	4.258E-07	8.467E-09	1.185E-24	0.	0.	6.200E+03
4.615E-07	2.048E-02	1.273E-01	1.389E-07	9.093E-07	1.627E-08	9.886E-24	0.	0.	6.400E+03
6.227E-07	2.726E-02	1.217E-01	1.110E-06	1.848E-06	2.980E-08	7.242E-23	0.	0.	6.600E+03
8.324E-07	3.647E-02	1.134E-01	1.721E-06	3.586E-06	5.231E-08	4.699E-22	0.	0.	6.800E+03
1.086E-06	4.799E-02	1.053E-01	2.568E-06	6.456E-06	8.821E-08	2.724E-21	0.	0.	7.000E+03
1.386E-06	6.271E-02	9.644E-02	3.686E-06	1.184E-05	1.432E-07	1.421E-20	0.	0.	7.200E+03
1.749E-06	8.404E-02	8.700E-02	5.091E-06	2.023E-05	2.242E-07	6.719E-20	0.	0.	7.400E+03
2.174E-06	1.154E-01	7.720E-02	6.769E-06	3.326E-05	3.904E-07	2.898E-19	0.	0.	7.600E+03
2.668E-06	1.533E-01	6.730E-02	8.668E-06	5.270E-05	4.955E-07	1.147E-18	0.	0.	7.800E+03
3.231E-06	1.990E-01	5.761E-02	1.070E-05	6.065E-05	7.027E-07	4.188E-18	0.	0.	8.000E+03
3.866E-06	2.608E-01	4.644E-02	1.276E-05	1.195E-04	9.661E-07	1.420E-17	0.	0.	8.200E+03
4.621E-06	3.403E-01	3.406E-02	1.474E-05	1.717E-04	1.291E-06	4.493E-17	0.	0.	8.400E+03
5.498E-06	4.421E-01	2.263E-02	1.653E-05	2.401E-04	1.081E-06	1.334E-16	0.	0.	8.600E+03
6.371E-06	5.631E-01	1.262E-02	1.807E-05	3.273E-04	1.138E-06	3.736E-16	0.	0.	8.800E+03
7.345E-06	7.022E-01	2.091E-02	1.932E-05	4.365E-04	2.662E-06	9.918E-16	0.	0.	9.000E+03
8.524E-06	8.602E-01	1.655E-02	2.027E-05	5.704E-04	3.253E-06	2.508E-15	0.	0.	9.200E+03
9.700E-06	1.025E-01	1.304E-02	2.096E-05	7.333E-04	3.910E-06	6.065E-15	0.	0.	9.400E+03
1.111E-05	1.230E-01	1.026E-02	2.142E-05	9.261E-04	4.637E-06	1.408E-14	0.	0.	9.600E+03
1.256E-05	1.534E-01	8.074E-03	2.168E-05	1.159E-03	5.422E-06	3.150E-14	0.	0.	9.800E+03
1.413E-05	1.939E-01	6.365E-03	2.179E-05	1.430E-03	6.276E-06	6.807E-14	0.	0.	1.000E+04
1.582E-05	2.398E-01	2.069E-03	2.042E-05	1.763E-03	7.148E-05	2.077E-12	0.	0.	1.100E+04
1.765E-05	2.955E-01	7.363E-04	1.975E-05	2.166E-03	7.955E-05	3.568E-11	0.	0.	1.200E+04
1.954E-05	3.651E-01	2.901E-04	1.664E-05	1.376E-02	2.485E-05	7.969E-10	3.845E-25	0.	1.300E+04
2.148E-05	4.502E-01	1.214E-04	1.402E-05	2.285E-02	3.096E-05	3.14CF-09	4.581E-23	0.	1.400E+04
2.348E-05	5.591E-01	5.233E-05	1.127E-05	3.471E-02	3.493E-05	1.889E-08	2.965E-21	0.	1.500E+04
2.554E-05	6.924E-01	2.263E-05	8.562E-06	4.873E-02	3.581E-05	9.085E-08	1.173E-19	0.	1.600E+04
2.766E-05	8.501E-01	9.623E-06	6.115E-06	6.375E-02	3.346E-05	3.629E-07	3.154E-18	0.	1.700E+04
2.983E-05	1.039E-01	3.977E-06	4.130E-06	7.832E-02	2.863E-05	1.241E-06	5.895E-17	0.	1.800E+04
3.205E-05	1.295E-01	1.593E-06	2.594E-06	9.113E-02	2.263E-05	3.727E-06	8.495E-16	0.	1.900E+04
3.432E-05	1.645E-01	6.230E-07	1.566E-06	1.014E-01	1.675E-05	1.004E-05	9.703E-15	0.	2.000E+04
3.674E-05	2.055E-01	2.409E-07	9.164E-07	1.090E-01	1.175E-05	2.472E-05	9.093E-14	0.	2.100E+04
3.927E-05	2.534E-01	9.367E-08	5.247E-07	1.142E-01	8.042E-06	5.640E-05	7.181E-13	0.	2.200E+04
4.190E-05	3.094E-01	3.713E-08	3.049E-07	1.177E-01	5.395E-06	1.206E-04	4.877E-12	0.	2.300E+04
4.463E-05	3.807E-01	1.517E-08	1.777E-07	1.195E-01	3.604E-06	7.445E-04	2.895E-11	0.	2.400E+04
4.746E-05	4.662E-01	6.425E-09	1.053E-07	1.212E-01	2.419E-06	4.691E-04	1.521E-10	0.	2.500E+04
5.039E-05	5.754E-01	2.827E-09	6.357E-08	1.218E-01	1.640E-06	8.621E-04	7.150E-10	0.	2.600E+04
5.342E-05	7.087E-01	1.291E-09	3.910E-08	1.217E-01	1.126E-06	1.519E-03	3.033E-09	0.	2.700E+04
5.655E-05	8.764E-01	6.098E-10	2.449E-08	1.213E-01	7.834E-07	2.571E-03	1.170E-08	0.	2.800E+04
5.978E-05	1.083E-01	2.965E-10	1.549E-08	1.190E-01	5.516E-07	4.189E-03	4.126E-08	0.	2.900E+04
6.309E-05	1.392E-01	1.474E-10	9.874E-09	1.172E-01	3.748E-07	6.570E-03	1.337E-07	0.	3.000E+04
6.648E-05	1.713E-01	7.441E-11	6.086E-09	1.136E-01	2.411E-07	9.919E-03	3.995E-07	0.	3.100E+04
6.994E-05	2.146E-01	3.785E-11	4.006E-09	1.088E-01	1.337E-07	1.440E-02	1.104E-06	0.	3.200E+04
7.346E-05	2.691E-01	1.925E-11	2.513E-09	1.025E-01	1.465E-07	2.311E-02	2.826E-06	0.	3.300E+04
7.704E-05	3.454E-01	9.724E-12	1.548E-09	9.447E-02	1.054E-07	2.697E-02	6.725E-06	0.	3.400E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	N	H2	H2+	H+
3.500E+04	5.113E-01	7.394E-25	5.159E-18	3.867E-10	2.798E-26	1.110E-02	4.736E-10	6.015E-07	3.555E-01
3.600E+04	5.163E-01	2.663E-25	2.314E-18	2.245E-10	8.039E-27	9.795E-03	3.033E-10	4.757E-07	3.530E-01
3.700E+04	5.212E-01	9.786E-26	1.056E-18	1.302E-10	2.800E-27	8.707E-03	1.979E-10	3.795E-07	3.504E-01
3.800E+04	5.260E-01	3.665E-26	4.845E-19	7.545E-11	8.888E-28	7.792E-03	1.314E-10	3.095E-07	3.477E-01
3.900E+04	5.304E-01	1.399E-26	2.247E-19	4.375E-11	2.834E-28	7.014E-03	8.871E-11	2.480E-07	3.452E-01
4.000E+04	5.344E-01	5.446E-27	1.054E-19	2.542E-11	9.099E-29	6.349E-03	6.081E-11	2.031E-07	3.429E-01
4.100E+04	5.379E-01	2.163E-27	5.003E-20	1.483E-11	2.953E-29	5.775E-03	4.230E-11	1.476E-07	3.406E-01
4.200E+04	5.409E-01	8.773E-28	2.409E-20	8.703E-12	9.715E-30	5.277E-03	2.983E-11	1.395E-07	3.391E-01
4.300E+04	5.435E-01	3.636E-28	1.177E-20	5.143E-12	3.253E-30	4.842E-03	2.131E-11	1.169E-07	3.375E-01
4.400E+04	5.458E-01	1.740E-28	5.840E-21	3.064E-12	1.105E-30	4.460E-03	1.541E-11	9.858E-08	3.362E-01
4.500E+04	5.479E-01	6.866E-29	2.943E-21	1.842E-12	3.857E-31	4.121E-03	1.128E-11	8.368E-08	3.350E-01
4.600E+04	5.498E-01	2.945E-29	1.506E-21	1.117E-12	0.	3.820E-03	8.338E-12	7.144E-08	3.338E-01
4.700E+04	5.516E-01	1.328E-29	7.819E-22	6.833E-13	0.	3.551E-03	6.227E-12	6.131E-08	3.326E-01
4.800E+04	5.534E-01	6.097E-30	4.116E-22	4.215E-13	0.	3.310E-03	4.694E-12	5.286E-08	3.317E-01
4.900E+04	5.552E-01	2.849E-30	2.194E-22	2.619E-13	0.	3.092E-03	3.572E-12	4.578E-08	3.305E-01
5.000E+04	5.571E-01	1.352E-30	1.183E-22	1.638E-13	0.	2.895E-03	2.740E-12	3.980E-08	3.293E-01

P/PD = 2.40E+01

T	E-	NH3	NH2	NH	N2H2	N	H2	H2+	H+
5.000E+02	0.	5.323E-01	1.586E-20	7.558E-35	1.459E-28	8.479E-22	3.508E-01	1.297E-18	1.245E-21
6.000E+02	0.	1.956E-01	2.714E-17	7.245E-29	1.810E-24	7.370E-18	6.033E-01	1.006E-16	3.983E-21
7.000E+02	0.	5.748E-02	3.828E-15	1.079E-24	9.283E-22	4.356E-15	7.369E-01	8.782E-19	1.080E-20
8.000E+02	0.	1.699E-02	1.364E-13	1.343E-21	8.404E-20	5.087E-13	7.350E-01	8.277E-19	2.532E-20
9.000E+02	0.	7.582E-03	2.126E-12	3.363E-19	2.669E-18	2.063E-11	7.443E-01	7.906E-19	4.958E-20
1.000E+03	0.	3.563E-03	1.873E-11	2.775E-17	4.195E-17	4.009E-10	7.473E-01	7.502E-19	8.404E-20
1.100E+03	0.	1.905E-03	1.111E-10	1.022E-15	3.986E-16	4.569E-09	7.486E-01	7.039E-19	1.272E-19
1.200E+03	0.	1.126E-03	4.864E-10	2.063E-14	2.606E-15	3.487E-08	7.492E-01	6.533E-19	1.761E-19
1.300E+03	0.	7.214E-04	1.694E-09	2.636E-13	1.279E-14	1.954E-07	7.495E-01	6.011E-19	2.275E-19
1.400E+03	0.	4.925E-04	4.929E-09	2.325E-12	5.018E-14	8.591E-07	7.496E-01	5.500E-19	2.786E-19
1.500E+03	0.	3.541E-04	1.243E-08	1.543E-11	1.644E-13	3.109E-06	7.497E-01	5.017E-19	3.273E-19
1.600E+03	5.636E-30	2.657E-04	2.792E-08	8.063E-11	4.667E-13	9.600E-06	7.498E-01	4.573E-19	3.724E-19
1.700E+03	5.280E-27	2.065E-04	5.701E-08	3.669E-10	1.174E-12	2.602E-05	7.498E-01	4.173E-19	4.132E-19
1.800E+03	2.354E-24	1.653E-04	1.075E-07	1.269E-09	2.672E-12	6.321E-05	7.498E-01	3.817E-19	4.497E-19
1.900E+03	5.602E-22	1.357E-04	1.897E-07	4.050E-09	5.574E-12	1.401E-04	7.498E-01	3.505E-19	4.824E-19
2.000E+03	7.210E-20	1.137E-04	3.161E-07	1.151E-08	1.089E-11	2.870E-04	7.497E-01	3.500E-19	5.539E-19
2.100E+03	2.032E-18	9.705E-05	5.017E-07	2.962E-08	1.993E-11	5.497E-04	7.494E-01	1.012E-18	1.810E-18
2.200E+03	1.819E-17	8.410E-05	7.635E-07	6.995E-08	3.459E-11	9.934E-04	7.491E-01	6.216E-18	1.252E-17
2.300E+03	1.199E-16	7.383E-05	1.120E-06	1.932E-07	5.729E-11	1.706E-03	7.485E-01	6.279E-17	8.230E-17
2.400E+03	6.675E-16	6.554E-05	1.590E-06	3.144E-07	9.104E-11	2.802E-03	7.475E-01	1.909E-16	4.700E-16
2.500E+03	3.243E-15	5.873E-05	2.193E-06	6.089E-07	1.395E-10	4.424E-03	7.461E-01	8.710E-16	2.344E-15
2.600E+03	1.398E-14	5.303E-05	2.947E-06	1.123E-06	2.068E-10	6.745E-03	7.441E-01	3.542E-15	1.035E-14
2.700E+03	5.419E-14	4.819E-05	3.870E-06	1.968E-06	2.975E-10	9.965E-03	7.412E-01	1.300E-14	4.097E-14
2.800E+03	1.910E-13	4.401E-05	4.974E-06	3.317E-06	4.165E-10	1.431E-02	7.374E-01	4.349E-14	1.472E-13
2.900E+03	6.182E-13	4.033E-05	6.268E-06	5.387E-06	5.688E-10	2.003E-02	7.324E-01	1.339E-13	4.849E-13
3.000E+03	1.852E-12	3.704E-05	7.754E-06	8.457E-06	7.587E-10	2.740E-02	7.260E-01	3.826E-13	1.478E-12
3.100E+03	5.174E-12	3.408E-05	9.428E-06	1.287E-05	9.901E-10	3.668E-02	7.179E-01	1.021E-12	4.186E-12
3.200E+03	1.354E-11	3.131E-05	1.128E-05	1.904E-05	1.265E-09	4.814E-02	7.078E-01	2.539E-12	1.112E-11
3.300E+03	3.354E-11	2.875E-05	1.328E-05	2.742E-05	1.585E-09	6.204E-02	6.957E-01	6.037E-12	2.787E-11
3.400E+03	7.867E-11	2.633E-05	1.539E-05	3.853E-05	1.948E-09	7.860E-02	6.812E-01	1.360E-11	6.616E-11
3.500E+03	1.757E-10	2.402E-05	1.758E-05	5.291E-05	2.350E-09	9.600E-02	6.642E-01	2.960E-11	1.495E-10
3.600E+03	3.750E-10	2.182E-05	1.979E-05	7.111E-05	2.784E-09	1.204E-01	6.446E-01	5.945E-11	3.224E-10
3.700E+03	7.679E-10	1.970E-05	2.196E-05	9.383E-05	3.235E-09	1.457E-01	6.224E-01	1.164E-10	6.673E-10
3.800E+03	1.513E-09	1.767E-05	2.402E-05	1.209E-04	3.704E-09	1.740E-01	5.976E-01	2.192E-10	1.327E-09
3.900E+03	2.875E-09	1.573E-05	2.591E-05	1.533E-04	4.184E-09	2.051E-01	5.704E-01	3.975E-10	2.566E-09
4.000E+03	5.285E-09	1.389E-05	2.756E-05	1.911E-04	4.682E-09	2.385E-01	5.409E-01	6.958E-10	4.722E-09
4.100E+03	9.416E-09	1.215E-05	2.881E-05	2.242E-04	5.003E-09	2.747E-01	5.094E-01	1.178E-09	8.483E-09
4.200E+03	1.629E-08	1.033E-05	2.992E-05	2.628E-04	5.352E-09	3.123E-01	4.764E-01	1.933E-09	1.480E-08
4.300E+03	2.743E-08	9.037E-06	3.056E-05	3.359E-04	5.637E-09	3.512E-01	4.423E-01	3.078E-09	2.510E-08
4.400E+03	4.502E-08	7.807E-06	3.082E-05	3.936E-04	5.948E-09	3.908E-01	4.076E-01	4.743E-09	4.147E-08
4.500E+03	7.124E-08	6.456E-06	3.069E-05	4.551E-04	5.982E-09	4.304E-01	3.728E-01	1.715E-09	6.888E-08
4.600E+03	1.130E-07	5.376E-06	3.020E-05	5.197E-04	6.036E-09	4.694E-01	3.384E-01	1.054E-08	1.054E-07
4.700E+03	1.733E-07	4.435E-06	2.939E-05	5.866E-04	6.015E-09	5.073E-01	3.052E-01	1.511E-08	1.625E-07
4.800E+03	2.604E-07	3.627E-06	2.830E-05	6.595E-04	5.926E-09	5.436E-01	2.734E-01	2.117E-08	2.454E-07
4.900E+03	3.847E-07	2.943E-06	2.700E-05	7.241E-04	5.777E-09	5.777E-01	2.433E-01	2.905E-08	3.640E-07
5.000E+03	5.580E-07	2.371E-06	2.554E-05	7.933E-04	5.580E-09	6.093E-01	2.154E-01	3.907E-08	5.299E-07
5.200E+03	1.119E-06	1.514E-06	2.238E-05	9.294E-04	5.087E-09	6.466E-01	1.664E-01	6.490E-08	1.049E-06
5.400E+03	2.122E-06	9.532E-07	1.914E-05	1.041E-03	4.584E-09	7.088E-01	1.269E-01	1.078E-07	2.033E-06
5.600E+03	3.827E-06	5.964E-07	1.614E-05	1.184E-03	3.942E-09	7.427E-01	9.608E-02	1.647E-07	3.671E-06
5.800E+03	6.610E-06	3.738E-07	1.348E-05	1.299E-03	3.426E-09	7.678E-01	7.262E-02	2.408E-07	6.334E-06
6.000E+03	1.100E-05	2.357E-07	1.119E-05	1.404E-03	2.938E-09	7.857E-01	5.502E-02	3.393E-07	1.050E-05
6.200E+03	1.749E-05	1.499E-07	9.240E-06	1.498E-03	2.501E-09	7.979E-01	4.190E-02	4.634E-07	1.679E-05
6.400E+03	2.744E-05	9.633E-08	7.651E-06	1.580E-03	2.117E-09	8.057E-01	3.214E-02	6.163E-07	2.602E-05
6.600E+03	4.236E-05	6.256E-08	6.313E-06	1.648E-03	1.779E-09	8.099E-01	2.465E-02	8.008E-07	3.916E-05
6.800E+03	6.251E-05	4.104E-08	5.202E-06	1.700E-03	1.483E-09	8.113E-01	1.938E-02	1.019E-06	5.743E-05
7.000E+03	9.055E-05	2.716E-08	4.279E-06	1.735E-03	1.225E-09	8.105E-01	1.525E-02	1.274E-06	8.252E-05
7.200E+03	1.298E-04	1.812E-08	3.511E-06	1.751E-03	1.002E-09	8.078E-01	1.210E-02	1.566E-06	1.133E-04
7.400E+03	1.820E-04	1.217E-08	2.875E-06	1.747E-03	8.094E-10	8.038E-01	9.679E-03	1.898E-06	1.584E-04
7.600E+03	2.510E-04	8.218E-09	2.342E-06	1.723E-03	6.456E-10	7.988E-01	7.809E-03	2.271E-06	2.137E-04
7.800E+03	3.409E-04	5.578E-09	1.903E-06	1.681E-03	5.079E-10	7.932E-01	6.354E-03	2.687E-06	2.838E-04
8.000E+03	4.565E-04	3.805E-09	1.540E-06	1.621E-03	3.941E-10	7.872E-01	5.213E-03	3.148E-06	3.714E-04
8.200E+03	6.038E-04	2.608E-09	1.242E-06	1.548E-03	3.018E-10	7.812E-01	4.314E-03	3.660E-06	4.799E-04
8.400E+03	7.872E-04	1.797E-09	9.995E-07	1.463E-03	2.283E-10	7.753E-01	3.601E-03	4.277E-06	6.129E-04
8.600E+03	1.015E-03	1.244E-09	8.029E-07	1.371E-03	1.710E-10	7.702E-01	3.032E-03	4.854E-06	7.747E-04
8.800E+03	1.295E-03	8.699E-10	6.447E-07	1.276E-03	1.270E-10	7.654E-01	2.573E-03	5.549E-06	9.702E-04

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.945E-07	1.216E-03	4.851E-12	9.323E-10	8.617E-02	7.546E-08	3.479E-02	1.492E-05	1.979E-12	3.500E+04
2.395E-07	9.408E-04	2.383E-12	5.479E-10	7.677E-02	5.364E-08	4.319E-02	3.097E-05	8.725E-12	3.600E+04
1.979E-07	7.201E-04	1.151E-12	3.143E-10	6.714E-02	3.783E-08	5.177E-02	6.049E-05	3.477E-11	3.700E+04
1.659E-07	5.454E-04	5.477E-13	1.763E-10	5.775E-02	2.647E-08	6.009E-02	1.118E-04	1.264E-10	3.800E+04
1.405E-07	4.095E-04	2.573E-13	9.708E-11	4.898E-02	1.839E-08	6.782E-02	1.966E-04	4.230E-10	3.900E+04
1.212E-07	3.053E-04	1.199E-13	5.273E-11	4.107E-02	1.272E-08	7.471E-02	3.310E-04	1.314E-09	4.000E+04
1.053E-07	2.266E-04	5.538E-14	2.838E-11	3.414E-02	8.769E-09	8.063E-02	5.360E-04	3.816E-09	4.100E+04
9.247E-08	1.677E-04	2.573E-14	1.521E-11	2.822E-02	6.041E-09	8.555E-02	8.389E-04	1.043E-08	4.200E+04
8.140E-08	1.241E-04	1.199E-14	8.145E-12	2.324E-02	4.165E-09	8.948E-02	1.274E-03	2.702E-08	4.300E+04
7.311E-08	9.182E-05	5.631E-15	4.371E-12	1.910E-02	2.879E-09	9.246E-02	1.883E-03	6.654E-08	4.400E+04
6.573E-08	6.808E-05	2.660E-15	2.356E-12	1.569E-02	1.997E-09	9.456E-02	2.715E-03	1.565E-07	4.500E+04
5.948E-08	5.059E-05	1.267E-15	1.276E-12	1.248E-02	1.390E-09	9.580E-02	3.827E-03	3.526E-07	4.600E+04
5.413E-08	3.764E-05	6.097E-16	6.950E-13	1.057E-02	9.715E-10	9.621E-02	5.280E-03	7.627E-07	4.700E+04
4.951E-08	2.812E-05	2.956E-16	3.802E-13	8.680E-03	6.822E-10	9.581E-02	7.136E-03	1.588E-06	4.800E+04
4.549E-08	2.102E-05	1.444E-16	2.089E-13	7.122E-03	4.804E-10	9.460E-02	9.452E-03	3.184E-06	4.900E+04
4.198E-08	1.573E-05	7.092E-17	1.150E-13	5.838E-03	3.393E-10	9.259E-02	1.227E-02	6.162E-06	5.000E+04

P/PO = 2.40E+01

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.169E-01	6.199E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	2.011E-01	8.660E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.356E-01	1.148E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.833E-29	2.445E-01	1.475E-20	0.	0.	0.	0.	0.	8.000E+02
0.	5.211E-26	2.441E-01	1.795E-20	0.	0.	0.	0.	0.	9.000E+02
0.	3.331E-23	2.441E-01	2.038E-20	0.	0.	0.	0.	0.	1.000E+03
0.	2.562E-21	2.445E-01	2.218E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.797E-19	2.447E-01	2.322E-20	0.	1.116E-33	0.	0.	0.	1.200E+03
0.	1.706E-17	2.444E-01	2.359E-20	0.	2.054E-32	0.	0.	0.	1.300E+03
0.	9.312E-16	2.449E-01	2.343E-20	0.	2.444E-31	0.	0.	0.	1.400E+03
0.	6.200E-15	2.449E-01	2.290E-20	0.	2.065E-30	0.	0.	0.	1.500E+03
0.	6.027E-14	2.449E-01	2.214E-20	0.	1.318E-29	0.	0.	0.	1.600E+03
0.	2.673E-13	2.449E-01	2.124E-20	0.	6.692E-29	0.	0.	0.	1.700E+03
2.442E-27	1.733E-12	2.449E-01	2.028E-20	0.	2.813E-28	0.	0.	0.	1.800E+03
6.095E-25	2.144E-11	2.449E-01	1.934E-20	0.	1.011E-27	0.	0.	0.	1.900E+03
1.606E-24	9.192E-11	2.449E-01	1.945E-20	0.	3.445E-27	0.	0.	0.	2.000E+03
6.242E-21	3.624E-10	2.449E-01	5.941E-20	0.	3.024E-26	1.230E-28	0.	0.	2.100E+03
7.450E-20	1.269E-09	2.449E-01	3.744E-19	0.	5.095E-25	3.575E-27	0.	0.	2.200E+03
6.359E-19	3.975E-09	2.449E-01	2.269E-18	0.	7.577E-24	6.854E-26	0.	0.	2.300E+03
4.470E-18	1.133E-08	2.449E-01	1.198E-17	0.	9.148E-23	1.012E-24	0.	0.	2.400E+03
2.640E-17	2.971E-08	2.449E-01	5.597E-17	0.	9.082E-22	1.200E-23	0.	0.	2.500E+03
1.397E-16	7.235E-08	2.449E-01	2.319E-16	0.	7.573E-21	1.175E-22	0.	0.	2.600E+03
6.436E-16	1.650E-07	2.448E-01	8.632E-16	0.	5.406E-20	9.707E-22	0.	0.	2.700E+03
2.853E-15	3.547E-07	2.448E-01	2.950E-15	0.	3.359E-19	6.885E-21	0.	0.	2.800E+03
4.895E-15	7.233E-07	2.447E-01	9.246E-15	0.	1.843E-18	4.258E-20	0.	0.	2.900E+03
3.372E-14	1.406E-06	2.446E-01	2.689E-14	0.	9.041E-18	2.328E-19	0.	0.	3.000E+03
1.058E-13	2.619E-06	2.445E-01	7.336E-14	0.	4.009E-17	1.138E-18	0.	0.	3.100E+03
3.082E-13	4.668E-06	2.440E-01	1.868E-13	0.	1.622E-16	5.025E-18	0.	0.	3.200E+03
8.340E-13	6.099E-06	2.422E-01	4.516E-13	0.	6.039E-16	2.024E-17	0.	0.	3.300E+03
2.139E-12	1.354E-05	2.401E-01	1.038E-12	0.	2.084E-15	7.488E-17	0.	0.	3.400E+03
5.150E-12	2.146E-05	2.377E-01	2.275E-12	0.	6.712E-15	2.522E-16	0.	0.	3.500E+03
1.175E-11	3.464E-05	2.349E-01	4.779E-12	0.	2.029E-14	8.161E-16	0.	0.	3.600E+03
2.548E-11	5.326E-05	2.317E-01	9.652E-12	0.	5.784E-14	2.433E-15	0.	0.	3.700E+03
5.273E-11	7.949E-05	2.281E-01	1.880E-11	0.	1.563E-13	6.821E-15	0.	0.	3.800E+03
1.044E-10	1.175E-04	2.242E-01	3.541E-11	0.	4.022E-13	1.807E-14	0.	0.	3.900E+03
1.984E-10	1.642E-04	2.199E-01	6.466E-11	0.	9.889E-13	4.541E-14	0.	0.	4.000E+03
3.626E-10	2.389E-04	2.156E-01	1.148E-10	0.	2.331E-12	1.086E-13	0.	0.	4.100E+03
6.387E-10	3.317E-04	2.106E-01	1.986E-10	0.	5.286E-12	2.473E-13	0.	0.	4.200E+03
1.087E-09	4.529E-04	2.056E-01	3.352E-10	0.	1.156E-11	5.436E-13	0.	0.	4.300E+03
1.740E-09	6.094E-04	2.006E-01	5.534E-10	0.	2.447E-11	1.144E-12	0.	0.	4.400E+03
2.858E-09	8.046E-04	1.955E-01	8.950E-10	0.	5.021E-11	2.316E-12	0.	0.	4.500E+03
4.433E-09	1.059E-03	1.904E-01	1.421E-09	0.	1.001E-10	4.338E-12	0.	0.	4.600E+03
6.891E-09	1.372E-03	1.854E-01	2.216E-09	0.	1.943E-10	8.595E-12	0.	0.	4.700E+03
9.841E-09	1.744E-03	1.802E-01	3.403E-09	0.	3.680E-10	1.581E-11	0.	0.	4.800E+03
1.413E-08	2.243E-03	1.763E-01	5.150E-09	0.	6.810E-10	2.841E-11	0.	0.	4.900E+03
1.984E-08	2.740E-03	1.717E-01	7.688E-09	0.	1.233E-09	4.952E-11	0.	0.	5.000E+03
3.682E-08	4.285E-03	1.678E-01	1.658E-08	0.	3.804E-09	1.401E-10	0.	0.	5.200E+03
6.367E-08	6.343E-03	1.569E-01	3.383E-08	0.	1.090E-08	3.662E-10	0.	0.	5.400E+03
1.038E-07	9.250E-03	1.508E-01	6.649E-08	0.	2.921E-08	8.784E-10	0.	0.	5.600E+03
1.600E-07	1.337E-02	1.452E-01	1.254E-07	0.	7.352E-08	1.982E-09	0.	0.	5.800E+03
2.354E-07	1.804E-02	1.398E-01	2.275E-07	0.	1.746E-07	4.218E-09	1.092E-25	0.	6.000E+03
3.440E-07	2.433E-02	1.343E-01	3.967E-07	0.	3.926E-07	8.501E-09	1.048E-24	0.	6.200E+03
4.798E-07	3.217E-02	1.284E-01	6.656E-07	0.	8.384E-07	1.631E-08	8.743E-24	0.	6.400E+03
6.523E-07	4.162E-02	1.219E-01	1.075E-06	0.	1.705E-06	2.990E-08	6.406E-23	0.	6.600E+03
8.672E-07	5.276E-02	1.147E-01	1.670E-06	0.	3.311E-06	5.255E-08	4.160E-22	0.	6.800E+03
1.130E-06	6.577E-02	1.068E-01	2.498E-06	0.	6.153E-06	8.874E-08	2.414E-21	0.	7.000E+03
1.448E-06	7.989E-02	9.815E-02	3.597E-06	0.	1.076E-05	1.443E-07	1.261E-20	0.	7.200E+03
1.826E-06	9.548E-02	8.905E-02	4.987E-06	0.	1.877E-05	2.263E-07	5.975E-20	0.	7.400E+03
2.270E-06	1.119E-01	7.923E-02	6.866E-06	0.	3.074E-05	3.430E-07	2.583E-19	0.	7.600E+03
2.786E-06	1.357E-01	6.942E-02	9.471E-06	0.	4.912E-05	5.330E-07	1.225E-18	0.	7.800E+03
3.381E-06	1.653E-01	5.976E-02	1.3064E-05	0.	7.536E-05	7.184E-07	3.753E-18	0.	8.000E+03
4.030E-06	1.812E-01	5.059E-02	1.277E-05	0.	1.120E-04	8.856E-07	1.276E-17	0.	8.200E+03
4.822E-06	1.799E-01	4.204E-02	1.443E-05	0.	1.614E-04	1.321E-06	4.048E-17	0.	8.400E+03
5.842E-06	1.819E-01	3.444E-02	1.672E-05	0.	2.233E-04	1.726E-06	1.205E-16	0.	8.600E+03
6.857E-06	2.033E-01	2.782E-02	1.837E-05	0.	3.093E-04	2.201E-06	3.383E-16	0.	8.800E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	N	H2	H2+	H+
9.000E+03	1.634E-03	6.118E-10	5.179E-07	1.161E-03	9.302E-11	7.612E-01	2.202E-03	6.317E-06	1.205E-03
9.200E+03	2.041E-03	4.338E-10	4.168E-07	1.089E-03	6.910E-11	7.576E-01	1.898E-03	7.163E-06	1.484E-03
9.400E+03	2.527E-03	3.102E-10	3.362E-07	1.000E-03	5.087E-11	7.545E-01	1.648E-03	8.094E-06	1.814E-03
9.600E+03	3.100E-03	2.238E-10	2.722E-07	9.176E-04	3.749E-11	7.517E-01	1.439E-03	9.114E-06	2.202E-03
9.800E+03	3.774E-03	1.629E-10	2.212E-07	8.411E-04	2.772E-11	7.493E-01	1.265E-03	1.022E-05	2.655E-03
1.000E+04	4.558E-03	1.197E-10	1.805E-07	7.708E-04	2.057E-11	7.470E-01	1.117E-03	1.143E-05	3.180E-03
1.100E+04	5.595E-02	2.895E-11	6.970E-08	5.045E-04	5.024E-12	7.356E-01	6.380E-04	1.890E-05	3.714E-03
1.200E+04	2.140E-02	8.271E-12	2.957E-08	3.393E-04	1.600E-12	7.197E-01	3.910E-04	2.864E-05	4.255E-02
1.300E+04	3.871E-02	2.632E-12	1.333E-08	2.319E-04	4.286E-13	6.952E-01	2.491E-04	4.006E-05	2.553E-02
1.400E+04	6.390E-02	8.846E-13	6.164E-09	1.582E-04	1.582E-13	6.599E-01	1.609E-04	5.194E-05	4.196E-02
1.500E+04	9.752E-02	2.596E-13	2.831E-09	1.056E-04	4.386E-14	6.125E-01	1.033E-04	6.252E-05	6.410E-02
1.600E+04	1.389E-01	9.834E-14	1.257E-09	6.796E-05	1.348E-14	5.538E-01	6.487E-05	6.991E-05	9.183E-02
1.700E+04	1.861E-01	3.034E-14	5.285E-10	4.162E-05	3.861E-15	4.860E-01	3.926E-05	7.258E-05	1.262E-01
1.800E+04	2.359E-01	8.624E-15	2.074E-10	2.408E-05	1.012E-15	4.135E-01	2.271E-05	7.001E-05	1.595E-01
1.900E+04	2.846E-01	2.241E-15	7.572E-11	1.315E-05	2.418E-16	3.411E-01	1.251E-05	6.291E-05	1.953E-01
2.000E+04	3.292E-01	5.360E-16	2.587E-11	6.822E-06	5.315E-17	2.737E-01	6.570E-06	5.297E-05	2.327E-01
2.100E+04	3.673E-01	1.201E-16	8.400E-12	3.404E-06	1.099E-17	2.149E-01	3.320E-06	4.220E-05	2.595E-01
2.200E+04	3.983E-01	2.591E-17	2.648E-12	1.659E-06	2.201E-18	1.664E-01	1.634E-06	2.221E-05	2.849E-01
2.300E+04	4.224E-01	5.531E-18	8.281E-13	8.025E-07	4.399E-19	1.280E-01	7.944E-07	2.385E-05	3.051E-01
2.400E+04	4.407E-01	1.199E-18	2.620E-13	3.904E-07	9.803E-20	9.857E-02	3.865E-07	1.735E-05	3.218E-01
2.500E+04	4.545E-01	2.492E-19	8.510E-14	1.928E-07	1.921E-20	7.643E-02	1.902E-07	1.253E-05	3.327E-01
2.600E+04	4.647E-01	6.339E-20	2.864E-14	9.734E-08	4.319E-21	5.990E-02	9.545E-08	9.042E-06	3.415E-01
2.700E+04	4.725E-01	1.576E-20	1.004E-14	5.034E-08	1.029E-21	4.757E-02	4.906E-08	6.559E-06	3.480E-01
2.800E+04	4.786E-01	4.150E-21	3.669E-15	2.670E-08	2.599E-22	3.832E-02	2.589E-08	4.797E-06	3.527E-01
2.900E+04	4.836E-01	1.156E-21	1.397E-15	1.450E-08	6.933E-23	3.131E-02	1.404E-08	3.543E-06	3.560E-01
3.000E+04	4.879E-01	3.396E-22	5.526E-16	8.045E-09	1.943E-23	2.594E-02	7.827E-09	2.649E-06	3.581E-01
3.100E+04	4.920E-01	1.047E-22	2.262E-16	4.544E-09	5.679E-24	2.177E-02	4.481E-09	1.996E-06	3.592E-01
3.200E+04	4.961E-01	3.373E-23	9.534E-17	2.603E-09	1.717E-24	1.850E-02	2.631E-09	1.521E-06	3.594E-01
3.300E+04	5.003E-01	1.128E-23	4.118E-17	1.506E-09	5.324E-25	1.589E-02	1.583E-09	1.172E-06	3.588E-01
3.400E+04	5.049E-01	3.692E-24	1.810E-17	8.771E-10	1.679E-25	1.379E-02	9.736E-10	9.107E-07	3.575E-01
3.500E+04	5.097E-01	1.380E-24	8.108E-18	5.122E-10	5.351E-26	1.208E-02	6.118E-10	7.144E-07	3.556E-01
3.600E+04	5.147E-01	5.006E-25	3.662E-18	2.992E-10	1.714E-26	1.046E-02	3.921E-10	5.654E-07	3.533E-01
3.700E+04	5.196E-01	1.854E-25	1.683E-18	1.747E-10	5.503E-27	9.481E-03	2.560E-10	4.514E-07	3.508E-01
3.800E+04	5.244E-01	6.994E-26	7.781E-19	1.020E-10	1.771E-27	8.487E-03	1.701E-10	3.635E-07	3.482E-01
3.900E+04	5.295E-01	2.688E-26	3.632E-19	5.952E-11	5.720E-28	7.641E-03	1.148E-10	2.952E-07	3.457E-01
4.000E+04	5.350E-01	1.053E-26	1.714E-19	3.479E-11	1.879E-28	6.918E-03	7.876E-11	2.417E-07	3.433E-01
4.100E+04	5.366E-01	4.206E-27	8.184E-20	2.041E-11	6.100E-29	6.294E-03	5.480E-11	1.995E-07	3.413E-01
4.200E+04	5.398E-01	1.715E-27	3.960E-20	1.203E-11	2.027E-29	5.751E-03	3.886E-11	1.668E-07	3.394E-01
4.300E+04	5.425E-01	7.139E-28	1.943E-20	7.142E-12	6.843E-30	5.278E-03	2.762E-11	1.391E-07	3.378E-01
4.400E+04	5.449E-01	3.036E-28	9.680E-21	4.271E-12	2.351E-30	4.861E-03	1.998E-11	1.173E-07	3.364E-01
4.500E+04	5.471E-01	1.318E-28	4.895E-21	2.576E-12	8.232E-31	4.492E-03	1.462E-11	9.958E-08	3.352E-01
4.600E+04	5.490E-01	5.845E-29	2.513E-21	1.567E-12	2.938E-31	4.165E-03	1.081E-11	8.502E-08	3.341E-01
4.700E+04	5.508E-01	2.643E-29	1.309E-21	9.617E-13	0.	3.872E-03	8.079E-12	7.297E-08	3.330E-01
4.800E+04	5.526E-01	1.218E-29	6.911E-22	5.950E-13	0.	3.609E-03	6.089E-12	6.292E-08	3.319E-01
4.900E+04	5.544E-01	5.707E-30	3.496E-22	3.708E-13	0.	3.372E-03	4.833E-12	5.450E-08	3.308E-01
5.000E+04	5.563E-01	2.717E-30	1.999E-22	2.326E-13	0.	3.157E-03	3.555E-12	4.740E-08	3.298E-01

P/P0 = 2.60E+01

T	E-	NH3	NH2	NH	N2H2	N	H2	H2+	H+
5.000E+02	0.	5.452E-01	1.583E-20	7.350E-15	1.494E-28	8.033E-22	3.411E-01	1.308E-18	1.223E-21
6.000E+02	0.	2.063E-01	2.749E-17	7.149E-29	1.909E-24	7.034E-18	5.953E-01	1.015E-18	3.888E-21
7.000E+02	0.	6.171E-02	3.958E-15	1.074E-24	9.947E-22	4.176E-15	7.037E-01	8.821E-19	1.053E-20
8.000E+02	0.	2.051E-02	1.417E-13	1.341E-21	9.076E-20	4.883E-13	7.344E-01	6.299E-19	2.441E-20
9.000E+02	0.	8.204E-03	2.211E-12	3.361E-19	2.888E-18	1.981E-11	7.438E-01	7.929E-19	4.779E-20
1.000E+03	0.	3.058E-03	1.948E-11	2.774E-17	4.542E-17	3.851E-10	7.471E-01	7.533E-19	8.111E-20
1.100E+03	0.	2.063E-03	1.156E-10	1.022E-15	4.317E-16	4.389E-09	7.489E-01	7.081E-19	1.229E-19
1.200E+03	0.	1.220E-03	5.062E-10	2.062E-14	2.622E-15	3.350E-08	7.491E-01	6.586E-19	1.704E-19
1.300E+03	0.	7.814E-04	1.763E-09	2.635E-13	1.386E-14	1.878E-07	7.494E-01	6.075E-19	2.209E-19
1.400E+03	0.	5.335E-04	5.130E-09	2.332E-12	5.436E-14	8.254E-07	7.496E-01	5.571E-19	2.712E-19
1.500E+03	0.	3.836E-04	1.294E-08	1.275E-11	1.783E-13	2.987E-06	7.497E-01	5.094E-19	3.193E-19
1.600E+03	5.113E-30	2.879E-04	2.936E-08	6.063E-11	5.055E-13	9.224E-06	7.498E-01	4.653E-19	3.640E-19
1.700E+03	4.781E-27	2.237E-04	5.934E-08	3.469E-10	1.272E-12	2.499E-05	7.498E-01	4.254E-19	4.047E-19
1.800E+03	2.128E-24	1.791E-04	1.119E-07	1.249E-09	2.894E-12	6.073E-05	7.498E-01	3.898E-19	4.412E-19
1.900E+03	5.056E-22	1.470E-04	1.974E-07	4.050E-09	6.039E-12	1.346E-04	7.498E-01	3.585E-19	4.739E-19
2.000E+03	6.566E-20	1.232E-04	3.290E-07	1.151E-08	1.179E-11	2.757E-04	7.497E-01	3.358E-19	5.111E-19
2.100E+03	1.910E-18	1.051E-04	5.222E-07	2.962E-08	2.159E-11	5.282E-04	7.495E-01	3.148E-19	1.715E-18
2.200E+03	1.722E-17	9.111E-05	7.947E-07	6.995E-08	3.747E-11	9.544E-04	7.491E-01	2.958E-19	1.172E-17
2.300E+03	1.136E-16	7.999E-05	1.166E-06	1.533E-07	6.207E-11	1.639E-03	7.485E-01	2.804E-19	7.702E-17
2.400E+03	6.324E-16	7.102E-05	1.655E-06	3.145E-07	9.885E-11	2.892E-03	7.476E-01	1.860E-18	4.406E-16
2.500E+03	3.071E-15	6.364E-05	2.283E-06	6.090E-07	1.511E-10	4.251E-03	7.462E-01	8.491E-18	2.159E-15
2.600E+03	1.324E-14	5.748E-05	3.069E-06	1.120E-06	2.241E-10	6.881E-03	7.443E-01	5.455E-15	9.693E-15
2.700E+03	5.129E-14	5.225E-05	4.030E-06	1.980E-06	3.225E-10	9.376E-03	7.416E-01	1.268E-14	3.886E-14
2.800E+03	1.888E-13	4.773E-05	5.181E-06	3.319E-06	4.517E-10	1.379E-02	7.379E-01	4.245E-14	1.380E-13
2.900E+03	5.849E-13	4.376E-05	6.531E-06	5.391E-06	6.170E-10	1.926E-02	7.331E-01	1.308E-13	4.548E-13
3.000E+03	1.752E-12	4.022E-05	8.083E-06	8.445E-06	8.234E-10	2.834E-02	7.269E-01	3.738E-13	1.385E-12
3.100E+03	4.893E-12	3.701E-05	9.833E-06	1.249E-05	1.075E-09	3.527E-02	7.191E-01	9.979E-13	3.928E-12
3.200E+03	1.263E-11	3.405E-05	1.177E-05	1.907E-05	1.375E-09	4.631E-02	7.094E-01	2.503E-12	1.064E-11
3.300E+03	3.172E-11	3.130E-05	1.387E-05	2.747E-05	1.724E-09	5.970E-02	6.977E-01	5.910E-12	2.618E-11

TABLE II. - Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
7.727E-06	2.048E-01	2.230E-02	1.973E-05	4.134E-04	2.747E-06	9.002E-16	0.	0.	9.000E+03
8.907E-06	2.176E-01	1.772E-02	2.080E-05	5.416E-04	3.364E-06	2.280E-15	0.	0.	9.200E+03
1.020E-05	2.238E-01	1.402E-02	2.158E-05	6.972E-04	4.051E-06	5.524E-15	0.	0.	9.400E+03
1.160E-05	2.286E-01	1.106E-02	2.212E-05	8.837E-04	4.809E-06	1.284E-14	0.	0.	9.600E+03
1.313E-05	2.323E-01	8.727E-03	2.245E-05	1.105E-03	5.635E-06	2.876E-14	0.	0.	9.800E+03
1.478E-05	2.351E-01	6.895E-03	2.260E-05	1.365E-03	6.531E-06	6.220E-14	0.	0.	1.000E+04
2.459E-05	2.398E-01	2.234E-03	2.183E-05	3.409E-03	1.199E-05	1.902E-12	0.	0.	1.100E+04
3.662E-05	2.359E-01	8.060E-04	1.989E-05	7.152E-03	1.880E-05	3.270E-11	0.	0.	1.200E+04
4.953E-05	2.264E-01	3.191E-04	1.749E-05	1.320E-02	2.611E-05	3.640E-10	3.370E-25	0.	1.300E+04
6.138E-05	2.117E-01	1.344E-04	1.481E-05	2.196E-02	3.267E-05	2.881E-09	4.012E-23	0.	1.400E+04
7.034E-05	1.920E-01	5.842E-05	1.198E-05	3.345E-02	3.709E-05	1.735E-08	2.594E-21	0.	1.500E+04
7.372E-05	1.680E-01	2.555E-05	4.189E-06	4.712E-02	3.833E-05	8.350E-08	1.025E-19	0.	1.600E+04
7.167E-05	1.415E-01	1.132E-05	6.637E-06	6.190E-02	3.618E-05	3.339E-07	2.706E-18	0.	1.700E+04
6.451E-05	1.146E-01	4.631E-06	4.508E-06	7.641E-02	3.133E-05	1.143E-06	5.127E-17	0.	1.800E+04
5.399E-05	8.948E-02	1.889E-06	2.891E-06	8.933E-02	2.508E-05	3.476E-06	7.365E-16	0.	1.900E+04
4.235E-05	6.784E-02	7.514E-07	1.789E-06	9.985E-02	1.880E-05	9.265E-06	8.384E-15	0.	2.000E+04
3.149E-05	5.039E-02	2.953E-07	1.048E-06	1.078E-01	1.340E-05	2.281E-05	7.828E-14	0.	2.100E+04
2.249E-05	3.706E-02	1.163E-07	6.106E-07	1.133E-01	9.225E-06	5.203E-05	6.159E-13	0.	2.200E+04
1.565E-05	2.724E-02	4.662E-08	3.549E-07	1.170E-01	6.243E-06	1.112E-04	4.169E-12	0.	2.300E+04
1.074E-05	2.315E-02	1.923E-08	2.081E-07	1.194E-01	4.198E-06	2.248E-04	2.467E-11	0.	2.400E+04
7.352E-06	1.507E-02	8.186E-09	1.238E-07	1.209E-01	2.832E-06	4.320E-04	1.273E-10	0.	2.500E+04
5.053E-06	1.142E-02	3.620E-09	7.533E-08	1.216E-01	1.928E-06	7.937E-04	6.069E-10	0.	2.600E+04
3.508E-06	8.779E-03	1.660E-09	4.630E-08	1.217E-01	1.328E-06	1.398E-03	2.572E-09	0.	2.700E+04
2.469E-06	6.874E-03	7.971E-10	2.904E-08	1.211E-01	9.260E-07	2.368E-03	9.913E-09	0.	2.800E+04
1.788E-06	5.382E-03	3.842E-10	1.846E-08	1.199E-01	6.535E-07	3.862E-03	3.498E-08	0.	2.900E+04
1.285E-06	4.273E-03	1.919E-10	1.182E-08	1.177E-01	4.667E-07	6.066E-03	1.135E-07	0.	3.000E+04
9.532E-07	3.410E-03	9.740E-11	7.591E-09	1.144E-01	3.358E-07	9.181E-03	3.399E-07	0.	3.100E+04
7.205E-07	2.725E-03	4.949E-11	4.853E-09	1.099E-01	2.428E-07	1.338E-02	9.423E-07	0.	3.200E+04
5.552E-07	2.174E-03	2.559E-11	3.070E-09	1.040E-01	1.759E-07	1.876E-02	2.423E-06	0.	3.300E+04
4.359E-07	1.724E-03	1.339E-11	1.910E-09	9.676E-02	1.272E-07	2.529E-02	5.797E-06	0.	3.400E+04
3.486E-07	1.350E-03	6.548E-12	1.164E-09	8.840E-02	9.157E-08	3.281E-02	1.293E-05	1.378E-12	3.400E+04
2.835E-07	1.036E-03	3.276E-12	6.928E-10	7.925E-02	6.550E-08	4.100E-02	2.703E-05	7.002E-12	3.400E+04
2.343E-07	8.137E-04	1.634E-12	4.326E-10	6.976E-02	4.649E-08	4.944E-02	5.314E-05	2.808E-11	3.400E+04
1.965E-07	6.204E-04	7.730E-13	2.288E-10	6.039E-02	3.274E-08	5.778E-02	9.883E-05	1.027E-10	3.800E+04
1.670E-07	4.647E-04	3.674E-13	1.274E-10	5.153E-02	2.290E-08	6.560E-02	1.746E-04	3.457E-10	3.900E+04
1.437E-07	3.515E-04	1.734E-13	7.008E-11	4.345E-02	1.593E-08	7.265E-02	2.958E-04	1.179E-05	4.000E+04
1.249E-07	2.623E-04	8.131E-14	3.812E-11	3.631E-02	1.105E-08	7.479E-02	4.813E-04	3.148E-09	4.100E+04
1.047E-07	1.951E-04	3.745E-14	2.062E-11	3.015E-02	7.648E-09	8.196E-02	7.563E-04	8.641E-09	4.200E+04
9.719E-08	1.449E-04	1.784E-14	1.113E-11	2.493E-02	5.297E-09	8.814E-02	1.153E-03	2.245E-08	4.300E+04
8.670E-08	1.076E-04	8.443E-15	6.018E-12	2.056E-02	3.676E-09	9.139E-02	1.709E-03	5.545E-08	4.400E+04
7.805E-08	8.040E-05	4.015E-15	2.264E-12	1.694E-02	2.558E-09	9.375E-02	2.471E-03	1.308E-07	4.500E+04
7.364E-08	5.969E-05	1.924E-15	1.779E-12	1.395E-02	1.787E-09	9.525E-02	3.493E-03	2.954E-07	4.600E+04
6.429E-08	4.459E-05	9.309E-16	9.745E-13	1.148E-02	1.253E-09	9.597E-02	4.833E-03	6.408E-07	4.700E+04
5.881E-08	3.337E-05	4.542E-16	5.364E-13	9.455E-03	8.820E-10	9.580E-02	6.550E-03	1.338E-06	4.800E+04
5.404E-08	2.502E-05	2.232E-16	2.964E-13	7.782E-03	6.230E-10	9.448E-02	8.702E-03	2.691E-06	4.900E+04
4.986E-08	1.878E-05	1.104E-16	1.642E-13	6.399E-03	4.413E-10	9.316E-02	1.134E-02	5.224E-06	5.000E+04

P/PO = 2.60E+01

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.137E-01	6.292E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.984E-01	8.736E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.348E-01	1.193E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.760E-24	2.445E-01	1.478E-20	0.	0.	0.	0.	0.	8.000E+02
0.	2.105E-26	2.479E-01	1.790E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.911E-23	2.490E-01	2.047E-20	0.	0.	0.	0.	0.	1.000E+03
0.	3.743E-21	2.495E-01	2.232E-20	0.	0.	0.	0.	0.	1.100E+03
0.	4.129E-19	2.497E-01	2.341E-20	1.081E-13	0.	0.	0.	0.	1.200E+03
0.	1.639E-17	2.498E-01	2.384E-20	1.994E-12	0.	0.	0.	0.	1.300E+03
0.	3.855E-16	2.499E-01	2.373E-20	2.343E-11	0.	0.	0.	0.	1.400E+03
0.	5.462E-15	2.499E-01	2.325E-20	2.014E-10	0.	0.	0.	0.	1.500E+03
0.	6.860E-14	2.499E-01	2.252E-20	1.248E-09	0.	0.	0.	0.	1.600E+03
0.	5.450E-13	2.499E-01	2.165E-20	6.554E-09	0.	0.	0.	0.	1.700E+03
2.241E-27	3.564E-12	2.499E-01	2.071E-20	2.760E-08	0.	0.	0.	0.	1.800E+03
8.169E-25	1.435E-11	2.499E-01	1.978E-20	9.933E-08	0.	0.	0.	0.	1.900E+03
1.517E-22	6.032E-11	2.499E-01	2.029E-20	3.365E-07	0.	0.	0.	0.	2.000E+03
6.107E-21	3.491E-10	2.499E-01	5.834E-20	2.853E-06	1.203E-08	0.	0.	0.	2.100E+03
7.344E-20	1.219E-09	2.499E-01	3.650E-19	4.771E-05	3.924E-07	0.	0.	0.	2.200E+03
8.272E-19	3.844E-09	2.498E-01	2.210E-18	7.091E-04	6.760E-06	0.	0.	0.	2.300E+03
4.408E-18	1.099E-08	2.496E-01	1.167E-17	8.564E-03	9.975E-05	0.	0.	0.	2.400E+03
2.642E-17	2.854E-08	2.495E-01	5.456E-17	8.505E-02	1.183E-03	0.	0.	0.	2.500E+03
1.377E-16	6.951E-08	2.492E-01	2.262E-16	7.095E-01	1.158E-02	0.	0.	0.	2.600E+03
6.341E-16	1.585E-07	2.488E-01	8.419E-16	5.066E-00	9.564E-01	0.	0.	0.	2.700E+03
2.614E-15	3.448E-07	2.483E-01	2.879E-15	3.149E-19	6.782E-21	0.	0.	0.	2.800E+03
9.748E-15	6.450E-07	2.476E-01	9.025E-15	1.724E-18	4.194E-20	0.	0.	0.	2.900E+03
3.322E-14	1.351E-06	2.467E-01	2.625E-14	8.479E-14	2.293E-19	0.	0.	0.	3.000E+03
1.343E-13	2.517E-06	2.456E-01	7.137E-14	3.760E-17	1.121E-18	0.	0.	0.	3.100E+03
3.037E-13	4.507E-06	2.442E-01	1.825E-13	1.522E-16	4.949E-18	0.	0.	0.	3.200E+03
8.260E-13	7.786E-06	2.425E-01	4.413E-13	5.667E-16	1.994E-17	0.	0.	0.	3.300E+03

TABLE II. - Continued

T	E-	NH3	NF2	NF	N2O2	H	H2	H2O	H+
3.400E+03	7.440E-11	2.870E-05	1.609E-05	3.863E-05	2.122E-09	7.566E-02	6.837E-01	1.333E-11	6.216E-11
3.500E+03	1.662E-10	2.624E-05	1.840E-05	5.309E-05	2.563E-09	9.438E-02	6.674E-01	2.857E-11	1.405E-10
3.600E+03	3.547E-10	2.387E-05	2.074E-05	7.140E-05	3.041E-09	1.160E-01	6.488E-01	5.836E-11	3.033E-10
3.700E+03	7.265E-10	2.161E-05	2.305E-05	9.410E-05	3.545E-09	1.405E-01	6.270E-01	1.144E-10	6.278E-10
3.800E+03	1.432E-09	1.943E-05	2.527E-05	1.217E-04	4.062E-09	1.679E-01	6.030E-01	2.157E-10	1.250E-09
3.900E+03	2.722E-09	1.735E-05	2.731E-05	1.545E-04	4.577E-09	1.981E-01	5.765E-01	3.918E-10	2.398E-09
4.000E+03	5.005E-09	1.537E-05	2.912E-05	1.927E-04	5.072E-09	2.309E-01	5.478E-01	6.069E-10	4.400E-09
4.100E+03	8.920E-09	1.350E-05	3.063E-05	2.366E-04	5.530E-09	2.659E-01	5.171E-01	1.165E-09	4.801E-09
4.200E+03	1.544E-08	1.175E-05	3.179E-05	2.859E-04	5.934E-09	3.027E-01	4.848E-01	1.914E-09	1.396E-08
4.300E+03	2.602E-08	1.012E-05	3.257E-05	3.404E-04	6.271E-09	3.405E-01	4.514E-01	3.057E-09	2.371E-08
4.400E+03	4.273E-08	8.641E-06	3.294E-05	3.996E-04	6.529E-09	3.794E-01	4.172E-01	4.742E-09	3.921E-08
4.500E+03	6.851E-08	7.303E-06	3.291E-05	4.629E-04	6.702E-09	4.190E-01	3.828E-01	7.161E-09	4.329E-08
4.600E+03	1.074E-07	6.113E-06	3.250E-05	5.294E-04	6.789E-09	4.578E-01	3.488E-01	1.054E-08	9.943E-08
4.700E+03	1.849E-07	5.070E-06	3.174E-05	5.988E-04	6.790E-09	4.954E-01	3.155E-01	1.514E-08	1.541E-07
4.800E+03	2.881E-07	4.169E-06	3.088E-05	6.698E-04	6.714E-09	5.319E-01	2.834E-01	2.130E-08	2.330E-07
4.900E+03	3.864E-07	3.400E-06	2.937E-05	7.419E-04	6.569E-09	5.663E-01	2.533E-01	2.930E-08	3.458E-07
5.000E+03	5.320E-07	2.754E-06	2.788E-05	8.141E-04	6.368E-09	5.984E-01	2.250E-01	3.952E-08	5.097E-07
5.100E+03	7.106E-06	1.776E-06	2.457E-05	8.971E-04	6.142E-09	6.248E-01	1.750E-01	4.811E-08	1.019E-06
5.200E+03	2.028E-06	1.128E-06	2.116E-05	1.095E-03	5.228E-09	7.004E-01	1.343E-01	1.102E-07	1.940E-06
5.300E+03	3.662E-06	7.112E-07	1.792E-05	1.225E-03	4.594E-09	7.358E-01	1.022E-01	1.490E-07	3.508E-06
5.400E+03	6.311E-06	4.844E-07	1.503E-05	1.347E-03	3.990E-09	7.623E-01	7.759E-02	2.479E-07	6.061E-06
5.500E+03	1.054E-05	2.841E-07	1.252E-05	1.458E-03	3.433E-09	7.814E-01	5.894E-02	3.502E-07	1.004E-05
5.600E+03	1.696E-05	1.815E-07	1.039E-05	1.554E-03	2.932E-09	7.947E-01	4.503E-02	4.747E-07	1.610E-05
5.700E+03	2.651E-05	1.171E-07	8.409E-06	1.646E-03	2.488E-09	8.033E-01	3.462E-02	6.388E-07	2.496E-05
5.800E+03	4.035E-05	7.629E-08	7.121E-06	1.719E-03	2.097E-09	8.082E-01	2.662E-02	8.312E-07	3.760E-05
5.900E+03	5.999E-05	5.020E-08	5.882E-06	1.777E-03	1.754E-09	8.102E-01	2.094E-02	1.060E-06	5.519E-05
6.000E+03	8.728E-05	3.333E-08	4.850E-06	1.816E-03	1.455E-09	8.099E-01	1.650E-02	1.324E-06	7.906E-05
6.100E+03	1.246E-04	2.230E-08	3.990E-06	1.836E-03	1.194E-09	8.077E-01	1.310E-02	1.632E-06	1.109E-04
6.200E+03	1.746E-04	1.502E-08	3.272E-06	1.836E-03	9.689E-10	8.041E-01	1.049E-02	1.979E-06	1.524E-04
6.300E+03	2.408E-04	1.014E-08	2.675E-06	1.816E-03	7.764E-10	7.994E-01	8.471E-03	2.370E-06	2.057E-04
6.400E+03	3.271E-04	6.429E-09	2.179E-06	1.776E-03	6.139E-10	7.939E-01	6.896E-03	2.805E-06	2.732E-04
6.500E+03	4.381E-04	4.741E-09	1.749E-06	1.717E-03	4.789E-10	7.881E-01	5.661E-03	3.280E-06	3.577E-04
6.600E+03	5.790E-04	3.259E-09	1.431E-06	1.644E-03	3.687E-10	7.822E-01	4.686E-03	3.824E-06	4.622E-04
6.700E+03	7.556E-04	2.252E-09	1.155E-06	1.558E-03	2.805E-10	7.765E-01	3.911E-03	4.415E-06	5.903E-04
6.800E+03	9.745E-04	1.566E-09	9.299E-07	1.444E-03	2.111E-10	7.712E-01	3.291E-03	5.070E-06	7.400E-04
6.900E+03	1.243E-03	1.095E-09	7.484E-07	1.366E-03	1.576E-10	7.663E-01	2.794E-03	5.794E-06	9.340E-04
7.000E+03	1.588E-03	6.025E-07	1.267E-03	1.169E-10	1.169E-10	7.621E-01	2.391E-03	6.594E-06	1.159E-03
7.100E+03	1.960E-03	5.481E-10	4.657E-07	1.170E-03	8.645E-11	7.584E-01	2.060E-03	7.475E-06	1.428E-03
7.200E+03	2.424E-03	3.925E-10	3.924E-07	1.077E-03	6.385E-11	7.551E-01	1.788E-03	8.444E-06	1.745E-03
7.300E+03	2.978E-03	2.836E-10	3.181E-07	9.891E-04	4.719E-11	7.523E-01	1.562E-03	9.504E-06	2.118E-03
7.400E+03	3.624E-03	2.067E-10	2.588E-07	9.076E-04	3.497E-11	7.498E-01	1.372E-03	1.064E-05	2.553E-03
7.500E+04	4.378E-03	1.519E-10	2.113E-07	8.327E-04	2.601E-11	7.475E-01	1.211E-03	1.191E-05	3.058E-03
7.600E+04	1.017E-02	3.689E-11	8.191E-08	5.468E-04	6.393E-12	7.362E-01	6.923E-04	1.970E-05	4.697E-03
7.700E+04	2.057E-02	1.058E-11	3.487E-08	3.687E-04	1.792E-12	7.208E-01	4.250E-04	2.989E-05	1.371E-02
7.800E+04	3.725E-02	3.388E-12	1.579E-08	2.529E-04	5.520E-13	6.973E-01	2.714E-04	2.488E-05	2.458E-02
7.900E+04	6.156E-02	1.149E-12	7.353E-09	1.733E-04	1.784E-13	6.631E-01	1.761E-04	5.445E-05	4.041E-02
8.000E+04	9.410E-02	3.940E-13	3.410E-09	1.165E-04	5.781E-14	6.174E-01	1.137E-04	6.582E-05	6.180E-02
8.100E+04	1.343E-01	1.315E-13	1.534E-09	7.565E-05	1.809E-14	5.603E-01	7.194E-05	7.402E-05	8.869E-02
8.200E+04	1.804E-01	4.145E-14	6.954E-10	4.685E-05	5.300E-15	4.942E-01	4.398E-05	7.740E-05	1.202E-01
8.300E+04	2.294E-01	1.208E-14	2.622E-10	2.746E-05	1.427E-15	4.279E-01	2.574E-05	7.531E-05	1.548E-01
8.400E+04	2.778E-01	3.230E-15	9.780E-11	1.522E-05	3.511E-16	3.513E-01	1.437E-05	6.835E-05	1.907E-01
8.500E+04	3.225E-01	7.955E-16	3.417E-11	8.018E-06	7.954E-17	2.839E-01	7.658E-06	5.817E-05	2.241E-01
8.600E+04	3.611E-01	1.835E-16	1.134E-11	4.059E-06	1.693E-17	2.245E-01	3.925E-06	4.689E-05	2.545E-01
8.700E+04	3.929E-01	4.062E-17	3.644E-12	2.004E-06	3.475E-18	1.750E-01	1.958E-06	3.611E-05	2.803E-01
8.800E+04	4.178E-01	8.868E-18	1.159E-12	9.800E-07	7.107E-19	1.354E-01	9.627E-07	2.697E-05	3.012E-01
8.900E+04	4.369E-01	1.958E-18	3.716E-13	4.809E-07	1.480E-19	1.048E-01	4.729E-07	1.977E-05	3.175E-01
9.000E+04	4.513E-01	4.462E-19	1.220E-13	2.392E-07	3.202E-20	8.154E-02	2.346E-07	1.436E-05	3.299E-01
9.100E+04	4.622E-01	1.063E-19	4.142E-14	1.214E-07	7.280E-21	6.411E-02	1.184E-07	1.041E-05	3.393E-01
9.200E+04	4.704E-01	2.666E-20	1.461E-14	6.307E-08	1.750E-21	5.103E-02	6.115E-08	7.581E-06	3.462E-01
9.300E+04	4.768E-01	7.072E-21	5.370E-15	3.357E-08	4.450E-22	4.117E-02	3.239E-08	5.561E-06	3.512E-01
9.400E+04	4.820E-01	1.982E-21	2.054E-15	1.829E-08	1.195E-22	3.369E-02	1.762E-08	4.117E-06	3.548E-01
9.500E+04	4.865E-01	5.852E-22	8.161E-16	1.018E-08	3.370E-23	2.794E-02	9.842E-09	3.079E-06	3.572E-01
9.600E+04	4.907E-01	1.814E-22	3.354E-16	5.789E-09	9.915E-24	2.348E-02	5.844E-09	2.326E-06	3.585E-01
9.700E+04	4.948E-01	5.872E-23	1.420E-16	3.317E-09	3.020E-24	1.996E-02	3.319E-09	1.776E-06	3.590E-01
9.800E+04	4.990E-01	1.974E-23	6.164E-17	1.928E-09	9.445E-25	1.718E-02	1.998E-09	1.368E-06	3.588E-01
9.900E+04	5.035E-01	6.853E-24	2.724E-17	1.128E-09	3.008E-25	1.490E-02	1.231E-09	1.063E-06	3.575E-01
3.000E+04	5.083E-01	2.445E-24	1.228E-17	6.622E-10	9.890E-26	1.305E-02	7.739E-10	8.368E-07	3.558E-01
3.100E+04	5.132E-01	8.930E-25	5.597E-18	3.892E-10	3.141E-26	1.153E-02	4.944E-10	6.624E-07	3.536E-01
3.200E+04	5.181E-01	3.329E-25	2.580E-18	2.287E-10	1.021E-26	1.025E-02	3.243E-10	5.293E-07	3.511E-01
3.300E+04	5.230E-01	1.264E-25	1.201E-18	1.343E-10	3.327E-27	9.179E-03	2.159E-10	4.284E-07	3.486E-01
3.400E+04	5.275E-01	4.891E-24	5.639E-19	7.885E-11	1.068E-27	8.264E-03	1.456E-10	3.463E-07	3.461E-01
3.500E+04	5.317E-01	1.927E-24	2.474E-19	4.636E-11	3.755E-28	7.483E-03	9.880E-11	2.837E-07	3.438E-01
3.600E+04	5.354E-01	7.741E-25	1.285E-19	2.733E-11	1.189E-28	6.810E-03	6.952E-11	2.342E-07	3.418E-01
3.700E+04	5.387E-01	3.171E-25	6.244E-20	1.619E-11	3.975E-29	6.224E-03	4.905E-11	1.864E-07	3.398E-01
3.800E+04	5.415E-01	1.324E-25	3.078E-20	9.848E-12	1.353E-29	5.712E-03	3.505E-11	1.432E-07	3.381E-01
3.900E+04	5.442E-01	5.859E-26	1.539E-20	5.791E-12	4.681E-30	5.262E-03	2.546E-11	1.377E-07	3.367E-01
4.000E+04	5.467E-01	2.466E-26	7.808E-21	3.504E-12	1.650E-30	4.883E-03	1.854E-11	1.169E-07	3.358E-01
4.100E+04	5.483E-01	1.397E-26	4.200E-21	2.138E-12	5.924E-31	4.509E-03	1.372E-11	9.377E-08	3.348E-01
4.200E+04	5.501E-01	4.974E-26	2.100E-21	1.316E-12	0.	4.192E-03	1.029E-11	8.563E-08	3.332E-01
4.300E+04	5.519E-01	2.298E-26	1.112E-21	8.141E-13	0.	3.907E-03	7.733E-12	7.386E-08	3.321E-01
4.400E+04	5.537E-01	1.080E-26	5.943E-22	5.101E-13	0.	3.651E-03	5.884E-12	6.398E-08	3.310E-01
4.500E+04	5.556E-01	5.159E-26	3.235E-22	3.209E-13	0.	3.418E-03	4.519E-12	5.565E-08	3.298E-01

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.109E-12	1.302E-05	2.405E-01	1.014E-12	1.956E-15	7.376E-17	0.	0.	0.	3.400E+03
5.042E-12	2.112E-05	2.381E-01	2.225E-12	6.300E-15	2.525E-16	0.	0.	0.	3.500E+03
1.160E-11	3.332E-05	2.354E-01	4.675E-12	1.904E-14	8.044E-16	0.	0.	0.	3.600E+03
2.518E-11	5.125E-05	2.323E-01	9.444E-12	5.430E-14	2.399E-15	0.	0.	0.	3.700E+03
5.217E-11	7.698E-05	2.289E-01	1.840E-11	1.468E-13	6.730E-15	0.	0.	0.	3.800E+03
1.034E-10	1.131E-04	2.251E-01	3.467E-11	3.776E-13	1.784E-14	0.	0.	0.	3.900E+03
1.968E-10	1.629E-04	2.209E-01	6.334E-11	9.282E-13	4.486E-14	0.	0.	0.	4.000E+03
3.672E-10	2.362E-04	2.165E-01	1.125E-10	2.188E-12	1.374E-13	0.	0.	0.	4.100E+03
6.357E-10	3.196E-04	2.118E-01	1.945E-10	4.960E-12	2.456E-13	0.	0.	0.	4.200E+03
1.084E-09	4.366E-04	2.069E-01	3.283E-10	1.085E-11	5.383E-13	0.	0.	0.	4.300E+03
1.784E-09	5.875E-04	2.019E-01	5.419E-10	2.295E-11	1.133E-12	0.	0.	0.	4.400E+03
2.863E-09	7.796E-04	1.964E-01	8.764E-10	4.706E-11	2.300E-12	0.	0.	0.	4.500E+03
4.451E-09	1.021E-03	1.914E-01	1.391E-09	9.378E-11	4.506E-12	0.	0.	0.	4.600E+03
6.744E-09	1.322E-03	1.869E-01	2.169E-09	1.819E-10	8.547E-12	0.	0.	0.	4.700E+03
9.929E-09	1.692E-03	1.821E-01	3.328E-09	3.443E-10	1.573E-11	0.	0.	0.	4.800E+03
1.429E-08	2.144E-03	1.775E-01	5.032E-09	6.367E-10	2.828E-11	0.	0.	0.	4.900E+03
2.012E-08	2.672E-03	1.731E-01	7.506E-09	1.152E-09	4.924E-11	0.	0.	0.	5.000E+03
3.752E-08	4.133E-03	1.651E-01	1.608E-08	3.548E-09	1.398E-10	0.	0.	0.	5.200E+03
6.515E-08	6.155E-03	1.546E-01	3.291E-08	1.015E-08	3.637E-10	0.	0.	0.	5.400E+03
1.068E-07	8.914E-03	1.518E-01	6.498E-08	2.716E-08	8.774E-10	0.	0.	0.	5.600E+03
1.658E-07	1.260E-02	1.462E-01	1.217E-07	6.931E-08	1.983E-09	0.	0.	0.	5.800E+03
2.472E-07	1.739E-02	1.407E-01	2.205E-07	1.621E-07	4.221E-09	9.760E-26	0.	0.	6.000E+03
3.599E-07	2.349E-02	1.352E-01	3.845E-07	3.644E-07	8.513E-09	9.362E-25	0.	0.	6.200E+03
4.971E-07	3.193E-02	1.294E-01	6.454E-07	7.781E-07	1.635E-08	7.809E-24	0.	0.	6.400E+03
6.766E-07	4.317E-02	1.230E-01	1.043E-06	1.583E-06	2.999E-08	5.722E-23	0.	0.	6.600E+03
9.003E-07	5.794E-02	1.160E-01	1.622E-06	3.077E-06	5.276E-08	3.718E-22	0.	0.	6.800E+03
1.174E-06	7.690E-02	1.082E-01	2.434E-06	5.723E-06	8.930E-08	2.160E-21	0.	0.	7.000E+03
1.505E-06	1.035E-01	9.971E-02	3.514E-06	1.021E-05	1.853E-07	1.130E-20	0.	0.	7.200E+03
1.899E-06	1.403E-01	9.362E-02	4.839E-06	1.751E-05	2.283E-07	5.362E-20	0.	0.	7.400E+03
2.362E-06	1.894E-01	8.100E-02	6.396E-06	2.891E-05	3.464E-07	3.322E-19	0.	0.	7.600E+03
2.902E-06	2.524E-01	7.137E-02	8.475E-06	4.603E-05	5.395E-07	9.735E-19	0.	0.	7.800E+03
3.519E-06	3.319E-01	6.173E-02	1.057E-05	7.081E-05	7.257E-07	3.390E-18	0.	0.	8.000E+03
4.226E-06	4.378E-01	5.249E-02	1.275E-05	1.055E-04	1.003E-06	1.154E-17	0.	0.	8.200E+03
5.027E-06	5.720E-01	4.384E-02	1.489E-05	1.524E-04	1.349E-06	3.676E-17	0.	0.	8.400E+03
5.927E-06	7.400E-01	3.615E-02	1.688E-05	2.142E-04	1.766E-06	1.097E-16	0.	0.	8.600E+03
6.931E-06	9.476E-01	2.936E-02	1.863E-05	2.935E-04	2.258E-06	3.087E-16	0.	0.	8.800E+03
8.046E-06	1.207E-01	2.363E-02	2.010E-05	3.931E-04	2.825E-06	8.230E-16	0.	0.	9.000E+03
9.274E-06	1.564E-01	1.845E-02	2.127E-05	5.160E-04	3.468E-06	2.089E-15	0.	0.	9.200E+03
1.062E-05	2.021E-01	1.447E-02	2.215E-05	6.653E-04	4.184E-06	5.067E-15	0.	0.	9.400E+03
1.206E-05	2.573E-01	1.149E-02	2.277E-05	8.444E-04	4.974E-06	1.179E-14	0.	0.	9.600E+03
1.367E-05	3.313E-01	9.308E-03	2.316E-05	1.057E-03	5.837E-06	2.644E-14	0.	0.	9.800E+03
1.537E-05	4.343E-01	7.416E-03	2.376E-05	1.307E-03	6.772E-06	5.723E-14	0.	0.	1.000E+04
1.726E-05	5.797E-01	5.816E-03	2.429E-05	1.627E-03	7.848E-06	1.254E-13	0.	0.	1.100E+04
1.934E-05	7.702E-01	4.798E-03	2.475E-05	2.075E-03	9.161E-06	3.018E-13	0.	0.	1.200E+04
2.161E-05	1.030E-01	3.481E-03	1.830E-05	1.271E-02	2.731E-05	3.361E-10	2.986E-25	0.	1.300E+04
2.408E-05	1.337E-01	1.674E-04	1.557E-05	2.118E-02	3.431E-05	2.662E-09	3.552E-23	0.	1.400E+04
2.676E-05	1.793E-01	6.459E-05	1.267E-05	3.233E-02	3.916E-05	1.604E-08	2.294E-21	0.	1.500E+04
2.966E-05	2.406E-01	2.854E-05	9.797E-06	4.588E-02	4.077E-05	7.72E-08	9.046E-20	0.	1.600E+04
3.278E-05	3.196E-01	1.247E-05	7.147E-06	6.022E-02	3.883E-05	3.092E-07	2.386E-18	0.	1.700E+04
3.614E-05	4.180E-01	5.317E-06	4.911E-06	7.464E-02	3.198E-05	1.060E-06	4.510E-17	0.	1.800E+04
3.974E-05	5.485E-01	2.233E-06	3.189E-06	8.766E-02	2.752E-05	3.188E-06	6.462E-16	0.	1.900E+04
4.358E-05	7.190E-01	4.906E-07	1.975E-06	9.840E-02	2.087E-05	8.602E-06	7.334E-15	0.	2.000E+04
4.766E-05	9.310E-01	3.551E-07	1.182E-06	1.066E-01	1.503E-05	2.118E-05	6.825E-14	0.	2.100E+04
5.208E-05	1.230E-01	1.417E-07	6.459E-07	1.124E-01	1.046E-05	4.831E-05	5.352E-13	0.	2.200E+04
5.684E-05	1.633E-01	5.736E-08	4.078E-07	1.164E-01	7.129E-06	1.332E-04	3.611E-12	0.	2.300E+04
6.194E-05	2.156E-01	2.382E-08	2.402E-07	1.190E-01	4.824E-06	2.085E-04	2.131E-11	0.	2.400E+04
6.738E-05	2.817E-01	1.022E-09	1.436E-07	1.206E-01	3.270E-06	4.006E-04	1.115E-10	0.	2.500E+04
7.316E-05	3.629E-01	4.540E-09	6.733E-08	1.214E-01	2.234E-06	7.357E-04	5.221E-10	0.	2.600E+04
7.938E-05	4.684E-01	2.093E-09	3.405E-08	1.216E-01	1.543E-06	1.296E-03	2.210E-09	0.	2.700E+04
8.604E-05	6.000E-01	9.945E-10	3.470E-08	1.212E-01	1.079E-06	2.196E-03	8.518E-09	0.	2.800E+04
9.316E-05	7.663E-01	4.371E-10	2.167E-08	1.201E-01	7.640E-07	3.583E-03	3.009E-08	0.	2.900E+04
1.007E-04	9.662E-01	2.447E-10	1.393E-08	1.181E-01	5.465E-07	5.638E-03	9.762E-08	0.	3.000E+04
1.100E-04	1.200E-01	1.246E-10	8.908E-09	1.151E-01	3.942E-07	8.547E-03	2.929E-07	0.	3.100E+04
1.206E-04	1.571E-01	6.421E-11	5.781E-09	1.178E-01	2.854E-07	1.249E-02	8.142E-07	0.	3.200E+04
1.326E-04	2.078E-01	3.318E-11	3.684E-09	1.053E-01	2.079E-07	1.758E-02	2.102E-06	0.	3.300E+04
1.460E-04	2.759E-01	1.704E-11	2.313E-09	9.481E-02	1.510E-07	2.381E-02	5.051E-06	0.	3.400E+04
1.608E-04	3.669E-01	8.705E-12	1.424E-09	9.077E-02	1.093E-07	3.105E-02	1.133E-05	1.280E-12	3.500E+04
1.770E-04	4.869E-01	4.378E-12	8.570E-10	8.148E-02	7.858E-08	3.902E-02	2.382E-05	5.712E-12	3.600E+04
1.946E-04	6.419E-01	2.168E-12	5.039E-10	7.215E-02	5.611E-08	4.736E-02	4.710E-05	2.304E-11	3.700E+04
2.146E-04	8.473E-01	1.058E-12	2.898E-10	6.283E-02	3.978E-08	5.564E-02	8.810E-05	8.477E-11	3.800E+04
2.370E-04	1.107E-01	5.092E-13	1.634E-10	5.392E-02	2.797E-08	6.352E-02	1.567E-04	2.867E-10	3.900E+04
2.618E-04	1.440E-01	2.427E-13	9.761E-11	4.571E-02	1.987E-08	7.071E-02	2.664E-04	8.992E-10	4.000E+04
2.890E-04	1.861E-01	1.153E-13	4.945E-11	3.838E-02	1.364E-08	7.704E-02	4.353E-04	2.634E-09	4.100E+04
3.186E-04	2.380E-01	5.420E-14	2.726E-11	3.200E-02	9.484E-09	8.242E-02	6.867E-04	7.257E-09	4.200E+04
3.508E-04	3.030E-01	2.568E-14	1.440E-11	2.656E-02	6.594E-09	8.684E-02	1.050E-03	1.108E-07	4.300E+04
3.856E-04	3.829E-01	1.223E-14	8.057E-12	2.196E-02	4.596E-09	4.033E-02	1.562E-03	1.885E-08	4.400E+04
4.230E-04	4.880E-01	5.811E-15	4.346E-12	1.818E-02	3.209E-09	9.292E-02	2.263E-03	1.108E-07	4.500E+04
4.632E-04	6.243E-01	2.822E-15	2.410E-12	1.503E-02	2.249E-09	9.466E-02	3.209E-03	2.508E-07	4.600E+04
5.062E-04	8.000E-01	1.372E-15	1.327E-12	1.238E-02	1.581E-09	9.559E-02	4.451E-03	4.444E-07	4.700E+04
5.528E-04	1.033E-01	6.724E-16	7.345E-13	1.028E-02	1.111E-09	9.571E-02	6.048E-03	1.141E-06	4.800E+04
6.031E-04	1.344E-01	3.326E-16	4.081E-13	8.434E-03	7.904E-10	9.504E-02	8.077E-03	2.303E-06	4.900E+04
6.572E-04	1.738E-01	1.653E-16	2.274E-13	6.955E-03	5.815E-10	9.359E-02	1.053E-02	4.464E-06	5.000E+04

TABLE II. - Continued

P/PO = 2.80E+01

T	E-	NH3	NH2	NH	N2H2	H	42	M2+	H+
5.000E+02	0.	5.570E-01	1.579E-20	7.159E-35	1.527E-28	7.639E-22	3.322E-01	1.318E-18	1.204E-21
6.000E+02	0.	2.165E-01	2.818E-17	7.057E-29	2.003E-24	6.734E-18	5.876E-01	1.023E-18	3.803E-21
7.000E+02	0.	6.587E-02	4.080E-15	1.069E-24	1.064E-21	4.015E-15	7.006E-01	6.859E-19	1.021E-20
8.000E+02	0.	2.202E-02	1.467E-13	1.339E-21	9.744E-20	4.702E-13	7.335E-01	8.319E-19	2.360E-20
9.000E+02	0.	8.824E-03	2.292E-12	3.359E-19	3.107E-18	1.908E-11	7.434E-01	7.950E-19	4.619E-20
1.000E+03	0.	4.152E-03	2.023E-11	2.773E-17	4.888E-17	3.711E-10	7.464E-01	7.561E-19	7.846E-20
1.100E+03	0.	2.221E-03	1.199E-10	1.022E-15	4.647E-16	4.229E-09	7.483E-01	7.119E-19	1.191E-19
1.200E+03	0.	1.314E-03	5.252E-10	2.062E-14	3.039E-15	3.228E-08	7.490E-01	6.635E-19	1.656E-19
1.300E+03	0.	8.414E-04	1.829E-09	2.635E-13	1.492E-14	1.809E-07	7.494E-01	6.133E-19	1.496E-19
1.400E+03	0.	5.745E-04	5.323E-09	2.332E-12	5.854E-14	7.954E-07	7.496E-01	5.637E-19	2.644E-19
1.500E+03	2.040E-33	4.131E-04	1.343E-08	1.543E-11	1.920E-13	2.878E-06	7.497E-01	5.164E-19	3.119E-19
1.600E+03	4.674E-30	3.100E-04	3.016E-08	8.063E-11	5.444E-13	8.888E-06	7.498E-01	4.727E-19	3.563E-19
1.700E+03	4.343E-27	2.409E-04	6.158E-08	3.449E-10	1.369E-12	2.409E-05	7.498E-01	4.329E-19	3.968E-19
1.800E+03	1.939E-24	1.929E-04	1.161E-07	1.269E-09	3.117E-12	5.852E-05	7.498E-01	3.973E-19	4.333E-19
1.900E+03	4.600E-22	1.583E-04	2.049E-07	4.050E-09	6.503E-12	1.297E-04	7.498E-01	3.658E-19	4.661E-19
2.000E+03	5.984E-20	1.327E-04	3.414E-07	1.151E-08	1.270E-11	2.657E-04	7.497E-01	3.414E-19	5.296E-19
2.100E+03	1.803E-18	1.132E-04	5.419E-07	2.962E-08	2.325E-11	5.090E-04	7.495E-01	9.776E-19	1.625E-18
2.200E+03	1.638E-17	9.812E-05	6.247E-07	6.995E-08	4.056E-11	9.197E-04	7.491E-01	5.915E-19	1.103E-17
2.300E+03	1.081E-16	8.615E-05	1.210E-06	1.533E-07	6.685E-11	1.580E-03	7.486E-01	3.497E-17	7.243E-17
2.400E+03	6.016E-16	7.649E-05	1.718E-06	3.145E-07	1.063E-10	2.595E-03	7.477E-01	1.815E-16	4.139E-16
2.500E+03	2.921E-15	6.898E-05	2.369E-06	6.091E-07	1.628E-10	4.097E-03	7.464E-01	8.292E-16	2.065E-15
2.600E+03	1.258E-14	6.193E-05	3.186E-06	1.120E-06	2.414E-10	6.246E-03	7.445E-01	3.379E-15	9.124E-15
2.700E+03	4.875E-14	5.631E-05	4.184E-06	1.969E-06	3.475E-10	5.229E-03	7.419E-01	1.240E-14	3.616E-14
2.800E+03	1.718E-13	5.145E-05	5.380E-06	3.320E-06	4.868E-10	1.326E-02	7.384E-01	4.151E-14	1.300E-13
2.900E+03	5.557E-13	4.719E-05	6.784E-06	5.394E-06	6.652E-10	1.856E-02	7.337E-01	1.279E-13	4.285E-13
3.000E+03	1.664E-12	4.340E-05	8.400E-06	8.472E-06	8.882E-10	2.540E-02	7.277E-01	3.658E-13	1.305E-12
3.100E+03	4.648E-12	3.994E-05	1.022E-05	1.290E-05	1.160E-09	3.401E-02	7.202E-01	9.771E-13	3.704E-12
3.200E+03	1.218E-11	3.680E-05	1.224E-05	1.909E-05	1.485E-09	4.467E-02	7.109E-01	2.452E-12	9.850E-12
3.300E+03	3.313E-11	3.388E-05	1.444E-05	2.752E-05	1.864E-09	5.760E-02	6.995E-01	5.813E-12	2.470E-11
3.400E+03	7.059E-11	3.109E-05	1.677E-05	3.872E-05	2.276E-09	7.303E-02	6.880E-01	1.307E-11	5.847E-11
3.500E+03	1.578E-10	2.848E-05	1.920E-05	5.324E-05	2.777E-09	9.114E-02	6.702E-01	2.801E-11	1.326E-10
3.600E+03	3.370E-10	2.594E-05	2.166E-05	7.166E-05	3.299E-09	1.120E-01	6.519E-01	5.735E-11	2.865E-10
3.700E+03	6.902E-10	2.353E-05	2.411E-05	9.453E-05	3.852E-09	1.358E-01	6.311E-01	1.126E-10	5.932E-10
3.800E+03	1.360E-09	2.121E-05	2.647E-05	1.223E-04	4.423E-09	1.625E-01	6.077E-01	2.125E-10	1.181E-09
3.900E+03	2.597E-09	1.899E-05	2.886E-05	1.555E-04	4.994E-09	1.918E-01	5.820E-01	3.864E-10	2.269E-09
4.000E+03	4.758E-09	1.687E-05	3.062E-05	1.942E-04	5.547E-09	2.237E-01	5.540E-01	4.786E-10	4.212E-09
4.100E+03	8.445E-09	1.487E-05	3.228E-05	2.387E-04	6.063E-09	2.579E-01	5.241E-01	1.153E-09	7.577E-09
4.200E+03	1.470E-08	1.298E-05	3.359E-05	2.889E-04	6.525E-09	2.960E-01	4.925E-01	1.899E-09	1.323E-08
4.300E+03	2.477E-08	1.124E-05	3.451E-05	3.445E-04	6.916E-09	3.315E-01	4.594E-01	3.036E-09	2.248E-08
4.400E+03	4.070E-08	9.630E-06	3.501E-05	4.050E-04	7.224E-09	3.698E-01	4.259E-01	4.719E-09	3.722E-08
4.500E+03	6.530E-08	8.174E-06	3.509E-05	4.699E-04	7.440E-09	4.056E-01	3.920E-01	7.143E-09	6.012E-08
4.600E+03	1.024E-07	6.876E-06	3.478E-05	5.385E-04	7.581E-09	4.470E-01	3.582E-01	1.054E-08	9.491E-08
4.700E+03	1.573E-07	5.730E-06	3.404E-05	6.100E-04	7.585E-09	4.847E-01	3.251E-01	1.519E-08	1.468E-07
4.800E+03	2.364E-07	4.734E-06	3.303E-05	6.835E-04	7.529E-09	5.211E-01	2.931E-01	2.143E-08	2.220E-07
4.900E+03	3.502E-07	3.881E-06	3.173E-05	7.583E-04	7.392E-09	5.556E-01	2.626E-01	2.952E-08	3.296E-07
5.000E+03	5.084E-07	3.158E-06	3.021E-05	8.335E-04	7.188E-09	5.881E-01	2.340E-01	3.991E-08	4.808E-07
5.100E+03	1.023E-06	2.056E-06	2.678E-05	9.828E-04	6.634E-09	6.455E-01	1.832E-01	6.912E-08	9.734E-07
5.200E+03	1.945E-06	1.316E-06	2.319E-05	1.127E-03	5.967E-09	6.924E-01	1.413E-01	1.237E-07	1.458E-06
5.300E+03	3.515E-06	8.358E-07	1.974E-05	1.264E-03	5.269E-09	7.292E-01	1.081E-01	1.729E-07	3.364E-06
5.400E+03	6.082E-06	5.301E-07	1.661E-05	1.392E-03	4.591E-09	7.570E-01	8.235E-02	2.544E-07	5.818E-06
5.500E+03	1.013E-05	3.375E-07	1.388E-05	1.510E-03	3.963E-09	7.773E-01	6.281E-02	3.604E-07	9.663E-06
5.600E+03	1.631E-05	2.165E-07	1.156E-05	1.616E-03	3.395E-09	7.915E-01	4.810E-02	4.945E-07	1.548E-05
5.700E+03	2.551E-05	1.401E-07	9.597E-06	1.709E-03	2.885E-09	8.009E-01	3.704E-02	6.600E-07	2.402E-05
5.800E+03	3.883E-05	9.181E-08	7.957E-06	1.788E-03	2.442E-09	8.065E-01	2.876E-02	8.607E-07	3.621E-05
5.900E+03	5.773E-05	6.046E-08	6.587E-06	1.850E-03	2.049E-09	8.091E-01	2.249E-02	1.098E-06	5.316E-05
6.000E+03	8.401E-05	4.025E-08	5.443E-06	1.894E-03	1.704E-09	8.093E-01	1.774E-02	1.375E-06	7.622E-05
7.000E+03	1.199E-04	2.701E-08	4.688E-06	1.919E-03	1.404E-09	8.075E-01	1.410E-02	1.694E-06	1.069E-04
7.200E+03	1.681E-04	1.824E-08	3.690E-06	1.922E-03	1.144E-09	8.043E-01	1.130E-02	2.057E-06	1.470E-04
7.400E+03	2.318E-04	1.240E-08	3.024E-06	1.905E-03	9.233E-10	7.998E-01	9.133E-03	2.464E-06	1.984E-04
7.600E+03	3.149E-04	8.464E-09	2.470E-06	1.867E-03	7.311E-10	7.946E-01	7.439E-03	2.919E-06	2.618E-04
7.800E+03	4.217E-04	5.808E-09	2.010E-06	1.810E-03	5.731E-10	7.889E-01	6.109E-03	3.423E-06	3.454E-04
8.000E+03	5.573E-04	4.004E-09	1.630E-06	1.737E-03	4.434E-10	7.831E-01	5.058E-03	3.981E-06	4.463E-04
8.200E+03	7.274E-04	2.774E-09	1.319E-06	1.651E-03	3.390E-10	7.774E-01	4.222E-03	4.598E-06	5.700E-04
8.400E+03	9.382E-04	1.933E-09	1.065E-06	1.555E-03	2.564E-10	7.721E-01	3.594E-03	5.279E-06	7.204E-04
8.600E+03	1.197E-03	1.355E-09	8.587E-07	1.454E-03	1.922E-10	7.672E-01	3.016E-03	6.031E-06	9.018E-04
9.000E+03	1.510E-03	9.566E-10	6.927E-07	1.351E-03	1.432E-10	7.629E-01	2.580E-03	6.861E-06	1.119E-03
9.200E+03	1.847E-03	6.805E-10	5.593E-07	1.250E-03	1.063E-10	7.591E-01	2.223E-03	7.776E-06	1.378E-03
9.400E+03	2.337E-03	4.880E-10	4.526E-07	1.152E-03	7.874E-11	7.558E-01	1.929E-03	8.781E-06	1.684E-03
9.600E+03	2.868E-03	3.529E-10	3.673E-07	1.060E-03	5.818E-11	7.529E-01	1.684E-03	9.882E-06	2.043E-03
9.800E+03	3.492E-03	2.575E-10	2.991E-07	9.737E-04	4.334E-11	7.503E-01	1.479E-03	1.108E-05	2.443E-03
1.000E+04	4.218E-03	1.895E-10	2.444E-07	8.941E-04	3.224E-11	7.480E-01	1.304E-03	1.238E-05	2.949E-03
1.100E+04	5.064E-03	1.416E-11	9.510E-08	5.890E-04	7.989E-12	7.388E-01	7.468E-04	2.047E-05	4.650E-03
1.200E+04	1.944E-02	1.329E-11	4.061E-08	3.982E-04	2.250E-12	7.219E-01	4.590E-04	3.108E-05	1.322E-02
1.300E+04	3.595E-02	4.278E-12	1.847E-08	2.739E-04	6.907E-13	6.901E-01	2.938E-04	4.363E-05	2.370E-02
1.400E+04	5.946E-02	1.462E-12	8.652E-09	1.885E-04	2.273E-13	6.661E-01	1.913E-04	5.687E-05	3.902E-02
1.500E+04	9.102E-02	5.071E-13	4.047E-09	1.275E-04	7.457E-14	6.217E-01	1.242E-04	6.901E-05	5.974E-02
1.600E+04	1.302E-01	1.718E-13	1.862E-09	8.345E-05	2.370E-14	5.662E-01	7.912E-05	7.799E-05	8.587E-02
1.700E+04	1.753E-01	5.519E-14	7.883E-10	5.221E-05	7.088E-15	5.016E-01	4.880E-05	8.208E-05	1.186E-01
1.800E+04	2.235E-01	1.646E-14	3.250E-10	3.098E-05	1.955E-15	4.318E-01	2.887E-05	8.049E-05	1.505E-01
1.900E+04	2.716E-01	4.513E-15	1.238E-10	1.740E-05	4.940E-16	3.606E-01	1.631E-05	7.371E-05	1.855E-01
2.000E+04	3.163E-01	1.142E-15	4.406E-11	9.292E-06	1.150E-16	2.934E-01	8.807E-06	6.534E-05	2.192E-01

TABLE II. - Continued

9/PU = 2.80E+01

N	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.107E-01	6.299E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.959E-01	8.813E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.335E-01	1.158E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.694E-29	2.445E-01	1.482E-20	0.	0.	0.	0.	0.	8.000E+02
0.	4.821E-26	2.478E-01	1.794E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.605E-23	2.490E-01	2.055E-20	0.	0.	0.	0.	0.	1.000E+03
0.	5.149E-21	2.494E-01	2.244E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.978E-19	2.497E-01	2.359E-20	1.050E-33	0.	0.	0.	0.	1.200E+03
0.	1.579E-17	2.498E-01	2.437E-20	1.940E-32	0.	0.	0.	0.	1.300E+03
0.	3.714E-16	2.499E-01	2.481E-20	2.327E-31	0.	0.	0.	0.	1.400E+03
0.	5.745E-15	2.499E-01	2.357E-20	1.940E-30	0.	0.	0.	0.	1.500E+03
0.	6.321E-14	2.499E-01	2.288E-20	1.261E-29	0.	0.	0.	0.	1.600E+03
0.	5.252E-13	2.499E-01	2.203E-20	6.427E-29	0.	0.	0.	0.	1.700E+03
2.156E-27	3.453E-12	2.499E-01	2.111E-20	2.711E-28	0.	0.	0.	0.	1.800E+03
7.713E-25	1.864E-11	2.499E-01	2.018E-20	9.749E-28	0.	0.	0.	0.	1.900E+03
1.440E-22	6.510E-11	2.499E-01	2.061E-20	3.294E-27	0.	0.	0.	0.	2.000E+03
5.943E-21	3.364E-10	2.499E-01	5.738E-20	2.704E-26	1.179E-26	0.	0.	0.	2.100E+03
7.248E-20	1.175E-09	2.499E-01	3.563E-19	4.489E-25	3.478E-27	0.	0.	0.	2.200E+03
6.194E-19	3.600E-09	2.499E-01	2.157E-18	6.468E-24	6.476E-26	0.	0.	0.	2.300E+03
4.352E-18	1.049E-08	2.497E-01	1.139E-17	4.055E-23	9.440E-25	0.	0.	0.	2.400E+03
2.607E-17	2.751E-08	2.495E-01	5.328E-17	8.073E-22	1.164E-23	0.	0.	0.	2.500E+03
1.359E-16	6.699E-08	2.492E-01	2.209E-16	6.678E-21	1.143E-22	0.	0.	0.	2.600E+03
6.256E-16	1.528E-07	2.488E-01	8.225E-16	4.770E-20	6.434E-22	0.	0.	0.	2.700E+03
2.578E-15	3.284E-07	2.483E-01	2.814E-15	2.965E-19	6.688E-21	0.	0.	0.	2.800E+03
9.615E-15	6.494E-07	2.477E-01	8.824E-15	1.625E-18	4.136E-20	0.	0.	0.	2.900E+03
3.276E-14	1.303E-06	2.468E-01	2.568E-14	7.949E-18	2.261E-19	0.	0.	0.	3.000E+03
1.029E-13	2.426E-06	2.457E-01	6.982E-14	3.544E-17	1.105E-18	0.	0.	0.	3.100E+03
2.946E-13	4.344E-06	2.444E-01	1.786E-13	1.434E-16	4.879E-18	0.	0.	0.	3.200E+03
8.152E-12	7.506E-06	2.428E-01	4.320E-13	5.342E-16	1.965E-17	0.	0.	0.	3.300E+03
2.082E-12	1.255E-05	2.404E-01	9.930E-13	1.846E-15	7.274E-17	0.	0.	0.	3.400E+03
5.019E-12	2.337E-05	2.386E-01	2.179E-12	5.940E-15	2.490E-16	0.	0.	0.	3.500E+03
1.146E-11	3.214E-05	2.359E-01	4.579E-12	1.796E-14	7.938E-16	0.	0.	0.	3.600E+03
2.491E-11	6.444E-05	2.329E-01	9.254E-12	5.121E-14	2.368E-15	0.	0.	0.	3.700E+03
5.164E-11	7.424E-05	2.296E-01	1.803E-11	1.384E-13	6.646E-15	0.	0.	0.	3.800E+03
1.025E-10	1.092E-04	2.259E-01	3.394E-11	3.561E-13	1.763E-14	0.	0.	0.	3.900E+03
1.952E-10	1.574E-04	2.218E-01	6.211E-11	8.753E-13	4.435E-14	0.	0.	0.	4.000E+03
3.579E-10	2.223E-04	2.175E-01	1.103E-10	2.063E-12	1.062E-13	0.	0.	0.	4.100E+03
6.327E-10	3.367E-04	2.129E-01	1.908E-10	4.876E-12	2.432E-13	0.	0.	0.	4.200E+03
1.061E-09	4.219E-04	2.081E-01	3.220E-10	1.022E-11	5.333E-13	0.	0.	0.	4.300E+03
1.787E-09	5.678E-04	2.032E-01	5.314E-10	2.162E-11	1.124E-12	0.	0.	0.	4.400E+03
2.565E-09	7.537E-04	1.982E-01	8.995E-10	4.432E-11	2.282E-12	0.	0.	0.	4.500E+03
4.464E-09	9.875E-04	1.932E-01	1.363E-09	8.829E-11	4.475E-12	0.	0.	0.	4.600E+03
6.789E-09	1.278E-03	1.883E-01	2.125E-09	1.712E-10	8.496E-12	0.	0.	0.	4.700E+03
1.070E-08	1.637E-03	1.835E-01	3.260E-09	3.256E-10	1.564E-11	0.	0.	0.	4.800E+03
1.444E-08	2.074E-03	1.789E-01	4.927E-09	5.983E-10	2.815E-11	0.	0.	0.	4.900E+03
2.037E-08	2.604E-03	1.744E-01	7.343E-09	1.082E-09	4.915E-11	0.	0.	0.	5.000E+03
2.814E-08	3.398E-03	1.693E-01	1.071E-08	3.327E-09	7.946E-11	0.	0.	0.	5.100E+03
6.931E-08	5.952E-03	1.592E-01	3.216E-08	9.507E-09	3.632E-10	0.	0.	0.	5.200E+03
1.092E-07	8.622E-03	1.478E-01	6.284E-08	2.541E-08	8.773E-10	0.	0.	0.	5.300E+03
1.753E-07	1.214E-02	1.418E-01	1.184E-07	6.382E-08	1.787E-09	0.	0.	0.	5.400E+03
2.546E-07	1.681E-02	1.348E-01	2.143E-07	1.514E-07	4.223E-09	8.803E-26	0.	0.	6.000E+03
3.671E-07	2.270E-02	1.301E-01	3.734E-07	3.401E-07	6.523E-09	8.437E-25	0.	0.	6.200E+03
5.135E-07	3.033E-02	1.253E-01	6.273E-07	7.263E-07	1.438E-08	7.034E-24	0.	0.	6.400E+03
6.957E-07	3.996E-02	1.203E-01	1.015E-06	1.478E-06	3.007E-08	5.155E-23	0.	0.	6.600E+03
9.119E-07	4.951E-02	1.171E-01	1.581E-06	2.874E-06	5.295E-08	3.351E-22	0.	0.	6.800E+03
1.218E-06	6.145E-02	1.134E-01	2.375E-06	4.351E-06	8.962E-08	1.968E-21	0.	0.	7.000E+03
1.580E-06	7.507E-02	1.101E-01	3.438E-06	6.960E-06	1.441E-07	1.021E-20	0.	0.	7.200E+03
1.989E-06	9.100E-02	1.0718E-02	4.794E-06	8.642E-05	2.300E-07	4.850E-20	0.	0.	7.400E+03
2.449E-06	1.054E-01	8.278E-02	6.456E-06	2.715E-05	3.495E-07	2.104E-19	0.	0.	7.600E+03
3.006E-06	1.223E-01	7.315E-02	8.361E-06	4.332E-05	5.152E-07	8.384E-19	0.	0.	7.800E+03
3.652E-06	1.367E-01	6.356E-02	1.050E-05	6.479E-05	7.356E-07	3.085E-18	0.	0.	8.000E+03
4.388E-06	1.547E-01	5.430E-02	1.272E-05	9.711E-05	1.219E-06	1.054E-17	0.	0.	8.200E+03
5.218E-06	1.696E-01	4.563E-02	1.493E-05	1.444E-04	1.374E-06	3.360E-17	0.	0.	8.400E+03
6.152E-06	1.812E-01	3.78E-02	1.700E-05	2.035E-04	1.404E-06	1.005E-16	0.	0.	8.600E+03
7.145E-06	1.911E-01	3.044E-02	1.886E-05	2.794E-04	2.312E-06	2.834E-16	0.	0.	8.800E+03
8.352E-06	2.054E-01	2.491E-02	2.043E-05	3.750E-04	2.899E-06	7.571E-16	0.	0.	9.000E+03
9.627E-06	2.177E-01	1.995E-02	2.170E-05	4.932E-04	3.565E-06	1.925E-15	0.	0.	9.200E+03
1.028E-05	2.276E-01	1.589E-02	2.267E-05	6.369E-04	4.309E-06	4.674E-15	0.	0.	9.400E+03
1.254E-05	2.260E-01	1.261E-02	2.336E-05	8.094E-04	5.130E-06	1.090E-14	0.	0.	9.600E+03
1.419E-05	2.302E-01	9.398E-03	2.382E-05	1.014E-03	6.028E-06	2.445E-14	0.	0.	9.800E+03
1.594E-05	2.334E-01	7.970E-03	2.408E-05	1.255E-03	7.051E-06	5.298E-14	0.	0.	1.000E+04
2.662E-05	2.435E-01	2.601E-03	2.352E-05	3.152E-03	1.295E-05	1.627E-12	0.	0.	1.100E+04
3.974E-05	2.369E-01	9.455E-04	2.147E-05	6.630E-03	2.339E-05	2.803E-11	0.	0.	1.200E+04
5.354E-05	2.279E-01	3.772E-04	1.909E-05	1.227E-02	2.847E-05	3.122E-10	2.669E-25	0.	1.300E+04
6.727E-05	2.162E-01	1.635E-04	1.630E-05	2.047E-02	3.584E-05	2.474E-09	3.173E-23	0.	1.400E+04
7.741E-05	1.957E-01	7.343E-05	1.334E-05	3.132E-02	4.117E-05	1.491E-08	2.048E-21	0.	1.500E+04
8.242E-05	1.730E-01	3.158E-05	1.039E-05	4.436E-02	4.314E-05	7.189E-08	6.047E-20	0.	1.600E+04
8.130E-05	1.474E-01	1.396E-05	7.846E-06	5.868E-02	4.142E-05	2.879E-07	2.124E-18	0.	1.700E+04
7.445E-05	1.211E-01	6.311E-06	5.360E-06	7.360E-02	3.656E-05	9.477E-07	4.007E-17	0.	1.800E+04
6.354E-05	9.594E-02	2.535E-06	3.447E-06	8.608E-02	2.995E-05	2.975E-06	5.728E-16	0.	1.900E+04
5.049E-05	7.189E-02	1.040E-06	2.184E-06	9.702E-02	2.295E-05	8.030E-06	6.483E-15	0.	2.000E+04

TABLE II. - Continued

T	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
2.100E+04	3.553E-01	2.704E-16	1.491E-11	4.767E-04	2.514E-17	2.336E-01	4.974E-08	5.151E-05	2.490E-01
2.200E+04	3.477E-01	6.133E-17	4.801E-12	2.302E-04	5.294E-18	1.831E-01	2.309E-08	4.907E-05	2.760E-01
2.300E+04	4.134E-01	1.368E-17	1.577E-12	1.177E-04	1.104E-18	1.425E-01	1.148E-08	3.010E-05	2.974E-01
2.400E+04	4.332E-01	5.073E-18	5.123E-13	5.824E-07	2.338E-19	1.107E-01	5.691E-07	2.227E-05	3.143E-01
2.500E+04	4.443E-01	7.101E-19	1.700E-13	2.917E-07	5.125E-20	8.831E-02	2.844E-07	1.627E-05	3.272E-01
2.600E+04	4.547E-01	1.710E-19	5.816E-14	1.488E-07	1.178E-20	6.821E-02	1.444E-07	1.185E-05	3.370E-01
2.700E+04	4.643E-01	4.329E-20	2.065E-14	7.762E-08	2.854E-21	5.442E-02	7.490E-08	8.661E-06	3.497E-01
2.800E+04	4.751E-01	1.154E-20	7.430E-15	4.145E-08	7.309E-22	4.399E-02	5.981E-08	6.371E-06	3.593E-01
2.900E+04	4.805E-01	3.254E-21	2.932E-15	2.266E-08	1.974E-22	3.604E-02	1.171E-08	4.727E-06	3.636E-01
3.000E+04	4.852E-01	9.672E-22	1.169E-15	1.265E-08	5.601E-23	2.993E-02	1.210E-08	1.541E-06	3.662E-01
3.100E+04	4.894E-01	3.012E-22	4.825E-16	7.149E-09	1.838E-23	2.516E-02	6.984E-09	2.480E-06	3.678E-01
3.200E+04	4.935E-01	9.797E-23	2.051E-16	4.148E-09	5.085E-24	2.141E-02	4.112E-09	2.049E-06	3.684E-01
3.300E+04	4.978E-01	3.310E-23	8.72E-17	2.419E-09	1.602E-24	1.842E-02	2.479E-09	1.581E-06	3.683E-01
3.400E+04	5.022E-01	1.155E-23	3.970E-17	1.422E-09	5.144E-25	1.600E-02	1.520E-09	1.232E-06	3.673E-01
3.500E+04	5.069E-01	4.145E-24	1.801E-17	8.389E-10	1.675E-25	1.402E-02	9.617E-10	9.479E-07	3.558E-01
3.600E+04	5.118E-01	1.523E-24	8.255E-18	4.957E-10	5.487E-26	1.238E-02	6.172E-10	7.472E-07	3.530E-01
3.700E+04	5.167E-01	5.713E-25	3.824E-18	2.929E-10	1.804E-26	1.102E-02	4.035E-10	6.132E-07	3.514E-01
3.800E+04	5.216E-01	2.184E-25	1.789E-18	1.730E-10	5.947E-27	9.868E-03	2.683E-10	4.942E-07	3.489E-01
3.900E+04	5.262E-01	8.498E-26	8.460E-19	1.021E-10	1.964E-27	8.889E-03	1.413E-10	4.015E-07	3.465E-01
4.000E+04	5.304E-01	3.367E-26	4.037E-19	6.037E-11	6.037E-28	8.050E-03	1.244E-10	3.289E-07	3.441E-01
4.100E+04	5.342E-01	1.359E-26	1.948E-19	3.577E-11	2.188E-28	7.324E-03	8.663E-11	2.714E-07	3.420E-01
4.200E+04	5.376E-01	5.595E-27	9.511E-20	2.128E-11	7.395E-29	6.696E-03	6.113E-11	2.259E-07	3.401E-01
4.300E+04	5.406E-01	2.349E-27	4.706E-20	1.273E-11	2.536E-29	6.146E-03	4.370E-11	1.893E-07	3.384E-01
4.400E+04	5.432E-01	1.006E-27	2.361E-20	7.667E-12	8.038E-30	5.661E-03	2.162E-11	1.597E-07	3.370E-01
4.500E+04	5.459E-01	4.399E-28	1.202E-20	4.694E-12	3.134E-30	5.233E-03	2.314E-11	1.359E-07	3.357E-01
4.600E+04	5.479E-01	1.962E-28	6.205E-21	2.840E-12	1.132E-30	4.852E-03	1.717E-11	1.157E-07	3.345E-01
4.700E+04	5.494E-01	8.922E-29	3.250E-21	1.757E-12	4.162E-31	4.511E-03	1.279E-11	9.931E-08	3.334E-01
4.800E+04	5.513E-01	4.133E-29	1.725E-21	1.093E-12	0.	4.205E-03	9.647E-12	8.566E-08	3.323E-01
4.900E+04	5.531E-01	1.944E-29	9.277E-22	6.844E-13	0.	3.929E-03	7.347E-12	7.421E-08	3.313E-01
5.000E+04	5.549E-01	9.324E-30	5.047E-22	4.318E-13	0.	3.679E-03	5.634E-12	6.454E-08	3.301E-01

P/P0 = 3.00E+01

T	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
5.000E+02	0.	5.679E-01	1.575E-20	6.983E-35	1.557E-28	7.289E-22	3.241E-01	1.324E-18	1.180E-21
6.000E+02	0.	2.262E-01	2.863E-17	6.949E-29	2.093E-24	6.465E-18	5.803E-01	1.032E-18	3.727E-21
7.000E+02	0.	6.946E-02	4.195E-15	1.064E-24	1.130E-21	3.671E-15	6.975E-01	8.894E-19	9.928E-21
8.000E+02	0.	2.352E-02	1.514E-13	1.337E-21	1.041E-19	6.539E-13	7.324E-01	8.335E-19	2.207E-20
9.000E+02	0.	9.443E-03	2.370E-12	3.357E-19	3.324E-18	1.843E-11	7.429E-01	7.969E-19	4.747E-20
1.000E+03	0.	4.448E-03	2.093E-11	2.772E-17	5.234E-17	3.584E-10	7.647E-01	7.587E-19	7.607E-20
1.100E+03	0.	2.374E-03	1.241E-10	1.021E-15	4.978E-16	4.085E-09	7.482E-01	7.154E-19	1.157E-19
1.200E+03	0.	1.407E-03	5.436E-10	2.061E-14	3.255E-15	3.118E-08	7.489E-01	6.880E-19	1.611E-19
1.300E+03	0.	9.014E-04	1.893E-09	2.635E-13	1.598E-14	1.748E-07	7.493E-01	6.186E-19	2.094E-19
1.400E+03	0.	6.155E-04	5.510E-09	2.332E-12	6.271E-14	7.886E-07	7.495E-01	5.697E-19	2.582E-19
1.500E+03	1.899E-33	4.428E-04	1.390E-08	1.543E-11	2.057E-13	2.780E-06	7.497E-01	5.224E-19	3.072E-19
1.600E+03	4.300E-30	3.321E-04	3.122E-08	8.063E-11	5.832E-13	6.567E-06	7.497E-01	4.795E-19	3.492E-19
1.700E+03	4.007E-27	2.581E-04	6.374E-08	3.469E-10	1.467E-12	2.327E-05	7.498E-01	4.389E-19	3.895E-19
1.800E+03	1.774E-24	2.067E-04	1.202E-07	1.289E-09	3.339E-12	5.654E-05	7.498E-01	4.043E-19	4.260E-19
1.900E+03	5.214E-22	1.696E-04	2.120E-07	4.050E-09	8.968E-12	1.253E-04	7.498E-01	3.727E-19	4.580E-19
2.000E+03	5.504E-20	1.422E-04	3.934E-07	1.151E-08	1.361E-11	2.567E-04	7.497E-01	3.667E-19	5.191E-19
2.100E+03	1.709E-18	1.213E-04	5.610E-07	2.962E-08	2.491E-11	4.917E-04	7.495E-01	3.624E-19	1.547E-18
2.200E+03	1.563E-17	1.051E-04	8.537E-07	6.995E-08	4.324E-11	8.885E-04	7.491E-01	3.785E-19	1.042E-17
2.300E+03	1.032E-16	9.232E-05	1.252E-06	1.533E-07	7.163E-11	1.526E-03	7.486E-01	3.418E-17	6.839E-17
2.400E+03	5.744E-16	8.197E-05	1.718E-06	3.145E-07	1.139E-10	2.507E-03	7.477E-01	1.775E-16	3.909E-16
2.500E+03	2.788E-15	7.348E-05	2.453E-06	6.091E-07	1.745E-10	3.958E-03	7.465E-01	8.110E-16	1.951E-15
2.600E+03	1.201E-14	6.838E-05	3.248E-06	1.121E-06	2.567E-10	6.035E-03	7.447E-01	3.302E-15	8.623E-15
2.700E+03	4.650E-14	6.037E-05	4.333E-06	1.969E-06	3.725E-10	8.918E-03	7.421E-01	1.213E-14	3.419E-14
2.800E+03	1.638E-13	5.518E-05	5.573E-06	3.321E-06	5.220E-10	1.281E-02	7.387E-01	4.064E-14	1.230E-13
2.900E+03	5.298E-13	5.043E-05	7.029E-06	5.397E-06	7.135E-10	1.744E-02	7.363E-01	1.253E-13	4.054E-13
3.000E+03	1.587E-12	4.858E-05	8.705E-06	8.478E-06	9.930E-10	2.454E-02	7.289E-01	3.585E-13	1.235E-12
3.100E+03	4.431E-12	4.291E-05	1.060E-05	1.291E-05	1.244E-09	3.788E-02	7.212E-01	3.580E-13	3.506E-12
3.200E+03	1.161E-11	3.955E-05	1.270E-05	1.912E-05	1.595E-09	4.319E-02	7.122E-01	2.404E-12	9.326E-12
3.300E+03	2.672E-11	3.642E-05	1.448E-05	2.757E-05	2.004E-09	5.571E-02	7.012E-01	5.706E-12	2.339E-11
3.400E+03	6.734E-11	3.348E-05	1.742E-05	3.880E-05	2.470E-09	7.066E-02	6.881E-01	1.284E-11	5.599E-11
3.500E+03	1.504E-10	3.089E-05	1.946E-05	5.339E-05	2.991E-09	8.822E-02	6.727E-01	2.753E-11	1.257E-10
3.600E+03	3.212E-10	2.802E-05	2.255E-05	7.190E-05	3.585E-09	1.055E-01	6.550E-01	5.642E-11	2.716E-10
3.700E+03	6.580E-10	2.546E-05	2.513E-05	9.491E-05	4.161E-09	1.316E-01	6.367E-01	1.895E-10	6.627E-10
3.800E+03	1.297E-09	2.300E-05	2.743E-05	1.229E-04	4.785E-09	1.575E-01	6.171E-01	2.894E-10	1.121E-09
3.900E+03	2.467E-09	2.064E-05	2.997E-05	1.564E-04	5.413E-09	1.861E-01	5.970E-01	3.814E-10	2.154E-09
4.000E+03	4.560E-09	1.839E-05	3.208E-05	1.954E-04	6.026E-09	2.173E-01	5.797E-01	6.704E-10	4.001E-09
4.100E+03	8.099E-09	1.625E-05	3.389E-05	2.407E-04	6.802E-09	2.507E-01	5.604E-01	1.141E-09	7.202E-09
4.200E+03	1.403E-08	1.424E-05	3.558E-05	2.914E-04	7.612E-09	2.860E-01	4.994E-01	1.882E-09	1.259E-08
4.300E+03	2.366E-08	1.237E-05	3.640E-05	3.482E-04	8.571E-09	3.228E-01	4.672E-01	3.015E-09	2.140E-08
4.400E+03	3.890E-08	1.064E-05	3.703E-05	4.100E-04	9.731E-09	3.607E-01	4.360E-01	4.444E-09	3.444E-08
4.500E+03	6.244E-08	9.072E-06	3.722E-05	4.744E-04	1.103E-08	3.989E-01	4.004E-01	7.122E-09	5.790E-08
4.600E+03	9.800E-08	7.662E-06	3.696E-05	5.448E-04	1.252E-08	4.371E-01	3.649E-01	1.053E-08	9.053E-08
4.700E+03	1.506E-07	6.414E-06	3.638E-05	6.204E-04	1.409E-08	4.766E-01	3.335E-01	1.521E-08	1.400E-07
4.800E+03	2.270E-07	5.323E-06	3.535E-05	6.962E-04	1.579E-08	5.109E-01	3.020E-01	2.168E-08	2.121E-07

TABLE II.- Continued

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
3.862E-05	5.567E-02	4.204E-07	1.322E-06	1.095E-01	1.670E-05	1.978E-05	6.019E-14	0.	2.100E+04
2.811E-05	4.149E-02	1.697E-07	7.844E-07	1.110E-01	1.172E-05	4.911E-05	4.702E-13	0.	2.200E+04
1.989E-05	3.077E-02	6.939E-08	4.627E-07	1.158E-01	8.051E-06	9.637E-05	3.183E-12	0.	2.300E+04
1.384E-05	2.294E-02	2.903E-08	2.743E-07	1.180E-01	5.481E-06	1.945E-04	1.882E-11	0.	2.400E+04
7.377E-06	1.724E-02	1.253E-08	1.444E-07	1.203E-01	3.733E-06	3.736E-04	9.710E-11	0.	2.500E+04
6.440E-06	1.314E-02	5.592E-09	1.004E-07	1.213E-01	2.559E-06	6.859E-04	4.545E-10	0.	2.600E+04
4.640E-06	1.014E-02	2.584E-09	6.234E-08	1.216E-01	1.773E-06	1.208E-03	1.921E-09	0.	2.700E+04
3.242E-06	7.924E-03	1.234E-09	3.932E-08	1.213E-01	1.243E-06	2.047E-03	7.400E-09	0.	2.800E+04
2.394E-06	6.240E-03	6.064E-10	2.513E-08	1.203E-01	8.818E-07	3.343E-03	2.812E-08	0.	2.900E+04
1.720E-06	4.940E-03	3.052E-10	1.621E-08	1.185E-01	6.322E-07	5.244E-03	8.489E-08	0.	3.000E+04
1.279E-06	4.000E-03	1.564E-10	1.050E-08	1.154E-01	4.571E-07	7.996E-03	2.551E-07	0.	3.100E+04
9.480E-07	3.215E-03	8.101E-11	6.790E-09	1.117E-01	3.325E-07	1.171E-02	7.109E-07	0.	3.200E+04
7.467E-07	2.582E-03	4.213E-11	4.355E-09	1.064E-01	2.425E-07	1.654E-02	1.841E-06	0.	3.300E+04
5.804E-07	2.056E-03	2.186E-11	2.756E-09	9.988E-02	1.768E-07	2.250E-02	4.443E-06	0.	3.400E+04
4.694E-07	1.640E-03	1.124E-11	1.712E-09	9.214E-02	1.285E-07	2.948E-02	1.002E-05	1.053E-12	3.500E+04
3.821E-07	1.291E-03	5.712E-12	1.041E-09	8.350E-02	9.289E-08	3.724E-02	2.116E-05	4.725E-12	3.600E+04
3.159E-07	1.038E-03	2.859E-12	6.187E-10	7.434E-02	6.688E-08	4.543E-02	4.207E-05	1.916E-11	3.700E+04
2.651E-07	7.754E-04	1.410E-12	3.597E-10	6.509E-02	4.751E-08	5.366E-02	7.911E-05	7.087E-11	3.800E+04
2.255E-07	5.927E-04	6.862E-13	2.050E-10	5.614E-02	3.961E-08	6.158E-02	1.414E-04	2.409E-10	3.900E+04
1.941E-07	4.692E-04	3.304E-13	1.150E-10	4.783E-02	2.364E-08	6.887E-02	2.415E-04	7.588E-10	4.000E+04
1.694E-07	3.844E-04	1.589E-13	6.375E-11	4.034E-02	1.658E-08	7.536E-02	3.963E-04	2.232E-09	4.100E+04
1.484E-07	2.539E-04	7.570E-14	3.507E-11	3.376E-02	1.157E-08	8.094E-02	6.274E-04	6.189E-09	4.200E+04
1.310E-07	1.901E-04	3.591E-14	1.923E-11	2.815E-02	8.079E-09	8.537E-02	9.425E-04	1.612E-08	4.300E+04
1.176E-07	1.422E-04	1.719E-14	1.054E-11	2.336E-02	5.647E-09	8.927E-02	1.435E-03	4.005E-08	4.400E+04
1.058E-07	1.064E-04	8.276E-15	5.784E-12	1.935E-02	3.955E-09	9.209E-02	2.087E-03	9.493E-08	4.500E+04
9.575E-08	7.979E-05	4.013E-15	3.187E-12	1.602E-02	2.774E-09	9.405E-02	2.965E-03	2.154E-07	4.600E+04
8.717E-08	5.922E-05	1.960E-15	1.784E-12	1.326E-02	1.955E-09	9.520E-02	4.121E-03	4.694E-07	4.700E+04
7.975E-08	4.381E-05	9.667E-16	9.812E-13	1.097E-02	1.387E-09	9.555E-02	5.613E-03	9.849E-07	4.800E+04
7.350E-08	3.157E-05	4.802E-16	5.676E-13	9.080E-03	9.855E-10	9.512E-02	7.496E-03	1.992E-06	4.900E+04
6.764E-08	2.563E-05	2.400E-16	7.369E-13	7.506E-03	7.011E-10	9.491E-02	9.821E-03	3.889E-06	5.000E+04

F/PD = 3.00E+01

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.083E-01	4.364E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.936E-01	8.883E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.325E-01	1.160E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.636E-29	2.441E-01	1.486E-20	0.	0.	0.	0.	0.	8.000E+02
0.	4.058E-26	2.478E-01	1.799E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.759E-23	2.488E-01	2.062E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.474E-21	2.494E-01	2.255E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.683E-19	2.496E-01	2.376E-20	1.021E-33	0.	0.	0.	0.	1.200E+03
0.	1.426E-17	2.498E-01	2.427E-20	1.891E-32	0.	0.	0.	0.	1.300E+03
0.	3.288E-16	2.498E-01	2.427E-20	2.268E-31	0.	0.	0.	0.	1.400E+03
0.	5.553E-15	2.498E-01	2.388E-20	1.925E-30	0.	0.	0.	0.	1.500E+03
0.	6.108E-14	2.498E-01	2.321E-20	1.236E-29	0.	0.	0.	0.	1.600E+03
0.	5.374E-13	2.498E-01	2.239E-20	6.338E-28	0.	0.	0.	0.	1.700E+03
0.	3.336E-12	2.498E-01	2.148E-20	2.845E-28	0.	0.	0.	0.	1.800E+03
2.047E-27	1.403E-11	2.498E-01	2.056E-20	9.415E-28	0.	0.	0.	0.	1.900E+03
7.313E-25	8.222E-11	2.498E-01	2.041E-20	3.229E-27	0.	0.	0.	0.	2.000E+03
5.864E-21	3.250E-10	2.498E-01	1.852E-20	2.473E-26	1.154E-28	0.	0.	0.	2.100E+03
7.181E-20	1.185E-09	2.498E-01	1.485E-19	4.241E-25	3.436E-27	0.	0.	0.	2.200E+03
6.123E-18	3.556E-09	2.498E-01	2.108E-19	6.296E-24	6.595E-26	0.	0.	0.	2.300E+03
4.311E-16	1.113E-08	2.497E-01	1.115E-17	7.607E-23	4.732E-25	0.	0.	0.	2.400E+03
2.576E-14	2.647E-08	2.498E-01	5.210E-17	7.561E-22	1.154E-23	0.	0.	0.	2.500E+03
1.342E-12	6.472E-08	2.492E-01	2.161E-16	6.311E-21	1.129E-22	0.	0.	0.	2.600E+03
6.178E-10	1.678E-07	2.498E-01	8.049E-16	6.509E-20	4.316E-22	0.	0.	0.	2.700E+03
2.546E-08	3.173E-07	2.484E-01	2.756E-15	2.804E-19	6.603E-21	0.	0.	0.	2.800E+03
9.492E-06	6.473E-07	2.477E-01	8.640E-15	1.539E-18	6.031E-20	0.	0.	0.	2.900E+03
3.235E-04	1.255E-06	2.466E-01	2.515E-14	7.447E-18	2.231E-19	0.	0.	0.	3.000E+03
1.216E-03	2.346E-06	2.459E-01	6.840E-14	3.153E-17	1.091E-18	0.	0.	0.	3.100E+03
2.059E-02	4.194E-06	2.446E-01	1.750E-13	1.347E-16	6.816E-18	0.	0.	0.	3.200E+03
4.052E-01	7.255E-06	2.437E-01	4.279E-13	5.056E-16	1.939E-17	0.	0.	0.	3.300E+03
2.058E-12	1.213E-05	2.411E-01	4.736E-13	1.766E-15	7.181E-17	0.	0.	0.	3.400E+03
4.942E-02	1.906E-05	2.384E-01	2.137E-12	5.623E-15	2.659E-16	0.	0.	0.	3.500E+03
1.134E-11	3.109E-05	2.364E-01	6.492E-12	1.700E-14	7.650E-16	0.	0.	0.	3.600E+03
2.464E-11	6.721E-05	2.335E-01	7.080E-12	4.844E-14	2.339E-15	0.	0.	0.	3.700E+03
5.115E-11	7.186E-05	2.302E-01	1.770E-11	1.311E-13	6.569E-15	0.	0.	0.	3.800E+03
1.031E-10	1.057E-04	2.268E-01	3.336E-11	3.372E-13	1.743E-14	0.	0.	0.	3.900E+03
1.934E-10	1.522E-04	2.228E-01	6.078E-11	6.288E-13	4.388E-14	0.	0.	0.	4.000E+03
3.557E-10	2.152E-04	2.184E-01	1.083E-10	1.957E-12	1.052E-13	0.	0.	0.	4.100E+03
6.247E-10	2.993E-04	2.137E-01	1.878E-10	4.627E-12	7.649E-13	0.	0.	0.	4.200E+03
1.077E-09	4.386E-04	2.092E-01	3.163E-10	9.677E-12	5.777E-13	0.	0.	0.	4.300E+03
1.786E-09	5.931E-04	2.046E-01	5.227E-10	2.066E-11	1.115E-12	0.	0.	0.	4.400E+03
2.866E-09	7.104E-04	1.994E-01	8.441E-10	4.191E-11	2.266E-12	0.	0.	0.	4.500E+03
4.475E-09	8.571E-04	1.945E-01	1.339E-09	8.364E-11	4.446E-12	0.	0.	0.	4.600E+03
6.758E-09	1.219E-03	1.896E-01	2.086E-09	1.618E-10	8.647E-12	0.	0.	0.	4.700E+03
1.037E-08	1.587E-03	1.844E-01	3.144E-09	3.059E-10	1.557E-11	0.	0.	0.	4.800E+03

TABLE II. - Continued

T	L	NH3	NH2	NH	N2H2	H	H2	H2+	H+
4.900E+03	3.357E-07	4.383E-06	3.405E-05	7.736E-04	8.242E-09	5.457E-01	2.714E-01	2.970E-08	3.152E-07
5.000E+03	4.880E-07	3.583E-06	3.252E-05	8.516E-04	8.039E-09	5.783E-01	2.423E-01	7.025E-08	4.602E-07
5.200E+03	9.829E-07	2.352E-06	2.900E-05	1.007E-03	7.461E-09	6.367E-01	1.909E-01	7.002E-08	9.332E-07
5.400E+03	1.870E-06	1.518E-06	2.522E-05	1.150E-03	6.764E-09	6.848E-01	1.481E-01	1.142E-07	1.783E-06
5.600E+03	3.383E-06	9.702E-07	2.157E-05	1.301E-03	5.980E-09	7.228E-01	1.138E-01	1.765E-07	3.233E-06
5.800E+03	5.858E-06	6.188E-07	1.822E-05	1.455E-03	5.229E-09	7.518E-01	8.703E-02	2.405E-07	5.599E-06
6.000E+03	9.763E-06	3.959E-07	1.528E-05	1.559E-03	4.527E-09	7.731E-01	6.659E-02	3.700E-07	9.308E-06
6.200E+03	1.573E-05	2.549E-07	1.275E-05	1.671E-03	3.889E-09	7.883E-01	5.112E-02	5.087E-07	1.493E-05
6.400E+03	2.460E-05	1.656E-07	1.061E-05	1.770E-03	3.318E-09	7.985E-01	3.947E-02	6.802E-07	2.318E-05
6.600E+03	3.768E-05	1.086E-07	8.819E-06	1.853E-03	2.812E-09	8.048E-01	3.068E-02	8.878E-07	3.495E-05
6.800E+03	5.571E-05	7.185E-08	7.316E-06	1.921E-03	2.368E-09	8.080E-01	2.403E-02	1.134E-06	5.135E-05
7.000E+03	8.107E-05	4.796E-08	6.058E-06	1.969E-03	1.974E-09	8.106E-01	1.897E-02	1.423E-06	7.365E-05
7.200E+03	1.157E-04	3.228E-08	5.005E-06	1.998E-03	1.631E-09	8.122E-01	1.510E-02	1.759E-06	1.034E-04
7.400E+03	1.622E-04	2.189E-08	4.125E-06	2.005E-03	1.333E-09	8.136E-01	1.211E-02	2.132E-06	1.422E-04
7.600E+03	2.237E-04	1.489E-08	3.388E-06	1.991E-03	1.077E-09	8.142E-01	9.794E-03	2.556E-06	1.921E-04
7.800E+03	3.039E-04	1.019E-08	2.794E-06	1.956E-03	8.594E-10	8.147E-01	7.992E-03	3.029E-06	2.535E-04
8.000E+03	4.070E-04	7.012E-09	2.263E-06	1.900E-03	6.767E-10	8.149E-01	6.557E-03	3.553E-06	3.343E-04
8.200E+03	5.379E-04	4.948E-09	1.860E-06	1.828E-03	5.260E-10	8.150E-01	5.430E-03	4.133E-06	4.321E-04
8.400E+03	7.021E-04	3.368E-09	1.492E-06	1.741E-03	4.060E-10	8.151E-01	4.534E-03	4.776E-06	5.518E-04
8.600E+03	9.058E-04	2.350E-09	1.207E-06	1.644E-03	3.069E-10	8.152E-01	3.816E-03	5.681E-06	6.973E-04
8.800E+03	1.155E-03	1.651E-09	9.794E-07	1.540E-03	2.311E-10	8.153E-01	3.238E-03	6.761E-06	8.728E-04
9.000E+03	1.458E-03	1.168E-09	7.884E-07	1.424E-03	1.728E-10	8.154E-01	2.769E-03	7.921E-06	1.083E-03
9.200E+03	1.822E-03	8.319E-10	6.317E-07	1.329E-03	1.297E-10	8.155E-01	2.388E-03	9.048E-06	1.333E-03
9.400E+03	2.257E-03	5.974E-10	5.166E-07	1.227E-03	9.504E-11	8.156E-01	2.070E-03	1.038E-05	1.629E-03
9.600E+03	2.770E-03	4.326E-10	4.199E-07	1.130E-03	7.107E-11	8.157E-01	1.807E-03	1.025E-05	1.976E-03
9.800E+03	3.372E-03	3.159E-10	3.423E-07	1.039E-03	5.289E-11	8.158E-01	1.587E-03	1.169E-05	2.381E-03
1.000E+04	4.074E-03	2.326E-10	2.801E-07	9.552E-04	3.964E-11	8.159E-01	1.401E-03	1.288E-05	2.851E-03
1.100E+04	4.979E-03	1.684E-10	2.236E-07	8.711E-04	2.928E-12	8.160E-01	1.241E-03	1.426E-05	3.402E-03
1.200E+04	6.091E-03	1.243E-10	1.769E-07	8.079E-04	2.190E-12	8.161E-01	1.091E-03	1.574E-05	4.028E-03
1.300E+04	7.427E-03	9.314E-11	1.360E-07	7.505E-04	1.608E-13	8.162E-01	9.511E-04	1.732E-05	4.768E-03
1.400E+04	8.997E-03	6.829E-11	1.029E-07	7.038E-04	1.107E-13	8.163E-01	8.267E-04	1.898E-05	5.612E-03
1.500E+04	1.082E-02	4.999E-11	7.644E-08	1.388E-04	7.440E-14	8.164E-01	7.209E-04	2.072E-05	6.570E-03
1.600E+04	1.284E-02	3.640E-11	5.718E-08	9.137E-05	5.096E-14	8.165E-01	6.319E-04	2.254E-05	7.642E-03
1.700E+04	1.504E-02	2.619E-11	4.257E-08	5.768E-05	3.522E-15	8.166E-01	5.571E-04	2.446E-05	8.831E-03
1.800E+04	1.741E-02	1.899E-11	3.161E-08	3.960E-05	2.414E-15	8.167E-01	4.939E-04	2.648E-05	1.017E-02
1.900E+04	2.095E-02	1.413E-11	2.333E-08	2.875E-05	1.646E-16	8.168E-01	4.395E-04	2.863E-05	1.174E-02
2.000E+04	2.568E-02	1.039E-11	1.733E-08	2.084E-05	1.104E-16	8.169E-01	3.923E-04	3.092E-05	1.352E-02
2.100E+04	3.162E-02	7.646E-12	1.292E-08	1.526E-05	7.421E-17	8.170E-01	3.523E-04	3.336E-05	1.554E-02
2.200E+04	3.888E-02	5.647E-12	9.491E-09	1.104E-05	5.094E-18	8.171E-01	3.187E-04	3.594E-05	1.781E-02
2.300E+04	4.758E-02	4.161E-12	6.892E-09	8.050E-06	3.567E-19	8.172E-01	2.901E-04	3.866E-05	2.034E-02
2.400E+04	5.782E-02	2.991E-12	5.049E-09	5.890E-06	2.491E-19	8.173E-01	2.663E-04	4.154E-05	2.312E-02
2.500E+04	6.972E-02	2.161E-12	3.709E-09	4.303E-06	1.721E-20	8.174E-01	2.463E-04	4.456E-05	2.614E-02
2.600E+04	8.348E-02	1.591E-12	2.706E-09	3.104E-06	1.209E-21	8.175E-01	2.287E-04	4.772E-05	2.938E-02
2.700E+04	9.924E-02	1.161E-12	1.961E-09	2.231E-06	8.476E-22	8.176E-01	2.133E-04	5.102E-05	3.284E-02
2.800E+04	1.171E-01	8.424E-13	1.424E-09	1.611E-06	5.976E-23	8.177E-01	1.998E-04	5.444E-05	3.652E-02
2.900E+04	1.378E-01	6.078E-13	1.033E-09	1.154E-06	4.276E-24	8.178E-01	1.881E-04	5.894E-05	4.044E-02
3.000E+04	1.616E-01	4.424E-13	7.472E-10	8.317E-07	3.072E-25	8.179E-01	1.780E-04	6.352E-05	4.458E-02
3.100E+04	1.888E-01	3.169E-13	5.407E-10	5.977E-07	2.212E-26	8.180E-01	1.691E-04	6.816E-05	4.894E-02
3.200E+04	2.208E-01	2.280E-13	3.923E-10	4.302E-07	1.594E-27	8.181E-01	1.613E-04	7.284E-05	5.352E-02
3.300E+04	2.579E-01	1.651E-13	2.805E-10	3.097E-07	1.154E-28	8.182E-01	1.545E-04	7.764E-05	5.834E-02
3.400E+04	3.005E-01	1.201E-13	2.033E-10	2.231E-07	8.317E-29	8.183E-01	1.486E-04	8.254E-05	6.338E-02
3.500E+04	3.491E-01	8.646E-14	1.461E-10	1.611E-07	5.976E-30	8.184E-01	1.434E-04	8.754E-05	6.862E-02
3.600E+04	4.043E-01	6.246E-14	1.057E-10	1.154E-07	4.302E-31	8.185E-01	1.388E-04	9.264E-05	7.404E-02
3.700E+04	4.668E-01	4.501E-14	7.624E-11	8.317E-08	3.072E-32	8.186E-01	1.347E-04	9.784E-05	7.962E-02
3.800E+04	5.382E-01	3.246E-14	5.509E-11	5.977E-08	2.212E-33	8.187E-01	1.310E-04	1.030E-04	8.534E-02
3.900E+04	6.191E-01	2.346E-14	3.923E-11	4.302E-08	1.594E-34	8.188E-01	1.277E-04	1.082E-04	9.118E-02
4.000E+04	7.102E-01	1.701E-14	2.805E-11	3.097E-08	1.154E-35	8.189E-01	1.248E-04	1.142E-04	9.712E-02
4.100E+04	8.122E-01	1.241E-14	2.033E-11	2.231E-08	8.317E-36	8.190E-01	1.222E-04	1.208E-04	1.031E-01
4.200E+04	9.268E-01	9.078E-15	1.461E-11	1.611E-08	5.976E-37	8.191E-01	1.200E-04	1.278E-04	1.090E-01
4.300E+04	1.054E-01	6.646E-15	1.057E-11	1.154E-08	4.302E-38	8.192E-01	1.181E-04	1.350E-04	1.150E-01
4.400E+04	1.195E-01	4.891E-15	7.624E-12	8.317E-09	3.072E-39	8.193E-01	1.165E-04	1.424E-04	1.210E-01
4.500E+04	1.352E-01	3.546E-15	5.509E-12	5.977E-09	2.212E-40	8.194E-01	1.152E-04	1.500E-04	1.270E-01
4.600E+04	1.526E-01	2.580E-15	3.923E-12	4.302E-09	1.594E-41	8.195E-01	1.141E-04	1.578E-04	1.330E-01
4.700E+04	1.718E-01	1.861E-15	2.805E-12	3.097E-09	1.154E-42	8.196E-01	1.131E-04	1.658E-04	1.390E-01
4.800E+04	1.929E-01	1.361E-15	2.033E-12	2.231E-09	8.317E-43	8.197E-01	1.122E-04	1.740E-04	1.450E-01
4.900E+04	2.161E-01	1.001E-15	1.461E-12	1.611E-09	5.976E-44	8.198E-01	1.114E-04	1.822E-04	1.510E-01
5.000E+04	2.415E-01	7.301E-16	1.057E-12	1.154E-09	4.302E-45	8.199E-01	1.107E-04	1.906E-04	1.570E-01
5.100E+04	2.693E-01	5.381E-16	7.624E-13	8.317E-10	3.072E-46	8.200E-01	1.101E-04	1.992E-04	1.630E-01
5.200E+04	3.000E-01	3.921E-16	5.509E-13	5.977E-10	2.212E-47	8.201E-01	1.096E-04	2.080E-04	1.690E-01
5.300E+04	3.338E-01	2.801E-16	3.923E-13	4.302E-10	1.594E-48	8.202E-01	1.091E-04	2.170E-04	1.750E-01
5.400E+04	3.710E-01	2.031E-16	2.805E-13	3.097E-10	1.154E-49	8.203E-01	1.087E-04	2.260E-04	1.810E-01
5.500E+04	4.119E-01	1.461E-16	2.033E-13	2.231E-10	8.317E-50	8.204E-01	1.084E-04	2.350E-04	1.870E-01
5.600E+04	4.568E-01	1.061E-16	1.461E-13	1.611E-10	5.976E-51	8.205E-01	1.081E-04	2.440E-04	1.930E-01
5.700E+04	5.050E-01	7.701E-17	1.057E-13	1.154E-10	4.302E-52	8.206E-01	1.079E-04	2.530E-04	2.000E-01
5.800E+04	5.568E-01	5.681E-17	7.624E-14	8.317E-11	3.072E-53	8.207E-01	1.077E-04	2.620E-04	2.070E-01
5.900E+04	6.126E-01	4.161E-17	5.509E-14	5.977E-11	2.212E-54	8.208E-01	1.076E-04	2.710E-04	2.140E-01
6.000E+04	6.726E-01	3.041E-17	3.923E-14	4.302E-11	1.594E-55	8.209E-01	1.075E-04	2.800E-04	2.210E-01
6.100E+04	7.370E-01	2.221E-17	2.805E-14	3.097E-11	1.154E-56	8.210E-01	1.074E-04	2.890E-04	2.280E-01
6.200E+04	8.062E-01	1.611E-17	2.033E-14	2.231E-11	8.317E-57	8.211E-01	1.073E-04	2.980E-04	2.350E-01
6.300E+04	8.806E-01	1.161E-17	1.461E-14	1.611E-11	5.976E-58	8.212E-01	1.072E-04	3.070E-04	2.420E-01
6.400E+04	9.606E-01	8.511E-18	1.057E-14	1.154E-11	4.302E-59	8.213E-01	1.071E-04	3.160E-04	2.490E-01
6.500E+04	1.0466E-01	6.241E-18	7.624E-15	8.317E-12	3.072E-60	8.214E-01	1.070E-04	3.250E-04	2.560E-01
6.600E+04	1.1386E-01	4.581E-18	5.509E-15	5.977E-12	2.212E-61	8.215E-01	1.069E-04	3.340E-04	2.630E-01
6.700E+04	1.2426E-01	3.381E-18	3.923E-15	4.302E-12	1.594E-62	8.216E-01	1.068E-04	3.430E-04	2.700E-01
6.800E+04	1.3586E-01	2.							

TABLE II. - Continued

N1	N2	N2*	N*	N*	N**	N**	N**	N**	N**	N**
1.450E-08	2.011E-03	1.801E-01	4.831E-09	5.648E-10	2.803E-11	0.	0.	0.	0.	4.301E+03
2.524E-08	2.524E-03	1.757E-01	1.147E-09	1.020E-09	4.898E-11	0.	0.	0.	0.	3.700E+07
3.671E-08	3.671E-03	1.675E-01	1.537E-08	3.135E-09	1.391E-10	0.	0.	0.	0.	5.200E+03
6.776E-08	5.769E-03	1.602E-01	3.137E-08	8.946E-09	3.626E-10	0.	0.	0.	0.	3.400E+09
1.110E-07	6.355E-03	1.538E-01	6.136E-08	2.388E-08	8.747E-10	0.	0.	0.	0.	5.600E+03
1.745E-07	1.140E-02	1.479E-01	1.154E-07	5.992E-07	1.933E-09	0.	0.	0.	0.	3.800E+03
2.615E-07	1.629E-02	1.424E-01	2.288E-07	1.420E-07	4.225E-09	7.999E-26	0.	0.	0.	6.000E+03
3.777E-07	2.199E-02	1.369E-01	3.638E-07	3.160E-07	8.532E-09	7.699E-25	0.	0.	0.	6.200E+03
5.291E-07	2.938E-02	1.311E-01	6.109E-07	6.811E-07	1.6E-08	6.384E-24	0.	0.	0.	6.400E+03
7.217E-07	3.768E-02	1.249E-01	9.888E-07	1.387E-06	3.014E-08	4.678E-23	0.	0.	0.	6.600E+03
9.620E-07	4.788E-02	1.181E-01	1.543E-06	2.697E-06	5.312E-08	3.042E-22	0.	0.	0.	6.800E+03
1.257E-06	5.946E-02	1.106E-01	2.321E-06	5.027E-06	6.999E-08	1.770E-21	0.	0.	0.	7.000E+03
1.612E-06	7.299E-02	1.024E-01	3.388E-06	6.989E-06	1.466E-07	9.280E-21	0.	0.	0.	7.200E+03
2.036E-06	8.762E-02	9.362E-02	4.713E-06	1.446E-05	2.315E-07	4.416E-20	0.	0.	0.	7.400E+03
2.534E-06	1.033E-01	8.435E-02	6.382E-06	2.461E-05	3.928E-07	1.919E-19	0.	0.	0.	7.600E+03
3.113E-06	1.215E-01	7.481E-02	8.288E-06	4.093E-05	5.205E-07	7.640E-19	0.	0.	0.	7.800E+03
3.786E-06	1.415E-01	6.526E-02	1.043E-05	6.323E-05	7.446E-07	2.824E-18	0.	0.	0.	8.000E+03
4.561E-06	1.637E-01	5.599E-02	1.269E-05	9.459E-05	1.034E-06	9.669E-18	0.	0.	0.	8.200E+03
5.442E-06	1.884E-01	4.726E-02	1.645E-05	1.373E-04	1.397E-06	3.089E-17	0.	0.	0.	8.400E+03
6.431E-06	2.155E-01	3.929E-02	1.711E-05	1.939E-04	1.838E-06	6.260E-17	0.	0.	0.	8.600E+03
7.640E-06	2.457E-01	3.223E-02	1.908E-05	2.666E-04	2.361E-06	2.616E-16	0.	0.	0.	8.800E+03
9.088E-06	2.791E-01	2.613E-02	2.073E-05	3.588E-04	2.967E-06	7.002E-16	0.	0.	0.	9.000E+03
1.088E-05	3.159E-01	2.101E-02	2.209E-05	4.726E-04	3.654E-06	1.783E-15	0.	0.	0.	9.200E+03
1.314E-05	3.565E-01	1.678E-02	2.315E-05	6.112E-04	4.427E-06	4.338E-15	0.	0.	0.	9.400E+03
1.589E-05	4.017E-01	1.336E-02	2.392E-05	7.778E-04	5.278E-06	1.012E-14	0.	0.	0.	9.600E+03
1.913E-05	4.512E-01	1.052E-02	2.444E-05	9.757E-04	6.210E-06	2.273E-14	0.	0.	0.	9.800E+03
2.296E-05	5.051E-01	8.377E-03	2.475E-05	1.230E-03	7.227E-06	4.929E-14	0.	0.	0.	1.000E+04
2.750E-05	5.634E-01	6.763E-03	2.491E-05	1.602E-03	8.346E-06	1.518E-13	0.	0.	0.	1.100E+04
3.286E-05	6.261E-01	5.366E-03	2.494E-05	2.094E-03	9.596E-06	2.615E-13	0.	0.	0.	1.200E+04
3.916E-05	6.934E-01	4.266E-03	2.484E-05	2.718E-03	1.107E-05	2.915E-11	0.	0.	0.	1.300E+04
4.650E-05	7.654E-01	3.468E-03	2.461E-05	3.484E-03	1.284E-05	2.311E-09	2.604E-25	0.	0.	1.400E+04
5.500E-05	8.421E-01	2.948E-03	2.428E-05	4.411E-03	1.484E-05	1.364E-08	1.842E-23	0.	0.	1.500E+04
6.478E-05	9.234E-01	2.588E-03	2.385E-05	5.548E-03	1.708E-05	6.722E-08	7.292E-20	0.	0.	1.600E+04
7.606E-05	1.009E-01	2.341E-03	2.335E-05	6.934E-03	1.956E-05	2.695E-07	1.908E-18	0.	0.	1.700E+04
8.998E-05	1.100E-01	2.191E-03	2.278E-05	8.514E-03	2.228E-05	9.251E-07	3.589E-17	0.	0.	1.800E+04
1.068E-04	1.197E-01	2.122E-03	2.215E-05	1.036E-02	2.523E-05	2.788E-06	5.120E-16	0.	0.	1.900E+04
1.274E-04	1.300E-01	2.034E-03	2.140E-05	1.240E-02	2.840E-05	7.532E-06	5.781E-15	0.	0.	2.000E+04
1.520E-04	1.409E-01	1.928E-03	2.054E-05	1.464E-02	3.184E-05	1.858E-05	5.349E-14	0.	0.	2.100E+04
1.810E-04	1.524E-01	1.806E-03	1.959E-05	1.718E-02	3.554E-05	4.232E-05	4.170E-13	0.	0.	2.200E+04
2.148E-04	1.645E-01	1.671E-03	1.874E-05	2.000E-02	3.954E-05	9.039E-05	2.798E-12	0.	0.	2.300E+04
2.538E-04	1.772E-01	1.518E-03	1.798E-05	2.311E-02	4.384E-05	1.824E-04	1.643E-11	0.	0.	2.400E+04
2.984E-04	1.905E-01	1.348E-03	1.731E-05	2.654E-02	4.844E-05	3.501E-04	8.557E-11	0.	0.	2.500E+04
3.490E-04	2.044E-01	1.164E-03	1.671E-05	3.128E-02	5.334E-05	6.426E-04	3.899E-10	0.	0.	2.600E+04
4.060E-04	2.189E-01	1.068E-03	1.613E-05	3.744E-02	5.854E-05	1.133E-03	1.487E-09	0.	0.	2.700E+04
4.708E-04	2.340E-01	9.741E-04	1.564E-05	4.508E-02	6.408E-05	1.918E-03	6.494E-09	0.	0.	2.800E+04
5.438E-04	2.497E-01	8.911E-04	1.520E-05	5.424E-02	6.994E-05	2.782E-03	2.262E-08	0.	0.	2.900E+04
6.254E-04	2.660E-01	8.181E-04	1.481E-05	6.496E-02	7.726E-05	3.939E-03	7.445E-08	0.	0.	3.000E+04
7.162E-04	2.830E-01	7.541E-04	1.446E-05	7.738E-02	8.504E-05	5.544E-03	2.243E-07	0.	0.	3.100E+04
8.168E-04	3.007E-01	6.981E-04	1.414E-05	9.172E-02	9.323E-05	7.754E-03	4.264E-07	0.	0.	3.200E+04
9.278E-04	3.191E-01	6.491E-04	1.384E-05	1.074E-01	1.019E-04	1.062E-02	1.627E-06	0.	0.	3.300E+04
1.050E-03	3.382E-01	6.061E-04	1.356E-05	1.254E-01	1.112E-04	2.132E-02	3.960E-06	0.	0.	3.400E+04
1.184E-03	3.580E-01	5.691E-04	1.330E-05	1.458E-01	1.214E-04	2.806E-02	8.920E-06	6.774E-13	0.	3.500E+04
1.332E-03	3.784E-01	5.371E-04	1.306E-05	1.688E-01	1.326E-04	3.561E-02	1.893E-05	3.956E-12	0.	3.600E+04
1.496E-03	3.994E-01	5.091E-04	1.284E-05	1.944E-01	1.448E-04	4.386E-02	3.783E-05	1.613E-11	0.	3.700E+04
1.676E-03	4.210E-01	4.841E-04	1.264E-05	2.228E-01	1.580E-04	5.183E-02	7.146E-05	5.992E-11	0.	3.800E+04
1.874E-03	4.442E-01	4.611E-04	1.246E-05	2.540E-01	1.722E-04	5.975E-02	1.286E-04	2.046E-10	0.	3.900E+04
2.092E-03	4.690E-01	4.391E-04	1.230E-05	2.884E-01	1.874E-04	6.713E-02	2.792E-04	6.472E-10	0.	4.000E+04
2.330E-03	4.954E-01	4.181E-04	1.216E-05	3.260E-01	2.036E-04	7.376E-02	3.628E-04	1.911E-09	0.	4.100E+04
2.588E-03	5.234E-01	3.981E-04	1.204E-05	3.668E-01	2.208E-04	7.970E-02	4.763E-04	1.299E-09	0.	4.200E+04
2.868E-03	5.529E-01	3.791E-04	1.194E-05	4.108E-01	2.390E-04	8.433E-02	6.868E-04	1.389E-09	0.	4.300E+04
3.172E-03	5.840E-01	3.611E-04	1.186E-05	4.578E-01	2.582E-04	8.721E-02	8.821E-04	1.326E-09	0.	4.400E+04
3.502E-03	6.166E-01	3.441E-04	1.179E-05	5.088E-01	2.784E-04	8.921E-02	1.069E-03	1.209E-09	0.	4.500E+04
3.858E-03	6.508E-01	3.281E-04	1.173E-05	5.638E-01	2.996E-04	9.031E-02	1.292E-03	1.049E-09	0.	4.600E+04
4.242E-03	6.866E-01	3.131E-04	1.168E-05	6.228E-01	3.218E-04	9.031E-02	1.549E-03	8.422E-09	0.	4.700E+04
4.656E-03	7.240E-01	2.991E-04	1.164E-05	6.858E-01	3.450E-04	8.921E-02	1.832E-03	6.422E-09	0.	4.800E+04
5.098E-03	7.630E-01	2.861E-04	1.161E-05	7.528E-01	3.692E-04	8.721E-02	2.139E-03	4.422E-09	0.	4.900E+04
5.570E-03	8.036E-01	2.741E-04	1.158E-05	8.248E-01	3.944E-04	8.491E-02	2.472E-03	2.722E-09	0.	5.000E+04
6.074E-03	8.458E-01	2.631E-04	1.156E-05	9.018E-01	4.206E-04	8.231E-02	2.834E-03	1.532E-09	0.	5.100E+04
6.610E-03	8.896E-01	2.531E-04	1.154E-05	9.838E-01	4.478E-04	7.931E-02	3.226E-03	8.581E-09	0.	5.200E+04
7.178E-03	9.350E-01	2.441E-04	1.152E-05	1.070E-01	4.760E-04	7.591E-02	3.648E-03	4.722E-09	0.	5.300E+04
7.778E-03	9.820E-01	2.361E-04	1.150E-05	1.164E-01	5.052E-04	7.211E-02	4.092E-03	2.622E-09	0.	5.400E+04
8.410E-03	1.030E-01	2.291E-04	1.148E-05	1.264E-01	5.354E-04	6.791E-02	4.564E-03	1.532E-09	0.	5.500E+04
9.074E-03	1.082E-01	2.231E-04	1.146E-05	1.370E-01	5.666E-04	6.341E-02	5.066E-03	8.222E-09	0.	5.600E+04
9.770E-03	1.136E-01	2.181E-04	1.144E-05	1.482E-01	5.988E-04	5.861E-02	5.598E-03	4.522E-09	0.	5.700E+04
1.050E-02	1.192E-01	2.141E-04	1.142E-05	1.600E-01	6.320E-04	5.431E-02	6.160E-03	2.822E-09	0.	5.800E+04
1.126E-02	1.250E-01	2.101E-04	1.140E-05	1.724E-01	6.662E-04	4.961E-02	6.772E-03	1.532E-09	0.	5.900E+04
1.206E-02	1.310E-01	2.071E-04	1.138E-05	1.854E-01	7.014E-04	4.561E-02	7.414E-03	8.222E-09	0.	6.000E+04
1.290E-02	1.372E-01	2.041E-04	1.136E-05	2.000E-01	7.376E-04	4.231E-02	8.086E-03	4.522E-09	0.	6.100E+04
1.378E-02	1.436E-01	2.021E-04	1.134E-05	2.162E-01	7.748E-04	3.961E-02	8.798E-03	2.422E-09	0.	6.200E+04
1.470E-02	1.502E-01	2.001E-04	1.132E-05	2.340E-01	8.130E-04	3.741E-02	9.550E-03	1.222E-09	0.	6.300E+04
1.566E-02	1.570E-01	1.981E-04	1.130E-05	2.534E-01	8.522E-04	3.571E-02	1.034E-02	6.222E-09	0.	6.400E+04
1.666E-02	1.640E-01	1.961E-04	1.128E-05	2.744E-01	8.924E-04	3.441E-02	1.126E-02	3.422E-09	0.	6.500E+04
1.770E-02	1.712E-01	1.941E-04	1.126E-05	2.970E-01	9.336E-04	3.341E-02	1.230E-02	1.722E-09	0.	6.600E+04
1.878E-02	1.786E-01	1.921E-04	1.124E-05	3.212E-01	9.758E-04	3.261E-02	1.346E-02	8.222E-09	0.	6.700E+04
1.990E-02	1.862E-01	1.901E-04	1.122E-05	3.470E-01	1.0190E-03	3.191E-02	1.474E-02	4.222E-09	0.	6.800E+04
2.106E-02	1.940E-01	1.881E-04	1.120E-05	3.744E-01	1					

TABLE II. - Continued

I	E-	NP3	NP2	NP	V2P2	H	H2	H2+	H+
1.300E+03	0.	9.614E-04	1.955E-09	2.635E-13	1.705E-14	1.692E-07	7.493E-01	6.235E-19	2.044E-19
1.400E+03	0.	6.565E-04	5.690E-09	2.332E-12	6.689E-14	7.440E-07	7.495E-01	5.753E-19	2.524E-19
1.500E+03	1.759E-33	4.721E-04	1.435E-08	1.543E-11	2.194E-13	2.692E-06	7.496E-01	5.290E-19	2.989E-19
1.600E+03	3.179E-30	3.542E-04	3.224E-08	6.063E-11	6.221E-13	8.314E-06	7.497E-01	4.858E-19	3.424E-19
1.700E+03	3.702E-27	2.753E-04	6.582E-08	3.468E-10	1.565E-12	2.253E-05	7.498E-01	4.464E-19	3.827E-19
1.800E+03	1.640E-24	2.204E-04	1.241E-07	1.269E-09	3.562E-12	5.474E-05	7.499E-01	4.108E-19	4.191E-19
1.900E+03	3.883E-22	1.809E-04	2.100E-07	4.050E-09	7.432E-12	1.213E-04	7.499E-01	3.792E-19	4.519E-19
2.000E+03	5.078E-20	1.516E-04	3.650E-07	1.151E-08	1.451E-11	2.485E-04	7.497E-01	3.718E-19	5.094E-19
2.100E+03	1.624E-18	1.294E-04	5.794E-07	2.962E-08	2.658E-11	4.761E-04	7.495E-01	5.494E-19	1.477E-18
2.200E+03	1.497E-17	1.122E-04	8.817E-07	6.995E-08	4.613E-11	8.403E-04	7.492E-01	5.665E-18	9.882E-18
2.300E+03	9.888E-17	9.848E-05	1.293E-06	1.533E-07	7.641E-11	1.478E-03	7.488E-01	3.346E-17	6.481E-17
2.400E+03	5.501E-16	8.745E-05	1.837E-06	3.145E-07	1.215E-10	2.427E-03	7.478E-01	1.730E-16	3.705E-16
2.500E+03	2.669E-15	7.839E-05	2.534E-06	6.092E-07	1.861E-10	3.833E-03	7.466E-01	7.942E-16	1.850E-15
2.600E+03	1.149E-14	7.084E-05	3.408E-06	1.121E-06	2.761E-10	5.844E-03	7.448E-01	3.235E-15	8.179E-15
2.700E+03	4.450E-14	6.443E-05	4.477E-06	1.970E-06	3.975E-10	8.636E-03	7.424E-01	1.189E-14	3.243E-14
2.800E+03	1.567E-13	5.890E-05	5.759E-06	3.323E-06	5.572E-10	1.241E-02	7.391E-01	3.985E-14	1.167E-13
2.900E+03	5.068E-13	5.406E-05	7.265E-06	5.400E-06	7.618E-10	1.738E-02	7.347E-01	1.229E-13	3.648E-13
3.000E+03	1.517E-12	4.976E-05	9.031E-06	8.844E-06	1.018E-09	2.378E-02	7.291E-01	3.517E-13	1.173E-12
3.100E+03	4.237E-12	4.587E-05	1.096E-05	1.292E-05	1.331E-09	3.186E-02	7.221E-01	9.403E-13	3.330E-12
3.200E+03	1.110E-11	4.231E-05	1.314E-05	1.914E-05	1.706E-09	4.185E-02	7.133E-01	2.362E-12	8.861E-12
3.300E+03	2.746E-11	3.699E-05	1.552E-05	2.761E-05	2.144E-09	5.400E-02	7.027E-01	5.606E-12	2.233E-11
3.400E+03	6.439E-11	3.588E-05	1.805E-05	3.888E-05	2.649E-09	6.851E-02	6.900E-01	1.263E-11	5.284E-11
3.500E+03	1.436E-10	3.293E-05	2.070E-05	5.352E-05	3.208E-09	8.556E-02	6.751E-01	2.709E-11	1.195E-10
3.600E+03	3.771E-10	3.011E-05	2.341E-05	7.212E-05	3.818E-09	1.053E-01	6.578E-01	5.555E-11	1.594E-10
3.700E+03	6.293E-10	2.740E-05	2.612E-05	9.526E-05	4.471E-09	1.278E-01	6.381E-01	1.093E-10	2.595E-10
3.800E+03	1.241E-09	2.480E-05	2.875E-05	1.235E-04	5.150E-09	1.530E-01	6.180E-01	2.066E-10	1.067E-09
3.900E+03	2.361E-09	2.231E-05	3.124E-05	1.572E-04	5.834E-09	1.809E-01	5.916E-01	3.768E-10	2.052E-09
4.000E+03	4.344E-09	1.992E-05	3.349E-05	1.968E-04	6.509E-09	2.113E-01	5.649E-01	6.631E-10	3.813E-09
4.100E+03	7.751E-09	1.765E-05	3.545E-05	2.424E-04	7.147E-09	2.440E-01	5.362E-01	1.130E-09	6.867E-09
4.200E+03	1.344E-08	1.552E-05	3.705E-05	2.941E-04	7.729E-09	2.787E-01	5.058E-01	1.867E-09	1.201E-08
4.300E+03	2.267E-08	1.352E-05	3.825E-05	3.516E-04	8.235E-09	3.149E-01	4.741E-01	2.994E-09	2.043E-08
4.400E+03	3.729E-08	1.167E-05	3.906E-05	4.145E-04	8.649E-09	3.522E-01	4.414E-01	4.672E-09	3.386E-08
4.500E+03	5.987E-08	9.989E-06	3.930E-05	4.824E-04	8.959E-09	3.900E-01	4.082E-01	7.059E-09	5.477E-08
4.600E+03	9.402E-08	8.470E-06	3.915E-05	5.545E-04	9.160E-09	4.279E-01	3.750E-01	1.052E-08	8.659E-08
4.700E+03	1.446E-07	7.119E-06	3.858E-05	6.300E-04	9.749E-09	4.652E-01	3.422E-01	1.523E-08	1.340E-07
4.800E+03	2.180E-07	5.933E-06	3.763E-05	7.080E-04	9.233E-09	5.015E-01	3.103E-01	2.155E-08	2.032E-07
4.900E+03	3.226E-07	4.905E-06	3.636E-05	7.878E-04	9.118E-09	5.363E-01	2.794E-01	2.985E-08	3.022E-07
5.000E+03	4.693E-07	4.027E-06	3.442E-05	8.685E-04	8.918E-09	5.692E-01	2.506E-01	4.054E-08	4.415E-07
5.100E+03	9.463E-07	2.665E-06	3.121E-05	1.030E-03	8.320E-09	6.283E-01	1.943E-01	7.082E-08	8.968E-07
5.200E+03	1.802E-06	1.732E-06	2.729E-05	1.187E-03	7.556E-09	6.774E-01	1.546E-01	1.160E-07	1.176E-06
5.300E+03	3.263E-06	1.114E-06	2.343E-05	1.336E-03	6.726E-09	7.166E-01	1.193E-01	1.799E-07	3.115E-06
5.400E+03	5.655E-06	7.145E-07	1.986E-05	1.476E-03	5.902E-09	7.467E-01	9.158E-02	2.662E-07	5.400E-06
5.500E+03	9.431E-06	4.591E-07	1.670E-05	1.606E-03	5.124E-09	7.691E-01	7.029E-02	3.791E-07	8.986E-06
5.600E+03	1.520E-05	2.968E-07	1.398E-05	1.724E-03	4.414E-09	7.851E-01	5.410E-02	5.222E-07	1.442E-05
5.700E+03	2.378E-05	1.934E-07	1.166E-05	1.828E-03	3.775E-09	7.961E-01	4.189E-02	6.994E-07	2.241E-05
5.800E+03	3.623E-05	1.272E-07	9.770E-06	1.917E-03	3.207E-09	8.030E-01	3.258E-02	9.141E-07	3.381E-05
5.900E+03	5.348E-05	8.439E-08	8.067E-06	1.989E-03	2.705E-09	8.067E-01	2.556E-02	1.170E-06	4.970E-05
6.000E+03	7.842E-05	5.647E-08	6.693E-06	2.042E-03	2.263E-09	8.079E-01	2.020E-02	1.468E-06	7.132E-05
6.100E+03	1.119E-04	3.808E-08	5.542E-06	2.075E-03	1.876E-09	8.069E-01	1.609E-02	1.812E-06	1.001E-04
6.200E+03	1.569E-04	2.586E-08	4.576E-06	2.086E-03	1.539E-09	8.043E-01	1.292E-02	2.204E-06	1.378E-04
6.300E+03	2.164E-04	1.766E-08	3.767E-06	2.075E-03	1.248E-09	8.004E-01	1.045E-02	2.644E-06	1.862E-04
6.400E+03	2.940E-04	1.212E-08	3.091E-06	2.042E-03	9.991E-10	7.956E-01	8.524E-03	3.135E-06	2.476E-04
6.500E+03	3.937E-04	8.359E-09	2.527E-06	1.988E-03	7.899E-10	7.903E-01	7.005E-03	3.679E-06	3.243E-04
6.600E+03	5.203E-04	5.791E-09	2.059E-06	1.916E-03	6.167E-10	7.846E-01	5.803E-03	4.281E-06	4.191E-04
6.700E+03	6.792E-04	4.031E-09	1.674E-06	1.829E-03	4.756E-10	7.790E-01	4.846E-03	4.945E-06	5.353E-04
6.800E+03	8.761E-04	2.821E-09	1.357E-06	1.730E-03	3.629E-10	7.737E-01	4.079E-03	5.677E-06	6.473E-04
6.900E+03	1.118E-03	1.986E-09	1.099E-06	1.625E-03	2.743E-10	7.687E-01	3.461E-03	6.484E-06	8.465E-04
7.000E+03	1.411E-03	1.407E-09	8.846E-07	1.516E-03	2.059E-10	7.643E-01	2.959E-03	7.373E-06	1.050E-03
7.100E+03	1.763E-03	1.004E-09	7.207E-07	1.407E-03	1.539E-10	7.604E-01	2.549E-03	8.351E-06	1.293E-03
7.200E+03	2.184E-03	7.216E-10	5.848E-07	1.301E-03	1.147E-10	7.569E-01	2.211E-03	9.426E-06	1.579E-03
7.300E+03	2.681E-03	5.231E-10	4.757E-07	1.199E-03	8.540E-11	7.539E-01	1.930E-03	1.060E-05	1.915E-03
7.400E+03	3.264E-03	3.823E-10	3.882E-07	1.104E-03	6.370E-11	7.513E-01	1.695E-03	1.188E-05	2.308E-03
7.500E+03	3.944E-03	2.818E-10	3.179E-07	1.016E-03	4.764E-11	7.488E-01	1.496E-03	1.327E-05	2.763E-03
7.600E+03	4.716E-03	6.910E-11	1.244E-07	6.732E-04	1.193E-11	7.378E-01	8.558E-04	1.194E-05	3.228E-03
7.700E+03	1.858E-02	2.002E-11	5.341E-08	4.571E-04	3.388E-12	7.237E-01	5.272E-04	3.336E-05	1.238E-02
7.800E+03	3.370E-02	6.507E-12	2.447E-08	3.161E-04	1.061E-12	7.022E-01	1.388E-04	4.695E-05	2.222E-02
7.900E+03	5.589E-02	2.254E-12	1.158E-08	2.191E-04	3.511E-13	6.712E-01	2.220E-04	6.148E-05	3.662E-02
8.000E+03	8.571E-02	7.970E-13	5.499E-09	1.498E-04	1.176E-13	6.292E-01	1.454E-04	7.507E-05	5.619E-02
8.100E+03	1.230E-01	2.771E-13	2.552E-09	9.399E-05	3.843E-14	5.765E-01	9.373E-05	8.557E-05	8.098E-02
8.200E+03	1.663E-01	9.194E-14	1.134E-09	6.327E-05	1.190E-14	5.146E-01	5.870E-05	9.104E-05	1.104E-01
8.300E+03	2.131E-01	2.851E-14	4.759E-10	3.833E-05	3.421E-15	4.469E-01	3.537E-05	9.051E-05	1.431E-01
8.400E+03	2.604E-01	8.175E-15	1.872E-10	2.234E-05	9.056E-16	3.774E-01	2.041E-05	8.418E-05	1.772E-01
8.500E+03	3.050E-01	2.164E-15	6.917E-11	1.206E-05	2.214E-16	3.105E-01	1.127E-05	7.358E-05	2.105E-01
8.600E+03	3.447E-01	5.381E-16	2.426E-11	6.336E-06	5.076E-17	2.501E-01	5.992E-06	6.088E-05	2.413E-01
8.700E+03	3.781E-01	1.275E-16	8.204E-12	3.236E-06	1.116E-17	1.982E-01	3.092E-06	4.815E-05	2.681E-01
8.800E+03	4.051E-01	2.956E-17	2.727E-12	1.629E-06	2.818E-18	1.557E-01	1.568E-06	3.682E-05	2.904E-01
8.900E+03	4.242E-01	6.861E-18	9.017E-13	8.190E-07	5.283E-19	1.221E-01	7.906E-07	2.752E-05	3.082E-01
9.000E+03	4.244E-01	1.628E-18	3.071E-13	4.133E-07	1.188E-19	9.605E-02	4.004E-07	2.032E-05	3.221E-01
9.100E+03	4.548E-01	4.003E-19	1.067E-13	2.140E-07	2.784E-20	7.615E-02	2.057E-07	1.489E-05	3.327E-01
9.200E+03	4.643E-01	1.030E-19	3.837E-14	1.125E-07	6.853E-21	6.102E-02	1.076E-07	1.098E-05	3.408E-01
9.300E+03	4.717E-01	2.789E-20	1.432E-14	6.049E-08	1.779E-21	4.949E-02	5.749E-08	8.127E-06	3.468E-01
9.400E+03	4.776E-01	7.949E-21	5.548E-15	3.325E-08	4.860E-22	4.064E-02	3.188E-08	6.752E-06	3.511E-01
9.500E+03	4.826E-01	2.382E-21	1.866E-15	1.866E-08	1.394E-22	3.383E-02	1.776E-08	4.571E-06	3.542E-01
9.600E+03	4.870E-01	7.485E-22	9.284E-16	1.066E-08	4.171E-23	2.850E-02	1.023E-08	3.454E-06	3.562E-01
9.700E+03	4.912E-01	2.455E-22	3.966E-1						

TABLE II.- Continued

H-	N	NZ	NZ*	N*	N-	N**	N***	N****	T
0.	1.477E-17	2.498E-01	2.447E-20	1.845E-32	0.	C.	0.	0.	1.300E+03
0.	3.474E-16	2.498E-01	2.451E-20	2.210E-31	0.	0.	0.	0.	1.400E+03
0.	5.374E-15	2.499E-01	2.415E-20	1.884E-30	0.	0.	0.	0.	1.500E+03
0.	5.913E-14	2.499E-01	2.351E-20	1.212E-29	0.	0.	0.	0.	1.600E+03
2.783E-30	4.913E-13	2.499E-01	2.272E-20	6.198E-29	0.	0.	0.	0.	1.700E+03
1.950E-27	3.230E-12	2.499E-01	2.183E-20	2.622E-28	0.	0.	0.	0.	1.800E+03
6.960E-25	1.744E-11	2.497E-01	2.092E-20	9.472E-28	0.	0.	0.	0.	1.900E+03
1.309E-22	7.961E-11	2.495E-01	2.120E-20	3.169E-27	9.764E-31	0.	0.	0.	2.000E+03
5.763E-21	3.147E-10	2.499E-01	5.573E-20	2.457E-26	1.135E-28	0.	0.	0.	2.100E+03
7.040E-20	1.099E-09	2.499E-01	3.412E-19	4.021E-25	3.397E-27	C.	0.	0.	2.200E+03
6.058E-19	3.443E-09	2.498E-01	2.063E-18	5.967E-24	6.528E-26	0.	0.	0.	2.300E+03
4.254E-18	9.813E-09	2.497E-01	1.095E-17	7.210E-23	9.627E-25	0.	0.	0.	2.400E+03
2.547E-17	2.573E-08	2.495E-01	5.102E-17	7.169E-22	1.161E-23	0.	0.	0.	2.500E+03
1.327E-16	6.267E-08	2.492E-01	2.117E-16	5.985E-21	1.116E-22	0.	0.	0.	2.600E+03
6.107E-16	1.429E-07	2.489E-01	7.919E-16	4.277E-20	9.208E-22	0.	0.	0.	2.700E+03
2.516E-15	3.073E-07	2.484E-01	2.700E-15	2.660E-19	6.525E-21	0.	0.	0.	2.800E+03
9.382E-15	6.269E-07	2.478E-01	8.470E-15	1.461E-18	4.034E-20	0.	0.	0.	2.900E+03
3.197E-14	1.219E-06	2.470E-01	2.466E-14	7.174E-17	2.205E-19	0.	0.	0.	3.000E+03
1.004E-13	2.271E-06	2.460E-01	6.705E-14	3.183E-16	1.078E-18	0.	0.	0.	3.100E+03
2.925E-13	4.067E-06	2.447E-01	1.717E-13	1.289E-16	4.780E-18	0.	0.	0.	3.200E+03
7.960E-13	7.028E-06	2.432E-01	4.155E-13	4.802E-16	1.910E-17	0.	0.	0.	3.300E+03
2.035E-12	1.175E-05	2.414E-01	9.557E-13	1.658E-15	7.098E-17	0.	0.	0.	3.400E+03
4.908E-12	1.938E-05	2.393E-01	2.098E-12	5.342E-15	2.470E-16	0.	0.	C.	3.500E+03
1.122E-11	3.012E-05	2.368E-01	4.412E-12	1.615E-14	7.749E-16	0.	0.	0.	3.600E+03
2.441E-11	4.635E-05	2.339E-01	8.919E-12	4.607E-14	2.313E-15	0.	0.	0.	3.700E+03
5.070E-11	6.967E-05	2.308E-01	1.739E-11	1.245E-13	6.497E-15	0.	0.	0.	3.800E+03
1.138E-10	1.024E-04	2.272E-01	3.279E-11	3.204E-13	1.725E-14	0.	0.	0.	3.900E+03
1.924E-10	1.476E-04	2.234E-01	5.994E-11	7.874E-12	4.344E-14	C.	0.	0.	4.000E+03
3.536E-10	2.388E-04	2.192E-01	1.065E-10	1.858E-12	1.042E-13	0.	0.	0.	4.100E+03
6.267E-10	2.901E-04	2.144E-01	1.842E-10	4.205E-12	2.387E-13	C.	0.	0.	4.200E+03
1.074E-09	3.966E-04	2.102E-01	3.110E-10	9.191E-12	5.243E-13	0.	0.	0.	4.300E+03
1.761E-09	5.341E-04	2.054E-01	5.344E-10	1.943E-11	1.106E-12	0.	0.	0.	4.400E+03
2.866E-09	7.092E-04	2.005E-01	8.299E-10	3.980E-11	2.29CE-12	0.	0.	0.	4.500E+03
4.482E-09	9.295E-04	1.956E-01	1.316E-09	7.922E-11	4.415E-12	0.	0.	C.	4.600E+03
6.823E-09	1.204E-03	1.908E-01	2.050E-09	1.535E-10	8.401E-12	0.	0.	0.	4.700E+03
1.012E-08	1.541E-03	1.860E-01	3.143E-09	2.900E-10	1.549E-11	0.	0.	0.	4.800E+03
1.467E-08	1.954E-03	1.813E-01	4.745E-09	5.353E-10	2.792E-11	0.	0.	0.	4.900E+03
2.376E-08	2.453E-03	1.769E-01	7.084E-09	9.665E-10	4.880E-11	0.	0.	0.	5.000E+03
3.923E-08	3.165E-03	1.686E-01	1.507E-08	2.966E-09	1.388E-10	C.	0.	0.	5.100E+03
6.050E-08	5.004E-03	1.612E-01	3.070E-08	8.452E-09	3.621E-10	0.	0.	0.	5.200E+03
1.136E-07	8.114E-03	1.547E-01	5.499E-08	2.253E-08	8.760E-10	C.	0.	0.	5.300E+03
1.765E-07	1.146E-02	1.488E-01	1.127E-07	5.650E-08	1.983E-09	0.	0.	0.	5.400E+03
2.680E-07	1.581E-02	1.432E-01	2.037E-07	1.338E-07	4.227E-09	7.315E-26	C.	0.	5.500E+03
3.878E-07	2.135E-02	1.376E-01	3.545E-07	3.004E-07	8.540E-09	4.999E-25	0.	0.	5.600E+03
5.440E-07	2.824E-02	1.319E-01	5.981E-07	6.415E-07	1.443E-08	5.830E-24	0.	0.	5.700E+03
7.426E-07	3.665E-02	1.254E-01	9.653E-07	1.336E-06	3.021E-08	4.272E-23	0.	0.	5.800E+03
9.920E-07	4.605E-02	1.193E-01	1.508E-06	2.542E-06	5.527E-08	2.779E-22	0.	0.	5.900E+03
1.295E-06	5.800E-02	1.117E-01	2.272E-06	4.740E-06	9.233E-08	1.618E-21	0.	0.	6.000E+03
1.668E-06	7.109E-02	1.036E-01	3.322E-06	8.485E-06	1.476E-07	8.490E-21	0.	0.	6.100E+03
2.100E-06	8.944E-02	9.445E-02	4.632E-06	1.461E-05	3.239E-07	4.945E-20	0.	0.	6.200E+03
2.615E-06	1.108E-01	8.579E-02	6.271E-06	2.423E-05	3.554E-07	1.760E-19	0.	0.	6.300E+03
3.214E-06	1.409E-01	7.634E-02	8.197E-06	3.880E-05	5.253E-07	7.038E-19	0.	0.	6.400E+03
3.943E-06	1.811E-01	6.685E-02	1.035E-05	6.005E-05	7.524E-07	2.600E-18	0.	0.	6.500E+03
4.889E-06	2.340E-01	5.754E-02	1.265E-05	9.002E-05	1.048E-06	8.917E-18	0.	0.	6.600E+03
5.980E-06	3.041E-01	4.881E-02	1.497E-05	1.309E-04	1.474E-06	2.855E-17	0.	0.	6.700E+03
6.380E-06	3.760E-01	4.074E-02	1.719E-05	1.853E-04	1.870E-06	8.574E-17	0.	0.	6.800E+03
7.656E-06	4.547E-01	3.355E-02	1.923E-05	2.554E-04	2.408E-06	2.427E-16	0.	0.	6.900E+03
8.433E-06	5.211E-01	2.731E-02	2.099E-05	3.441E-04	3.032E-06	6.507E-16	0.	0.	7.000E+03
1.036E-05	6.111E-01	2.203E-02	2.245E-05	4.540E-04	3.742E-06	1.659E-15	0.	0.	7.100E+03
1.179E-05	7.175E-01	1.766E-02	2.356E-05	5.880E-04	4.538E-06	4.342E-15	0.	0.	7.200E+03
1.342E-05	8.235E-01	1.404E-02	2.444E-05	7.492E-04	5.419E-06	9.444E-15	0.	0.	7.300E+03
1.518E-05	9.282E-01	1.122E-02	2.503E-05	9.438E-04	6.303E-06	2.123E-14	0.	0.	7.400E+03
1.707E-05	1.031E-01	8.936E-03	2.535E-05	1.166E-03	7.429E-06	4.607E-14	0.	0.	7.500E+03
2.050E-05	1.142E-01	2.965E-03	2.537E-05	1.383E-03	1.383E-05	1.421E-12	0.	0.	7.600E+03
2.463E-05	1.260E-01	1.005E-03	2.312E-05	1.607E-03	2.186E-05	2.452E-11	0.	0.	7.700E+03
2.940E-05	1.291E-01	4.356E-04	2.057E-05	1.151E-02	3.067E-05	2.734E-10	0.	0.	7.800E+03
3.276E-05	1.163E-01	1.870E-04	1.769E-05	1.926E-02	3.884E-05	2.168E-09	2.590E-23	0.	7.900E+03
3.631E-05	1.487E-01	8.349E-05	1.462E-05	2.955E-02	4.499E-05	1.308E-08	1.669E-21	0.	8.000E+03
4.060E-05	1.770E-01	3.782E-05	1.154E-05	4.206E-02	4.769E-05	6.313E-08	6.561E-20	0.	8.100E+03
4.542E-05	1.524E-01	1.704E-05	8.613E-06	5.595E-02	4.642E-05	2.532E-07	1.723E-18	C.	8.200E+03
4.999E-05	1.266E-01	7.537E-06	6.040E-06	7.077E-02	4.159E-05	8.701E-07	7.239E-17	0.	8.300E+03
5.289E-05	1.317E-01	3.257E-06	4.080E-06	8.321E-02	3.475E-05	2.624E-06	4.612E-16	C.	8.400E+03
5.936E-05	7.924E-02	1.368E-06	2.607E-06	9.445E-02	2.714E-05	7.793E-06	5.195E-15	0.	8.500E+03
6.484E-05	6.447E-02	5.668E-07	1.608E-06	1.033E-01	2.011E-05	1.748E-05	4.796E-14	0.	8.600E+03
3.342E-05	4.551E-02	2.339E-07	9.696E-07	1.099E-01	1.434E-05	3.987E-05	7.729E-13	0.	8.700E+03
2.433E-05	3.409E-02	9.734E-08	5.796E-07	1.146E-01	9.989E-06	8.514E-05	2.496E-12	0.	8.800E+03
1.716E-05	2.580E-02	4.132E-08	3.472E-07	1.177E-01	6.877E-06	1.717E-04	1.467E-11	0.	8.900E+03
1.149E-05	1.937E-02	1.603E-08	2.101E-07	1.197E-01	4.725E-06	3.295E-04	7.630E-11	0.	9.000E+03
6.362E-06	1.462E-02	8.121E-09	1.290E-07	1.209E-01	3.263E-06	6.046E-04	3.433E-10	0.	9.100E+03
5.845E-06	1.147E-02	3.780E-09	8.046E-08	1.216E-01	2.273E-06	1.065E-03	1.495E-09	0.	9.200E+03
4.146E-06	8.993E-03	1.810E-09	5.101E-08	1.213E-01	1.601E-06	1.805E-03	5.749E-09	0.	9.300E+03
3.029E-06	7.126E-03	8.981E-10	3.477E-08	1.235E-01	1.140E-06	7.944E-03	2.279E-08	0.	9.400E+03
2.211E-06	5.694E-03	4.550E-10	1.266E-08	1.197E-01	8.207E-07	4.652E-03	6.001E-08	0.	9.500E+03
1.647E-06	4.586E-03	2.345E-10	1.387E-08	1.166E-01	5.959E-07	7.088E-03	1.989E-07	0.	9.600E+03
1.246E-06	3.703E-03	1.228E-10	9.046E-09	1.131E-01	4.355E-07	1.043E-02	5.563E-07	0.	9.700E+03
9.642E-07	2.933E-03	6.457E-11	5.667E-09	1.087E-01	3.154E-07	1.480E-02	1.444E-06	0.	9.800E+03
7.583E-07	2.408E-03	3.394E-11	3.763E-09	1.024E-01	2.344E-07	2.027E-02	2.519E-06	0.	9.900E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	5.045E-01	1.069E-23	3.559E-17	1.201E-09	4.461E-25	1.594E-02	1.421E-09	1.250E-06	3.557E-01
3.600E+04	5.093E-01	3.969E-24	1.649E-17	7.639E-10	1.409E-25	1.409E-02	9.133E-10	9.981E-07	3.540E-01
3.700E+04	5.142E-01	1.505E-24	7.743E-18	4.559E-10	4.995E-26	1.255E-02	5.974E-10	7.987E-07	3.510E-01
3.800E+04	5.190E-01	5.818E-25	3.663E-18	2.720E-10	1.680E-26	1.124E-02	3.970E-10	6.443E-07	3.495E-01
3.900E+04	5.237E-01	2.249E-25	1.750E-18	1.622E-10	5.666E-27	1.013E-02	2.691E-10	5.239E-07	3.471E-01
4.000E+04	5.281E-01	9.164E-26	8.433E-19	9.681E-11	1.919E-27	9.177E-03	1.840E-10	4.293E-07	3.448E-01
4.100E+04	5.321E-01	3.735E-26	4.106E-19	5.787E-11	4.530E-28	8.353E-03	1.287E-10	3.545E-07	3.426E-01
4.200E+04	5.358E-01	1.550E-26	2.022E-19	3.471E-11	2.248E-28	7.637E-03	9.080E-11	2.949E-07	3.407E-01
4.300E+04	5.398E-01	6.558E-27	1.008E-19	2.091E-11	7.824E-29	7.011E-03	6.499E-11	2.471E-07	3.389E-01
4.400E+04	5.415E-01	2.828E-27	5.090E-20	1.268E-11	2.762E-29	6.459E-03	4.703E-11	2.084E-07	3.374E-01
4.500E+04	5.440E-01	1.244E-27	2.606E-20	7.740E-12	9.907E-30	5.971E-03	3.443E-11	1.769E-07	3.361E-01
4.600E+04	5.461E-01	5.579E-28	1.353E-20	4.761E-12	3.615E-30	5.537E-03	2.547E-11	1.511E-07	3.349E-01
4.700E+04	5.481E-01	2.550E-28	7.122E-21	2.952E-12	1.343E-30	5.149E-03	1.904E-11	1.297E-07	3.338E-01
4.800E+04	5.500E-01	1.147E-28	3.799E-21	1.8.4E-12	5.973E-31	4.800E-03	1.430E-11	1.119E-07	3.327E-01
4.900E+04	5.518E-01	5.622E-29	2.052E-21	1.161E-12	0.	4.486E-03	1.093E-11	9.693E-08	3.316E-01
5.000E+04	5.537E-01	2.706E-29	1.122E-21	7.357E-13	0.	4.201E-03	8.393E-12	8.434E-08	3.305E-01

P/PO = 3.40E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	5.872E-01	1.565E-20	6.670E-35	1.610E-28	6.692E-22	3.096E-01	1.344E-18	1.154E-21
6.000E+02	0.	2.445E-01	2.941E-17	6.805E-29	2.262E-24	6.201E-18	5.666E-01	1.047E-18	3.596E-21
7.000E+02	0.	7.793E-02	4.409E-15	1.055E-24	1.259E-21	3.620E-15	6.916E-01	8.968E-19	9.441E-21
8.000E+02	0.	2.650E-02	1.604E-12	1.333E-21	1.172E-19	4.257E-13	7.301E-01	6.376E-19	2.161E-20
9.000E+02	0.	1.067E-02	2.519E-12	3.952E-19	3.758E-18	1.730E-11	7.420E-01	8.604E-19	4.224E-20
1.000E+03	0.	5.033E-03	2.226E-11	2.770E-17	5.925E-17	3.366E-10	7.462E-01	7.632E-19	7.190E-20
1.100E+03	0.	2.694E-03	1.320E-10	1.021E-15	5.638E-16	3.837E-09	7.480E-01	7.216E-19	1.070E-19
1.200E+03	0.	1.594E-03	5.785E-10	2.060E-14	3.688E-15	2.929E-08	7.488E-01	6.755E-19	1.531E-19
1.300E+03	0.	1.021E-03	2.015E-09	2.635E-13	1.811E-14	1.642E-07	7.492E-01	6.281E-19	1.997E-19
1.400E+03	0.	6.974E-04	5.985E-09	2.332E-12	7.100E-14	7.217E-07	7.495E-01	5.804E-19	2.471E-19
1.500E+03	0.	3.638E-04	1.479E-08	1.543E-11	2.331E-13	2.612E-06	7.496E-01	5.344E-19	2.930E-19
1.600E+03	0.	3.700E-04	3.764E-04	3.323E-08	8.062E-11	6.616E-13	7.495E-01	4.917E-19	3.364E-19
1.700E+03	0.	3.438E-04	2.925E-04	6.785E-08	3.486E-10	1.661E-12	7.498E-01	4.524E-19	3.764E-19
1.800E+03	0.	1.521E-04	2.342E-04	1.240E-07	1.269E-09	3.784E-12	7.498E-01	4.169E-19	4.127E-19
1.900E+03	0.	3.597E-04	1.922E-04	2.257E-07	4.050E-09	7.896E-12	7.498E-01	3.853E-19	4.455E-19
2.000E+03	0.	4.717E-04	1.611E-04	3.762E-07	1.151E-08	1.542E-11	7.497E-01	3.764E-19	5.008E-19
2.100E+03	0.	1.549E-04	1.375E-04	5.972E-07	2.962E-08	2.824E-11	7.495E-01	3.372E-19	1.614E-18
2.200E+03	0.	1.437E-04	1.192E-04	9.089E-07	6.995E-08	4.901E-11	7.492E-01	5.555E-18	9.400E-18
2.300E+03	0.	4.471E-04	1.046E-04	1.333E-06	1.533E-07	8.119E-11	7.487E-01	3.279E-17	6.161E-17
2.400E+03	0.	5.283E-04	9.293E-05	1.893E-06	3.145E-07	1.291E-10	7.479E-01	1.703E-16	3.523E-16
2.500E+03	0.	2.562E-05	8.331E-05	2.612E-06	6.092E-07	1.978E-10	7.467E-01	7.787E-16	1.760E-15
2.600E+03	0.	1.133E-04	7.529E-05	3.513E-06	1.121E-06	2.934E-10	7.450E-01	3.173E-15	7.782E-15
2.700E+03	0.	4.270E-04	6.849E-05	4.616E-06	1.970E-06	4.226E-10	7.424E-01	1.166E-14	3.087E-14
2.800E+03	0.	1.504E-03	6.263E-05	5.939E-06	3.324E-06	5.923E-10	7.394E-01	3.911E-14	1.111E-13
2.900E+03	0.	4.861E-03	5.750E-05	7.444E-06	5.402E-06	8.101E-10	7.352E-01	1.207E-13	3.664E-13
3.000E+03	0.	1.455E-02	5.294E-05	9.287E-06	6.489E-06	1.083E-09	7.298E-01	3.455E-13	1.117E-12
3.100E+03	0.	4.063E-02	4.883E-05	1.132E-05	1.293E-05	1.417E-09	7.229E-01	9.240E-13	3.172E-12
3.200E+03	0.	1.065E-01	4.506E-05	1.357E-05	1.916E-05	1.816E-09	7.144E-01	3.322E-12	8.444E-12
3.300E+03	0.	2.633E-01	4.157E-05	1.603E-05	2.765E-05	2.284E-09	7.041E-01	5.514E-12	2.119E-11
3.400E+03	0.	6.174E-01	3.824E-05	1.886E-05	3.895E-05	2.820E-09	6.955E-01	6.917E-11	5.03E-11
3.500E+03	0.	1.379E-01	3.517E-05	2.142E-05	5.363E-05	3.421E-09	6.834E-01	2.667E-11	1.140E-10
3.600E+03	0.	2.945E-01	3.220E-05	2.425E-05	7.231E-05	4.079E-09	6.604E-01	5.474E-11	2.465E-10
3.700E+03	0.	6.035E-01	2.935E-05	2.708E-05	9.586E-05	4.782E-09	6.412E-01	1.077E-10	5.111E-10
3.800E+03	0.	1.190E-01	2.661E-05	2.985E-05	1.240E-04	5.516E-09	6.196E-01	2.039E-10	1.019E-09
3.900E+03	0.	2.264E-01	2.398E-05	3.247E-05	1.580E-04	6.261E-09	5.957E-01	3.721E-10	1.960E-09
4.000E+03	0.	4.168E-01	2.147E-05	3.487E-05	1.979E-04	6.945E-09	5.697E-01	6.554E-10	3.644E-09
4.100E+03	0.	7.439E-01	1.907E-05	3.697E-05	2.441E-04	7.646E-09	5.416E-01	1.119E-09	6.545E-09
4.200E+03	0.	1.290E-01	1.681E-05	3.872E-05	2.964E-04	8.340E-09	5.117E-01	1.851E-09	1.149E-08
4.300E+03	0.	2.177E-01	1.469E-05	4.004E-05	3.547E-04	9.070E-09	4.805E-01	2.974E-09	1.955E-08
4.400E+03	0.	3.582E-01	1.273E-05	4.092E-05	4.188E-04	9.738E-09	4.483E-01	4.648E-09	3.242E-08
4.500E+03	0.	5.753E-01	1.093E-05	4.133E-05	4.879E-04	9.739E-09	4.153E-01	7.075E-09	5.249E-08
4.600E+03	0.	9.042E-01	9.298E-06	4.128E-05	5.616E-04	9.983E-09	4.192E-01	3.825E-01	8.304E-08
4.700E+03	0.	1.391E-01	7.844E-06	4.078E-05	6.389E-04	1.011E-08	3.499E-01	1.523E-08	1.286E-07
4.800E+03	0.	2.099E-01	6.562E-06	3.989E-05	7.191E-04	1.012E-08	4.926E-01	3.180E-01	1.951E-07
4.900E+03	0.	3.108E-01	5.447E-06	3.864E-05	8.011E-04	1.002E-08	5.274E-01	2.874E-01	2.904E-07
5.000E+03	0.	4.523E-01	4.489E-06	3.710E-05	8.843E-04	9.825E-09	5.605E-01	2.582E-01	4.246E-07
5.100E+03	0.	6.130E-01	2.993E-06	3.542E-05	1.051E-03	9.212E-09	6.202E-01	2.054E-01	7.154E-08
5.200E+03	0.	1.740E-01	1.959E-06	2.935E-05	1.214E-03	8.473E-09	6.703E-01	1.608E-01	1.176E-07
5.300E+03	0.	3.154E-01	1.268E-06	2.530E-05	1.370E-03	7.509E-09	7.106E-01	1.246E-01	1.830E-07
5.400E+03	0.	5.470E-01	6.171E-07	2.152E-05	1.516E-03	6.610E-09	7.417E-01	4.601E-02	2.716E-07
5.500E+03	0.	9.120E-01	5.274E-07	1.815E-05	1.651E-03	5.755E-09	7.651E-01	7.391E-02	3.876E-07
5.600E+03	0.	1.472E-01	3.422E-07	1.522E-05	1.774E-03	4.969E-09	7.820E-01	5.702E-02	5.350E-07
5.700E+03	0.	2.304E-01	2.237E-07	1.273E-05	1.883E-03	4.260E-09	7.937E-01	4.420E-02	7.177E-07
5.800E+03	0.	3.513E-01	1.475E-07	1.062E-05	1.977E-03	3.628E-09	8.013E-01	3.447E-02	9.393E-07
5.900E+03	0.	5.221E-01	9.811E-08	8.841E-06	2.054E-03	3.067E-09	8.059E-01	2.707E-02	1.203E-06
6.000E+03	0.	7.600E-01	6.581E-08	7.349E-06	2.112E-03	2.572E-09	8.071E-01	2.142E-02	1.512E-06
7.000E+03	0.	1.065E-01	4.449E-08	6.049E-06	2.149E-03	2.138E-09	8.065E-01	1.708E-02	1.860E-06
7.200E+03	0.	1.521E-01	3.027E-08	5.043E-06	2.164E-03	1.759E-09	8.042E-01	1.372E-02	2.273E-06
7.400E+03	0.	2.048E-01	2.072E-08	4.160E-06	2.156E-03	1.431E-09	8.006E-01	1.111E-02	2.729E-06
7.600E+03	0.	2.649E-01	1.426E-08	3.420E-06	2.125E-03	1.150E-09	7.960E-01	9.066E-03	3.238E-06
7.800E+03	0.	3.816E-01	9.855E-09	2.802E-06	2.073E-03	5.128E-10	7.908E-01	7.454E-03	3.801E-06
8.000E+03	0.	5.244E-01	6.843E-09	2.288E-06	2.002E-03	7.154E-10	7.853E-01	6.176E-03	4.424E-06
8.200E+03	0.	6.943E-01	4.774E-09	1.864E-06	1.915E-03	5.540E-10	7.798E-01	5.158E-03	5.111E-06
8.400E+03	0.	8.442E-01	3.347E-09	1.514E-06	1.815E-03	4.243E-10	7.744E-01	4.342E-03	6.574E-06
8									

TABLE II. - Continued

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
6.071E-07	1.927E-03	1.773E-11	2.374E-09	9.518E-02	1.717E-07	2.677E-02	7.998E-04	7.394E-13	3.500E+04
4.944E-07	1.530E-03	9.167E-12	1.469E-09	4.702E-02	1.252E-07	3.412E-02	1.705E-05	3.348E-12	3.600E+04
4.090E-07	1.203E-03	4.676E-12	6.897E-10	7.820E-02	9.070E-08	4.202E-02	3.422E-05	1.371E-11	3.700E+04
3.435E-07	9.371E-04	2.351E-12	5.273E-10	6.912E-02	6.526E-08	5.011E-02	6.496E-05	5.117E-11	3.800E+04
2.923E-07	7.228E-04	1.166E-12	3.064E-10	6.019E-02	4.663E-08	5.804E-02	1.172E-04	1.755E-10	3.900E+04
2.517E-07	5.529E-04	5.720E-13	1.750E-10	5.174E-02	3.311E-08	6.548E-02	2.018E-04	5.573E-10	4.000E+04
2.192E-07	4.202E-04	2.763E-13	9.868E-11	4.401E-02	2.340E-08	7.227E-02	3.337E-04	1.651E-09	4.100E+04
1.927E-07	3.177E-04	1.348E-13	5.513E-11	3.712E-02	1.648E-08	7.812E-02	5.319E-04	4.593E-09	4.200E+04
1.709E-07	2.396E-04	6.519E-14	3.064E-11	3.113E-02	1.160E-08	8.312E-02	8.200E-04	1.207E-08	4.300E+04
1.528E-07	1.803E-04	3.159E-14	1.700E-11	2.600E-02	8.159E-09	8.721E-02	1.231E-03	3.014E-08	4.400E+04
1.375E-07	1.358E-04	1.538E-14	9.435E-12	2.166E-02	5.749E-09	9.042E-02	1.798E-03	7.176E-08	4.500E+04
1.246E-07	1.023E-04	7.538E-15	4.251E-12	1.802E-02	4.061E-09	9.278E-02	2.565E-03	1.636E-07	4.600E+04
1.134E-07	7.717E-05	3.720E-15	2.934E-12	1.498E-02	2.878E-09	9.433E-02	3.581E-03	3.579E-07	4.700E+04
1.038E-07	5.833E-05	1.849E-15	1.646E-12	1.245E-02	2.046E-09	9.509E-02	4.899E-03	7.538E-07	4.800E+04
9.547E-08	4.415E-05	9.267E-16	9.275E-13	1.035E-02	1.459E-09	9.507E-02	6.571E-03	1.531E-06	4.900E+04
8.806E-08	3.347E-05	4.675E-16	5.243E-13	8.595E-03	1.044E-09	9.430E-02	8.649E-03	3.003E-06	5.000E+04

P/P0 = 3.40E+01

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	1.032E-01	5.422E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.889E-01	9.017E-21	0.	0.	0.	0.	0.	6.700E+02
0.	0.	2.305E-01	1.173E-20	0.	0.	0.	0.	0.	7.300E+02
0.	1.534E-29	2.434E-01	1.492E-20	0.	0.	0.	0.	0.	8.000E+02
0.	4.371E-26	2.473E-01	1.807E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.544E-23	2.487E-01	2.074E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.671E-21	2.493E-01	2.274E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.613E-19	2.496E-01	2.432E-20	9.735E-34	0.	0.	0.	0.	1.200E+03
0.	1.433E-17	2.497E-01	2.464E-20	1.803E-32	0.	0.	0.	0.	1.300E+03
0.	3.370E-16	2.498E-01	2.473E-20	2.171E-31	0.	0.	0.	0.	1.400E+03
0.	5.213E-15	2.499E-01	2.444E-20	1.849E-30	0.	0.	0.	0.	1.500E+03
0.	5.736E-14	2.499E-01	2.380E-20	1.193E-29	0.	0.	0.	0.	1.600E+03
2.666E-30	4.766E-13	2.499E-01	2.303E-20	6.055E-29	0.	0.	0.	0.	1.700E+03
1.864E-27	3.134E-12	2.499E-01	2.214E-20	2.582E-28	0.	0.	0.	0.	1.800E+03
6.646E-25	1.992E-11	2.499E-01	2.126E-20	9.337E-28	0.	0.	0.	0.	1.900E+03
1.254E-22	7.723E-11	2.499E-01	2.147E-20	3.115E-27	9.350E-31	0.	0.	0.	2.000E+03
5.666E-21	3.753E-10	2.499E-01	5.501E-20	2.352E-26	1.115E-28	0.	0.	0.	2.100E+03
7.006E-20	1.086E-09	2.499E-01	3.331E-19	3.825E-25	3.362E-27	0.	0.	0.	2.200E+03
5.948E-19	3.343E-09	2.498E-01	2.022E-18	5.672E-24	6.464E-26	0.	0.	0.	2.300E+03
4.211E-18	9.202E-09	2.497E-01	1.075E-17	6.856E-23	4.529E-25	0.	0.	0.	2.400E+03
2.521E-17	2.495E-08	2.495E-01	5.032E-17	6.818E-22	1.125E-23	0.	0.	0.	2.500E+03
1.313E-16	6.380E-08	2.493E-01	2.076E-16	5.654E-21	1.104E-22	0.	0.	0.	2.600E+03
6.402E-16	1.387E-07	2.489E-01	7.768E-16	4.070E-20	9.138E-22	0.	0.	0.	2.700E+03
2.439E-15	2.931E-07	2.485E-01	2.649E-15	2.532E-19	6.453E-21	0.	0.	0.	2.800E+03
9.278E-15	6.201E-07	2.479E-01	3.131E-15	1.391E-18	3.989E-20	0.	0.	0.	2.900E+03
3.161E-14	1.183E-06	2.471E-01	7.421E-14	6.831E-18	2.182E-19	0.	0.	0.	3.000E+03
4.926E-14	2.233E-06	2.461E-01	6.588E-14	3.032E-17	1.065E-18	0.	0.	0.	3.100E+03
2.849E-13	3.947E-06	2.449E-01	1.686E-13	1.228E-16	4.704E-18	0.	0.	0.	3.200E+03
7.676E-13	6.821E-06	2.434E-01	4.042E-13	4.575E-16	1.894E-17	0.	0.	0.	3.300E+03
2.013E-12	1.141E-05	2.416E-01	9.391E-13	1.580E-15	7.012E-17	0.	0.	0.	3.400E+03
4.854E-12	1.672E-05	2.396E-01	2.062E-12	5.091E-15	2.403E-16	0.	0.	0.	3.500E+03
1.111E-11	2.924E-05	2.371E-01	4.337E-12	1.534E-14	7.665E-16	0.	0.	0.	3.600E+03
2.419E-11	4.501E-05	2.344E-01	8.770E-12	4.390E-14	2.284E-15	0.	0.	0.	3.700E+03
5.027E-11	4.766E-05	2.313E-01	1.710E-11	1.187E-13	6.430E-15	0.	0.	0.	3.800E+03
1.000E-10	9.492E-05	2.278E-01	3.226E-11	3.053E-13	1.707E-14	0.	0.	0.	3.900E+03
1.911E-10	1.434E-04	2.241E-01	5.896E-11	7.405E-13	4.332E-14	0.	0.	0.	4.000E+03
3.516E-10	2.029E-04	2.200E-01	1.048E-10	1.768E-12	1.032E-13	0.	0.	0.	4.100E+03
6.238E-10	2.820E-04	2.157E-01	1.813E-10	4.007E-12	2.367E-13	0.	0.	0.	4.200E+03
1.070E-09	3.896E-04	2.111E-01	3.061E-10	8.757E-12	5.202E-13	0.	0.	0.	4.300E+03
1.778E-09	5.194E-04	2.064E-01	5.052E-10	1.851E-11	1.094E-12	0.	0.	0.	4.400E+03
2.865E-09	6.998E-04	2.016E-01	8.168E-10	3.791E-11	2.235E-12	0.	0.	0.	4.500E+03
4.488E-09	9.743E-04	1.967E-01	1.295E-09	7.543E-11	4.393E-12	0.	0.	0.	4.600E+03
6.843E-09	1.317E-03	1.919E-01	2.017E-09	1.461E-10	8.356E-12	0.	0.	0.	4.700E+03
1.017E-08	1.530E-03	1.871E-01	3.051E-09	2.757E-10	1.542E-11	0.	0.	0.	4.800E+03
1.476E-08	1.931E-03	1.825E-01	4.665E-09	5.092E-10	2.779E-11	0.	0.	0.	4.900E+03
2.055E-08	2.347E-03	1.740E-01	6.942E-09	9.186E-10	4.464E-11	0.	0.	0.	5.000E+03
3.970E-08	3.664E-03	1.698E-01	1.479E-08	2.415E-09	1.384E-10	0.	0.	0.	5.200E+03
6.446E-08	5.453E-03	1.622E-01	3.010E-08	8.015E-09	3.615E-10	0.	0.	0.	5.400E+03
1.159E-07	7.894E-03	1.556E-01	5.874E-08	2.135E-08	4.753E-10	0.	0.	0.	5.600E+03
1.822E-07	1.115E-02	1.495E-01	1.102E-07	5.347E-08	1.982E-09	0.	0.	0.	5.800E+03
2.742E-07	1.538E-02	1.434E-01	1.491E-07	1.266E-07	4.228E-09	6.728E-26	0.	0.	6.000E+03
3.974E-07	2.077E-02	1.384E-01	3.468E-07	2.841E-07	8.346E-09	6.431E-25	0.	0.	6.200E+03
5.582E-07	2.747E-02	1.327E-01	5.824E-07	6.064E-07	1.645E-08	5.355E-24	0.	0.	6.400E+03
7.630E-07	3.583E-02	1.266E-01	9.437E-07	1.235E-06	3.026E-08	4.924E-23	0.	0.	6.600E+03
1.019E-06	4.732E-02	1.194E-01	1.475E-06	2.404E-06	5.341E-08	2.553E-22	0.	0.	6.800E+03
1.332E-06	6.258E-02	1.127E-01	2.226E-06	4.486E-06	9.063E-08	1.487E-21	0.	0.	7.000E+03
1.711E-06	8.493E-02	1.047E-01	3.241E-06	8.037E-06	1.483E-07	7.809E-21	0.	0.	7.200E+03
2.163E-06	1.134E-01	9.618E-02	4.557E-06	1.385E-05	2.342E-07	3.724E-20	0.	0.	7.400E+03
2.694E-06	1.584E-01	8.714E-02	6.185E-06	2.301E-05	3.579E-07	1.623E-19	0.	0.	7.600E+03
3.311E-06	2.144E-01	7.778E-02	8.110E-06	3.689E-05	5.297E-07	6.499E-19	0.	0.	7.800E+03
4.022E-06	2.835E-01	6.834E-02	1.028E-05	5.719E-05	7.805E-07	2.404E-18	0.	0.	8.000E+03
4.833E-06	3.704E-01	5.908E-02	1.260E-05	8.589E-05	1.106E-06	8.262E-18	0.	0.	8.200E+03
5.752E-06	4.816E-01	5.027E-02	1.497E-05	1.252E-04	1.438E-06	2.650E-17	0.	0.	8.400E+03
6.783E-06	6.179E-01	4.213E-02	1.726E-05	1.774E-04	1.900E-06	7.973E-17	0.	0.	8.600E+03
7.934E-06	7.881E-01	3.483E-02	1.937E-05	2.451E-04	2.451E-06	2.261E-16	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	1.368E-03	1.675E-09	9.961E-07	1.596E-03	2.426E-10	7.650E-01	3.150E-03	7.618E-06	1.020E-03
9.200E+03	1.710E-03	1.197E-09	8.081E-07	1.484E-03	1.818E-10	7.610E-01	2.713E-03	6.627E-06	1.256E-03
9.400E+03	2.118E-03	8.616E-10	6.546E-07	1.374E-03	1.359E-10	7.575E-01	2.353E-03	5.734E-06	1.534E-03
9.600E+03	2.600E-03	6.252E-10	5.348E-07	1.268E-03	1.014E-10	7.544E-01	2.054E-03	5.095E-06	1.860E-03
9.800E+03	3.164E-03	4.574E-10	4.368E-07	1.169E-03	7.582E-11	7.517E-01	1.803E-03	4.527E-06	2.241E-03
1.000E+04	3.829E-03	3.374E-10	3.580E-07	1.076E-03	5.680E-11	7.492E-01	1.592E-03	4.037E-06	2.683E-03
1.100E+04	4.603E-03	2.497E-10	2.905E-07	1.000E-03	4.300E-11	7.483E-01	1.404E-03	3.644E-06	3.194E-03
1.200E+04	5.493E-03	1.803E-10	2.411E-11	9.047E-08	3.244E-11	7.483E-01	1.244E-03	3.311E-06	3.777E-03
1.300E+04	6.493E-03	1.303E-10	2.077E-08	8.373E-08	2.444E-11	7.483E-01	1.111E-03	3.011E-06	4.427E-03
1.400E+04	7.603E-03	9.775E-11	1.822E-08	7.777E-08	1.844E-11	7.483E-01	1.000E-03	2.777E-06	5.177E-03
1.500E+04	8.833E-03	7.275E-11	1.577E-08	7.275E-08	1.444E-11	7.483E-01	9.000E-04	2.555E-06	6.000E-03
1.600E+04	1.018E-02	5.436E-11	1.322E-08	6.800E-08	1.111E-11	7.483E-01	8.111E-04	2.333E-06	6.911E-03
1.700E+04	1.168E-02	4.036E-11	1.077E-08	6.400E-08	8.333E-12	7.483E-01	7.333E-04	2.111E-06	7.911E-03
1.800E+04	1.333E-02	2.936E-11	8.322E-09	6.000E-08	6.111E-12	7.483E-01	6.611E-04	1.911E-06	9.011E-03
1.900E+04	1.513E-02	2.136E-11	6.077E-09	5.600E-08	4.555E-12	7.483E-01	6.000E-04	1.711E-06	1.021E-02
2.000E+04	1.708E-02	1.536E-11	4.477E-09	5.200E-08	3.333E-12	7.483E-01	5.444E-04	1.511E-06	1.141E-02
2.100E+04	1.918E-02	1.106E-11	3.277E-09	4.800E-08	2.444E-12	7.483E-01	4.933E-04	1.311E-06	1.271E-02
2.200E+04	2.143E-02	8.066E-12	2.400E-09	4.400E-08	1.800E-12	7.483E-01	4.500E-04	1.111E-06	1.411E-02
2.300E+04	2.383E-02	5.936E-12	1.777E-09	4.000E-08	1.333E-12	7.483E-01	4.111E-04	1.000E-06	1.561E-02
2.400E+04	2.638E-02	4.366E-12	1.300E-09	3.600E-08	1.000E-12	7.483E-01	3.777E-04	9.000E-07	1.721E-02
2.500E+04	2.908E-02	3.206E-12	9.600E-10	3.200E-08	7.333E-13	7.483E-01	3.444E-04	8.111E-07	1.891E-02
2.600E+04	3.193E-02	2.306E-12	7.000E-10	2.800E-08	5.444E-13	7.483E-01	3.111E-04	7.333E-07	2.071E-02
2.700E+04	3.493E-02	1.686E-12	5.100E-10	2.400E-08	4.000E-13	7.483E-01	2.800E-04	6.611E-07	2.261E-02
2.800E+04	3.808E-02	1.246E-12	3.700E-10	2.000E-08	2.933E-13	7.483E-01	2.500E-04	6.000E-07	2.461E-02
2.900E+04	4.138E-02	9.066E-13	2.700E-10	1.600E-08	2.111E-13	7.483E-01	2.222E-04	5.444E-07	2.671E-02
3.000E+04	4.483E-02	6.666E-13	1.900E-10	1.200E-08	1.555E-13	7.483E-01	2.000E-04	4.933E-07	2.891E-02
3.100E+04	4.843E-02	4.936E-13	1.400E-10	9.000E-09	1.111E-13	7.483E-01	1.811E-04	4.500E-07	3.121E-02
3.200E+04	5.218E-02	3.606E-13	1.000E-10	6.400E-09	8.000E-14	7.483E-01	1.644E-04	4.111E-07	3.361E-02
3.300E+04	5.618E-02	2.666E-13	7.300E-11	4.800E-09	5.888E-14	7.483E-01	1.500E-04	3.777E-07	3.611E-02
3.400E+04	6.043E-02	1.966E-13	5.300E-11	3.600E-09	4.333E-14	7.483E-01	1.377E-04	3.444E-07	3.871E-02
3.500E+04	6.493E-02	1.436E-13	3.900E-11	2.800E-09	3.111E-14	7.483E-01	1.266E-04	3.111E-07	4.141E-02
3.600E+04	6.968E-02	1.066E-13	2.800E-11	2.100E-09	2.222E-14	7.483E-01	1.166E-04	2.800E-07	4.421E-02
3.700E+04	7.468E-02	7.866E-14	2.000E-11	1.600E-09	1.600E-14	7.483E-01	1.077E-04	2.500E-07	4.711E-02
3.800E+04	7.993E-02	5.866E-14	1.500E-11	1.200E-09	1.111E-14	7.483E-01	1.000E-04	2.222E-07	5.011E-02
3.900E+04	8.543E-02	4.366E-14	1.100E-11	9.000E-10	8.000E-15	7.483E-01	9.333E-05	2.000E-07	5.321E-02
4.000E+04	9.118E-02	3.266E-14	8.000E-12	6.800E-10	5.888E-15	7.483E-01	8.666E-05	1.811E-07	5.641E-02
4.100E+04	9.718E-02	2.406E-14	5.900E-12	5.200E-10	4.333E-15	7.483E-01	8.000E-05	1.644E-07	5.971E-02
4.200E+04	1.0343E-01	1.766E-14	4.300E-12	3.900E-10	3.111E-15	7.483E-01	7.444E-05	1.500E-07	6.311E-02
4.300E+04	1.0983E-01	1.306E-14	3.100E-12	2.900E-10	2.222E-15	7.483E-01	6.933E-05	1.377E-07	6.661E-02
4.400E+04	1.1643E-01	9.766E-15	2.200E-12	2.100E-10	1.600E-15	7.483E-01	6.500E-05	1.266E-07	7.021E-02
4.500E+04	1.2323E-01	7.266E-15	1.600E-12	1.600E-10	1.111E-15	7.483E-01	6.111E-05	1.166E-07	7.391E-02
4.600E+04	1.3023E-01	5.406E-15	1.200E-12	1.200E-10	8.000E-16	7.483E-01	5.777E-05	1.077E-07	7.771E-02
4.700E+04	1.3743E-01	4.006E-15	9.000E-13	9.000E-11	5.888E-16	7.483E-01	5.444E-05	1.000E-07	8.161E-02
4.800E+04	1.4483E-01	2.966E-15	6.600E-13	6.800E-11	4.333E-16	7.483E-01	5.111E-05	9.333E-08	8.561E-02
4.900E+04	1.5243E-01	2.166E-15	4.900E-13	5.200E-11	3.111E-16	7.483E-01	4.800E-05	8.666E-08	8.971E-02
5.000E+04	1.6023E-01	1.606E-15	3.600E-13	3.900E-11	2.222E-16	7.483E-01	4.500E-05	8.000E-08	9.391E-02

P/PD = 3.60E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	J.	5.479E-01	1.960E-20	6.530E-35	1.633E-28	6.435E-22	3.031E-01	1.351E-18	1.139E-21
6.000E+02	U.	2.570E-01	2.475E-17	6.728E-29	2.341E-24	5.799E-18	5.602E-01	1.054E-18	3.539E-21
7.000E+02	O.	8.162E-02	4.508E-15	1.051E-24	1.321E-21	3.511E-15	6.886E-01	9.003E-19	9.230E-21
8.000E+02	J.	2.797E-02	1.654E-13	1.331E-21	1.238E-19	4.134E-13	7.290E-01	8.394E-19	2.106E-20
9.000E+02	O.	1.129E-02	2.589E-12	3.350E-19	3.974E-18	1.681E-11	7.415E-01	8.020E-19	4.114E-20
1.000E+03	J.	5.326E-03	2.289E-11	2.770E-17	6.270E-17	3.271E-10	7.460E-01	7.653E-19	7.007E-20
1.100E+03	O.	2.852E-03	1.358E-10	1.021E-15	5.968E-16	3.728E-09	7.479E-01	7.243E-19	1.069E-19
1.200E+03	J.	1.688E-03	5.952E-10	2.070E-14	3.904E-15	2.846E-08	7.487E-01	6.793E-19	1.496E-19
1.300E+03	O.	1.081E-03	2.073E-09	2.635E-13	1.917E-14	1.595E-07	7.492E-01	6.323E-19	1.954E-19
1.400E+03	J.	7.384E-04	6.034E-09	2.332E-12	7.524E-14	7.014E-07	7.494E-01	5.852E-19	2.421E-19
1.500E+03	J.	5.310E-04	1.522E-08	1.543E-11	2.468E-13	2.538E-06	7.496E-01	5.398E-19	2.876E-19
1.600E+03	J.	3.455E-04	3.419E-08	8.062E-11	6.998E-13	7.858E-06	7.497E-01	4.973E-19	3.306E-19
1.700E+03	J.	2.206E-04	6.981E-08	3.468E-10	1.780E-12	2.124E-05	7.497E-01	4.582E-19	3.704E-19
1.800E+03	J.	1.417E-04	2.446E-04	1.317E-07	1.289E-09	4.007E-12	7.498E-01	4.227E-19	4.066E-19
1.900E+03	J.	9.347E-05	2.033E-04	2.323E-07	4.050E-09	6.300E-12	7.498E-01	3.911E-19	4.394E-19
2.000E+03	J.	6.400E-05	1.706E-04	1.871E-07	1.151E-08	1.633E-11	7.497E-01	3.613E-19	4.727E-19
2.100E+03	J.	4.481E-05	1.456E-04	1.455E-07	2.962E-08	2.900E-11	7.495E-01	3.259E-19	5.068E-19
2.200E+03	J.	3.082E-05	1.262E-04	9.352E-07	6.995E-08	5.190E-11	7.492E-01	2.872E-19	5.424E-19
2.300E+03	J.	2.144E-05	1.108E-04	1.372E-06	1.533E-07	4.597E-11	7.487E-01	2.516E-19	5.784E-19
2.400E+03	J.	1.486E-05	9.840E-05	1.948E-06	3.146E-07	1.367E-10	7.479E-01	2.167E-19	6.146E-19
2.500E+03	J.	1.026E-05	8.823E-05	2.689E-06	6.093E-07	2.095E-10	7.468E-01	1.843E-19	6.506E-19
2.600E+03	J.	7.061E-06	7.974E-05	3.616E-06	1.121E-06	3.108E-10	7.451E-01	1.515E-19	6.874E-19
2.700E+03	J.	5.008E-06	7.255E-05	4.752E-06	1.971E-06	4.476E-10	7.420E-01	1.164E-19	7.244E-19
2.800E+03	J.	3.544E-06	6.636E-05	6.116E-06	3.324E-06	6.275E-10	7.397E-01	8.842E-20	7.606E-19
2.900E+03	J.	2.547E-06	6.094E-05	7.717E-06	5.404E-06	8.586E-10	7.356E-01	7.499E-20	7.974E-19
3.000E+03	J.	1.799E-06	5.613E-05	9.565E-06	6.493E-06	1.148E-09	7.303E-01	6.396E-20	8.342E-19
3.100E+03	J.	1.290E-06	5.179E-05	1.166E-05	1.294E-05	1.502E-09	7.236E-01	5.407E-20	8.714E-19
3.200E+03	J.	9.023E-07	4.783E-05	1.399E-05	1.914E-05	1.927E-09	7.154E-01	4.548E-20	9.086E-19
3.300E+03	J.	6.415E-07	4.415E-05	1.653E-05	2.768E-05	2.424E-09	7.053E-01	3.748E-20	9.454E-19

TABLE II.- Continued

M	N	N2	N2*	N*	N-	N**	N***	N****	T
9.210E-06	1.991E-01	2.845E-02	2.123E-05	3.308E-04	3.092E-06	6.072E-16	0.	0.	9.000E+03
1.062E-05	2.304E-01	2.303E-C2	2.277E-05	4.371E-04	3.823E-06	1.551E-15	0.	0.	9.200E+03
1.216E-05	2.160E-01	1.851E-02	2.400E-05	5.609E-04	4.644E-06	3.783E-15	0.	0.	9.400E+03
1.383E-05	2.222E-01	1.481E-C2	2.493E-05	7.271E-04	5.553E-06	8.846E-15	0.	0.	9.600E+03
1.565E-05	2.271E-01	1.182E-02	2.598E-05	9.093E-04	6.548E-06	1.991E-14	0.	0.	9.800E+03
1.761E-05	2.310E-01	9.428E-C3	2.599E-05	1.128E-03	7.629E-06	4.323E-14	0.	0.	1.000E+04
2.940E-05	2.391E-01	3.146E-03	2.580E-05	2.853E-03	1.424E-05	1.337E-12	0.	0.	1.100E+04
4.401E-05	2.372E-01	1.154E-C3	2.386E-05	6.024E-03	2.256E-05	2.307E-11	0.	0.	1.200E+04
6.003E-05	2.296E-01	4.649E-04	2.128E-05	1.118E-02	3.171E-05	2.573E-10	0.	0.	1.300E+04
7.538E-05	2.172E-01	2.003E-04	1.835E-05	1.873E-02	4.033E-05	2.041E-09	2.362E-23	0.	1.400E+04
8.760E-05	2.301E-01	8.990E-05	1.522E-05	2.878E-02	4.682E-05	1.232E-08	1.521E-21	0.	1.500E+04
9.422E-05	1.788E-01	4.100E-05	1.207E-05	4.104E-02	4.945E-05	5.951E-08	5.975E-20	0.	1.600E+04
9.482E-05	1.566E-01	1.864E-C5	9.081E-06	5.473E-02	4.884E-05	2.389E-07	1.567E-18	0.	1.700E+04
8.862E-05	1.291E-01	4.325E-06	6.472E-06	6.874E-02	4.418E-05	8.213E-07	2.942E-17	0.	1.800E+04
7.741E-05	1.042E-01	3.631E-C6	4.374E-C6	8.184E-02	3.713E-05	2.479E-06	4.181E-16	0.	1.900E+04
6.356E-05	8.176E-02	1.546E-06	2.821E-06	9.325E-02	2.924E-05	6.704E-06	4.701E-15	0.	2.000E+04
4.947E-05	6.271E-02	6.478E-C7	1.754E-C6	1.023E-01	2.184E-05	1.652E-05	4.324E-14	0.	2.100E+04
3.688E-05	4.743E-02	2.699E-07	1.266E-06	1.091E-01	1.570E-05	3.770E-05	3.358E-13	0.	2.200E+04
2.665E-05	3.568E-02	1.133E-07	6.412E-C7	1.139E-01	1.100E-05	8.049E-05	2.242E-12	0.	2.300E+04
1.894E-05	2.668E-02	4.843E-08	3.860E-07	1.172E-01	7.613E-06	1.623E-04	1.311E-11	0.	2.400E+04
1.326E-05	2.040E-02	2.124E-C8	2.345E-07	1.154E-01	5.253E-06	3.113E-04	6.803E-11	0.	2.500E+04
9.336E-06	1.564E-02	9.609E-09	1.444E-07	1.207E-01	3.639E-06	5.711E-04	3.166E-10	0.	2.600E+04
6.585E-06	1.213E-02	4.488E-09	9.031E-08	1.213E-01	2.542E-06	1.005E-03	1.334E-09	0.	2.700E+04
4.677E-06	9.523E-03	2.163E-09	5.737E-08	1.213E-01	1.794E-06	1.704E-03	5.128E-09	0.	2.800E+04
3.377E-06	7.555E-03	1.072E-09	3.694E-08	1.206E-01	1.280E-06	2.786E-03	1.809E-08	0.	2.900E+04
2.476E-06	6.350E-03	6.444E-10	2.403E-08	1.192E-01	9.233E-07	4.398E-03	5.889E-08	0.	3.000E+04
1.846E-06	4.876E-03	2.822E-10	1.572E-08	1.170E-01	6.717E-07	6.709E-03	1.776E-07	0.	3.100E+04
1.401E-06	3.965E-03	1.481E-10	1.029E-08	1.138E-01	4.914E-07	9.885E-03	4.975E-07	0.	3.200E+04
1.082E-06	3.194E-03	7.825E-11	6.708E-09	1.091E-01	3.617E-07	1.406E-02	1.298E-06	0.	3.300E+04
8.517E-07	2.579E-03	4.137E-11	4.328E-09	1.034E-01	2.662E-07	1.932E-02	3.644E-06	0.	3.400E+04
6.821E-07	2.071E-03	2.176E-11	2.749E-09	9.649E-02	1.956E-07	2.560E-02	7.215E-06	6.292E-13	3.500E+04
5.556E-07	1.651E-03	1.134E-11	1.714E-09	8.859E-02	1.432E-07	3.276E-02	1.544E-05	2.860E-12	3.600E+04
4.598E-07	1.304E-03	5.830E-12	1.046E-09	7.991E-02	1.042E-07	4.051E-02	3.112E-05	1.176E-11	3.700E+04
3.862E-07	1.019E-03	2.957E-12	6.255E-10	7.094E-02	7.526E-08	4.852E-02	5.933E-05	4.408E-11	3.800E+04
3.287E-07	7.898E-04	1.479E-12	3.666E-10	6.204E-02	5.401E-08	5.642E-02	1.074E-04	1.518E-10	3.900E+04
2.832E-07	6.067E-04	7.318E-13	2.112E-10	5.355E-02	3.852E-08	6.392E-02	1.858E-04	4.839E-10	4.000E+04
2.467E-07	4.629E-04	3.588E-13	1.200E-10	4.572E-02	2.734E-08	7.076E-02	3.083E-04	1.438E-09	4.100E+04
2.170E-07	3.513E-04	1.750E-13	6.752E-11	3.870E-02	1.933E-08	7.679E-02	4.925E-04	4.014E-09	4.200E+04
1.925E-07	2.657E-04	8.524E-14	3.777E-11	3.259E-02	1.365E-08	8.195E-02	7.629E-04	1.058E-08	4.300E+04
1.721E-07	2.070E-04	4.154E-14	2.107E-11	2.727E-02	9.632E-09	8.621E-02	1.147E-03	2.667E-08	4.400E+04
1.549E-07	1.515E-04	2.034E-14	1.176E-11	2.277E-02	6.806E-09	8.959E-02	1.679E-03	6.315E-08	4.500E+04
1.403E-07	1.154E-04	1.332E-14	6.575E-12	1.899E-02	4.819E-09	9.213E-02	2.401E-03	1.442E-07	4.600E+04
1.278E-07	8.649E-05	9.855E-15	3.690E-12	1.582E-02	3.423E-09	4.386E-02	3.358E-03	3.162E-07	4.700E+04
1.170E-07	6.551E-05	2.480E-15	2.079E-12	1.318E-02	2.438E-09	4.880E-02	4.632E-03	6.672E-07	4.800E+04
1.075E-07	4.769E-05	1.247E-15	1.176E-12	1.047E-02	1.743E-09	4.949E-02	6.184E-03	1.358E-06	4.900E+04
9.925E-08	3.774E-05	6.314E-16	6.674E-13	9.132E-03	1.249E-09	9.439E-02	8.157E-03	2.668E-06	5.000E+04

P/PD = 3.60E+01

M	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	0.	1.010E-01	6.457E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.867E-01	9.080E-21	0.	0.	0.	0.	0.	6.200E+02
0.	0.	2.295E-01	1.177E-20	0.	0.	0.	0.	0.	7.400E+02
0.	1.490E-29	2.430E-C1	1.499E-20	0.	0.	0.	0.	0.	8.500E+02
0.	4.247E-26	2.472E-01	1.810E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.472E-23	2.487E-01	2.079E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.539E-21	2.493E-01	2.283E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.508E-19	2.496E-01	2.415E-20	9.481E-34	0.	0.	0.	0.	1.200E+03
0.	1.933E-17	2.497E-01	2.481E-20	1.764E-32	0.	0.	0.	0.	1.300E+03
0.	3.275E-16	2.498E-01	2.493E-20	2.127E-31	0.	0.	0.	0.	1.400E+03
0.	5.086E-15	2.498E-C1	2.486E-20	1.814E-30	0.	0.	0.	0.	1.500E+03
0.	5.974E-14	2.499E-01	2.407E-20	1.170E-29	0.	0.	0.	0.	1.600E+03
0.	4.632E-13	2.499E-01	2.332E-20	5.998E-29	0.	0.	0.	0.	1.700E+03
0.	7.87E-12	2.499E-01	2.246E-20	2.544E-28	0.	0.	0.	0.	1.800E+03
0.	3.633E-11	2.499E-01	2.157E-20	9.209E-28	0.	0.	0.	0.	1.900E+03
0.	1.233E-11	2.499E-01	2.174E-20	3.064E-27	8.976E-31	0.	0.	0.	2.000E+03
0.	5.572E-11	2.499E-01	2.434E-20	2.259E-26	1.097E-28	0.	0.	0.	2.100E+03
0.	4.37E-10	2.499E-01	3.264E-19	3.644E-25	3.328E-27	0.	0.	0.	2.200E+03
0.	5.942E-10	2.498E-01	1.983E-18	5.407E-24	6.404E-26	0.	0.	0.	2.300E+03
0.	4.172E-10	2.497E-01	1.053E-17	6.537E-23	4.439E-25	0.	0.	0.	2.400E+03
0.	2.497E-10	2.426E-04	2.495E-01	4.909E-17	6.503E-22	1.118E-23	0.	0.	2.500E+03
0.	1.300E-10	5.949E-08	2.493E-C1	2.038E-16	5.432E-21	1.393E-22	0.	0.	2.600E+03
0.	5.981E-10	1.368E-07	2.490E-01	7.628E-16	3.484E-20	9.015E-22	0.	0.	2.700E+03
0.	2.463E-10	2.498E-07	2.445E-01	2.807E-15	2.417E-19	6.387E-21	0.	0.	2.800E+03
0.	4.183E-10	5.911E-07	2.479E-01	8.167E-15	1.324E-18	3.447E-20	0.	0.	2.900E+03
0.	3.129E-10	1.150E-06	2.472E-01	2.379E-14	6.523E-18	2.157E-19	0.	0.	3.000E+03
0.	9.824E-10	2.142E-06	2.462E-01	6.47E-14	2.895E-17	1.054E-18	0.	0.	3.100E+03
0.	2.863E-10	3.836E-06	2.450E-01	1.858E-13	1.173E-16	4.654E-18	0.	0.	3.200E+03
0.	7.795E-10	6.631E-06	2.436E-C1	4.014E-13	4.377E-16	1.874E-17	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	5.934E-11	4.069E-05	1.925E-05	3.901E-05	2.996E-09	6.475E-02	6.933E-01	1.224E-11	4.817E-11
3.500E+03	1.325E-10	3.742E-05	2.211E-05	5.374E-05	3.637E-09	8.091E-02	6.791E-01	2.628E-11	1.090E-10
3.600E+03	2.831E-10	3.430E-05	2.506E-05	7.249E-05	4.346E-09	9.964E-02	6.627E-01	5.398E-11	2.358E-10
3.700E+03	5.401E-10	3.131E-05	2.801E-05	9.587E-05	5.095E-09	1.210E-01	6.440E-01	1.063E-10	4.891E-10
3.800E+03	1.144E-09	2.844E-05	3.091E-05	1.244E-04	5.884E-09	1.451E-01	6.230E-01	2.014E-10	9.755E-10
3.900E+03	2.177E-09	2.567E-05	3.367E-05	1.587E-04	6.688E-09	1.717E-01	5.996E-01	3.679E-10	1.877E-09
4.000E+03	4.009E-09	2.303E-05	3.621E-05	1.990E-04	7.485E-09	2.009E-01	5.741E-01	6.491E-10	3.491E-09
4.100E+03	7.156E-09	2.050E-05	3.845E-05	2.456E-04	8.250E-09	2.323E-01	5.465E-01	1.105E-09	6.293E-09
4.200E+03	1.241E-08	1.812E-05	4.034E-05	2.985E-04	9.058E-09	2.657E-01	5.172E-01	1.836E-09	1.101E-08
4.300E+03	2.095E-08	1.588E-05	4.180E-05	3.576E-04	9.587E-09	3.008E-01	4.865E-01	2.954E-09	1.876E-08
4.400E+03	3.449E-08	1.379E-05	4.281E-05	4.227E-04	1.012E-08	3.370E-01	4.547E-01	4.624E-09	3.113E-08
4.500E+03	5.544E-08	1.188E-05	4.333E-05	4.931E-04	1.053E-08	3.740E-01	4.222E-01	7.049E-09	5.041E-08
4.600E+03	8.714E-08	1.015E-05	4.337E-05	5.682E-04	1.082E-08	4.112E-01	3.896E-01	1.048E-08	7.981E-08
4.700E+03	1.341E-07	8.589E-06	4.295E-05	6.473E-04	1.098E-08	4.481E-01	3.571E-01	1.523E-08	1.237E-07
4.800E+03	2.025E-07	7.211E-06	4.211E-05	7.294E-04	1.102E-08	4.842E-01	3.254E-01	2.163E-08	1.877E-07
4.900E+03	2.999E-07	6.307E-06	4.089E-05	8.137E-04	1.094E-08	5.191E-01	2.947E-01	3.008E-08	2.797E-07
5.000E+03	4.367E-07	4.968E-06	3.936E-05	8.993E-04	1.076E-08	5.523E-01	2.654E-01	4.101E-08	4.092E-07
5.100E+03	6.425E-07	3.336E-06	3.562E-05	1.071E-03	1.013E-08	6.126E-01	2.121E-01	7.219E-08	8.334E-07
5.200E+03	1.664E-06	2.197E-06	3.142E-05	1.240E-03	9.282E-09	6.635E-01	1.668E-01	1.191E-07	1.599E-06
5.300E+03	3.054E-06	1.431E-06	2.719E-05	1.401E-03	8.325E-09	7.047E-01	1.298E-01	1.850E-07	2.909E-06
5.400E+03	5.301E-06	9.267E-07	2.320E-05	1.554E-03	7.351E-09	7.369E-01	1.003E-01	2.766E-07	5.054E-06
5.500E+03	8.451E-06	6.006E-07	1.962E-05	1.695E-03	6.418E-09	7.612E-01	7.746E-02	3.957E-07	8.424E-06
5.600E+03	1.428E-05	3.910E-07	1.650E-05	1.823E-03	5.555E-09	7.789E-01	5.990E-02	5.472E-07	1.354E-05
5.700E+03	2.236E-05	2.564E-07	1.382E-05	1.937E-03	4.773E-09	7.914E-01	4.652E-02	7.352E-07	2.106E-05
5.800E+03	3.407E-05	1.695E-07	1.155E-05	2.036E-03	4.073E-09	7.995E-01	3.633E-02	9.635E-07	3.182E-05
5.900E+03	5.088E-05	1.130E-07	9.635E-06	2.118E-03	3.451E-09	8.042E-01	2.857E-02	1.236E-06	4.602E-05
6.000E+03	7.374E-05	7.600E-08	8.023E-06	2.180E-03	2.902E-09	8.062E-01	2.263E-02	1.554E-06	6.724E-05
6.100E+03	1.053E-04	5.148E-08	6.666E-06	2.221E-03	2.418E-09	8.060E-01	1.806E-02	1.922E-06	9.448E-05
6.200E+03	1.477E-04	3.511E-08	5.525E-06	2.239E-03	1.995E-09	8.040E-01	1.453E-02	2.340E-06	1.301E-04
6.300E+03	2.037E-04	2.409E-08	4.566E-06	2.235E-03	1.628E-09	8.007E-01	1.177E-02	2.811E-06	1.760E-04
6.400E+03	2.767E-04	1.661E-08	3.761E-06	2.207E-03	1.313E-09	7.963E-01	9.607E-03	3.337E-06	2.341E-04
6.500E+03	3.705E-04	1.151E-08	3.088E-06	2.156E-03	1.046E-09	7.913E-01	7.902E-03	3.920E-06	3.067E-04
6.600E+03	4.897E-04	8.006E-09	2.527E-06	2.086E-03	8.223E-10	7.859E-01	6.549E-03	4.563E-06	3.965E-04
6.700E+03	6.392E-04	5.597E-09	2.062E-06	1.999E-03	6.393E-10	7.804E-01	5.471E-03	5.272E-06	5.064E-04
6.800E+03	8.247E-04	3.932E-09	1.678E-06	1.899E-03	4.915E-10	7.751E-01	4.600E-03	6.052E-06	6.399E-04
6.900E+03	1.052E-03	2.777E-09	1.364E-06	1.789E-03	3.743E-10	7.701E-01	3.908E-03	6.911E-06	8.007E-04
7.000E+03	1.328E-03	1.974E-09	1.108E-06	1.675E-03	2.829E-10	7.656E-01	3.340E-03	7.856E-06	9.931E-04
7.100E+03	1.661E-03	1.412E-09	9.001E-07	1.559E-03	2.127E-10	7.615E-01	2.877E-03	8.895E-06	1.222E-03
7.200E+03	2.057E-03	1.018E-09	7.323E-07	1.446E-03	1.594E-10	7.580E-01	2.494E-03	1.003E-05	1.492E-03
7.300E+03	2.526E-03	7.394E-10	5.970E-07	1.336E-03	1.193E-10	7.549E-01	2.177E-03	1.128E-05	1.810E-03
7.400E+03	3.075E-03	5.414E-10	4.881E-07	1.233E-03	8.931E-11	7.521E-01	1.911E-03	1.264E-05	2.180E-03
7.500E+04	3.716E-03	3.997E-10	4.004E-07	1.136E-03	6.702E-11	7.496E-01	1.687E-03	1.412E-05	2.609E-03
1.100E+04	4.652E-03	9.857E-11	1.576E-07	7.570E-04	1.697E-11	7.387E-01	9.650E-04	2.332E-05	5.677E-03
1.200E+04	1.753E-02	2.873E-11	6.797E-08	5.160E-04	4.857E-12	7.251E-01	5.955E-04	2.529E-05	1.169E-02
1.300E+04	3.183E-02	9.408E-12	3.133E-08	3.584E-04	1.535E-12	7.048E-01	3.804E-04	5.008E-05	2.098E-02
1.400E+04	5.283E-02	3.297E-12	1.496E-08	2.501E-04	5.143E-13	6.754E-01	2.529E-04	4.581E-05	3.483E-02
1.500E+04	8.124E-02	1.184E-12	7.191E-09	1.724E-04	1.752E-13	6.355E-01	1.669E-04	4.078E-05	5.322E-02
1.600E+04	1.169E-01	4.206E-13	3.393E-09	1.157E-04	5.859E-14	5.851E-01	1.086E-04	9.274E-05	7.686E-02
1.700E+04	1.586E-01	1.434E-13	1.540E-09	7.474E-05	1.868E-14	5.257E-01	6.889E-05	9.961E-05	1.051E-01
1.800E+04	2.041E-01	4.596E-14	6.624E-10	4.607E-05	5.561E-15	4.600E-01	4.216E-05	1.001E-04	1.307E-01
1.900E+04	2.506E-01	1.368E-14	2.881E-10	2.701E-05	1.531E-15	3.919E-01	2.476E-05	9.434E-05	1.699E-01
2.000E+04	2.950E-01	3.777E-15	1.022E-10	1.509E-05	3.903E-16	3.256E-01	1.395E-05	6.365E-05	2.029E-01
2.100E+04	3.351E-01	9.764E-16	3.694E-11	8.097E-06	9.328E-17	2.649E-01	7.562E-06	7.025E-05	2.337E-01
2.200E+04	3.693E-01	2.405E-16	1.286E-11	4.217E-06	2.132E-17	2.120E-01	3.979E-06	5.698E-05	2.609E-01
2.300E+04	3.974E-01	5.770E-17	4.387E-12	2.159E-06	4.778E-18	1.680E-01	2.053E-06	4.368E-05	2.839E-01
2.400E+04	4.194E-01	1.380E-17	1.493E-12	1.101E-06	1.074E-18	1.327E-01	1.051E-06	3.304E-05	3.025E-01
2.500E+04	4.364E-01	3.394E-18	5.141E-13	5.649E-07	2.472E-19	1.051E-01	5.394E-07	2.463E-05	3.172E-01
2.600E+04	4.502E-01	8.414E-19	1.813E-13	2.938E-07	5.904E-20	8.374E-02	2.798E-07	1.824E-05	3.286E-01
2.700E+04	4.604E-01	2.200E-19	6.594E-14	1.557E-07	1.476E-20	6.738E-02	1.476E-07	1.351E-05	3.373E-01
2.800E+04	4.684E-01	6.031E-20	2.484E-14	8.420E-08	3.877E-21	5.483E-02	7.953E-08	1.004E-05	3.439E-01
2.900E+04	4.747E-01	1.737E-20	9.731E-15	4.653E-08	1.071E-21	4.516E-02	4.384E-08	7.512E-06	3.488E-01
3.000E+04	4.801E-01	5.252E-21	3.925E-15	2.624E-08	3.100E-22	3.766E-02	2.475E-08	5.666E-06	3.523E-01
3.100E+04	4.847E-01	1.663E-21	1.662E-15	1.507E-08	9.366E-23	3.177E-02	1.431E-08	4.313E-06	3.547E-01
3.200E+04	4.891E-01	5.499E-22	7.074E-16	8.789E-09	2.936E-23	2.710E-02	8.471E-09	3.312E-06	3.561E-01
3.300E+04	4.933E-01	1.849E-22	3.129E-16	5.191E-09	9.481E-24	2.336E-02	5.129E-09	2.567E-06	3.566E-01
3.400E+04	4.977E-01	6.708E-23	1.414E-16	3.093E-09	3.132E-24	2.033E-02	3.173E-09	2.007E-06	3.564E-01
3.500E+04	5.022E-01	2.453E-23	6.511E-17	1.654E-09	1.052E-24	1.784E-02	2.003E-09	1.582E-06	3.555E-01
3.600E+04	5.070E-01	9.194E-24	3.035E-17	1.115E-09	3.568E-25	1.578E-02	1.289E-09	1.258E-06	3.540E-01
3.700E+04	5.118E-01	3.521E-24	1.435E-17	6.709E-10	1.217E-25	1.406E-02	8.444E-10	1.008E-06	3.521E-01
3.800E+04	5.167E-01	1.374E-24	6.840E-18	4.038E-10	4.166E-26	1.260E-02	5.628E-10	8.195E-07	3.499E-01
3.900E+04	5.214E-01	5.458E-25	3.304E-18	2.430E-10	1.430E-26	1.136E-02	3.808E-10	6.619E-07	3.476E-01
4.000E+04	5.259E-01	2.206E-25	1.608E-18	1.462E-10	4.929E-27	1.030E-02	2.617E-10	5.427E-07	3.453E-01
4.100E+04	5.300E-01	9.086E-26	7.894E-19	8.811E-11	1.705E-27	9.375E-03	1.824E-10	4.483E-07	3.431E-01
4.200E+04	5.337E-01	3.793E-26	3.917E-19	5.324E-11	5.951E-28	8.574E-03	1.288E-10	3.730E-07	3.411E-01
4.300E+04	5.370E-01	1.616E-26	1.966E-19	3.230E-11	2.099E-28	7.872E-03	9.217E-11	3.125E-07	3.394E-01
4.400E+04	5.399E-01	7.013E-27	8.490E-20	1.970E-11	7.498E-29	6.673E-03	6.673E-11	2.698E-07	3.378E-01
4.500E+04	5.425E-01	3.102E-27	5.143E-20	1.209E-11	2.718E-29	6.706E-03	4.866E-11	2.238E-07	3.364E-01
4.600E+04	5.448E-01	1.398E-27	2.683E-20	7.471E-12	1.002E-29	6.220E-03	3.616E-11	1.911E-07	3.352E-01
4.700E+04	5.469E-01	6.421E-28	1.419E-20	4.653E-12	3.753E-30	5.784E-03	2.703E-11	1.440E-07	3.340E-01
4.800E+04	5.488E-01	3.002E-28	7.601E-21	2.919E-12	1.430E-30	5.393E-03	2.040E-11	1.415E-07	3.330E-01
4.900E+04	5.507E-01	1.428E-28	4.124E-21	1.865E-12	5.539E-31	5.040E-03	1.553E-11	1.226E-07	3.319E-01
5.000E+04	5.526E-01	6.403E-29	2.244E-21	1.174E-12	2.178E-31	4.721E-03	1.193E-11	1.067E-07	3.309E-01

TABLE II. - Continued

P/PO = 3.80E+01

T	E-	NH3	NH2	NH	N2H2	N	H2	H2+	H+
5.000E+02	0.	6.040E-01	1.555E-20	6.399E-35	1.656E-28	6.200E-22	2.970E-01	1.358E-18	1.126E-21
6.000E+02	0.	2.612E-01	3.006E-17	6.654E-29	2.417E-24	5.613E-18	5.541E-01	1.061E-18	3.487E-21
7.000E+02	0.	8.565E-02	4.602E-15	1.047E-24	1.383E-21	3.410E-15	6.858E-01	9.037E-19	9.037E-21
8.000E+02	0.	2.944E-02	1.696E-13	1.329E-21	1.302E-19	4.021E-13	7.279E-01	8.411E-19	2.056E-20
9.000E+02	0.	1.190E-02	2.658E-12	3.348E-19	4.190E-18	1.636E-11	7.411E-01	8.035E-19	4.013E-20
1.000E+03	0.	5.619E-03	2.351E-11	2.749E-17	6.614E-17	3.183E-10	7.458E-01	7.672E-19	6.838E-20
1.100E+03	0.	3.009E-03	1.395E-10	1.020E-15	6.297E-16	3.629E-09	7.477E-01	7.268E-19	1.044E-19
1.200E+03	0.	1.781E-03	6.114E-10	2.069E-14	4.120E-15	2.770E-08	7.487E-01	6.826E-19	1.463E-19
1.300E+03	0.	1.141E-03	2.130E-09	2.634E-13	2.024E-14	1.553E-07	7.491E-01	6.362E-19	1.914E-19
1.400E+03	0.	7.794E-04	6.199E-09	2.332E-12	7.941E-14	6.827E-07	7.494E-01	5.897E-19	2.374E-19
1.500E+03	0.	5.605E-04	1.564E-08	1.543E-11	2.603E-13	2.470E-06	7.496E-01	5.447E-19	2.825E-19
1.600E+03	3.239E-30	4.206E-04	3.513E-08	8.062E-11	7.346E-13	7.629E-06	7.497E-01	5.025E-19	3.252E-19
1.700E+03	3.002E-27	3.269E-04	7.173E-08	3.468E-10	1.858E-12	2.067E-05	7.497E-01	4.635E-19	3.647E-19
1.800E+03	1.025E-24	2.617E-04	1.353E-07	1.269E-09	4.225E-12	5.023E-05	7.498E-01	4.282E-19	4.009E-19
1.900E+03	3.127E-22	2.148E-04	2.386E-07	4.050E-09	8.824E-12	1.113E-04	7.497E-01	3.965E-19	4.337E-19
2.000E+03	4.120E-20	1.801E-04	3.977E-07	1.151E-08	1.724E-11	2.281E-04	7.497E-01	3.658E-19	4.852E-19
2.100E+03	1.419E-18	1.537E-04	6.314E-07	2.962E-08	3.156E-11	4.369E-04	7.495E-01	3.355E-19	1.307E-18
2.200E+03	1.333E-17	1.332E-04	9.609E-07	6.995E-08	5.478E-11	7.895E-04	7.492E-01	3.056E-18	8.574E-18
2.300E+03	8.822E-16	1.170E-04	1.410E-06	1.533E-07	9.075E-11	1.358E-03	7.487E-01	2.758E-17	5.614E-17
2.400E+03	4.908E-14	1.039E-04	2.002E-06	3.146E-07	1.943E-10	2.228E-03	7.480E-01	1.641E-16	3.211E-16
2.500E+03	2.378E-13	9.315E-05	2.763E-06	6.093E-07	2.212E-10	3.918E-03	7.468E-01	7.508E-16	1.605E-15
2.600E+03	1.023E-15	8.420E-05	3.716E-06	1.121E-06	3.281E-10	5.365E-03	7.452E-01	3.041E-15	7.100E-15
2.700E+03	3.960E-14	7.661E-05	4.884E-06	1.971E-06	4.726E-10	7.929E-03	7.432E-01	1.268E-14	2.818E-14
2.800E+03	1.394E-13	7.009E-05	6.285E-06	3.325E-06	6.627E-10	1.139E-02	7.430E-01	3.778E-14	1.015E-13
2.900E+03	4.504E-13	6.438E-05	7.933E-06	6.497E-06	9.068E-10	1.596E-02	7.380E-01	1.167E-13	3.349E-13
3.000E+03	1.348E-12	5.932E-05	9.838E-06	1.295E-05	1.588E-09	2.185E-02	7.308E-01	3.342E-13	1.021E-12
3.100E+03	3.763E-12	5.476E-05	1.199E-05	1.920E-05	2.037E-09	3.849E-02	7.243E-01	8.944E-13	2.902E-12
3.200E+03	9.858E-12	5.054E-05	1.439E-05	2.772E-05	2.565E-09	4.989E-02	7.163E-01	2.250E-12	7.720E-12
3.300E+03	2.437E-11	4.673E-05	1.702E-05	3.907E-05	3.171E-09	6.308E-02	7.065E-01	5.347E-12	1.940E-11
3.400E+03	5.716E-11	4.314E-05	1.983E-05	5.384E-05	3.853E-09	7.888E-02	6.947E-01	1.206E-11	4.616E-11
3.500E+03	1.277E-10	3.948E-05	2.279E-05	7.266E-05	4.603E-09	9.714E-02	6.849E-01	5.326E-11	1.2461E-10
3.600E+03	2.727E-10	3.641E-05	2.584E-05	9.614E-05	5.403E-09	1.180E-01	6.766E-01	1.050E-10	4.919E-10
3.700E+03	5.548E-10	3.324E-05	2.892E-05	1.249E-04	6.253E-09	1.415E-01	6.620E-01	1.990E-10	9.360E-10
3.800E+03	1.132E-09	3.027E-05	3.144E-05	1.593E-04	7.178E-09	1.676E-01	6.432E-01	3.438E-10	1.801E-09
3.900E+03	2.048E-09	2.737E-05	3.483E-05	1.933E-04	8.077E-09	1.962E-01	6.261E-01	4.626E-10	3.352E-09
4.000E+03	3.864E-09	2.460E-05	3.751E-05	2.000E-04	9.041E-09	2.270E-01	6.095E-01	6.044E-09	6.044E-09
4.100E+03	6.895E-09	2.145E-05	3.990E-05	2.470E-04	1.027E-08	2.599E-01	5.911E-01	1.022E-09	1.059E-08
4.200E+03	1.197E-08	1.944E-05	4.192E-05	3.005E-04	1.171E-08	2.944E-01	5.723E-01	1.822E-09	1.808E-08
4.300E+03	2.021E-08	1.708E-05	4.332E-05	3.604E-04	1.333E-08	3.302E-01	5.511E-01	2.935E-09	1.037E-08
4.400E+03	3.328E-08	1.488E-05	4.465E-05	4.263E-04	1.506E-08	3.667E-01	5.293E-01	4.600E-09	2.994E-08
4.500E+03	5.151E-08	1.285E-05	4.524E-05	4.979E-04	1.693E-08	4.036E-01	5.078E-01	6.400E-09	4.852E-08
4.600E+03	8.415E-08	1.101E-05	4.543E-05	5.744E-04	1.895E-08	4.403E-01	4.867E-01	1.046E-08	7.866E-08
4.700E+03	1.294E-07	9.351E-06	4.509E-05	6.551E-04	2.108E-08	4.763E-01	4.640E-01	1.522E-08	1.192E-07
4.800E+03	1.957E-07	7.817E-06	4.430E-05	7.391E-04	2.339E-08	5.044E-01	4.420E-01	2.165E-08	1.810E-07
4.900E+03	2.900E-07	6.584E-06	4.312E-05	8.255E-04	2.594E-08	5.311E-01	4.203E-01	3.017E-08	2.698E-07
5.000E+03	4.225E-07	5.646E-06	4.140E-05	9.134E-04	2.870E-08	5.544E-01	3.973E-01	4.120E-08	3.950E-07
5.100E+03	6.546E-07	3.693E-06	3.782E-05	1.090E-03	3.160E-08	5.728E-01	3.730E-01	5.627E-08	5.646E-07
5.200E+03	1.632E-06	2.448E-06	3.349E-05	1.265E-03	3.459E-08	5.896E-01	3.480E-01	7.626E-08	1.547E-06
5.300E+03	2.963E-06	1.602E-06	2.905E-05	1.432E-03	3.754E-08	6.091E-01	3.230E-01	1.085E-07	2.819E-06
5.400E+03	5.145E-06	1.043E-06	2.490E-05	1.590E-03	4.025E-08	6.242E-01	2.970E-01	1.404E-07	4.901E-06
5.500E+03	8.595E-06	6.788E-07	2.112E-05	1.736E-03	4.271E-08	6.394E-01	2.720E-01	1.809E-07	8.176E-06
5.600E+03	1.387E-05	4.434E-07	1.779E-05	1.870E-03	4.529E-08	6.546E-01	2.460E-01	2.315E-07	1.315E-05
5.700E+03	2.173E-05	2.916E-07	1.494E-05	1.990E-03	4.783E-08	6.694E-01	2.200E-01	2.919E-07	2.047E-05
5.800E+03	3.312E-05	1.933E-07	1.251E-05	2.093E-03	5.033E-08	6.836E-01	1.940E-01	3.667E-07	3.094E-05
5.900E+03	4.928E-05	1.292E-07	1.045E-05	2.179E-03	5.282E-08	6.973E-01	1.670E-01	4.620E-07	4.555E-05
6.000E+03	7.174E-05	8.705E-08	8.715E-06	2.246E-03	5.531E-08	7.104E-01	1.400E-01	5.952E-07	6.544E-05
6.100E+03	1.024E-04	5.904E-08	7.233E-06	2.291E-03	5.779E-08	7.233E-01	1.130E-01	7.620E-07	9.199E-05
6.200E+03	1.436E-04	4.048E-08	6.022E-06	2.313E-03	6.026E-08	7.356E-01	9.000E-01	9.532E-07	1.207E-04
6.300E+03	1.981E-04	2.777E-08	4.985E-06	2.311E-03	6.274E-08	7.474E-01	6.700E-01	1.194E-06	1.714E-04
6.400E+03	2.640E-04	1.918E-08	4.114E-06	2.286E-03	6.497E-08	7.586E-01	6.400E-01	1.515E-06	2.281E-04
6.500E+03	3.603E-04	1.332E-08	3.384E-06	2.237E-03	6.718E-08	7.691E-01	6.050E-01	1.935E-06	2.989E-04
6.600E+03	4.763E-04	9.284E-09	2.774E-06	2.168E-03	6.938E-08	7.788E-01	5.620E-01	2.469E-06	3.865E-04
6.700E+03	6.217E-04	6.503E-09	2.288E-06	2.081E-03	7.166E-08	7.876E-01	5.180E-01	3.120E-06	4.937E-04
6.800E+03	8.021E-04	4.577E-09	1.849E-06	1.980E-03	7.354E-08	7.955E-01	4.730E-01	3.830E-06	6.238E-04
6.900E+03	1.023E-03	3.238E-09	1.505E-06	1.869E-03	7.506E-08	8.026E-01	4.280E-01	4.610E-06	7.805E-04
7.000E+03	1.292E-03	2.305E-09	1.225E-06	1.753E-03	7.627E-08	8.091E-01	3.830E-01	5.480E-06	9.680E-04
7.100E+03	1.616E-03	1.652E-09	9.964E-07	1.634E-03	7.718E-08	8.148E-01	3.380E-01	6.410E-06	1.191E-03
7.200E+03	2.001E-03	1.192E-09	8.114E-07	1.517E-03	7.785E-08	8.195E-01	2.930E-01	7.400E-06	1.454E-03
7.300E+03	2.457E-03	8.665E-10	6.624E-07	1.404E-03	7.836E-08	8.233E-01	2.500E-01	8.540E-06	1.763E-03
7.400E+03	2.992E-03	6.350E-10	5.420E-07	1.296E-03	7.871E-08	8.262E-01	2.020E-01	9.700E-06	2.123E-03
7.500E+03	3.616E-03	4.691E-10	4.450E-07	1.196E-03	7.896E-08	8.281E-01	1.500E-01	1.090E-05	2.541E-03
7.600E+03	4.322E-03	3.180E-10	3.500E-07	1.106E-03	7.911E-08	8.291E-01	1.020E-01	1.290E-05	3.023E-03
7.700E+03	5.170E-03	2.390E-10	2.750E-07	1.026E-03	7.918E-08	8.293E-01	7.000E-01	1.520E-05	3.575E-03
7.800E+03	6.101E-03	1.740E-10	2.140E-07	9.460E-04	7.917E-08	8.288E-01	4.000E-01	1.770E-05	4.190E-03
7.900E+03	7.150E-03	1.210E-10	1.680E-07	8.720E-04	7.908E-08	8.274E-01	2.600E-01	2.050E-05	4.860E-03
8.000E+03	8.360E-03	8.400E-11	1.280E-07	8.060E-04	7.891E-08	8.258E-01	1.700E-01	2.340E-05	5.560E-03
8.100E+03	9.760E-03	5.900E-11	9.500E-08	7.460E-04	7.865E-08	8.233E-01	1.100E-01	2.640E-05	6.310E-03
8.200E+03	1.130E-02	4.100E-11	7.000E-08	6.900E-04	7.830E-08	8.208E-01	7.000E-01	2.940E-05	7.100E-03
8.300E+03	1.300E-02	2.900E-11	5.200E-08	6.390E-04	7.785E-08	8.183E-01	4.000E-01	3.240E-05	7.900E-03
8.400E+03	1.490E-02	2.000E-11	3.900E-08	5.920E-04	7.730E-08	8.158E-01	2.600E-01	3.540E-05	8.700E-03
8.500E+03	1.700E-02	1.500E-11	2.900E-08	5.480E-04	7.665E-08	8.133E-01	1.700E-01	3.840E-05	9.500E-03
8.600E+03	1.930E-02	1.100E-11	2.200E-08	5.070E-04	7.590E-08	8.108E-01	1.100E-01	4.140E-05	1.030E-02
8.700E+03	2.190E-02	8.000E-12	1.600E-08	4.680E-04	7.505E-08	8.083E-01	7.000E-01	4.440E-05	1.110E-02
8.800E+03	2.480E-02	5.800E-12	1.200E-08	4.320E-04	7.410E-08	8.058E-01	4.000E-01	4.740E-05	1.190E-02
8.900E+03	2.800E-02	4.200E-12	9.000E-09	3.980E-04	7.				

TABLE II. - Continued

P/PO = 3.80E+01

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	9.900E-02	6.491E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.847E-01	9.140E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.286E-01	1.182E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.449E-29	2.426E-01	1.496E-20	0.	0.	0.	0.	0.	8.000E+02
0.	4.132E-26	2.470E-01	1.814E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.406E-23	2.486E-01	2.085E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.418E-19	2.492E-01	2.291E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.414E-19	2.496E-01	2.426E-20	9.273E-34	0.	0.	0.	0.	1.200E+03
0.	1.355E-17	2.497E-01	2.496E-20	1.728E-32	0.	0.	0.	0.	1.300E+03
0.	3.188E-16	2.498E-01	2.512E-20	2.086E-31	0.	0.	0.	0.	1.400E+03
0.	4.931E-15	2.499E-01	2.487E-20	1.782E-30	0.	0.	0.	0.	1.500E+03
0.	5.426E-14	2.499E-01	2.432E-20	1.151E-29	0.	0.	0.	0.	1.600E+03
0.	4.508E-13	2.499E-01	2.359E-20	5.907E-29	0.	0.	0.	0.	1.700E+03
1.717E-27	2.964E-12	2.495E-01	2.275E-20	2.508E-28	0.	0.	0.	0.	1.800E+03
6.108E-25	1.600E-11	2.499E-01	2.148E-20	9.088E-28	0.	0.	0.	0.	1.900E+03
1.158E-22	7.305E-11	2.499E-01	2.199E-20	3.018E-27	8.635E-31	0.	0.	0.	2.000E+03
5.485E-21	2.888E-10	2.499E-01	5.373E-20	2.174E-26	1.080E-28	0.	0.	0.	2.100E+03
6.073E-20	1.008E-09	2.499E-01	3.211E-19	3.488E-25	3.298E-27	0.	0.	0.	2.200E+03
5.890E-19	3.159E-09	2.498E-01	1.967E-18	5.168E-24	6.348E-26	0.	0.	0.	2.300E+03
4.135E-18	9.005E-09	2.497E-01	1.034E-17	6.248E-23	9.356E-25	0.	0.	0.	2.400E+03
2.474E-17	2.361E-08	2.495E-01	4.822E-17	6.217E-22	1.108E-23	0.	0.	0.	2.500E+03
1.288E-16	5.751E-08	2.493E-01	2.003E-16	5.195E-21	1.043E-22	0.	0.	0.	2.600E+03
5.424E-16	1.312E-07	2.490E-01	7.497E-16	3.715E-20	8.929E-22	0.	0.	0.	2.700E+03
2.440E-15	2.821E-07	2.486E-01	2.558E-15	2.313E-19	6.325E-21	0.	0.	0.	2.800E+03
9.094E-15	5.754E-07	2.440E-01	8.031E-15	1.271E-18	3.908E-20	0.	0.	0.	2.900E+03
3.098E-14	1.119E-06	2.472E-01	2.340E-14	6.243E-18	2.135E-19	0.	0.	0.	3.000E+03
9.728E-14	2.085E-06	2.463E-01	6.370E-14	2.772E-17	1.044E-18	0.	0.	0.	3.100E+03
2.835E-13	3.735E-06	2.452E-01	1.631E-13	1.123E-16	4.607E-18	0.	0.	0.	3.200E+03
7.721E-13	6.496E-06	2.438E-01	3.950E-13	4.195E-16	1.856E-17	0.	0.	0.	3.300E+03
1.979E-12	1.080E-05	2.421E-01	9.092E-13	1.444E-15	6.869E-17	0.	0.	0.	3.400E+03
4.768E-12	1.754E-05	2.401E-01	1.997E-12	4.659E-15	2.355E-16	0.	0.	0.	3.500E+03
1.092E-11	2.770E-05	2.378E-01	4.202E-12	1.409E-14	7.513E-16	0.	0.	0.	3.600E+03
2.378E-11	4.264E-05	2.352E-01	8.522E-12	4.019E-14	2.245E-15	0.	0.	0.	3.700E+03
4.947E-11	6.413E-05	2.322E-01	1.654E-11	1.087E-13	6.310E-15	0.	0.	0.	3.800E+03
9.859E-11	9.436E-05	2.289E-01	3.129E-11	2.796E-13	1.676E-14	0.	0.	0.	3.900E+03
1.807E-10	1.380E-04	2.259E-01	5.724E-11	6.871E-13	4.227E-14	0.	0.	0.	4.000E+03
3.477E-10	1.925E-04	2.214E-01	1.017E-10	1.619E-12	1.015E-13	0.	0.	0.	4.100E+03
6.182E-10	2.677E-04	2.172E-01	1.761E-10	3.688E-12	2.330E-13	0.	0.	0.	4.200E+03
1.045E-09	3.662E-04	2.128E-01	2.973E-10	8.014E-12	5.125E-13	0.	0.	0.	4.300E+03
1.770E-09	4.934E-04	2.082E-01	4.908E-10	1.693E-11	1.084E-12	0.	0.	0.	4.400E+03
2.860E-09	6.595E-04	2.035E-01	7.934E-10	3.466E-11	2.207E-12	0.	0.	0.	4.500E+03
4.494E-09	8.596E-04	1.987E-01	1.258E-09	6.894E-11	4.343E-12	0.	0.	0.	4.600E+03
6.873E-09	1.114E-03	1.939E-01	1.958E-09	1.334E-10	8.272E-12	0.	0.	0.	4.700E+03
1.025E-08	1.427E-03	1.892E-01	2.999E-09	2.518E-10	1.578E-11	0.	0.	0.	4.800E+03
1.492E-08	1.809E-03	1.845E-01	4.523E-09	4.642E-10	2.759E-11	0.	0.	0.	4.900E+03
2.125E-08	2.271E-03	1.801E-01	6.726E-09	8.373E-10	4.831E-11	0.	0.	0.	5.000E+03
7.186E-08	3.488E-03	1.716E-01	1.430E-08	2.560E-09	1.374E-10	0.	0.	0.	5.100E+03
1.057E-07	4.518E-03	1.640E-01	2.904E-08	7.274E-09	3.804E-10	0.	0.	0.	5.200E+03
1.841E-07	5.986E-03	1.572E-01	5.655E-08	1.944E-08	8.738E-10	0.	0.	0.	5.300E+03
2.846E-07	7.963E-03	1.510E-01	1.059E-07	4.836E-08	1.981E-09	0.	0.	0.	5.400E+03
4.293E-07	1.042E-02	1.453E-01	1.911E-07	1.143E-07	4.224E-09	5.774E-26	0.	0.	5.500E+03
6.435E-07	1.374E-02	1.397E-01	3.325E-07	2.563E-07	6.557E-09	5.510E-25	0.	0.	5.600E+03
9.488E-07	1.812E-02	1.340E-01	5.844E-07	5.470E-07	1.646E-08	4.583E-24	0.	0.	5.700E+03
1.381E-06	2.390E-02	1.280E-01	9.053E-07	1.114E-06	3.074E-08	7.357E-23	0.	0.	5.800E+03
1.971E-06	3.161E-02	1.215E-01	1.417E-06	2.170E-06	5.365E-08	2.184E-22	0.	0.	5.900E+03
2.843E-06	4.134E-02	1.145E-01	2.143E-06	4.053E-06	9.117E-08	1.273E-21	0.	0.	6.000E+03
3.997E-06	5.421E-02	1.067E-01	3.131E-06	7.273E-06	1.494E-07	6.697E-21	0.	0.	6.100E+03
5.497E-06	7.082E-02	9.841E-02	4.418E-06	1.296E-05	2.365E-07	3.202E-20	0.	0.	6.200E+03
7.437E-06	9.454E-02	8.957E-02	6.025E-06	2.091E-05	3.622E-07	1.394E-19	0.	0.	6.300E+03
1.007E-05	1.240E-01	8.018E-02	7.961E-06	3.361E-05	5.376E-07	5.611E-19	0.	0.	6.400E+03
1.367E-05	1.609E-01	7.105E-02	1.012E-05	5.227E-05	7.741E-07	2.382E-18	0.	0.	6.500E+03
1.849E-05	2.099E-01	6.183E-02	1.249E-05	7.875E-05	1.083E-06	7.188E-18	0.	0.	6.600E+03
2.479E-05	2.739E-01	5.297E-02	1.494E-05	1.152E-04	1.474E-06	2.310E-17	0.	0.	6.700E+03
3.299E-05	3.549E-01	4.471E-02	1.735E-05	1.638E-04	1.955E-06	6.473E-17	0.	0.	6.800E+03
4.399E-05	4.589E-01	3.722E-02	1.961E-05	2.270E-04	2.530E-06	1.984E-16	0.	0.	6.900E+03
5.799E-05	5.919E-01	3.061E-02	2.163E-05	3.074E-04	3.203E-06	5.343E-16	0.	0.	7.000E+03
7.519E-05	7.619E-01	2.493E-02	2.334E-05	4.074E-04	3.974E-06	1.368E-15	0.	0.	7.100E+03
9.719E-05	9.819E-01	2.015E-02	2.474E-05	5.237E-04	4.841E-06	3.344E-15	0.	0.	7.200E+03
1.269E-04	1.269E-01	1.620E-02	2.581E-05	6.772E-04	5.803E-06	7.843E-15	0.	0.	7.300E+03
1.659E-04	1.659E-01	1.248E-02	2.654E-05	8.929E-04	6.858E-06	1.768E-14	0.	0.	7.400E+03
2.169E-04	2.169E-01	1.029E-02	2.711E-05	1.060E-03	8.005E-06	3.845E-14	0.	0.	7.500E+03
2.829E-04	2.829E-01	7.719E-03	2.694E-05	1.304E-03	9.304E-06	1.194E-13	0.	0.	7.600E+03
3.639E-04	3.639E-01	5.293E-03	2.527E-05	1.570E-03	1.060E-05	2.063E-13	0.	0.	7.700E+03
4.699E-04	4.699E-01	3.504E-03	2.263E-05	1.860E-03	1.179E-05	2.303E-13	0.	0.	7.800E+03
6.039E-04	6.039E-01	2.271E-03	1.962E-05	2.243E-03	1.307E-05	1.828E-13	1.995E-23	0.	1.400E+04
7.679E-04	7.679E-01	1.624E-03	1.640E-05	2.741E-03	1.450E-05	1.105E-12	1.283E-21	0.	1.500E+04
9.619E-04	9.619E-01	1.122E-03	1.312E-05	3.922E-03	1.605E-05	5.039E-12	5.039E-20	0.	1.600E+04
1.239E-03	1.239E-01	7.992E-04	9.992E-06	5.253E-03	1.783E-05	2.146E-11	1.317E-18	0.	1.700E+04
1.579E-03	1.579E-01	5.966E-04	6.632E-06	7.223E-03	1.985E-05	7.397E-11	2.467E-17	0.	1.800E+04
2.009E-03	2.009E-01	4.434E-04	4.958E-06	9.466E-03	2.201E-05	2.232E-10	3.495E-16	0.	1.900E+04
2.569E-03	2.569E-01	3.250E-04	3.250E-06	1.200E-02	3.343E-05	6.044E-06	3.915E-15	0.	2.000E+04

TABLE II.- Continued

T	E-	NP3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	3.306E-01	1.279E-15	4.469E-11	9.047E-04	1.229E-16	2.717E-01	8.40E-04	7.493E-05	2.302E-01
2.200E+04	3.652E-01	3.204E-16	1.577E-11	4.753E-04	2.860E-17	2.184E-01	4.459E-04	6.053E-05	2.576E-01
2.300E+04	3.937E-01	7.818E-17	5.443E-12	2.453E-04	6.510E-18	1.738E-01	2.319E-04	4.719E-05	2.608E-01
2.400E+04	4.165E-01	1.896E-17	1.871E-12	1.259E-04	1.484E-18	1.378E-01	1.196E-04	3.588E-05	2.998E-01
2.500E+04	4.342E-01	4.661E-18	6.499E-13	6.497E-07	3.452E-19	1.094E-01	6.174E-07	2.687E-05	3.149E-01
2.600E+04	4.479E-01	1.180E-18	2.308E-13	3.395E-07	8.318E-20	8.742E-02	3.219E-07	1.988E-05	3.264E-01
2.700E+04	4.585E-01	3.110E-19	8.442E-14	1.805E-07	2.094E-20	7.048E-02	1.705E-07	1.484E-05	3.354E-01
2.800E+04	4.668E-01	8.577E-20	3.194E-14	9.792E-08	5.535E-21	5.744E-02	9.213E-08	1.176E-05	3.425E-01
2.900E+04	4.734E-01	2.482E-20	1.252E-14	5.424E-08	1.534E-21	4.737E-02	5.091E-08	8.789E-06	3.476E-01
3.000E+04	4.788E-01	7.538E-21	5.083E-15	3.044E-08	4.468E-22	3.954E-02	2.880E-08	6.283E-06	3.513E-01
3.100E+04	4.836E-01	2.397E-21	2.132E-15	1.745E-08	1.354E-22	3.338E-02	1.668E-08	4.773E-06	3.539E-01
3.200E+04	4.880E-01	7.951E-22	9.215E-16	1.032E-08	4.270E-23	2.859E-02	9.884E-09	3.070E-06	3.555E-01
3.300E+04	4.923E-01	2.741E-22	4.088E-16	6.108E-09	1.386E-23	2.458E-02	5.992E-09	2.047E-06	3.562E-01
3.400E+04	4.967E-01	9.771E-23	1.854E-16	3.650E-09	4.604E-24	2.140E-02	3.710E-09	2.228E-06	3.561E-01
3.500E+04	5.012E-01	3.587E-23	8.567E-17	2.105E-09	1.554E-24	1.879E-02	2.344E-09	1.758E-06	3.553E-01
3.600E+04	5.059E-01	1.350E-23	4.013E-17	1.324E-09	5.313E-25	1.662E-02	1.509E-09	1.398E-06	3.539E-01
3.700E+04	5.108E-01	5.192E-24	1.904E-17	8.000E-10	1.827E-25	1.481E-02	9.892E-10	1.121E-06	3.521E-01
3.800E+04	5.154E-01	2.035E-24	9.140E-18	4.839E-10	6.303E-26	1.328E-02	6.594E-10	9.052E-07	3.500E-01
3.900E+04	5.204E-01	8.121E-25	4.408E-18	2.921E-10	2.181E-26	1.197E-02	4.464E-10	7.368E-07	3.477E-01
4.000E+04	5.249E-01	3.296E-25	2.173E-18	1.745E-10	7.572E-27	1.085E-02	3.070E-10	6.042E-07	3.455E-01
4.100E+04	5.290E-01	1.360E-25	1.044E-18	1.067E-10	2.641E-27	9.884E-03	2.140E-10	4.992E-07	3.433E-01
4.200E+04	5.328E-01	5.711E-26	5.299E-19	6.471E-11	9.282E-28	9.040E-03	1.512E-10	4.154E-07	3.412E-01
4.300E+04	5.362E-01	2.441E-26	2.688E-19	3.938E-11	3.294E-28	8.301E-03	1.082E-10	3.481E-07	3.395E-01
4.400E+04	5.392E-01	1.063E-26	1.360E-19	2.408E-11	1.183E-28	7.650E-03	7.634E-11	2.936E-07	3.380E-01
4.500E+04	5.418E-01	4.713E-27	7.019E-20	1.482E-11	4.312E-29	7.073E-03	5.737E-11	2.492E-07	3.364E-01
4.600E+04	5.442E-01	2.130E-27	3.671E-20	9.180E-12	1.594E-29	6.560E-03	4.247E-11	2.128E-07	3.353E-01
4.700E+04	5.463E-01	9.801E-28	1.945E-20	5.729E-12	6.004E-30	6.101E-03	3.175E-11	1.827E-07	3.342E-01
4.800E+04	5.483E-01	4.592E-28	1.044E-20	3.602E-12	2.298E-30	5.689E-03	2.396E-11	1.574E-07	3.331E-01
4.900E+04	5.502E-01	2.189E-28	5.674E-21	2.281E-12	8.932E-31	5.317E-03	1.825E-11	1.364E-07	3.321E-01
5.000E+04	5.520E-01	1.060E-28	3.122E-21	1.454E-12	3.524E-31	4.980E-03	1.401E-11	1.189E-07	3.310E-01

P/P0 = 4.00E-01

T	E-	NP3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	J.	6.116E-01	1.550E-20	6.276E-35	1.677E-28	5.985E-22	2.913E-01	1.365E-18	1.113E-21
5.000E+02	J.	2.691E-01	3.035E-17	6.594E-25	4.590E-24	5.442E-18	5.481E-01	1.068E-18	3.438E-21
7.000E+02	J.	6.941E-02	4.693E-15	1.642E-24	1.444E-21	3.317E-15	6.824E-01	9.078E-19	8.899E-21
8.000E+02	J.	3.089E-02	1.735E-13	1.327E-21	1.367E-19	3.916E-13	7.248E-01	4.428E-19	2.009E-20
9.000E+02	J.	1.251E-02	2.744E-12	3.344E-19	4.605E-18	1.594E-11	7.400E-01	8.049E-19	3.920E-20
1.000E+03	J.	5.911E-03	2.410E-11	2.778E-17	6.958E-17	3.102E-10	7.456E-01	7.689E-19	6.681E-20
1.100E+03	J.	3.167E-03	1.431E-10	1.620E-15	4.624E-16	3.537E-09	7.476E-01	7.292E-19	1.021E-19
1.200E+03	J.	1.875E-03	6.272E-10	7.369E-14	4.336E-15	2.700E-08	7.486E-01	6.856E-19	1.432E-19
1.300E+03	J.	1.201E-03	2.185E-09	2.634E-13	2.130E-14	1.513E-07	7.491E-01	6.399E-19	1.876E-19
1.400E+03	J.	8.203E-04	6.340E-09	2.371E-12	4.359E-14	6.654E-07	7.494E-01	5.935E-19	2.331E-19
1.500E+03	J.	5.400E-04	1.604E-08	1.343E-11	2.742E-13	2.400E-06	7.496E-01	5.494E-19	2.777E-19
1.600E+03	J.	3.047E-04	3.604E-08	6.062E-11	7.775E-13	7.496E-06	7.497E-01	5.074E-19	3.200E-19
1.700E+03	J.	2.021E-04	7.357E-08	3.468E-10	1.958E-12	2.015E-05	7.497E-01	4.686E-19	3.594E-19
1.800E+03	J.	1.244E-04	2.755E-08	1.896E-09	4.452E-12	4.896E-05	7.498E-01	4.333E-19	3.954E-19
1.900E+03	J.	7.933E-05	2.241E-08	4.050E-09	9.288E-12	1.085E-04	7.497E-01	4.017E-19	4.282E-19
2.000E+03	J.	4.881E-05	4.081E-07	1.151E-08	1.814E-11	2.223E-04	7.497E-01	3.901E-19	4.782E-19
2.100E+03	J.	2.822E-05	1.495E-07	4.081E-07	1.151E-11	2.223E-04	7.497E-01	3.901E-19	4.782E-19
2.200E+03	J.	1.362E-05	4.478E-07	2.962E-08	3.322E-11	4.258E-04	7.495E-01	9.059E-19	1.260E-18
2.300E+03	J.	7.289E-06	9.854E-07	4.945E-08	5.766E-11	7.695E-04	7.492E-01	5.766E-18	6.217E-18
2.400E+03	J.	4.022E-06	1.446E-06	1.533E-07	9.553E-11	1.322E-03	7.488E-01	3.104E-17	3.377E-17
2.500E+03	J.	2.142E-06	2.054E-06	3.146E-07	1.519E-10	2.171E-03	7.486E-01	1.613E-16	3.976E-16
2.600E+03	J.	1.109E-06	2.835E-06	6.094E-07	2.328E-10	3.628E-03	7.486E-01	7.303E-16	1.578E-15
2.700E+03	J.	6.055E-07	3.813E-06	1.121E-06	3.494E-10	5.229E-03	7.454E-01	3.011E-15	2.606E-15
2.800E+03	J.	3.825E-07	6.451E-06	3.326E-06	6.980E-10	1.111E-02	7.402E-01	3.718E-14	9.731E-14
2.900E+03	J.	2.344E-07	8.144E-06	5.438E-06	9.551E-10	1.556E-02	7.363E-01	1.148E-13	3.212E-13
3.000E+03	J.	1.301E-07	1.010E-05	8.501E-06	1.278E-09	2.130E-02	7.313E-01	3.291E-13	6.600E-13
3.100E+03	J.	6.323E-08	1.232E-05	1.296E-05	1.673E-09	2.855E-02	7.250E-01	8.810E-13	2.705E-12
3.200E+03	J.	3.515E-08	1.479E-05	1.921E-05	2.168E-09	3.753E-02	7.171E-01	2.717E-12	7.418E-12
3.300E+03	J.	2.352E-08	1.749E-05	2.775E-05	2.706E-09	4.887E-02	7.075E-01	5.271E-12	1.863E-11
3.400E+03	J.	1.516E-08	2.03E-05	3.912E-05	3.347E-09	6.155E-02	6.961E-01	1.189E-11	4.433E-11
3.500E+03	J.	8.232E-09	2.345E-05	5.393E-05	4.070E-09	7.695E-02	6.824E-01	2.597E-11	1.004E-10
3.600E+03	J.	4.832E-09	2.661E-05	7.282E-05	4.868E-09	9.482E-02	6.684E-01	5.259E-11	2.173E-10
3.700E+03	J.	2.894E-09	3.525E-05	9.639E-05	5.723E-09	1.152E-01	6.450E-01	1.037E-10	4.508E-10
3.800E+03	J.	1.664E-09	3.711E-05	1.253E-04	6.624E-09	1.383E-01	6.284E-01	1.968E-10	8.999E-10
3.900E+03	J.	9.217E-10	2.980E-05	1.599E-04	7.544E-09	1.638E-01	6.065E-01	3.600E-10	1.732E-09
4.000E+03	J.	5.731E-10	2.618E-05	2.008E-04	8.473E-09	1.919E-01	5.819E-01	6.363E-10	3.225E-09
4.100E+03	J.	3.663E-10	2.341E-05	2.431E-04	9.368E-09	2.221E-01	5.594E-01	1.084E-09	5.818E-09
4.200E+03	J.	2.150E-10	2.077E-05	3.023E-04	1.021E-08	2.545E-01	5.271E-01	1.888E-09	1.019E-08
4.300E+03	J.	1.193E-10	1.829E-05	3.629E-04	1.097E-08	2.885E-01	4.972E-01	2.916E-09	1.737E-08
4.400E+03	J.	6.217E-11	1.598E-05	4.297E-04	1.162E-08	3.238E-01	4.638E-01	4.576E-09	2.864E-08
4.500E+03	J.	3.174E-11	1.384E-05	4.721E-04	1.215E-08	3.599E-01	4.365E-01	6.996E-09	4.679E-08
4.600E+03	J.	1.639E-11	1.189E-05	4.795E-04	1.254E-08	3.965E-01	4.024E-01	1.044E-08	6.415E-08
4.700E+03	J.	8.294E-12	1.013E-05	4.719E-04	1.278E-08	4.329E-01	3.784E-01	1.528E-08	1.150E-07
4.800E+03	J.	4.494E-12	8.560E-06	4.647E-04	1.299E-08	4.688E-01	3.589E-01	2.167E-08	1.748E-07

TABLE II. - Continued

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
5.673E-05	6.692E-02	8.244E-07	2.053E-06	1.004E-01	2.535E-05	1.491E-05	3.591E-14	0.	2.100E+04
4.287E-05	5.108E-02	3.459E-07	1.265E-06	1.076E-01	1.847E-05	3.402E-05	2.774E-13	0.	2.200E+04
3.137E-05	3.673E-02	1.492E-07	7.698E-07	1.128E-01	1.310E-05	7.262E-05	1.844E-12	0.	2.300E+04
2.247E-05	2.937E-02	6.460E-08	4.679E-07	1.164E-01	9.155E-06	1.464E-04	1.074E-11	0.	2.400E+04
1.592E-05	2.240E-02	2.863E-08	2.863E-07	1.188E-01	4.368E-06	2.806E-04	5.533E-11	0.	2.500E+04
1.125E-05	1.724E-02	1.306E-08	1.773E-07	1.203E-01	4.440E-06	5.144E-04	2.577E-10	0.	2.600E+04
7.945E-06	1.342E-02	6.139E-09	1.115E-07	1.211E-01	3.117E-06	9.054E-04	1.004E-09	0.	2.700E+04
5.715E-06	1.056E-02	2.975E-09	7.109E-08	1.212E-01	2.209E-06	1.935E-03	4.160E-09	0.	2.800E+04
4.141E-06	8.423E-03	1.482E-09	4.594E-08	1.207E-01	1.582E-06	2.510E-03	1.467E-08	0.	2.900E+04
3.044E-06	6.747E-03	7.574E-10	3.003E-08	1.196E-01	1.145E-06	3.967E-03	4.777E-08	0.	3.000E+04
2.275E-06	5.454E-03	3.946E-10	1.974E-08	1.176E-01	8.358E-07	6.062E-03	1.442E-07	0.	3.100E+04
1.729E-06	4.424E-03	2.045E-10	1.302E-08	1.146E-01	6.144E-07	8.958E-03	4.051E-07	0.	3.200E+04
1.338E-06	3.599E-03	1.111E-10	8.550E-09	1.105E-01	4.937E-07	1.290E-02	1.061E-06	0.	3.300E+04
1.053E-06	2.921E-03	5.933E-11	5.574E-09	1.052E-01	3.356E-07	1.766E-02	2.599E-06	0.	3.400E+04
8.441E-07	2.360E-03	3.158E-11	3.584E-09	9.878E-02	2.481E-07	2.355E-02	5.963E-06	4.672E-13	3.500E+04
6.880E-07	1.893E-03	1.667E-11	2.265E-09	9.127E-02	1.827E-07	3.034E-02	1.205E-05	2.139E-05	3.600E+04
5.657E-07	1.506E-03	8.700E-12	1.403E-09	8.294E-02	1.334E-07	3.780E-02	2.610E-05	8.862E-12	3.700E+04
4.677E-07	1.167E-03	4.661E-12	8.519E-10	7.423E-02	9.754E-08	4.562E-02	5.013E-05	3.347E-11	3.800E+04
4.077E-07	9.270E-04	2.278E-12	5.071E-10	6.563E-02	7.056E-08	5.346E-02	9.147E-05	1.161E-10	3.900E+04
3.514E-07	7.177E-04	1.144E-12	2.968E-10	5.690E-02	5.072E-08	6.101E-02	1.593E-04	3.727E-10	4.000E+04
3.063E-07	5.515E-04	5.994E-13	1.710E-10	4.892E-02	3.627E-08	6.800E-02	2.661E-04	1.115E-09	4.100E+04
2.695E-07	4.215E-04	2.816E-13	9.751E-11	4.168E-02	2.593E-08	7.426E-02	4.280E-04	3.129E-09	4.200E+04
2.392E-07	3.206E-04	1.386E-13	5.521E-11	3.527E-02	1.835E-08	7.969E-02	6.659E-04	6.287E-09	4.300E+04
2.140E-07	2.368E-04	6.845E-14	3.114E-11	2.970E-02	1.303E-08	8.426E-02	1.004E-03	2.087E-08	4.400E+04
1.927E-07	1.868E-04	3.364E-14	1.755E-11	2.492E-02	9.254E-09	8.796E-02	1.479E-03	4.989E-08	4.500E+04
1.746E-07	1.402E-04	1.681E-14	9.950E-12	2.097E-02	6.588E-09	9.082E-02	2.122E-03	1.144E-07	4.600E+04
1.591E-07	1.064E-04	8.425E-15	5.670E-12	1.746E-02	4.647E-09	9.288E-02	2.979E-03	2.516E-07	4.700E+04
1.456E-07	8.093E-05	4.231E-15	3.180E-12	1.460E-02	3.366E-09	9.415E-02	4.097E-03	5.327E-07	4.800E+04
1.339E-07	6.162E-05	2.142E-15	1.812E-12	1.220E-02	2.411E-09	9.667E-02	5.526E-03	1.088E-06	4.900E+04
1.236E-07	4.689E-05	1.093E-15	1.036E-12	1.019E-02	1.735E-09	9.644E-02	7.316E-03	2.146E-06	5.000E+04

P/PO = 4.00E+01

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	9.710E-02	6.521E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.827E-01	9.198E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.276E-01	1.186E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.411E-29	2.423E-01	1.501E-20	0.	0.	0.	0.	0.	8.000E+02
0.	4.026E-26	2.469E-01	1.817E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.365E-23	2.465E-01	2.089E-20	0.	0.	0.	0.	0.	1.000E+03
0.	3.308E-21	2.492E-01	2.298E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.327E-19	2.495E-01	2.437E-20	9.079E-34	0.	0.	0.	0.	1.200E+03
0.	1.321E-17	2.497E-01	2.511E-20	1.854E-32	0.	0.	0.	0.	1.300E+03
0.	3.107E-16	2.498E-01	2.530E-20	2.049E-31	0.	0.	0.	0.	1.400E+03
0.	6.606E-15	2.499E-01	2.508E-20	1.757E-30	0.	0.	0.	0.	1.500E+03
0.	5.288E-14	2.499E-01	2.456E-20	1.132E-29	0.	0.	0.	0.	1.600E+03
0.	3.394E-13	2.499E-01	2.385E-20	5.821E-29	0.	0.	0.	0.	1.700E+03
1.653E-27	2.689E-12	2.499E-01	2.307E-20	2.474E-28	0.	0.	0.	0.	1.800E+03
5.877E-25	1.560E-11	2.499E-01	2.218E-20	8.974E-28	0.	0.	0.	0.	1.900E+03
1.116E-22	7.120E-11	2.499E-01	2.220E-20	2.974E-27	8.323E-31	0.	0.	0.	2.000E+03
5.403E-21	2.815E-11	2.499E-01	5.317E-20	2.096E-26	1.049E-28	0.	0.	0.	2.100E+03
6.813E-20	9.424E-11	2.499E-01	3.172E-19	3.343E-25	3.264E-27	0.	0.	0.	2.200E+03
5.842E-19	3.379E-10	2.498E-01	1.914E-18	4.950E-24	4.796E-26	0.	0.	0.	2.300E+03
4.100E-18	8.777E-10	2.497E-01	1.016E-17	5.986E-23	9.278E-25	0.	0.	0.	2.400E+03
2.935E-17	2.302E-09	2.495E-01	4.741E-17	5.959E-22	1.098E-23	0.	0.	0.	2.500E+03
1.277E-16	5.606E-08	2.493E-01	1.965E-16	4.979E-21	1.073E-22	0.	0.	0.	2.600E+03
5.871E-16	1.279E-07	2.490E-01	7.376E-16	3.562E-20	8.464E-22	0.	0.	0.	2.700E+03
2.417E-15	2.749E-07	2.488E-01	2.517E-15	2.218E-19	6.767E-21	0.	0.	0.	2.800E+03
9.011E-15	5.409E-07	2.490E-01	7.903E-15	1.219E-18	3.872E-20	0.	0.	0.	2.900E+03
3.070E-14	1.091E-06	2.473E-01	2.303E-14	5.989E-18	2.115E-19	0.	0.	0.	3.000E+03
9.639E-14	2.033E-06	2.464E-01	6.271E-14	2.659E-17	1.034E-18	0.	0.	0.	3.100E+03
2.810E-13	3.641E-06	2.453E-01	1.636E-13	1.077E-16	4.563E-18	0.	0.	0.	3.200E+03
7.651E-13	6.295E-06	2.439E-01	3.641E-13	4.016E-16	1.838E-17	0.	0.	0.	3.300E+03
1.957E-12	1.353E-05	2.423E-01	8.956E-13	1.387E-15	6.804E-17	0.	0.	0.	3.400E+03
4.727E-12	1.710E-05	2.403E-01	1.968E-12	4.472E-15	2.331E-16	0.	0.	0.	3.500E+03
1.063E-11	2.701E-05	2.381E-01	4.142E-12	1.353E-14	7.444E-16	0.	0.	0.	3.600E+03
2.739E-11	4.160E-05	2.355E-01	8.800E-12	3.659E-16	2.224E-15	0.	0.	0.	3.700E+03
4.911E-11	6.256E-05	2.326E-01	1.635E-11	1.043E-15	6.255E-15	0.	0.	0.	3.800E+03
9.792E-11	9.236E-05	2.294E-01	3.086E-11	2.884E-13	1.662E-14	0.	0.	0.	3.900E+03
1.875E-10	1.320E-04	2.258E-01	5.645E-11	6.557E-13	4.193E-14	0.	0.	0.	4.000E+03
3.458E-10	1.879E-04	2.220E-01	1.007E-10	1.554E-12	1.007E-13	0.	0.	0.	4.100E+03
6.155E-10	2.613E-04	2.179E-01	1.737E-10	3.921E-12	2.313E-13	0.	0.	0.	4.200E+03
1.059E-09	3.575E-04	2.135E-01	2.933E-10	7.493E-12	5.390E-13	0.	0.	0.	4.300E+03
1.766E-09	4.816E-04	2.090E-01	4.843E-10	1.625E-11	1.077E-12	0.	0.	0.	4.400E+03
2.857E-09	6.433E-04	2.043E-01	7.828E-10	3.324E-11	2.194E-12	0.	0.	0.	4.500E+03
4.494E-09	8.399E-04	1.996E-01	1.241E-09	6.014E-11	4.320E-12	0.	0.	0.	4.600E+03
6.893E-09	1.164E-03	1.945E-01	1.932E-09	1.283E-10	8.233E-12	0.	0.	0.	4.700E+03
1.028E-08	1.574E-03	1.901E-01	2.958E-09	2.415E-10	1.522E-11	0.	0.	0.	4.800E+03

TABLE II. - Continued

T	E-	M3	M2	M1	M2M1	M	M2	M2+	M+
4.900E+03	2.809E-07	7.178E-06	4.532E-05	8.366E-04	1.289E-08	5.030E-01	3.092E-01	3.074E-08	2.600E-07
5.000E+03	4.094E-07	5.976E-06	4.382E-05	9.267E-04	1.269E-08	5.370E-01	2.788E-01	4.117E-08	3.820E-07
5.200E+03	8.288E-07	4.044E-06	4.000E-05	1.109E-03	1.204E-08	5.982E-01	2.247E-01	7.330E-08	7.799E-07
5.400E+03	1.584E-06	2.710E-06	3.557E-05	1.280E-03	1.114E-08	6.506E-01	1.782E-01	1.217E-07	1.500E-06
5.600E+03	2.878E-06	1.783E-06	3.100E-05	1.461E-03	1.066E-08	6.939E-01	1.396E-01	1.910E-07	2.739E-06
5.800E+03	5.001E-06	1.164E-06	2.662E-05	1.629E-03	8.932E-09	7.277E-01	1.067E-01	2.858E-07	4.788E-06
6.000E+03	8.359E-06	7.619E-07	2.263E-05	1.777E-03	7.838E-09	7.536E-01	8.439E-02	4.164E-07	7.967E-06
6.200E+03	1.350E-05	4.994E-07	1.911E-05	1.914E-03	6.815E-09	7.729E-01	6.952E-02	5.699E-07	1.274E-05
6.400E+03	2.115E-05	2.938E-07	1.607E-05	2.040E-03	5.888E-09	7.866E-01	5.107E-02	7.688E-07	1.992E-05
6.600E+03	3.224E-05	2.188E-07	1.348E-05	2.149E-03	5.038E-09	7.959E-01	4.301E-02	1.009E-06	3.013E-05
6.800E+03	4.798E-05	1.466E-07	1.128E-05	2.239E-03	4.287E-09	8.016E-01	3.154E-02	1.297E-06	4.437E-05
7.000E+03	6.986E-05	9.898E-08	9.424E-06	2.312E-03	3.614E-09	8.049E-01	2.504E-02	1.634E-06	6.378E-05
7.200E+03	9.973E-05	6.733E-08	7.856E-06	2.359E-03	3.030E-09	8.050E-01	2.002E-02	2.024E-06	8.968E-05
7.400E+03	1.398E-04	4.410E-08	6.533E-06	2.386E-03	2.513E-09	8.036E-01	1.612E-02	2.468E-06	1.234E-04
7.600E+03	1.929E-04	3.175E-08	5.417E-06	2.388E-03	2.062E-09	8.007E-01	1.308E-02	2.969E-06	1.677E-04
7.800E+03	2.620E-04	2.198E-08	4.478E-06	2.363E-03	1.673E-09	7.968E-01	1.069E-02	3.528E-06	2.226E-04
8.000E+03	3.509E-04	1.529E-08	3.690E-06	2.317E-03	1.341E-09	7.921E-01	8.797E-03	4.147E-06	2.917E-04
8.200E+03	4.638E-04	1.068E-08	3.030E-06	2.249E-03	1.062E-09	7.869E-01	7.296E-03	4.830E-06	3.739E-04
8.400E+03	6.052E-04	7.496E-09	2.481E-06	2.162E-03	8.311E-10	7.816E-01	6.097E-03	5.583E-06	4.819E-04
8.600E+03	7.812E-04	5.285E-09	2.027E-06	2.061E-03	6.439E-10	7.763E-01	5.133E-03	6.499E-06	6.099E-04
8.800E+03	9.968E-04	3.745E-09	1.653E-06	1.948E-03	4.931E-10	7.719E-01	4.355E-03	7.318E-06	7.618E-04
9.000E+03	1.259E-03	2.670E-09	1.348E-06	1.827E-03	3.750E-10	7.687E-01	3.723E-03	8.316E-06	9.468E-04
9.200E+03	1.574E-03	1.913E-09	1.097E-06	1.708E-03	2.839E-10	7.662E-01	3.205E-03	9.413E-06	1.162E-03
9.400E+03	1.950E-03	1.384E-09	8.846E-07	1.588E-03	2.139E-10	7.649E-01	2.779E-03	1.061E-05	1.419E-03
9.600E+03	2.394E-03	1.007E-09	7.309E-07	1.471E-03	1.689E-10	7.649E-01	2.424E-03	1.192E-05	1.738E-03
9.800E+03	2.916E-03	7.386E-10	5.986E-07	1.359E-03	1.207E-10	7.629E-01	2.128E-03	1.336E-05	2.071E-03
1.000E+04	3.524E-03	5.460E-10	4.916E-07	1.254E-03	9.066E-11	7.633E-01	1.878E-03	1.479E-05	2.439E-03
1.000E+04	4.203E-03	3.354E-10	3.946E-07	1.160E-03	6.606E-11	7.394E-01	1.674E-03	2.462E-05	2.931E-03
1.200E+04	1.664E-02	3.965E-11	9.429E-08	5.749E-04	6.700E-12	7.264E-01	6.639E-04	3.732E-05	1.110E-02
1.300E+04	3.225E-02	1.307E-11	3.904E-08	4.089E-04	2.134E-12	7.074E-01	4.294E-04	5.383E-05	1.964E-02
1.400E+04	5.026E-02	4.625E-12	1.879E-08	2.812E-04	7.274E-13	6.790E-01	2.848E-04	6.971E-05	3.293E-02
1.500E+04	7.743E-02	1.646E-12	9.127E-09	1.952E-04	2.494E-13	6.496E-01	1.898E-04	8.620E-05	5.068E-02
1.600E+04	1.113E-01	6.090E-13	4.367E-09	1.323E-04	8.516E-14	5.925E-01	1.230E-04	9.956E-05	7.339E-02
1.700E+04	1.520E-01	2.129E-13	2.017E-09	8.655E-05	2.763E-14	5.352E-01	7.939E-05	1.078E-04	1.009E-01
1.800E+04	1.963E-01	7.005E-14	8.864E-10	5.615E-05	8.537E-15	4.716E-01	4.920E-05	1.694E-04	1.311E-01
1.900E+04	2.419E-01	2.153E-14	3.678E-10	3.230E-05	2.432E-15	4.047E-01	2.934E-05	1.042E-04	1.636E-01
2.000E+04	2.881E-01	6.157E-15	1.439E-10	1.838E-05	6.429E-16	3.391E-01	1.681E-05	6.976E-05	1.961E-01
2.100E+04	3.263E-01	1.649E-15	5.366E-11	1.004E-05	1.993E-16	2.782E-01	9.272E-06	7.951E-05	2.268E-01
2.200E+04	3.612E-01	4.204E-16	1.910E-11	5.319E-06	3.771E-17	2.266E-01	6.469E-06	6.469E-05	2.593E-01
2.300E+04	3.942E-01	1.041E-16	4.9E-12	2.766E-06	3.771E-17	1.794E-01	2.601E-06	5.073E-05	2.778E-01
2.400E+04	4.134E-01	2.557E-17	2.315E-12	1.429E-06	8.012E-18	1.427E-01	1.370E-06	3.878E-05	2.972E-01
2.500E+04	4.316E-01	6.358E-18	9.109E-13	7.414E-07	4.137E-19	1.137E-01	7.012E-07	2.917E-05	3.126E-01
2.600E+04	4.457E-01	1.625E-18	2.899E-13	3.890E-07	1.150E-19	9.102E-02	3.673E-07	2.177E-05	3.267E-01
2.700E+04	4.564E-01	4.312E-19	1.064E-13	2.076E-07	2.916E-20	7.392E-02	1.953E-07	1.621E-05	3.360E-01
2.800E+04	4.652E-01	1.196E-19	4.052E-14	1.129E-07	7.749E-21	6.002E-02	1.059E-07	1.211E-05	3.411E-01
2.900E+04	4.720E-01	3.480E-20	1.594E-14	6.271E-08	2.161E-21	4.950E-02	5.864E-08	9.097E-06	3.464E-01
3.000E+04	4.776E-01	1.061E-20	6.491E-15	3.552E-08	6.314E-22	4.168E-02	3.324E-08	6.884E-06	3.504E-01
3.100E+04	4.825E-01	3.386E-21	2.731E-15	2.049E-08	1.924E-22	3.468E-02	1.928E-08	5.753E-06	3.531E-01
3.200E+04	4.870E-01	1.127E-21	1.184E-15	1.200E-08	6.086E-23	2.988E-02	1.144E-08	4.664E-06	3.569E-01
3.300E+04	4.913E-01	3.899E-22	5.266E-16	7.124E-09	1.985E-23	2.579E-02	6.962E-09	3.140E-06	3.597E-01
3.400E+04	4.957E-01	1.395E-22	2.394E-16	4.269E-09	6.679E-24	2.266E-02	4.302E-09	2.459E-06	3.628E-01
3.500E+04	5.002E-01	5.139E-23	1.111E-16	2.574E-09	2.253E-24	1.973E-02	2.720E-09	1.827E-06	3.651E-01
3.600E+04	5.049E-01	1.942E-23	5.126E-17	1.558E-09	7.766E-25	1.746E-02	1.752E-09	1.365E-06	3.699E-01
3.700E+04	5.097E-01	7.499E-24	2.490E-17	9.469E-10	2.682E-25	1.556E-02	1.149E-09	1.239E-06	3.721E-01
3.800E+04	5.146E-01	2.952E-24	1.194E-17	5.731E-10	9.324E-26	1.395E-02	7.664E-10	1.002E-06	3.748E-01
3.900E+04	5.193E-01	1.183E-24	5.818E-18	3.75E-10	3.251E-26	1.259E-02	5.193E-10	8.155E-07	3.779E-01
4.000E+04	5.239E-01	4.620E-25	2.453E-18	2.108E-10	1.137E-26	1.141E-02	3.571E-10	6.698E-07	3.815E-01
4.100E+04	5.281E-01	1.997E-25	1.412E-18	1.279E-10	3.995E-27	1.039E-02	2.498E-10	5.528E-07	3.855E-01
4.200E+04	5.319E-01	8.416E-26	7.054E-19	7.782E-11	1.413E-27	9.508E-03	1.768E-10	4.688E-07	3.895E-01
4.300E+04	5.354E-01	3.680E-26	3.563E-19	4.750E-11	5.045E-28	8.729E-03	1.259E-10	3.855E-07	3.937E-01
4.400E+04	5.384E-01	1.575E-26	1.821E-19	2.913E-11	1.822E-28	8.045E-03	9.121E-11	3.252E-07	3.981E-01
4.500E+04	5.411E-01	7.055E-27	9.423E-20	1.797E-11	6.674E-29	7.439E-03	6.681E-11	2.761E-07	3.967E-01
4.600E+04	5.436E-01	3.172E-27	4.959E-20	1.116E-11	2.481E-29	6.900E-03	4.965E-11	2.357E-07	3.954E-01
4.700E+04	5.457E-01	1.463E-27	2.623E-20	6.976E-12	9.374E-30	6.418E-03	3.698E-11	2.024E-07	3.943E-01
4.800E+04	5.477E-01	6.669E-28	1.411E-20	4.394E-12	3.594E-30	5.985E-03	2.791E-11	1.766E-07	3.932E-01
4.900E+04	5.497E-01	3.288E-28	7.681E-21	2.787E-12	1.604E-30	5.594E-03	2.125E-11	1.513E-07	3.922E-01
5.000E+04	5.515E-01	1.592E-28	4.232E-21	1.788E-12	5.563E-31	5.240E-03	1.632E-11	1.317E-07	3.911E-01

P/PD = 4.20E+01

T	E-	M3	M2	M1	M2M1	M	M2	M2+	M+
5.000E+02	0.	6.188E-01	1.544E-20	6.168E-35	1.696E-28	5.786E-22	2.059E-01	1.371E-18	1.101E-21
6.000E+02	0.	2.767E-01	3.861E-17	6.516E-29	2.560E-24	5.283E-18	5.424E-01	1.075E-18	3.794E-21
7.000E+02	0.	9.312E-02	4.779E-15	1.038E-24	1.904E-21	3.238E-15	6.802E-01	5.183E-18	6.604E-21
8.000E+02	0.	3.264E-02	1.755E-13	1.325E-21	1.431E-19	3.819E-13	7.257E-01	6.664E-18	1.960E-20
9.000E+02	0.	1.312E-02	2.789E-12	3.344E-19	4.628E-18	1.555E-11	7.662E-01	6.862E-18	3.633E-20
1.000E+03	0.	6.203E-03	2.469E-11	2.767E-17	7.382E-17	3.027E-17	7.673E-01	7.786E-18	5.564E-20
1.100E+03	0.	3.374E-03	1.466E-10	1.819E-15	6.956E-16	3.451E-16	7.673E-01	7.316E-18	6.997E-20
1.200E+03	0.	1.988E-03	8.232E-10	2.769E-14	4.952E-15	2.659E-15	7.489E-01	6.889E-18	1.403E-19

TABLE II.- Continued

N1	N2	N3	N4	N5	N6	N7	N8	N9	N10
1.499E-08	1.767E-03	1.855E-01	4.460E-09	4.450E-10	2.769E-11	0.	0.	0.	4.900E+03
2.130E-08	2.219E-03	1.810E-01	6.629E-09	8.020E-10	4.815E-11	0.	0.	0.	5.000E+03
4.009E-08	3.407E-03	1.723E-01	1.409E-08	2.451E-09	1.375E-10	0.	0.	0.	5.200E+03
7.271E-08	5.168E-03	1.649E-01	2.857E-08	6.957E-09	3.598E-10	0.	0.	0.	5.400E+03
1.214E-07	7.334E-03	1.580E-01	5.558E-08	1.848E-08	8.750E-10	0.	0.	0.	5.600E+03
1.743E-07	1.035E-02	1.518E-01	1.040E-07	4.817E-08	1.980E-09	0.	0.	0.	5.800E+03
2.409E-07	1.428E-02	1.460E-01	1.875E-07	1.091E-07	4.230E-09	5.382E-26	0.	0.	6.000E+03
4.237E-07	1.929E-02	1.404E-01	3.281E-07	2.445E-07	8.561E-09	5.132E-25	0.	0.	6.200E+03
5.973E-07	2.552E-02	1.367E-01	5.476E-07	5.217E-07	1.650E-08	4.267E-24	0.	0.	6.400E+03
8.197E-07	3.313E-02	1.287E-01	8.891E-07	1.062E-06	3.041E-08	3.124E-23	0.	0.	6.600E+03
1.096E-06	4.219E-02	1.223E-01	1.391E-06	2.070E-06	5.375E-08	2.033E-22	0.	0.	6.800E+03
1.436E-06	5.277E-02	1.153E-01	2.108E-06	3.6.9E-06	9.141E-08	1.185E-21	0.	0.	7.000E+03
1.840E-06	6.601E-02	1.078E-01	3.080E-06	6.945E-06	1.499E-07	6.239E-21	0.	0.	7.200E+03
2.330E-06	8.220E-02	9.942E-02	4.354E-06	1.203E-05	2.175E-07	2.983E-20	0.	0.	7.400E+03
2.915E-06	9.272E-02	9.368E-02	5.950E-06	2.000E-05	3.441E-07	1.304E-19	0.	0.	7.600E+03
3.566E-06	1.080E-01	8.150E-02	7.861E-06	3.220E-05	5.411E-07	5.242E-19	0.	0.	7.800E+03
4.359E-06	1.239E-01	7.229E-02	1.035E-05	5.213E-05	7.802E-07	1.948E-18	0.	0.	8.000E+03
5.240E-06	1.395E-01	6.310E-02	1.244E-05	7.584E-05	1.093E-06	6.725E-18	0.	0.	8.200E+03
6.238E-06	1.557E-01	5.423E-02	1.442E-05	1.108E-04	1.490E-06	2.17E-17	0.	0.	8.400E+03
7.359E-06	1.730E-01	4.592E-02	1.738E-05	1.578E-04	1.979E-06	6.5.5E-17	0.	0.	8.600E+03
8.609E-06	1.920E-01	3.839E-02	1.971E-05	2.191E-04	2.967E-06	1.867E-16	0.	0.	8.800E+03
9.994E-06	2.135E-01	3.164E-02	2.160E-05	2.970E-04	3.254E-06	5.036E-16	0.	0.	9.000E+03
1.152E-05	2.379E-01	2.564E-02	2.360E-05	3.942E-04	4.043E-06	1.241E-15	0.	0.	9.200E+03
1.319E-05	2.611E-01	2.029E-02	2.507E-05	5.132E-04	4.932E-06	3.162E-15	0.	0.	9.400E+03
1.501E-05	2.827E-01	1.607E-02	2.621E-05	6.564E-04	5.920E-06	7.417E-15	0.	0.	9.600E+03
1.691E-05	3.028E-01	1.255E-02	2.705E-05	8.280E-04	7.004E-06	1.673E-14	0.	0.	9.800E+03
1.891E-05	3.208E-01	1.000E-02	2.763E-05	1.033E-03	8.142E-06	3.642E-14	0.	0.	1.000E+04
2.105E-05	3.365E-01	7.862E-03	2.795E-05	1.262E-03	9.341E-06	1.133E-13	0.	0.	1.100E+04
2.337E-05	3.507E-01	6.161E-03	2.804E-05	1.515E-03	1.064E-05	1.960E-13	0.	0.	1.200E+04
2.590E-05	3.639E-01	4.873E-03	2.828E-05	1.793E-03	1.217E-05	2.189E-13	0.	0.	1.300E+04
2.864E-05	3.756E-01	3.936E-03	2.839E-05	2.103E-03	1.393E-05	1.739E-13	0.	0.	1.400E+04
3.167E-05	3.861E-01	3.294E-03	2.839E-05	2.453E-03	1.597E-05	1.197E-12	0.	0.	1.500E+04
3.499E-05	3.956E-01	2.877E-03	2.839E-05	2.840E-03	1.820E-05	5.078E-12	0.	0.	1.600E+04
3.859E-05	4.043E-01	2.384E-03	2.839E-05	3.253E-03	2.063E-05	2.042E-11	0.	0.	1.700E+04
4.247E-05	4.123E-01	1.802E-03	2.839E-05	3.691E-03	2.313E-05	7.934E-11	0.	0.	1.800E+04
4.662E-05	4.198E-01	1.161E-03	2.839E-05	4.156E-03	2.570E-05	2.127E-10	0.	0.	1.900E+04
5.104E-05	4.268E-01	6.051E-04	2.839E-05	4.646E-03	2.832E-05	5.762E-10	0.	0.	2.000E+04
5.574E-05	4.334E-01	3.155E-04	2.839E-05	5.156E-03	3.097E-05	1.422E-09	0.	0.	2.100E+04
6.072E-05	4.397E-01	1.762E-04	2.839E-05	5.691E-03	3.370E-05	3.245E-09	0.	0.	2.200E+04
6.597E-05	4.458E-01	9.042E-05	2.839E-05	6.244E-03	3.650E-05	2.541E-09	0.	0.	2.300E+04
7.149E-05	4.517E-01	4.873E-05	2.839E-05	6.816E-03	3.930E-05	1.684E-09	0.	0.	2.400E+04
7.727E-05	4.574E-01	2.602E-05	2.839E-05	7.406E-03	4.210E-05	9.255E-10	0.	0.	2.500E+04
8.330E-05	4.629E-01	1.361E-05	2.839E-05	8.012E-03	4.490E-05	5.245E-10	0.	0.	2.600E+04
8.958E-05	4.683E-01	7.202E-06	2.839E-05	8.634E-03	4.770E-05	3.465E-10	0.	0.	2.700E+04
9.610E-05	4.735E-01	3.936E-06	2.839E-05	9.272E-03	5.050E-05	2.295E-10	0.	0.	2.800E+04
1.028E-04	4.786E-01	2.132E-06	2.839E-05	9.926E-03	5.330E-05	1.462E-10	0.	0.	2.900E+04
1.100E-04	4.836E-01	1.161E-06	2.839E-05	1.059E-02	5.610E-05	8.955E-11	0.	0.	3.000E+04
1.175E-04	4.885E-01	6.051E-07	2.839E-05	1.128E-02	5.890E-05	5.625E-11	0.	0.	3.100E+04
1.254E-04	4.933E-01	3.294E-07	2.839E-05	1.198E-02	6.170E-05	3.645E-11	0.	0.	3.200E+04
1.337E-04	4.980E-01	1.802E-07	2.839E-05	1.269E-02	6.450E-05	2.395E-11	0.	0.	3.300E+04
1.424E-04	5.026E-01	9.042E-08	2.839E-05	1.341E-02	6.730E-05	1.597E-11	0.	0.	3.400E+04
1.515E-04	5.072E-01	4.873E-08	2.839E-05	1.414E-02	7.010E-05	1.062E-11	0.	0.	3.500E+04
1.610E-04	5.117E-01	2.602E-08	2.839E-05	1.488E-02	7.290E-05	7.078E-12	0.	0.	3.600E+04
1.709E-04	5.162E-01	1.361E-08	2.839E-05	1.563E-02	7.570E-05	4.855E-12	0.	0.	3.700E+04
1.812E-04	5.207E-01	7.202E-09	2.839E-05	1.639E-02	7.850E-05	3.295E-12	0.	0.	3.800E+04
1.919E-04	5.252E-01	3.936E-09	2.839E-05	1.716E-02	8.130E-05	2.295E-12	0.	0.	3.900E+04
2.030E-04	5.297E-01	2.132E-09	2.839E-05	1.794E-02	8.410E-05	1.597E-12	0.	0.	4.000E+04
2.145E-04	5.342E-01	1.161E-09	2.839E-05	1.873E-02	8.690E-05	1.062E-12	0.	0.	4.100E+04
2.264E-04	5.387E-01	6.051E-10	2.839E-05	1.953E-02	8.970E-05	7.078E-13	0.	0.	4.200E+04
2.387E-04	5.432E-01	3.294E-10	2.839E-05	2.034E-02	9.250E-05	4.855E-13	0.	0.	4.300E+04
2.514E-04	5.477E-01	1.802E-10	2.839E-05	2.116E-02	9.530E-05	3.295E-13	0.	0.	4.400E+04
2.645E-04	5.522E-01	9.042E-11	2.839E-05	2.200E-02	9.810E-05	2.295E-13	0.	0.	4.500E+04
2.780E-04	5.567E-01	4.873E-11	2.839E-05	2.285E-02	1.009E-04	1.597E-13	0.	0.	4.600E+04
2.919E-04	5.612E-01	2.602E-11	2.839E-05	2.372E-02	1.037E-04	1.062E-13	0.	0.	4.700E+04
3.062E-04	5.657E-01	1.361E-11	2.839E-05	2.460E-02	1.065E-04	7.078E-14	0.	0.	4.800E+04
3.209E-04	5.702E-01	7.202E-12	2.839E-05	2.550E-02	1.093E-04	4.855E-14	0.	0.	4.900E+04
3.360E-04	5.747E-01	3.936E-12	2.839E-05	2.641E-02	1.121E-04	3.295E-14	0.	0.	5.000E+04
3.515E-04	5.792E-01	2.132E-12	2.839E-05	2.734E-02	1.149E-04	2.295E-14	0.	0.	5.100E+04
3.674E-04	5.837E-01	1.161E-12	2.839E-05	2.829E-02	1.177E-04	1.597E-14	0.	0.	5.200E+04
3.837E-04	5.882E-01	6.051E-13	2.839E-05	2.926E-02	1.205E-04	1.062E-14	0.	0.	5.300E+04
4.004E-04	5.927E-01	3.294E-13	2.839E-05	3.024E-02	1.233E-04	7.078E-15	0.	0.	5.400E+04
4.175E-04	5.972E-01	1.802E-13	2.839E-05	3.124E-02	1.261E-04	4.855E-15	0.	0.	5.500E+04
4.350E-04	6.017E-01	9.042E-14	2.839E-05	3.226E-02	1.289E-04	3.295E-15	0.	0.	5.600E+04
4.529E-04	6.062E-01	4.873E-14	2.839E-05	3.330E-02	1.317E-04	2.295E-15	0.	0.	5.700E+04
4.712E-04	6.107E-01	2.602E-14	2.839E-05	3.436E-02	1.345E-04	1.597E-15	0.	0.	5.800E+04
4.900E-04	6.152E-01	1.361E-14	2.839E-05	3.544E-02	1.373E-04	1.062E-15	0.	0.	5.900E+04
5.093E-04	6.197E-01	7.202E-15	2.839E-05	3.654E-02	1.401E-04	7.078E-16	0.	0.	6.000E+04
5.291E-04	6.242E-01	3.936E-15	2.839E-05	3.766E-02	1.429E-04	4.855E-16	0.	0.	6.100E+04
5.494E-04	6.287E-01	2.132E-15	2.839E-05	3.880E-02	1.457E-04	3.295E-16	0.	0.	6.200E+04
5.702E-04	6.332E-01	1.161E-15	2.839E-05	4.000E-02	1.485E-04	2.295E-16	0.	0.	6.300E+04
5.915E-04	6.377E-01	6.051E-16	2.839E-05	4.126E-02	1.513E-04	1.597E-16	0.	0.	6.400E+04
6.133E-04	6.422E-01	3.294E-16	2.839E-05	4.258E-02	1.541E-04	1.062E-16	0.	0.	6.500E+04
6.356E-04	6.467E-01	1.802E-16	2.839E-05	4.396E-02	1.569E-04	7.078E-17	0.	0.	6.600E+04
6.584E-04	6.512E-01	9.042E-17	2.839E-05	4.540E-02	1.597E-04	4.855E-17	0.	0.	6.700E+04
6.817E-04	6.557E-01	4.873E-17	2.839E-05	4.690E-02	1.625E-04	3.295E-17	0.	0.	6.800E+04
7.055E-04	6.602E-01	2.602E-17	2.839E-05	4.846E-02	1.653E-04	2.295E-17	0.	0.	6.900E+04
7.298E-04	6.647E-01	1.361E-17	2.839E-05	4.998E-02	1.681E-04	1.597E-17	0.	0.	7.000E+04
7.546E-04	6.692E-01	7.202E-18	2.839E-05	5.156E-02	1.709E-04	1.062E-17	0.	0.	7.100E+04
7.799E-04	6.737E-01	3.936E-18	2.839E-05	5.320E-02	1.737E-04	7.078E-18	0.	0.	7.200E+04
8.057E-04	6.782E-01	2.132E-18	2.839E-05	5.490E-02	1.765E-04	4.855E-18	0.	0.	7.300E+04
8.320E-04	6.827E-01	1.161E-18	2.839E-05	5.666E-02	1.793E-04	3.295E-18	0.	0.	7.400E+04
8.588E-04	6.872E-01	6.051E-19	2.839E-05	5.848E-02	1.821E-04	2.295E-18	0.	0.	7.500E+04
8.861E-04	6.917E-01	3.294E-19	2.839E-05	6.036E-02	1.849E-04	1.597E-18	0.	0.	7.600E+04
9.139E-04	6.962E-01	1.802E-19	2.839E-05	6.230E-02	1.877E-04	1.062E-18	0.	0.	7.700E+04
9.422E-04	7.007E-01	9.042E-20	2.839E-05	6.430E-02	1.905E-04	7.078E-19	0.	0.	7.800E+04
9.710E-0									

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
1.300E+03	0.	1.261E-03	2.239E-09	2.634E-13	2.236E-14	1.477E-07	7.491E-01	6.433E-19	1.841E-19
1.400E+03	0.	8.613E-04	6.517E-09	2.331E-12	8.776E-14	6.493E-07	7.494E-01	5.975E-19	2.290E-19
1.500E+03	0.	6.194E-04	1.544E-08	1.543E-11	2.879E-13	2.350E-06	7.495E-01	5.437E-19	2.731E-19
1.600E+03	2.876E-30	4.644E-04	3.693E-08	8.062E-11	8.163E-13	7.266E-06	7.496E-01	5.120E-19	3.152E-19
1.700E+03	2.659E-27	3.613E-04	7.540E-08	3.468E-10	2.054E-12	1.966E-05	7.497E-01	4.734E-19	3.544E-19
1.800E+03	1.172E-24	2.893E-04	1.422E-07	1.269E-09	4.674E-12	4.778E-05	7.497E-01	4.383E-19	3.903E-19
1.900E+03	2.759E-22	2.374E-04	2.509E-07	4.050E-09	9.752E-12	1.059E-04	7.497E-01	4.066E-19	4.230E-19
2.000E+03	3.657E-20	1.990E-04	4.181E-07	1.151E-08	1.905E-11	2.169E-04	7.497E-01	3.942E-19	4.714E-19
2.100E+03	1.310E-18	1.699E-04	6.630E-07	2.962E-08	3.488E-11	4.156E-04	7.495E-01	8.969E-19	1.210E-18
2.200E+03	1.247E-17	1.472E-04	1.010E-06	6.990E-08	6.055E-11	7.510E-04	7.492E-01	5.182E-18	7.891E-18
2.300E+03	4.259E-17	1.243E-04	1.482E-06	1.533E-07	1.003E-10	1.290E-03	7.488E-01	3.053E-17	5.161E-17
2.400E+03	4.591E-16	1.148E-04	2.105E-06	3.144E-07	1.595E-10	2.119E-03	7.481E-01	1.587E-16	2.953E-16
2.500E+03	2.225E-15	1.030E-04	2.905E-06	6.094E-07	2.645E-10	3.347E-03	7.470E-01	7.264E-16	1.477E-15
2.600E+03	9.567E-15	9.311E-05	3.908E-06	1.122E-06	3.328E-10	5.103E-03	7.455E-01	2.983E-15	6.537E-15
2.700E+03	3.701E-14	8.474E-05	5.137E-06	1.972E-06	5.227E-10	7.543E-03	7.433E-01	1.091E-14	2.595E-14
2.800E+03	1.302E-13	7.755E-05	6.612E-06	3.327E-06	7.332E-10	1.084E-02	7.405E-01	3.661E-14	9.350E-14
2.900E+03	4.207E-13	7.127E-05	8.349E-06	5.409E-06	1.004E-09	1.519E-02	7.366E-01	1.131E-13	3.087E-13
3.000E+03	1.259E-11	6.571E-05	1.036E-05	8.505E-06	1.363E-09	2.079E-02	7.317E-01	3.242E-13	9.421E-13
3.100E+03	3.512E-12	6.070E-05	1.263E-05	1.297E-05	1.759E-09	2.787E-02	7.255E-01	8.684E-13	2.678E-12
3.200E+03	9.200E-12	5.413E-05	1.517E-05	1.923E-05	2.259E-09	3.665E-02	7.179E-01	2.166E-12	7.134E-12
3.300E+03	2.274E-11	5.191E-05	1.795E-05	2.777E-05	2.867E-09	4.733E-02	7.085E-01	5.199E-12	1.792E-11
3.400E+03	5.333E-11	4.795E-05	2.096E-05	3.917E-05	3.524E-09	6.012E-02	6.973E-01	1.174E-11	4.265E-11
3.500E+03	1.191E-10	4.421E-05	2.410E-05	5.402E-05	4.287E-09	7.518E-02	6.841E-01	2.525E-11	9.662E-11
3.600E+03	2.545E-10	4.065E-05	2.736E-05	7.294E-05	5.129E-09	9.267E-02	6.680E-01	5.195E-11	2.092E-10
3.700E+03	5.215E-10	3.723E-05	3.067E-05	9.663E-05	6.038E-09	1.127E-01	6.513E-01	1.029E-10	4.341E-10
3.800E+03	1.029E-09	3.395E-05	3.394E-05	1.254E-04	6.996E-09	1.352E-01	6.316E-01	1.946E-10	8.667E-10
3.900E+03	1.959E-09	3.080E-05	3.709E-05	1.605E-04	7.982E-09	1.603E-01	6.096E-01	3.563E-10	1.669E-09
4.000E+03	3.608E-09	2.777E-05	4.003E-05	2.017E-04	8.971E-09	1.878E-01	5.855E-01	6.304E-10	3.108E-09
4.100E+03	6.444E-09	2.487E-05	4.269E-05	2.495E-04	9.933E-09	2.176E-01	5.594E-01	1.080E-09	5.609E-09
4.200E+03	1.119E-08	2.212E-05	4.498E-05	3.040E-04	1.084E-08	2.494E-01	5.315E-01	1.795E-09	9.831E-09
4.300E+03	1.890E-08	1.952E-05	4.685E-05	3.653E-04	1.167E-08	2.829E-01	5.021E-01	2.898E-09	1.676E-08
4.400E+03	3.114E-08	1.710E-05	4.823E-05	4.330E-04	1.238E-08	3.177E-01	4.715E-01	4.552E-09	2.786E-08
4.500E+03	5.011E-08	1.485E-05	4.910E-05	5.066E-04	1.297E-08	3.535E-01	4.402E-01	6.965E-09	4.519E-08
4.600E+03	7.805E-08	1.279E-05	4.944E-05	5.857E-04	1.361E-08	3.897E-01	4.083E-01	1.041E-08	7.166E-08
4.700E+03	1.215E-07	1.093E-05	4.927E-05	6.694E-04	1.371E-08	4.259E-01	3.765E-01	1.519E-08	1.112E-07
4.800E+03	1.836E-07	9.259E-06	4.861E-05	7.568E-04	1.385E-08	4.617E-01	3.451E-01	2.160E-08	1.601E-07
4.900E+03	2.724E-07	7.787E-06	4.750E-05	8.471E-04	1.384E-08	4.964E-01	3.145E-01	3.029E-08	2.524E-07
5.000E+03	3.972E-07	6.503E-06	4.602E-05	9.294E-04	1.369E-08	5.299E-01	2.850E-01	4.151E-08	3.700E-07
5.100E+03	5.696E-07	4.449E-06	4.218E-05	1.124E-03	1.306E-08	5.914E-01	2.307E-01	7.378E-08	7.562E-07
5.200E+03	8.339E-07	2.983E-06	3.765E-05	1.311E-03	1.211E-08	6.444E-01	1.836E-01	1.229E-07	1.156E-06
5.300E+03	1.199E-06	1.973E-06	3.291E-05	1.489E-03	1.097E-08	6.982E-01	1.444E-01	1.934E-07	2.657E-06
5.400E+03	1.868E-06	1.296E-06	2.835E-05	1.658E-03	9.770E-09	7.230E-01	1.127E-01	2.900E-07	6.629E-06
5.500E+03	2.740E-06	8.499E-07	2.414E-05	1.815E-03	8.594E-09	7.499E-01	8.769E-02	4.175E-07	7.734E-06
5.600E+03	4.000E-06	5.589E-07	1.045E-05	1.960E-03	7.488E-09	7.699E-01	6.827E-02	5.805E-07	1.246E-05
5.700E+03	5.800E-06	3.696E-07	1.723E-05	2.089E-03	6.473E-09	7.843E-01	5.330E-02	7.834E-07	1.941E-05
5.800E+03	8.400E-06	2.462E-07	1.444E-05	2.202E-03	5.557E-09	7.941E-01	4.182E-02	1.031E-06	2.937E-05
5.900E+03	1.215E-05	1.653E-07	1.213E-05	2.297E-03	4.737E-09	8.003E-01	3.301E-02	1.324E-06	4.327E-05
6.000E+03	1.700E-05	1.118E-07	1.015E-05	2.372E-03	4.008E-09	8.035E-01	2.623E-02	1.672E-06	6.623E-05
6.100E+03	2.400E-05	7.620E-08	8.474E-06	2.425E-03	3.363E-09	8.044E-01	2.099E-02	2.073E-06	8.753E-05
6.200E+03	3.400E-05	5.227E-08	7.057E-06	2.454E-03	2.795E-09	8.033E-01	1.671E-02	2.530E-06	1.207E-04
6.300E+03	4.800E-05	3.607E-08	4.861E-06	2.459E-03	2.299E-09	8.007E-01	1.373E-02	3.044E-06	1.633E-04
6.400E+03	6.600E-05	2.555E-08	3.502E-08	4.853E-06	1.870E-09	7.970E-01	1.123E-02	3.615E-06	2.174E-04
6.500E+03	8.900E-05	1.743E-08	4.005E-06	2.394E-03	1.504E-09	7.924E-01	9.244E-03	4.256E-06	2.850E-04
6.600E+03	1.200E-04	1.220E-08	3.295E-06	2.328E-03	1.194E-09	7.873E-01	7.669E-03	4.959E-06	3.687E-04
6.700E+03	1.600E-04	8.578E-09	2.703E-06	2.241E-03	9.377E-10	7.821E-01	6.410E-03	5.732E-06	4.710E-04
6.800E+03	2.100E-04	6.058E-09	2.211E-06	2.140E-03	7.281E-10	7.769E-01	5.398E-03	6.582E-06	5.951E-04
6.900E+03	2.800E-04	4.300E-09	1.806E-06	2.026E-03	5.599E-10	7.719E-01	4.580E-03	7.514E-06	7.445E-04
7.000E+03	3.800E-04	3.069E-09	1.473E-06	1.905E-03	4.270E-10	7.673E-01	3.914E-03	6.539E-06	9.232E-04
7.100E+03	5.000E-04	2.205E-09	1.202E-06	1.781E-03	3.237E-10	7.631E-01	3.370E-03	5.663E-06	1.135E-03
7.200E+03	6.600E-04	1.594E-09	9.813E-07	1.657E-03	2.444E-10	7.594E-01	2.921E-03	4.089E-06	1.386E-03
7.300E+03	8.600E-04	1.162E-09	8.025E-07	1.537E-03	1.841E-10	7.561E-01	2.548E-03	3.224E-06	1.680E-03
7.400E+03	1.100E-03	8.526E-10	6.578E-07	1.422E-03	1.386E-10	7.533E-01	2.237E-03	2.371E-06	2.023E-03
7.500E+03	1.400E-03	6.308E-10	5.408E-07	1.313E-03	1.045E-10	7.507E-01	1.974E-03	1.530E-06	2.421E-03
7.600E+03	1.800E-03	4.604E-10	4.325E-07	1.205E-03	7.774E-11	7.480E-01	1.729E-03	1.129E-06	2.848E-03
7.700E+03	2.300E-03	3.222E-10	3.325E-07	1.104E-03	6.044E-11	7.458E-01	1.514E-03	8.489E-06	3.447E-02
7.800E+03	3.000E-03	2.254E-10	2.422E-07	1.019E-03	4.222E-11	7.436E-01	1.307E-03	6.982E-06	4.083E-02
7.900E+03	4.000E-03	1.581E-10	1.819E-07	9.257E-04	2.945E-12	7.420E-01	1.129E-03	5.445E-06	4.947E-02
8.000E+03	5.200E-03	1.094E-10	1.340E-07	8.453E-04	2.066E-12	7.406E-01	9.966E-04	4.180E-06	6.006E-02
8.100E+03	6.800E-03	7.572E-11	1.019E-07	7.691E-04	1.481E-13	7.398E-01	8.467E-04	3.194E-06	6.881E-02
8.200E+03	8.900E-03	5.223E-11	7.404E-08	7.012E-04	1.012E-13	7.398E-01	7.144E-04	2.029E-06	7.174E-02
8.300E+03	1.100E-02	3.547E-11	5.257E-08	6.433E-04	7.257E-14	7.398E-01	6.467E-04	1.117E-06	9.841E-02
8.400E+03	1.400E-02	2.449E-11	3.749E-08	5.811E-04	5.395E-14	7.398E-01	5.281E-05	7.139E-06	1.286E-01
8.500E+03	1.800E-02	1.692E-11	2.651E-08	5.251E-04	4.000E-15	7.398E-01	4.106E-05	5.171E-06	1.607E-01
8.600E+03	2.300E-02	1.161E-11	1.843E-08	4.610E-04	2.807E-16	7.398E-01	3.180E-05	3.844E-06	1.930E-01
8.700E+03	3.000E-02	8.223E-12	1.304E-08	4.030E-04	2.010E-16	7.398E-01	2.445E-05	2.825E-06	2.237E-01
8.800E+03	3.900E-02	5.629E-12	9.247E-09	3.530E-04	1.438E-16	7.398E-01	1.830E-05	1.307E-06	2.513E-01
8.900E+03	5.000E-02	3.947E-12	6.330E-09	3.030E-04	1.045E-16	7.398E-01	1.307E-05	8.425E-06	2.825E-01
9.000E+03	6.400E-02	2.749E-12	4.249E-09	2.629E-04	7.591E-17	7.398E-01	9.849E-06	6.080E-06	3.152E-01
9.100E+03	8.200E-02	1.908E-12	3.009E-09	2.249E-04	5.486E-17	7.398E-01	7.398E-06	4.431E-06	3.575E-01
9.200E+03	1.000E-01	1.364E-12	2.080E-09	1.848E-04	3.999E-17	7.398E-01	5.431E-06	2.495E-06	4.041E-01
9.300E+03	1.300E-01	9.394E-13	1.481E-09	1.611E-04	2.803E-17	7.398E-01	4.172E-06	1.727E-06	4.546E-01
9.400E+03	1.700E-01	6.524E-13	1.049E-09	1.339E-04	1.975E-17	7.398E-01	3.152E-06	1.304E-06	5.104E-01
9.500E+03	2.200E-01	4.435E-13	7.199E-10	9.426E-05	1.363E-17	7.398E-01	2.360E-06	9.344E-06	5.624E-01
9.600E+03	2.800E-01	3.048E-13	5.078E-10	6.330E-05	9.563E-18	7.398E-01	1.763E-06	6.824E-06	6.244E-01
9.700E+03	3.600E-01	2.104E-13	3.547E-10	4.					

TABLE II. - Continued

T	E-	NH1	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.993E-01	7.229E-23	1.421E-16	2.994E-09	3.201E-24	2.066E-02	3.133E-09	2.134E-06	3.549E-01
3.600E+04	5.039E-01	2.742E-23	6.708E-17	1.818E-09	1.107E-24	1.829E-02	2.020E-09	1.700E-06	3.538E-01
3.700E+04	5.087E-01	1.063E-23	3.207E-17	1.106E-09	3.860E-25	1.631E-02	1.325E-09	1.364E-06	3.521E-01
3.800E+04	5.136E-01	4.201E-24	1.543E-17	6.733E-10	1.351E-25	1.463E-02	8.842E-10	1.103E-06	3.502E-01
3.900E+04	5.184E-01	1.690E-24	7.552E-18	4.098E-10	4.745E-26	1.320E-02	5.993E-10	8.981E-07	3.480E-01
4.000E+04	5.229E-01	6.413E-25	3.716E-18	2.494E-10	1.671E-26	1.196E-02	4.122E-10	7.369E-07	3.458E-01
4.100E+04	5.272E-01	2.875E-25	1.805E-18	1.519E-10	5.912E-27	1.090E-02	2.876E-10	6.090E-07	3.437E-01
4.200E+04	5.311E-01	1.215E-25	9.252E-19	9.269E-11	2.105E-27	9.470E-03	2.033E-10	5.069E-07	3.417E-01
4.300E+04	5.346E-01	5.226E-26	4.687E-19	5.674E-11	7.558E-28	9.156E-03	1.455E-10	4.248E-07	3.399E-01
4.400E+04	5.377E-01	2.289E-26	2.402E-19	3.489E-11	2.745E-28	8.440E-03	1.054E-10	3.584E-07	3.383E-01
4.500E+04	5.405E-01	1.020E-26	1.246E-19	2.157E-11	1.010E-28	7.805E-03	7.721E-11	3.042E-07	3.368E-01
4.600E+04	5.429E-01	4.632E-27	6.546E-20	1.342E-11	3.771E-29	7.239E-03	5.716E-11	2.598E-07	3.355E-01
4.700E+04	5.452E-01	2.141E-27	3.483E-20	8.408E-12	1.433E-29	6.734E-03	4.274E-11	2.290E-07	3.344E-01
4.800E+04	5.472E-01	1.007E-27	1.877E-20	5.306E-12	5.512E-30	6.280E-03	3.227E-11	1.924E-07	3.333E-01
4.900E+04	5.491E-01	4.817E-28	1.024E-20	3.372E-12	2.158E-30	5.870E-03	2.458E-11	1.668E-07	3.323E-01
5.000E+04	5.510E-01	2.342E-28	5.651E-21	2.157E-12	8.577E-31	5.499E-03	1.887E-11	1.452E-07	3.312E-01

P/PO = 4.40E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.255E-01	1.539E-20	6.052E-35	1.715E-28	5.603E-22	2.809E-01	1.377E-18	1.090E-21
6.000E+02	0.	2.841E-01	3.086E-17	6.448E-29	2.628E-24	5.135E-18	5.369E-01	1.081E-18	3.351E-21
7.000E+02	0.	9.677E-02	4.862E-15	1.034E-24	1.563E-21	3.153 15	6.774E-01	9.135E-19	8.547E-21
8.000E+02	0.	3.378E-02	1.812E-13	1.323E-21	1.495E-19	3.728E-13	7.247E-01	8.460E-19	1.926E-20
9.000E+02	0.	1.373E-02	2.852E-12	3.342E-19	4.834E-18	1.519E-11	7.397E-01	8.075E-19	3.725E-20
1.000E+03	0.	6.495E-03	2.52E-11	2.766E-17	7.645E-17	2.957E-10	7.451E-01	7.722E-19	6.399E-20
1.100E+03	0.	3.481E-03	1.500E-10	1.019E-15	7.284E-16	3.371E-09	7.474E-01	7.335E-19	9.796E-20
1.200E+03	0.	2.061E-03	6.576E-10	2.069E-14	4.768E-15	2.574E-08	7.485E-01	6.911E-19	1.377E-19
1.300E+03	0.	1.321E-03	2.291E-09	2.634E-13	3.342E-14	1.443E-07	7.497E-01	6.466E-19	1.808E-19
1.400E+03	0.	9.322E-04	6.670E-09	2.331E-12	9.192E-14	6.344E-07	7.493E-01	6.016E-19	2.251E-19
1.500E+03	0.	6.489E-04	1.683E-08	1.543E-11	3.015E-13	2.296E-06	7.495E-01	5.578E-19	2.688E-19
1.600E+03	2.722E-30	4.869E-04	3.780E-08	8.061E-11	8.552E-13	7.090E-06	7.496E-01	5.164E-19	3.106E-19
1.700E+03	2.514E-27	3.785E-04	7.717E-08	3.648E-10	2.151E-12	1.921E-05	7.497E-01	4.780E-19	3.496E-19
1.800E+03	1.107E-24	3.330E-04	1.456E-07	1.269E-09	4.897E-12	4.668E-05	7.497E-01	4.429E-19	3.854E-19
1.900E+03	2.604E-22	2.487E-04	2.568E-07	4.050E-09	1.022E-11	1.034E-04	7.497E-01	4.113E-19	4.809E-19
2.000E+03	3.456E-20	2.045E-04	4.280E-07	1.151E-08	1.996E-11	2.120E-04	7.497E-01	3.982E-19	4.654E-19
2.100E+03	1.262E-18	1.779E-04	6.794E-07	2.962E-08	3.654E-11	4.060E-04	7.495E-01	3.886E-19	1.179E-18
2.200E+03	1.208E-17	1.542E-04	1.034E-06	6.996E-08	6.334E-11	7.337E-04	7.492E-01	3.510E-18	7.592E-18
2.300E+03	8.010E-17	1.355E-04	1.517E-06	1.533E-07	1.051E-10	1.260E-03	7.488E-01	3.004E-17	4.863E-17
2.400E+03	4.452E-16	1.203E-04	2.154E-06	3.146E-07	1.671E-10	2.070E-03	7.481E-01	1.562E-16	2.840E-16
2.500E+03	2.157E-15	1.079E-04	2.974E-06	6.095E-07	2.562E-10	3.270E-03	7.471E-01	7.153E-16	1.421E-15
2.600E+03	9.273E-15	9.756E-05	4.000E-06	1.122E-06	3.801E-10	4.986E-03	7.456E-01	2.919E-15	6.290E-15
2.700E+03	3.586E-14	8.881E-05	5.259E-06	1.972E-06	5.477E-10	7.371E-03	7.435E-01	2.498E-14	2.988E-14
2.800E+03	1.262E-13	8.128E-05	6.770E-06	3.328E-06	7.684E-10	1.059E-02	7.407E-01	3.608E-14	9.001E-14
2.900E+03	4.075E-13	6.955E-05	8.550E-06	5.11E-06	1.052E-09	1.484E-02	7.369E-01	1.115E-13	2.972E-13
3.000E+03	1.219E-12	6.890E-05	1.061E-05	8.508E-06	1.408E-09	2.032E-02	7.322E-01	3.197E-13	9.073E-13
3.100E+03	3.402E-12	6.367E-05	1.294E-05	1.298E-05	1.845E-09	2.724E-02	7.261E-01	8.565E-13	7.579E-12
3.200E+03	8.910E-12	5.890E-05	1.555E-05	1.924E-05	2.370E-09	3.582E-02	7.186E-01	2.157E-12	6.873E-12
3.300E+03	2.203E-11	5.450E-05	1.840E-05	2.780E-05	2.988E-09	4.627E-02	7.094E-01	5.131E-12	1.727E-11
3.400E+03	5.165E-11	5.038E-05	2.148E-05	3.421E-05	3.700E-09	5.878E-02	6.985E-01	1.159E-11	4.111E-11
3.500E+03	1.154E-10	4.648E-05	2.473E-05	5.410E-05	4.504E-09	7.353E-02	6.856E-01	2.494E-11	9.315E-11
3.600E+03	2.464E-10	4.277E-05	2.809E-05	7.309E-05	5.393E-09	9.066E-02	6.706E-01	5.134E-11	2.017E-10
3.700E+03	5.351E-10	3.922E-05	3.151E-05	9.685E-05	6.554E-09	1.103E-01	6.534E-01	1.014E-10	4.187E-10
3.800E+03	9.784E-10	3.581E-05	3.490E-05	1.260E-04	7.370E-09	1.324E-01	6.340E-01	1.926E-10	8.363E-10
3.900E+03	1.897E-09	3.252E-05	3.817E-05	1.610E-04	8.417E-09	1.570E-01	6.125E-01	6.125E-10	1.611E-09
4.000E+03	3.496E-09	2.937E-05	4.125E-05	2.025E-04	9.471E-09	1.840E-01	5.888E-01	6.247E-10	3.001E-09
4.100E+03	6.245E-09	2.635E-05	4.404E-05	2.506E-04	1.1050E-08	2.133E-01	5.631E-01	1.071E-09	5.417E-09
4.200E+03	1.084E-08	2.348E-05	4.647E-05	3.056E-04	1.148E-08	2.446E-01	5.357E-01	1.782E-09	9.498E-09
4.300E+03	1.832E-08	2.077E-05	4.846E-05	3.675E-04	1.237E-08	2.776E-01	5.067E-01	2.879E-09	1.620E-08
4.400E+03	3.019E-08	1.822E-05	4.997E-05	4.360E-04	1.315E-08	3.121E-01	4.765E-01	4.529E-09	2.894E-08
4.500E+03	4.860E-08	1.587E-05	5.095E-05	5.106E-04	1.380E-08	3.475E-01	4.454E-01	4.941E-09	4.372E-08
4.600E+03	7.650E-08	1.370E-05	5.140E-05	5.909E-04	1.430E-08	3.834E-01	4.139E-01	1.038E-08	6.935E-08
4.700E+03	1.179E-07	1.174E-05	5.131E-05	6.760E-04	1.464E-08	4.193E-01	3.823E-01	1.517E-08	1.077E-07
4.800E+03	1.783E-07	9.473E-06	5.072E-05	7.650E-04	1.482E-08	4.549E-01	3.510E-01	2.168E-08	1.639E-07
4.900E+03	2.646E-07	8.411E-06	4.966E-05	8.572E-04	1.484E-08	4.896E-01	3.205E-01	3.034E-08	2.447E-07
5.000E+03	3.860E-07	7.044E-06	4.820E-05	9.514E-04	1.472E-08	5.231E-01	2.910E-01	4.163E-08	3.588E-07
5.100E+03	7.827E-07	4.847E-06	4.435E-05	1.143E-03	1.409E-08	5.849E-01	2.364E-01	7.422E-08	7.342E-07
5.200E+03	1.498E-06	3.267E-06	3.972E-05	1.333E-03	1.311E-08	6.385E-01	1.888E-01	1.239E-07	1.415E-06
5.300E+03	2.726E-06	2.172E-06	3.484E-05	1.516E-03	1.191E-08	6.870E-01	1.490E-01	1.490E-07	2.586E-06
5.400E+03	4.743E-06	1.432E-06	3.009E-05	1.690E-03	1.064E-08	7.186E-01	1.166E-01	2.940E-07	4.306E-06
5.500E+03	7.936E-06	9.429E-07	2.571E-05	1.853E-03	9.380E-09	7.462E-01	9.098E-02	4.241E-07	7.536E-06
5.600E+03	1.283E-05	6.220E-07	2.181E-05	2.002E-03	8.184E-09	7.669E-01	7.097E-02	5.906E-07	1.214E-05
5.700E+03	2.010E-05	4.124E-07	1.841E-05	2.136E-03	7.093E-09	7.820E-01	5.551E-02	7.982E-07	1.894E-05
5.800E+03	3.066E-05	2.753E-07	1.549E-05	2.254E-03	6.101E-09	7.923E-01	4.361E-02	1.051E-06	2.867E-05
5.900E+03	4.565E-05	1.852E-07	1.300E-05	2.354E-03	5.210E-09	7.990E-01	3.447E-02	1.354E-06	4.225E-05
7.000E+03	6.848E-05	1.255E-07	1.089E-05	2.432E-03	4.416E-09	8.026E-01	2.741E-02	1.709E-06	6.078E-05
7.100E+03	9.443E-05	8.572E-08	9.106E-06	2.449E-03	3.713E-09	8.038E-01	2.195E-02	2.120E-06	8.553E-05
7.200E+03	1.331E-04	5.891E-08	7.595E-06	2.522E-03	3.093E-09	8.030E-01	1.771E-02	2.589E-06	1.179E-04
7.300E+03	1.836E-04	4.073E-08	6.317E-06	2.530E-03	2.550E-09	8.006E-01	1.438E-02	3.118E-06	1.597E-04
7.400E+03	2.494E-04	2.830E-08	5.239E-06	2.512E-03	2.080E-09	7.971E-01	1.176E-02	3.708E-06	2.126E-04
7.500E+03	3.341E-04	1.975E-08	4.330E-06	2.470E-03	1.677E-09	7.927E-01	9.691E-03	4.363E-06	2.788E-04
7.600E+03	4.416E-04	1.3							

TABLE II. - Continued

H-	N	N2	N2*	N*	N-	N**	N***	N****	T
1.022E-06	2.649E-03	4.398E-11	4.534E-09	1.007E-01	3.066E-07	2.181E-02	5.016E-06	3.570E-13	3.500E+04
8.334E-07	2.138E-03	2.349E-11	2.898E-09	9.361E-02	2.271E-07	2.826E-02	1.087E-05	1.644E-12	3.600E+04
6.904E-07	1.711E-03	1.241E-11	1.819E-09	8.564E-07	1.675E-07	3.544E-02	2.223E-05	6.856E-12	3.700E+04
5.804E-07	1.358E-03	6.482E-12	1.119E-09	7.714E-02	1.228E-07	4.306E-02	4.298E-05	2.607E-11	3.800E+04
4.946E-07	1.068E-03	3.341E-12	6.756E-10	6.846E-02	8.949E-08	5.081E-02	7.896E-05	9.103E-11	3.900E+04
4.266E-07	8.325E-04	1.732E-12	4.006E-10	5.994E-02	6.479E-08	5.836E-02	1.384E-04	2.940E-10	4.000E+04
3.719E-07	6.440E-04	8.581E-13	2.340E-10	5.187E-02	4.664E-08	6.546E-02	2.325E-04	8.847E-10	4.100E+04
3.275E-07	4.952E-04	4.297E-13	1.351E-10	4.446E-02	3.344E-08	7.190E-02	3.761E-04	2.496E-09	4.200E+04
2.908E-07	3.791E-04	2.143E-13	7.734E-11	3.783E-02	2.390E-08	7.756E-02	5.881E-04	6.642E-09	4.300E+04
2.602E-07	2.894E-04	1.068E-13	4.406E-11	3.201E-02	1.706E-08	8.238E-02	8.920E-04	1.676E-08	4.400E+04
2.344E-07	2.205E-04	5.329E-14	2.506E-11	2.698E-02	1.218E-08	8.636E-02	1.317E-03	4.030E-08	4.500E+04
2.125E-07	1.680E-04	2.670E-14	1.425E-11	2.269E-02	8.705E-09	8.951E-02	1.897E-03	5.268E-08	4.600E+04
1.937E-07	1.281E-04	1.345E-14	8.125E-12	1.905E-02	6.234E-09	9.186E-02	2.672E-03	2.045E-07	4.700E+04
1.773E-07	9.773E-05	6.818E-15	4.645E-12	1.598E-02	4.476E-09	9.343E-02	3.686E-03	4.344E-07	4.800E+04
1.631E-07	7.467E-05	3.480E-15	2.665E-12	1.340E-02	3.223E-09	9.425E-02	4.987E-03	8.898E-07	4.900E+04
1.505E-07	5.712E-05	1.786E-15	1.535E-12	1.123E-02	2.327E-09	9.433E-02	6.624E-03	1.761E-06	5.000E+04

P/PO = 4.40E+01

H-	N	N2	N2*	N*	N-	N**	N***	N****	T	
0.	0.	9.362E-02	6.576E-21	0.	0.	0.	0.	0.	5.000E+02	
0.	0.	1.790E-01	9.308E-21	0.	0.	0.	0.	0.	6.000E+02	
0.	0.	2.254E-01	1.193E-20	0.	0.	0.	0.	0.	7.000E+02	
0.	1.344E-29	2.416E-01	1.507E-20	0.	0.	0.	0.	0.	8.000E+02	
0.	3.836E-26	2.466E-01	1.823E-20	0.	0.	0.	0.	0.	9.000E+02	
0.	2.235E-23	2.444E-01	2.098E-20	0.	0.	0.	0.	0.	1.000E+03	
0.	4.105E-21	2.491E-01	2.312E-20	0.	0.	0.	0.	0.	1.100E+03	
0.	1.172E-19	2.495E-01	2.455E-20	8.727E-34	0.	0.	0.	0.	1.200E+03	
0.	1.260E-17	2.447E-01	2.547E-20	1.632E-32	0.	0.	0.	0.	1.300E+03	
0.	2.463E-16	2.496E-01	2.563E-20	1.974E-31	0.	0.	0.	0.	1.400E+03	
0.	4.583E-15	2.498E-01	2.547E-20	1.696E-30	0.	0.	0.	0.	1.500E+03	
0.	2.342E-14	2.499E-01	2.530E-20	1.099E-29	0.	0.	0.	0.	1.600E+03	
0.	4.190E-13	2.495E-01	2.433E-20	5.661E-29	0.	0.	0.	0.	1.700E+03	
0.	2.755E-12	2.479E-01	2.354E-20	2.411E-28	0.	0.	0.	0.	1.800E+03	
0.	1.487E-11	2.499E-01	2.269E-20	8.761E-28	0.	0.	0.	0.	1.900E+03	
0.	6.789E-11	2.499E-01	2.270E-20	2.895E-27	0.	0.	0.	0.	2.000E+03	
0.	2.684E-10	2.494E-01	5.215E-20	1.961E-26	1.739E-28	0.	0.	0.	2.100E+03	
0.	1.370E-10	2.494E-01	3.074E-19	3.059E-25	3.217E-27	0.	0.	0.	2.200E+03	
0.	7.955E-19	2.498E-01	1.852E-18	4.568E-24	6.202E-26	0.	0.	0.	2.300E+03	
0.	4.038E-18	2.497E-01	9.838E-18	5.226E-23	9.136E-25	0.	0.	0.	2.400E+03	
0.	2.414E-17	2.496E-01	4.543E-17	5.503E-22	1.081E-23	0.	0.	0.	2.500E+03	
0.	1.256E-16	2.494E-01	1.909E-16	4.601E-21	1.056E-22	0.	0.	0.	2.600E+03	
0.	5.775E-16	2.491E-01	7.151E-16	3.293E-20	8.703E-21	0.	0.	0.	2.700E+03	
0.	2.377E-15	2.472E-01	2.441E-15	2.051E-19	6.162E-20	0.	0.	0.	2.800E+03	
0.	8.659E-15	2.494E-01	7.670E-15	1.128E-18	3.806E-20	0.	0.	0.	2.900E+03	
0.	3.018E-14	2.474E-01	2.236E-14	5.542E-18	2.079E-19	0.	0.	0.	3.000E+03	
0.	9.476E-14	2.466E-01	6.091E-14	2.462E-17	1.015E-18	0.	0.	0.	3.100E+03	
0.	2.762E-13	2.455E-01	1.561E-13	9.477E-17	4.444E-18	0.	0.	0.	3.200E+03	
0.	7.523E-13	2.442E-01	3.742E-13	3.723E-16	1.806E-17	0.	0.	0.	3.300E+03	
0.	1.925E-12	2.426E-01	6.704E-13	1.285E-15	6.686E-17	0.	0.	0.	3.400E+03	
0.	4.652E-12	2.428E-01	1.914E-12	4.144E-15	2.291E-16	0.	0.	0.	3.500E+03	
0.	1.066E-11	2.406E-01	4.030E-12	1.253E-14	7.318E-16	0.	0.	0.	3.600E+03	
0.	2.325E-11	2.361E-01	8.148E-12	3.577E-14	2.187E-15	0.	0.	0.	3.700E+03	
0.	4.843E-11	2.333E-01	1.592E-11	9.671E-14	6.154E-15	0.	0.	0.	3.800E+03	
0.	9.688E-11	2.327E-01	3.036E-11	2.448E-13	1.637E-14	0.	0.	0.	3.900E+03	
0.	1.854E-10	2.288E-01	9.501E-11	6.116E-13	6.129E-14	0.	0.	0.	4.000E+03	
0.	3.423E-10	2.271E-01	9.741E-11	1.441E-17	9.928E-14	0.	0.	0.	4.100E+03	
0.	6.102E-10	2.191E-01	1.693E-10	4.264E-12	2.281E-13	0.	0.	0.	4.200E+03	
0.	1.052E-09	2.149E-01	2.461E-10	7.130E-12	5.024E-13	0.	0.	0.	4.300E+03	
0.	1.757E-09	2.105E-01	4.723E-10	1.506E-11	1.064E-12	0.	0.	0.	4.400E+03	
0.	2.850E-09	2.059E-01	7.634E-10	3.041E-11	2.173E-12	0.	0.	0.	4.500E+03	
0.	4.493E-09	2.013E-01	1.210E-09	6.125E-11	6.276E-12	0.	0.	0.	4.600E+03	
0.	6.898E-09	1.964E-01	1.884E-09	1.185E-10	8.276E-12	0.	0.	0.	4.700E+03	
0.	1.033E-08	1.919E-01	2.883E-09	2.234E-10	1.509E-11	0.	0.	0.	4.800E+03	
0.	1.510E-08	1.873E-01	4.345E-09	4.114E-10	2.729E-11	0.	0.	0.	4.900E+03	
0.	2.160E-08	1.828E-01	6.455E-09	7.409E-10	4.785E-11	0.	0.	0.	5.000E+03	
0.	4.154E-08	1.743E-01	1.370E-08	2.261E-09	1.368E-10	0.	0.	0.	5.200E+03	
0.	7.425E-08	1.665E-01	2.773E-08	6.407E-09	3.587E-10	0.	0.	0.	5.400E+03	
0.	1.246E-07	1.595E-01	5.384E-08	1.699E-08	8.713E-10	0.	0.	0.	5.600E+03	
0.	1.981E-07	1.531E-01	1.034E-07	4.239E-08	1.978E-09	0.	0.	0.	5.800E+03	
0.	3.008E-07	1.472E-01	1.811E-07	1.070E-07	4.270E-09	4.726E-26	0.	0.	6.000E+03	
0.	4.394E-07	1.416E-01	3.167E-07	2.740E-07	6.568E-09	4.499E-25	0.	0.	6.200E+03	
0.	6.210E-07	1.359E-01	5.268E-07	4.778E-07	1.653E-08	3.736E-24	0.	0.	6.400E+03	
0.	8.530E-07	1.300E-01	8.572E-07	9.723E-07	3.048E-08	2.734E-23	0.	0.	6.600E+03	
0.	1.143E-06	1.236E-01	1.384E-06	1.896E-06	5.394E-08	1.780E-22	0.	0.	6.800E+03	
0.	1.500E-06	1.188E-01	2.038E-06	3.546E-06	1.103E-08	1.238E-21	0.	0.	7.000E+03	
0.	1.932E-06	1.139E-01	2.988E-06	6.733E-06	1.534E-07	5.448E-21	0.	0.	7.200E+03	
0.	2.446E-06	1.093E-01	4.236E-06	1.103E-05	2.393E-07	2.618E-20	0.	0.	7.400E+03	
0.	3.052E-06	1.044E-01	5.805E-06	1.842E-05	3.676E-07	1.147E-19	0.	0.	7.600E+03	
0.	3.756E-06	1.004E-01	7.708E-06	2.973E-05	5.474E-07	4.619E-19	0.	0.	7.800E+03	
0.	4.568E-06	1.994E-01	9.901E-06	4.636E-05	7.912E-07	1.720E-18	0.	0.	8.000E+03	
0.	5.493E-06	1.355E-01	6.545E-06	1.232E-05	7.014E-05	1.112E-06	5.955E-18	0.	0.	8.200E+03
0.	6.541E-06	1.537E-01	5.657E-06	1.496E-05	1.030E-04	1.520E-06	1.925E-17	0.	0.	8.400E+03
0.	7.717E-06	1.651E-01	4.619E-06	1.742E-05	1.472E-04	2.025E-06	5.835E-17	0.	0.	8.600E+03
0.	9.030E-06	1.783E-01	1.986E-06	2.049E-05	2.634E-04	1.667E-16	0.	0.	8.800E+03	

TABLE II.- Continued

T	F-	NH1	NH2	NH	NH2	H	H2	H2+	H+
9.000E+03	1.199E-33	3.505E-09	1.605E-06	1.980E-03	4.831E-10	7.678E-01	4.106E-03	8.756E-06	9.031E-04
9.200E+03	1.499E-03	2.521E-09	1.311E-06	1.853E-03	3.671E-10	7.636E-01	3.535E-03	9.908E-06	1.111E-03
9.400E+03	1.857E-03	1.825E-09	1.071E-06	1.726E-03	2.778E-10	7.598E-01	3.064E-03	1.117E-05	1.356E-03
9.600E+03	2.281E-03	1.331E-09	8.771E-07	1.603E-03	2.097E-10	7.565E-01	2.672E-03	1.255E-05	1.643E-03
9.800E+03	2.778E-03	9.776E-10	7.196E-07	1.484E-03	1.582E-10	7.536E-01	2.365E-03	1.405E-05	1.978E-03
1.000E+04	3.358E-03	7.237E-10	5.921E-07	1.372E-03	1.195E-10	7.510E-01	2.070E-03	1.568E-05	2.367E-03
1.100E+04	4.027E-03	1.803E-10	2.354E-07	9.237E-04	3.088E-11	7.401E-01	1.846E-03	2.587E-05	5.325E-03
1.200E+04	4.804E-02	5.305E-11	1.024E-07	6.338E-04	8.958E-12	7.275E-01	1.732E-04	3.944E-05	1.059E-02
1.300E+04	5.700E-02	1.759E-11	4.766E-08	4.435E-04	2.873E-12	7.089E-01	4.748E-04	5.584E-05	1.903E-02
1.400E+04	6.804E-02	6.276E-12	2.308E-08	3.125E-04	9.814E-13	6.821E-01	3.152E-04	7.388E-05	3.147E-02
1.500E+04	7.212E-02	2.312E-12	1.131E-08	2.183E-04	3.436E-13	6.455E-01	2.104E-04	9.136E-05	4.848E-02
1.600E+04	1.071E-01	8.493E-13	5.476E-09	1.493E-04	1.191E-13	5.990E-01	1.391E-04	1.061E-04	7.026E-02
1.700E+04	1.461E-01	3.024E-13	3.024E-09	9.866E-05	3.978E-14	5.436E-01	9.003E-05	1.156E-04	9.647E-02
1.800E+04	1.893E-01	1.021E-13	1.150E-09	6.254E-05	1.252E-14	4.815E-01	5.447E-05	1.183E-04	1.262E-01
1.900E+04	2.342E-01	3.228E-14	4.875E-10	3.785E-05	3.674E-15	4.161E-01	3.412E-05	1.138E-04	1.580E-01
2.000E+04	2.780E-01	9.517E-15	1.952E-10	2.189E-05	1.003E-15	3.512E-01	1.983E-05	1.033E-04	1.900E-01
2.100E+04	3.184E-01	2.632E-15	7.429E-11	1.215E-05	2.568E-16	2.904E-01	1.111E-05	8.888E-05	2.206E-01
2.200E+04	3.538E-01	6.917E-16	2.716E-11	6.540E-06	6.249E-17	2.362E-01	6.038E-06	7.307E-05	2.483E-01
2.300E+04	3.834E-01	1.762E-16	9.689E-12	3.449E-06	1.490E-17	1.900E-01	3.211E-06	5.792E-05	2.733E-01
2.400E+04	4.075E-01	4.438E-17	3.426E-12	1.804E-06	3.525E-18	1.521E-01	1.688E-06	4.470E-05	2.921E-01
2.500E+04	4.265E-01	1.127E-17	1.219E-12	9.453E-07	8.461E-19	1.218E-01	8.862E-07	3.391E-05	3.082E-01
2.600E+04	4.414E-01	2.930E-18	4.414E-13	5.002E-07	2.091E-19	9.801E-02	4.684E-07	2.548E-05	3.209E-01
2.700E+04	4.530E-01	7.889E-19	1.641E-13	2.687E-07	5.374E-20	7.946E-02	2.509E-07	1.909E-05	3.308E-01
2.800E+04	4.621E-01	2.214E-19	6.288E-14	1.470E-07	1.444E-20	6.506E-02	1.368E-07	1.432E-05	3.384E-01
2.900E+04	4.693E-01	6.501E-20	2.492E-14	8.201E-08	4.064E-21	5.385E-02	7.616E-08	1.080E-05	3.441E-01
3.000E+04	4.753E-01	1.998E-20	1.021E-14	4.865E-08	1.194E-21	4.507E-02	4.333E-08	8.198E-06	3.484E-01
3.100E+04	4.804E-01	6.421E-21	4.318E-15	2.701E-08	3.679E-22	3.814E-02	2.521E-08	6.272E-06	3.515E-01
3.200E+04	4.850E-01	2.152E-21	1.881E-15	1.589E-08	1.173E-22	3.262E-02	1.500E-08	4.838E-06	3.536E-01
3.300E+04	4.894E-01	7.489E-22	8.415E-16	9.471E-09	3.858E-23	2.818E-02	5.119E-09	3.764E-06	3.547E-01
3.400E+04	4.938E-01	2.697E-22	3.851E-16	5.702E-09	1.301E-23	2.456E-02	5.660E-09	2.953E-06	3.551E-01
3.500E+04	4.983E-01	1.000E-22	1.796E-16	3.457E-09	4.470E-24	2.159E-02	3.584E-09	2.335E-06	3.547E-01
3.600E+04	5.030E-01	3.807E-23	8.506E-17	2.105E-09	1.555E-24	1.912E-02	2.312E-09	1.860E-06	3.536E-01
3.700E+04	5.078E-01	1.481E-23	4.080E-17	1.285E-09	5.455E-25	1.705E-02	1.518E-09	1.494E-06	3.521E-01
3.800E+04	5.126E-01	5.877E-24	1.976E-17	7.846E-10	1.922E-25	1.530E-02	1.013E-09	1.208E-06	3.502E-01
3.900E+04	5.174E-01	2.373E-24	9.674E-18	4.791E-10	6.797E-26	1.380E-02	6.869E-10	9.845E-07	3.482E-01
4.000E+04	5.220E-01	9.743E-25	4.769E-18	2.926E-10	2.410E-26	1.252E-02	4.727E-10	8.080E-07	3.460E-01
4.100E+04	5.263E-01	4.066E-25	2.381E-18	1.788E-10	8.581E-27	1.140E-02	3.298E-10	6.679E-07	3.439E-01
4.200E+04	5.303E-01	1.725E-25	1.198E-18	1.094E-10	3.074E-27	1.043E-02	2.332E-10	5.580E-07	3.419E-01
4.300E+04	5.338E-01	7.441E-26	6.085E-19	6.718E-11	1.110E-27	9.583E-03	1.670E-10	4.660E-07	3.400E-01
4.400E+04	5.370E-01	3.267E-26	3.127E-19	4.141E-11	4.051E-28	8.834E-03	1.210E-10	3.931E-07	3.384E-01
4.500E+04	5.398E-01	1.463E-26	1.626E-19	2.566E-11	1.498E-28	8.170E-03	8.862E-11	3.337E-07	3.370E-01
4.600E+04	5.424E-01	6.641E-27	8.558E-20	1.600E-11	5.615E-29	7.578E-03	6.562E-11	2.850E-07	3.357E-01
4.700E+04	5.446E-01	3.076E-27	4.563E-20	1.004E-11	2.138E-29	7.049E-03	4.908E-11	2.447E-07	3.346E-01
4.800E+04	5.467E-01	1.449E-27	2.463E-20	6.349E-12	8.267E-30	6.574E-03	3.705E-11	2.111E-07	3.334E-01
4.900E+04	5.486E-01	6.946E-28	1.346E-20	4.041E-12	3.248E-30	6.146E-03	2.822E-11	1.890E-07	3.324E-01
5.000E+04	5.505E-01	3.382E-28	7.442E-21	2.590E-12	1.295E-30	5.757E-03	2.168E-11	1.593E-07	3.313E-01

P/PO = 4.60E+01

T	E-	NH1	NH2	NH	NH2	H	H2	H2+	H+
5.000E+02	0.	6.319E-01	1.533E-20	5.949E-35	1.732E-28	5.433E-22	2.761E-01	1.382E-18	1.080E-21
6.000E+02	0.	2.912E-01	3.108E-17	6.386E-29	2.694E-24	4.997E-18	5.316E-01	1.087E-18	3.312E-21
7.000E+02	0.	1.304E-01	4.942E-15	1.030E-24	1.821E-21	3.074E-15	6.747E-01	9.147E-19	8.400E-21
8.000E+02	0.	3.521E-02	1.869E-13	1.321E-21	1.558E-19	3.644E-13	7.236E-01	8.476E-19	1.888E-20
9.000E+02	0.	1.434E-02	2.913E-12	3.340E-19	5.047E-18	1.485E-11	7.392E-01	8.088E-19	3.674E-20
1.000E+03	0.	6.786E-03	2.581E-11	2.766E-17	7.988E-17	2.891E-10	7.449E-01	7.756E-19	6.271E-20
1.100E+03	0.	3.638E-03	1.534E-10	1.019E-15	7.613E-16	3.297E-09	7.473E-01	7.354E-19	9.607E-20
1.200E+03	0.	2.154E-03	6.723E-10	2.069E-14	4.984E-15	2.317E-08	7.484E-01	6.937E-19	1.351E-19
1.300E+03	0.	1.381E-03	2.342E-09	2.634E-13	2.444E-14	1.611E-07	7.490E-01	6.496E-19	1.777E-19
1.400E+03	0.	9.431E-04	6.819E-09	2.331E-12	5.616E-14	6.204E-07	7.493E-01	6.051E-19	2.215E-19
1.500E+03	0.	6.783E-04	1.720E-08	1.543E-11	3.152E-13	2.111E-06	7.495E-01	5.618E-19	2.648E-19
1.600E+03	2.582E-30	5.091E-04	3.864E-08	8.061E-11	8.940E-13	6.544E-06	7.496E-01	5.200E-19	3.062E-19
1.700E+03	2.383E-27	3.957E-04	7.891E-08	3.486E-10	2.249E-12	1.019E-05	7.497E-01	4.824E-19	3.450E-19
1.800E+03	1.408E-24	3.168E-04	1.888E-07	1.269E-09	5.119E-12	4.564E-05	7.497E-01	4.474E-19	3.807E-19
1.900E+03	2.464E-22	2.600E-04	2.625E-07	4.050E-09	1.068E-11	1.012E-4	7.497E-01	4.158E-19	4.133E-19
2.000E+03	3.275E-20	2.183E-04	4.376E-07	1.151E-08	2.086E-11	2.073E-4	7.497E-01	4.020E-19	4.596E-19
2.100E+03	1.218E-18	1.860E-04	6.947E-07	2.962E-08	3.820E-11	3.971E-04	7.495E-01	8.808E-19	1.142E-18
2.200E+03	1.173E-17	1.612E-04	1.057E-06	6.996E-08	6.632E-11	7.176E-4	7.493E-01	5.029E-18	7.316E-18
2.300E+03	7.779E-17	1.416E-04	1.551E-06	1.533E-07	1.099E-10	1.233E-03	7.488E-01	2.959E-17	4.780E-17
2.400E+03	4.323E-16	1.258E-04	2.203E-06	3.146E-07	1.747E-10	2.025E-03	7.481E-01	1.539E-16	2.736E-16
2.500E+03	2.074E-15	1.128E-04	3.041E-06	6.095E-07	2.679E-10	3.198E-03	7.471E-01	7.047E-16	1.569E-15
2.600E+03	9.001E-15	1.020E-04	4.091E-06	1.122E-06	3.975E-10	4.877E-03	7.457E-01	2.877E-15	6.067E-15
2.700E+03	3.440E-14	9.287E-05	5.378E-06	1.972E-06	5.728E-10	7.209E-03	7.436E-01	1.059E-14	2.468E-14
2.800E+03	1.224E-13	8.502E-05	6.925E-06	3.328E-06	8.036E-10	1.036E-02	7.409E-01	3.557E-14	8.679E-14
2.900E+03	3.954E-13	7.617E-05	8.746E-06	5.412E-06	1.100E-09	1.452E-02	7.372E-01	1.100E-13	2.467E-13
3.000E+03	1.183E-12	7.210E-05	1.085E-05	8.512E-06	1.473E-09	1.988E-02	7.325E-01	3.154E-13	8.752E-13
3.100E+03	3.300E-12	6.663E-05	1.325E-05	1.294E-05	1.930E-09	2.665E-02	7.266E-01	6.452E-13	2.488E-12
3.200E+03	8.642E-12	6.168E-05	1.592E-05	1.925E-05	2.481E-09	3.305E-02	7.193E-01	2.127E-12	6.633E-12
3.300E+03	2.136E-11	5.709E-05	1.885E-05	2.782E-05	3.129E-09	4.528E-02	7.103E-01	5.067E-12	1.667E-11

TABLE II. - Continued

M	N	N2	N2+	N+	N-	N++	N+++	N****	T
1.048E-05	1.901E-01	3.355E-02	2.209E-05	2.786E-04	3.345E-06	4.509E-16	0.	C.	9.000E+03
1.209E-05	2.034E-01	2.758E-02	2.404E-05	3.706E-04	4.173E-06	1.159E-15	0.	0.	9.200E+03
1.384E-05	2.092E-01	2.246E-02	2.566E-05	4.837E-04	5.104E-06	2.845E-15	0.	0.	9.400E+03
1.575E-05	2.164E-01	1.817E-02	2.695E-05	6.203E-04	6.140E-06	6.683E-15	0.	0.	9.600E+03
1.782E-05	2.223E-01	1.465E-02	2.792E-05	7.833E-04	7.279E-06	1.510E-14	0.	0.	9.800E+03
2.005E-05	2.270E-01	1.179E-02	2.860E-05	9.756E-04	8.518E-06	3.291E-14	0.	0.	1.000E+04
3.354E-05	2.380E-01	4.036E-03	2.910E-05	2.497E-03	1.614E-05	1.028E-12	0.	C.	1.100E+04
5.036E-05	2.377E-01	1.501E-03	2.723E-05	5.299E-03	2.577E-05	1.781E-11	0.	0.	1.200E+04
6.908E-05	2.316E-01	6.119E-04	2.452E-05	9.871E-03	3.652E-05	1.990E-10	0.	0.	1.300E+04
8.745E-05	2.237E-01	2.677E-04	2.141E-05	1.661E-02	4.694E-05	1.581E-09	1.597E-23	0.	1.400E+04
1.072E-04	2.054E-01	1.226E-04	1.405E-05	2.569E-02	5.529E-05	9.560E-09	1.026E-21	0.	1.500E+04
1.127E-04	1.461E-01	5.745E-05	1.461E-05	3.691E-02	6.001E-05	4.627E-08	4.016E-20	0.	1.600E+04
1.154E-04	1.636E-01	2.701E-05	1.130E-05	4.971E-02	.023E-05	1.462E-07	1.048E-18	0.	1.700E+04
1.105E-04	1.344E-01	1.257E-05	8.313E-06	6.317E-02	5.508E-05	6.421E-07	1.957E-17	0.	1.800E+04
9.934E-05	1.152E-01	5.735E-06	5.822F-06	7.623E-02	4.865E-05	1.944E-06	2.762E-16	0.	1.900E+04
8.414E-05	9.251E-02	2.562E-06	3.894E-06	8.795E-02	3.969E-05	5.271E-06	3.081E-15	0.	2.000E+04
6.781E-05	7.264E-02	1.125E-06	2.512E-06	9.773E-02	3.069E-05	1.302E-05	2.812E-14	0.	2.100E+04
5.200E-05	5.43E-02	4.892E-07	1.577E-06	1.054E-01	2.276E-05	2.972E-05	2.160E-13	0.	2.200E+04
3.684E-05	4.301E-02	2.131E-07	6.750E-07	1.111E-01	1.041E-05	6.342E-05	1.428E-12	0.	2.300E+04
2.811E-05	3.291E-02	9.342E-08	6.004E-07	1.151E-01	1.162E-05	1.278E-04	8.274E-12	0.	2.400E+04
2.016E-05	2.528E-02	4.223E-08	3.712E-07	1.178E-01	8.175E-06	2.448E-04	4.258E-11	0.	2.500E+04
1.440E-05	1.957E-02	1.948E-08	2.318E-07	1.196E-01	5.750E-06	4.484E-04	1.969E-10	0.	2.600E+04
1.037E-05	1.533E-02	9.243E-09	1.467E-07	1.207E-01	4.066E-06	7.888E-04	8.254E-10	0.	2.700E+04
7.419E-06	1.209E-02	4.514E-09	9.411E-08	1.211E-01	2.899E-06	1.337E-03	3.162E-09	C.	2.800E+04
5.433E-06	8.633E-03	2.266E-09	6.118E-08	1.208E-01	1.208E-06	2.188E-03	1.114E-08	0.	2.900E+04
3.988E-06	7.777E-03	1.165E-09	4.021E-08	1.199E-01	1.517E-06	3.462E-03	3.627E-08	C.	3.000E+04
2.989E-06	6.311E-03	6.117E-10	2.683E-08	1.183E-01	1.112E-06	5.302E-03	1.097E-07	0.	3.100E+04
2.278E-06	5.146E-03	3.260E-10	1.769E-08	1.157E-01	8.217E-07	7.866E-03	3.089E-07	0.	3.200E+04
1.785E-06	4.705E-03	1.755E-10	1.174E-08	1.122E-01	6.131E-07	1.128E-02	8.127E-07	C.	3.300E+04
1.392E-06	3.433E-03	9.490E-11	7.744E-09	1.074E-01	4.541E-07	1.566E-02	2.002E-06	0.	3.400E+04
1.117E-06	2.744E-03	5.124E-11	5.052E-09	1.016E-01	3.381E-07	2.104E-02	4.627E-06	0.	3.500E+04
9.139E-07	2.260E-03	2.751E-11	3.246E-09	9.463E-02	2.511E-07	2.733E-02	1.006E-05	1.454E-12	3.600E+04
7.548E-07	1.815E-03	1.452E-11	2.049E-09	8.693E-02	1.857E-07	3.437E-02	2.081E-05	6.081E-12	3.700E+04
6.347E-07	1.445E-03	7.683E-12	1.269E-09	7.847E-02	1.366E-07	4.189E-02	3.599E-05	2.319E-11	3.800E+04
5.410E-07	1.139E-03	3.985E-12	7.707E-10	6.986E-02	9.985E-08	4.958E-02	7.369E-05	6.124E-11	3.900E+04
4.667E-07	8.911E-04	2.043E-12	4.595E-10	6.135E-02	7.252E-08	5.713E-02	1.296E-04	2.632E-10	4.000E+04
4.070E-07	6.916E-04	1.037E-12	2.732E-10	5.326E-02	5.238E-08	6.426E-02	2.183E-04	7.940E-10	4.100E+04
3.584E-07	5.334E-04	5.221E-13	1.569E-10	4.578E-02	3.767E-08	7.077E-02	3.540E-04	2.246E-09	4.200E+04
3.184E-07	4.044E-04	2.618E-13	9.032E-11	3.935E-02	2.700E-08	7.657E-02	5.547E-04	5.499E-09	4.300E+04
2.849E-07	3.133E-04	1.311E-13	5.171E-11	3.312E-02	1.932E-08	8.147E-02	8.432E-04	1.514E-08	4.400E+04
2.568E-07	2.393E-04	6.511E-14	2.953E-11	2.747E-02	1.383E-08	8.558E-02	1.247E-03	3.647E-08	4.500E+04
2.324E-07	1.827E-04	3.306E-14	1.686E-11	2.357E-02	9.975E-09	8.886E-02	1.799E-03	8.402E-08	4.600E+04
2.122E-07	1.395E-04	1.871E-14	9.848E-12	1.982E-02	7.108E-09	9.135E-02	2.536E-03	1.857E-07	4.700E+04
1.943E-07	1.068E-04	8.532E-15	5.535E-12	1.666E-02	5.111E-09	4.335E-02	3.539E-03	3.950E-07	4.800E+04
1.787E-07	8.163E-05	4.353E-15	3.186E-12	1.399E-02	3.686E-09	9.401E-02	4.753E-03	8.107E-07	4.900E+04
1.650E-07	6.252E-05	2.241E-15	1.840E-12	1.174E-02	2.666E-09	4.424E-02	6.322E-03	1.606E-06	5.000E+04

P/PU = 4.60F+01

M	N	N2	N2+	N+	N-	N++	N+++	N****	T
0.	0.	9.203E-02	6.604E-21	0.	0.	0.	0.	0.	5.700E+02
0.	0.	1.772E-01	9.360E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.249E-01	1.197E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.313E-29	2.412E-01	1.510E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.751E-26	2.464E-01	1.826E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.185E-23	2.483E-01	2.102E-20	0.	0.	0.	0.	0.	1.000E+03
0.	4.014E-21	2.491E-01	2.318E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.102E-19	2.495E-01	2.465E-20	8.566E-34	0.	0.	0.	0.	1.200E+03
0.	1.232E-17	2.497E-01	2.549E-20	1.004E-32	0.	0.	0.	0.	1.300E+03
0.	2.897E-16	2.498E-01	2.578E-20	1.964E-31	0.	0.	0.	0.	1.400E+03
0.	4.482E-15	2.498E-01	2.564E-20	1.670E-30	0.	0.	0.	0.	1.500E+03
0.	4.931E-14	2.499E-01	2.520E-20	1.084E-29	C.	C.	0.	0.	1.600E+03
0.	4.947E-13	2.499E-01	2.455E-20	5.587E-29	C.	0.	0.	0.	1.700E+03
1.493E-27	2.496E-12	2.499E-01	2.377E-20	2.382E-28	0.	C.	0.	0.	1.800E+03
5.294E-25	1.454E-11	2.495E-01	2.294E-20	8.862E-28	0.	C.	0.	0.	1.900E+03
1.010E-22	6.640E-11	2.499E-01	2.292E-20	2.858E-27	0.	0.	0.	0.	2.000E+03
5.184E-21	2.625E-10	2.499E-01	5.170E-20	1.901E-26	1.025E-28	0.	0.	0.	2.100E+03
6.656E-20	9.164E-10	2.499E-01	3.029E-19	2.977E-25	3.192E-27	0.	0.	0.	2.200E+03
5.715E-19	2.872E-09	2.498E-01	1.824E-18	4.403E-24	6.159E-26	0.	0.	0.	2.300E+03
4.009E-18	8.135E-09	2.497E-01	6.900E-18	5.324E-23	9.071E-25	0.	0.	0.	2.400E+03
2.357E-17	2.146E-08	2.496E-01	4.525E-17	5.302E-22	1.073E-23	0.	0.	0.	2.500E+03
1.247E-16	5.228E-08	2.494E-01	1.881E-16	4.435E-21	1.048E-22	0.	0.	0.	2.600E+03
5.732E-16	1.172E-07	2.491E-01	7.048E-16	3.178E-20	8.837E-22	0.	0.	0.	2.700E+03
2.359E-15	2.264E-07	2.487E-01	2.407E-15	1.977E-19	6.114E-21	0.	0.	0.	2.800E+03
8.790E-15	5.231E-07	2.482E-01	7.563E-15	1.047E-18	3.776E-20	0.	0.	0.	2.900E+03
2.946E-14	1.318E-06	2.475E-01	2.205E-14	5.346E-18	2.062E-19	0.	0.	0.	3.000E+03
9.011E-14	1.496E-06	2.468E-01	6.009E-14	2.375E-17	1.007E-18	0.	0.	0.	3.100E+03
2.741E-13	3.398E-06	2.456E-01	1.540E-13	9.625E-17	4.647E-18	0.	0.	0.	3.200E+03
7.465E-13	9.875E-06	2.443E-01	3.732E-13	3.549E-16	1.791E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	5.009E-11	5.281E-05	2.200E-05	3.926E-05	3.877E-09	5.754E-02	6.996E-01	1.145E-11	3.969E-11
3.500E+03	1.119E-10	4.876E-05	2.534E-05	5.417E-05	4.722E-09	7.199E-02	6.869E-01	2.465E-11	6.995E-11
3.600E+03	2.390E-10	4.491E-05	2.881E-05	7.322E-05	5.658E-09	8.877E-02	6.722E-01	5.076E-11	1.948E-10
3.700E+03	4.898E-10	4.122E-05	3.233E-05	9.705E-05	6.671E-09	1.080E-01	6.554E-01	1.003E-10	4.045E-10
3.800E+03	9.664E-10	3.767E-05	3.584E-05	1.263E-04	7.744E-09	1.297E-01	6.364E-01	1.906E-10	8.081E-10
3.900E+03	1.840E-09	3.426E-05	3.924E-05	1.615E-04	8.854E-09	1.539E-01	6.152E-01	3.495E-10	1.557E-09
4.000E+03	3.391E-09	3.098E-05	4.244E-05	2.032E-04	9.974E-09	1.804E-01	5.919E-01	6.192E-10	2.901E-09
4.100E+03	6.059E-09	2.784E-05	4.536E-05	2.517E-04	1.107E-08	2.092E-01	5.667E-01	1.063E-09	5.239E-09
4.200E+03	1.052E-08	2.485E-05	4.792E-05	3.072E-04	1.212E-08	2.401E-01	5.396E-01	1.769E-09	9.190E-09
4.300E+03	1.778E-08	2.202E-05	5.005E-05	3.696E-04	1.308E-08	2.727E-01	5.110E-01	2.862E-09	1.568E-08
4.400E+03	2.932E-08	1.937E-05	5.168E-05	4.388E-04	1.393E-08	3.067E-01	4.812E-01	4.506E-09	2.608E-08
4.500E+03	4.720E-08	1.690E-05	5.278E-05	5.144E-04	1.464E-08	3.417E-01	4.505E-01	6.914E-09	4.235E-08
4.600E+03	7.432E-08	1.463E-05	5.332E-05	5.958E-04	1.520E-08	3.773E-01	4.192E-01	1.035E-08	6.721E-08
4.700E+03	1.146E-07	1.256E-05	5.332E-05	6.822E-04	1.559E-08	4.131E-01	3.878E-01	1.514E-08	1.044E-07
4.800E+03	1.733E-07	1.070E-05	5.280E-05	7.728E-04	1.581E-08	4.485E-01	3.567E-01	2.167E-08	1.590E-07
4.900E+03	2.573E-07	9.050E-06	5.180E-05	8.667E-04	1.588E-08	4.831E-01	3.262E-01	3.037E-08	2.374E-07
5.000E+03	3.755E-07	7.599E-06	5.037E-05	9.629E-04	1.576E-08	5.166E-01	2.967E-01	4.173E-08	3.884E-07
5.200E+03	7.620E-07	5.257E-06	4.650E-05	1.159E-03	1.515E-08	5.787E-01	2.418E-01	7.461E-08	7.136E-07
5.400E+03	1.460E-06	3.562E-06	4.180E-05	1.353E-03	1.413E-08	6.326E-01	1.939E-01	1.249E-07	1.374E-06
5.600E+03	2.658E-06	2.378E-06	3.677E-05	1.542E-03	1.288E-08	6.779E-01	1.534E-01	1.976E-07	2.517E-06
5.800E+03	4.627E-06	1.575E-06	3.185E-05	1.722E-03	1.154E-08	7.143E-01	1.205E-01	1.205E-07	4.392E-06
6.000E+03	7.745E-06	1.041E-06	2.727E-05	1.889E-03	1.019E-08	7.426E-01	9.420E-02	4.304E-07	7.350E-06
6.200E+03	1.252E-05	6.886E-07	2.318E-05	2.044E-03	8.919E-09	7.640E-01	7.363E-02	6.003E-07	1.150E-05
6.400E+03	1.903E-05	4.577E-07	1.960E-05	2.183E-03	7.740E-09	7.796E-01	5.769E-02	8.125E-07	1.849E-05
6.600E+03	2.995E-05	3.063E-07	1.652E-05	2.305E-03	6.668E-09	7.905E-01	4.539E-02	1.071E-06	2.801E-05
6.800E+03	4.660E-05	2.065E-07	1.389E-05	2.409E-03	5.704E-09	7.976E-01	3.591E-02	1.381E-06	4.130E-05
6.900E+03	6.496E-05	1.402E-07	1.165E-05	2.492E-03	4.844E-09	8.016E-01	2.859E-02	1.745E-06	5.942E-05
7.000E+03	9.276E-05	9.590E-08	9.753E-06	2.552E-03	4.080E-09	8.031E-01	2.292E-02	2.166E-06	8.365E-05
7.200E+03	1.301E-04	6.603E-08	8.145E-06	2.588E-03	3.405E-09	8.026E-01	1.849E-02	2.647E-06	1.154E-04
7.400E+03	1.794E-04	4.572E-08	6.785E-06	2.599E-03	2.814E-09	8.005E-01	1.503E-02	3.189E-06	1.563E-04
7.600E+03	2.438E-04	3.182E-08	5.634E-06	2.584E-03	2.301E-09	7.971E-01	1.230E-02	3.795E-06	2.081E-04
7.800E+03	3.265E-04	2.225E-08	4.664E-06	2.546E-03	1.860E-09	7.929E-01	1.014E-02	4.467E-06	2.730E-04
8.000E+03	4.315E-04	1.563E-08	3.849E-06	2.480E-03	1.485E-09	7.881E-01	8.416E-03	5.207E-06	3.531E-04
8.200E+03	5.614E-04	1.102E-08	3.167E-06	2.395E-03	1.173E-09	7.830E-01	7.037E-03	6.021E-06	4.512E-04
8.400E+03	7.269E-04	7.808E-09	2.599E-06	2.293E-03	9.161E-10	7.778E-01	5.927E-03	6.915E-06	5.701E-04
8.600E+03	9.277E-04	5.559E-09	2.129E-06	2.178E-03	7.085E-10	7.729E-01	5.029E-03	7.895E-06	7.132E-04
8.800E+03	1.172E-03	3.794E-09	1.741E-06	2.053E-03	5.433E-10	7.682E-01	4.298E-03	8.949E-06	8.843E-04
9.000E+03	1.465E-03	2.865E-09	1.424E-06	1.924E-03	4.139E-10	7.640E-01	3.700E-03	1.015E-05	1.087E-03
9.200E+03	1.815E-03	2.076E-09	1.165E-06	1.795E-03	3.134E-10	7.602E-01	3.206E-03	1.144E-05	1.327E-03
9.400E+03	2.230E-03	1.515E-09	9.547E-07	1.668E-03	2.374E-10	7.569E-01	2.797E-03	1.285E-05	1.608E-03
9.600E+03	2.716E-03	1.114E-09	7.839E-07	1.546E-03	1.794E-10	7.539E-01	2.454E-03	1.438E-05	1.936E-03
1.000E+04	3.283E-03	8.252E-10	6.455E-07	1.430E-03	1.357E-10	7.513E-01	2.165E-03	1.605E-05	2.316E-03
1.100E+04	7.655E-03	2.361E-10	2.573E-07	9.652E-04	3.525E-11	7.404E-01	1.239E-03	1.239E-05	2.107E-03
1.200E+04	1.553E-02	6.076E-11	1.121E-07	6.633E-04	1.025E-11	7.280E-01	7.668E-04	4.037E-05	1.036E-02
1.300E+04	2.826E-02	2.020E-11	5.228E-08	4.648E-04	3.299E-12	7.098E-01	4.976E-04	5.720E-05	1.863E-02
1.400E+04	4.704E-02	7.234E-12	2.539E-08	3.282E-04	1.132E-12	6.835E-01	3.309E-04	7.570E-05	3.081E-02
1.500E+04	7.262E-02	2.679E-12	1.249E-08	2.300E-04	3.985E-13	6.476E-01	2.214E-04	9.386E-05	4.748E-02
1.600E+04	1.150E-01	9.411E-13	6.082E-09	1.578E-04	1.392E-13	6.019E-01	1.469E-04	1.092E-04	6.887E-02
1.700E+04	1.435E-01	3.560E-13	2.873E-09	1.048E-04	4.694E-14	5.474E-01	9.545E-05	1.194E-04	9.465E-02
1.800E+04	1.861E-01	1.216E-13	1.297E-09	6.683E-05	1.495E-14	4.861E-01	6.017E-05	1.226E-04	1.240E-01
1.900E+04	2.306E-01	3.892E-14	5.553E-10	4.072E-05	4.446E-15	4.214E-01	3.658E-05	1.185E-04	1.554E-01
2.000E+04	2.742E-01	1.164E-14	2.248E-10	2.372E-05	1.231E-15	3.569E-01	2.140E-05	1.081E-04	1.872E-01
2.100E+04	3.146E-01	3.265E-15	8.647E-11	1.327E-05	3.201E-16	2.961E-01	1.208E-05	5.350E-05	2.177E-01
2.200E+04	3.502E-01	8.706E-16	3.196E-11	7.193E-06	7.928E-17	2.417E-01	6.608E-06	7.727E-05	2.455E-01
2.300E+04	3.802E-01	2.247E-16	1.151E-11	3.819E-06	1.910E-17	1.951E-01	3.537E-06	6.156E-05	2.696E-01
2.400E+04	4.047E-01	5.726E-17	4.107E-12	2.009E-06	4.570E-18	1.567E-01	1.871E-06	4.773E-05	2.898E-01
2.500E+04	4.241E-01	1.469E-17	1.472E-12	1.058E-06	1.107E-18	1.258E-01	9.873E-07	3.635E-05	3.061E-01
2.600E+04	4.393E-01	3.851E-18	5.364E-13	5.619E-07	2.759E-19	1.014E-01	5.242E-07	2.740E-05	3.191E-01
2.700E+04	4.512E-01	1.744E-18	2.073E-13	3.028E-07	7.136E-20	8.235E-02	2.818E-07	2.059E-05	3.292E-01
2.800E+04	4.606E-01	2.946E-19	7.711E-14	1.661E-07	1.928E-20	6.752E-02	1.561E-07	1.548E-05	3.370E-01
2.900E+04	4.680E-01	8.890E-20	3.066E-14	9.289E-08	5.452E-21	5.595E-02	8.597E-08	1.189E-05	3.430E-01
3.000E+04	4.742E-01	2.681E-20	1.260E-14	5.294E-08	1.613E-21	4.688E-02	4.930E-08	8.890E-06	3.475E-01
3.100E+04	4.794E-01	8.846E-21	5.343E-15	3.071E-08	4.972E-22	3.970E-02	2.856E-08	6.810E-06	3.507E-01
3.200E+04	4.841E-01	2.906E-21	2.334E-15	1.813E-08	1.591E-22	3.398E-02	1.701E-08	5.259E-06	3.529E-01
3.300E+04	4.885E-01	1.014E-21	1.046E-15	1.081E-08	5.255E-23	2.936E-02	1.035E-08	4.095E-06	3.542E-01
3.400E+04	4.929E-01	3.684E-22	4.800E-16	6.523E-09	1.780E-23	2.580E-02	6.431E-09	3.215E-06	3.547E-01
3.500E+04	4.974E-01	1.363E-22	2.245E-16	3.964E-09	6.144E-24	2.251E-02	4.074E-09	2.544E-06	3.544E-01
3.600E+04	5.021E-01	5.208E-23	1.067E-16	2.421E-09	2.149E-24	1.994E-02	2.650E-09	2.028E-06	3.539E-01
3.700E+04	5.068E-01	2.033E-23	5.133E-17	1.482E-09	7.584E-25	1.779E-02	1.727E-09	1.629E-06	3.521E-01
3.800E+04	5.117E-01	8.094E-24	2.493E-17	9.077E-10	2.690E-25	1.597E-02	1.154E-09	1.318E-06	3.503E-01
3.900E+04	5.165E-01	3.280E-24	1.223E-17	5.561E-10	9.571E-26	1.441E-02	7.825E-10	1.075E-06	3.482E-01
4.000E+04	5.211E-01	1.351E-24	6.060E-18	3.407E-10	3.416E-26	1.307E-02	5.386E-10	8.822E-07	3.461E-01
4.100E+04	5.254E-01	5.658E-25	3.055E-18	2.086E-10	1.224E-26	1.191E-02	3.760E-10	7.294E-07	3.440E-01
4.200E+04	5.294E-01	2.438E-25	1.531E-18	1.282E-10	4.409E-27	1.090E-02	2.659E-10	6.073E-07	3.420E-01
4.300E+04	5.331E-01	1.042E-25	7.804E-19	7.890E-11	1.601E-27	1.001E-02	1.904E-10	5.090E-07	3.402E-01
4.400E+04	5.363E-01	4.547E-26	4.020E-19	4.876E-11	5.875E-28	9.235E-03	1.380E-10	4.295E-07	3.389E-01
4.500E+04	5.392E-01	2.054E-26	2.095E-19	3.028E-11	2.186E-28	8.554E-03	1.011E-10	3.644E-07	3.371E-01
4.600E+04	5.418E-01	9.367E-27	1.105E-19	1.892E-11	8.207E-29	7.917E-03	7.484E-11	3.113E-07	3.358E-01
4.700E+04	5.441E-01	4.346E-27	5.903E-20	1.190E-11	3.116E-29	7.385E-03	6.600E-11	2.473E-07	3.346E-01
4.800E+04	5.462E-01	2.052E-27	3.192E-20	7.933E-12	1.217E-29	6.869E-03	4.228E-11	2.307E-07	3.336E-01
4.900E+04	5.482E-01	9.850E-28	1.747E-20	4.803E-12	4.794E-30	6.421E-03	3.221E-11	1.909E-07	3.325E-01
5.000E+04	5.501E-01	4.804E-28	9.676E-21	3.083E-12	1.918E-30	6.015E-03	2.474E-11	1.741E-07	3.314E-01

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.911E-12	9.832E-06	2.420E-01	8.595E-13	1.240E-15	6.632E-17	0.	0.	0.	3.400E+03
4.617E-12	1.597E-05	2.409E-01	1.889E-12	3.999E-15	2.273E-16	0.	0.	0.	3.500E+03
1.056E-11	2.523E-05	2.388E-01	3.979E-12	1.210E-14	7.260E-16	0.	0.	0.	3.600E+03
2.309E-11	3.886E-05	2.364E-01	8.056E-12	3.452E-14	2.170E-15	0.	0.	0.	3.700E+03
4.312E-11	5.847E-05	2.337E-01	1.573E-11	9.334E-14	6.107E-15	0.	0.	0.	3.800E+03
9.609E-11	8.608E-05	2.306E-01	2.969E-11	2.402E-13	1.624E-14	0.	0.	0.	3.900E+03
1.844E-10	1.242E-04	2.272E-01	5.434E-11	5.904E-13	4.100E-14	0.	0.	0.	4.000E+03
3.407E-10	1.750E-04	2.236E-01	9.664E-11	1.391E-12	9.860E-14	0.	0.	0.	4.100E+03
6.077E-10	2.447E-04	2.197E-01	1.673E-10	3.151E-12	2.266E-13	0.	0.	0.	4.200E+03
1.049E-09	3.349E-04	2.155E-01	2.827E-10	6.882E-12	4.994E-13	0.	0.	0.	4.300E+03
1.753E-09	4.516E-04	2.111E-01	4.668E-10	1.453E-11	1.058E-12	0.	0.	0.	4.400E+03
2.848E-09	6.304E-04	2.066E-01	7.566E-10	2.974E-11	2.155E-12	0.	0.	0.	4.500E+03
4.491E-09	7.874E-04	2.020E-01	1.196E-09	5.909E-11	4.255E-12	0.	0.	0.	4.600E+03
6.903E-09	1.021E-03	1.974E-01	1.862E-09	1.143E-10	8.121E-12	0.	0.	0.	4.700E+03
1.035E-08	1.309E-03	1.927E-01	2.849E-09	2.154E-10	1.503E-11	0.	0.	0.	4.800E+03
1.515E-08	1.660E-03	1.881E-01	4.293E-09	3.966E-10	2.719E-11	0.	0.	0.	4.900E+03
2.169E-08	2.044E-03	1.836E-01	6.376E-09	7.141E-10	4.770E-11	0.	0.	0.	5.000E+03
4.182E-08	3.200E-03	1.751E-01	1.352E-08	2.178E-09	1.365E-10	0.	0.	0.	5.200E+03
7.495E-08	4.760E-03	1.672E-01	2.735E-08	6.166E-09	3.582E-10	0.	0.	0.	5.400E+03
1.261E-07	6.888E-03	1.602E-01	5.306E-08	1.434E-08	8.705E-10	0.	0.	0.	5.600E+03
2.008E-07	9.717E-03	1.538E-01	9.902E-08	4.074E-08	1.977E-09	0.	0.	0.	5.800E+03
3.095E-07	1.340E-02	1.478E-01	1.782E-07	9.607E-08	4.229E-09	4.449E-26	0.	0.	6.000E+03
4.468E-07	1.810E-02	1.421E-01	3.096E-07	2.151E-07	8.571E-07	4.231E-25	0.	0.	6.200E+03
6.322E-07	2.396E-02	1.365E-01	5.196E-07	4.586E-07	1.654E-08	3.512E-24	0.	0.	6.400E+03
8.691E-07	3.111E-02	1.306E-01	8.431E-07	9.338E-07	3.051E-08	2.570E-23	0.	0.	6.600E+03
1.186E-06	3.967E-02	1.243E-01	1.323E-06	1.823E-06	4.022E-08	1.672E-22	0.	0.	6.800E+03
1.531E-06	4.967E-02	1.175E-01	2.007E-06	3.405E-06	9.202E-08	9.758E-22	0.	0.	7.000E+03
1.972E-06	6.112E-02	1.101E-01	2.945E-06	6.123E-06	1.512E-07	5.142E-21	0.	0.	7.200E+03
2.498E-06	7.391E-02	1.021E-01	4.181E-06	1.060E-05	2.401E-07	2.464E-20	0.	0.	7.400E+03
3.117E-06	8.786E-02	9.364E-02	5.743E-06	1.772E-05	3.692E-07	1.080E-19	0.	0.	7.600E+03
3.838E-06	1.027E-01	8.476E-02	7.635E-06	2.861E-05	5.503E-07	4.354E-19	0.	0.	7.800E+03
4.688E-06	1.181E-01	7.565E-02	9.878E-06	4.470E-05	7.963E-07	1.623E-18	0.	0.	8.000E+03
5.615E-06	1.336E-01	6.584E-02	1.274E-05	6.770E-05	1.120E-06	5.625E-18	0.	0.	8.200E+03
6.647E-06	1.498E-01	5.767E-02	1.683E-05	9.954E-05	1.533E-06	1.820E-17	0.	0.	8.400E+03
7.850E-06	1.632E-01	4.925E-02	1.742E-05	1.424E-04	2.044E-06	5.526E-17	0.	0.	8.600E+03
9.233E-06	1.766E-01	4.149E-02	1.992E-05	1.985E-04	2.865E-06	1.581E-16	0.	0.	8.800E+03
1.072E-05	1.895E-01	3.452E-02	2.222E-05	2.703E-04	3.393E-06	4.281E-16	0.	0.	9.000E+03
1.236E-05	1.990E-01	2.861E-02	2.424E-05	3.600E-04	4.233E-06	1.102E-15	0.	0.	9.200E+03
1.415E-05	2.079E-01	2.319E-02	2.593E-05	4.703E-04	5.184E-06	2.706E-15	0.	0.	9.400E+03
1.611E-05	2.153E-01	1.881E-02	2.728E-05	6.038E-04	6.243E-06	6.369E-15	0.	0.	9.600E+03
1.822E-05	2.214E-01	1.519E-02	2.831E-05	7.431E-04	7.409E-06	1.439E-14	0.	0.	9.800E+03
2.050E-05	2.262E-01	1.224E-02	2.905E-05	9.512E-04	8.678E-06	3.139E-14	0.	0.	1.000E+04
2.300E-05	2.374E-01	4.211E-03	2.970E-05	2.440E-03	1.664E-05	9.823E-13	0.	0.	1.100E+04
2.564E-05	2.378E-01	1.570E-03	2.785E-05	5.182E-03	2.837E-05	1.703E-11	0.	0.	1.200E+04
2.870E-05	2.319E-01	6.413E-04	2.512E-05	9.661E-03	3.741E-05	1.904E-10	0.	0.	1.300E+04
3.207E-05	2.212E-01	2.813E-04	2.198E-05	1.627E-02	4.817E-05	1.513E-09	1.493E-23	0.	1.400E+04
3.574E-05	2.063E-01	1.293E-04	1.858E-05	2.518E-02	5.887E-05	9.150E-09	9.584E-22	0.	1.500E+04
3.976E-05	1.873E-01	6.083E-05	1.509E-05	3.623E-02	6.912E-05	4.430E-08	3.750E-20	0.	1.600E+04
4.413E-05	1.651E-01	2.876E-05	1.172E-05	4.887E-02	6.238E-05	1.784E-07	9.782E-19	0.	1.700E+04
4.887E-05	1.411E-01	1.347E-05	8.667E-06	6.222E-02	5.834E-05	6.154E-07	1.425E-17	0.	1.800E+04
5.406E-05	1.170E-01	6.192E-06	6.105E-06	7.524E-02	5.094E-05	1.864E-06	2.473E-16	0.	1.900E+04
5.969E-05	9.439E-02	2.788E-06	4.111E-06	8.701E-02	4.177E-05	5.056E-06	2.465E-15	0.	2.000E+04
6.572E-05	7.441E-02	1.234E-06	2.667E-06	9.690E-02	3.248E-05	1.249E-05	2.611E-14	0.	2.100E+04
7.217E-05	5.771E-02	5.407E-07	1.684E-06	1.047E-01	2.422E-05	2.852E-05	2.003E-13	0.	2.200E+04
7.894E-05	4.437E-02	2.371E-07	1.046E-06	1.105E-01	1.754E-05	6.087E-05	1.322E-12	0.	2.300E+04
8.603E-05	3.434E-02	1.051E-07	6.469E-07	1.147E-01	1.248E-05	1.226E-04	7.649E-12	0.	2.400E+04
9.344E-05	2.621E-02	4.745E-08	4.013E-07	1.175E-01	8.810E-06	2.348E-04	3.431E-11	0.	2.500E+04
1.015E-04	2.032E-02	2.197E-08	2.513E-07	1.194E-01	6.215E-06	4.301E-04	1.815E-10	0.	2.600E+04
1.112E-04	1.591E-02	1.046E-09	1.593E-07	1.205E-01	4.404E-06	7.564E-04	7.602E-10	0.	2.700E+04
1.225E-04	1.259E-02	5.119E-09	1.024E-07	1.210E-01	3.144E-06	1.282E-03	2.910E-09	0.	2.800E+04
1.354E-04	1.006E-02	2.575E-09	6.669E-08	1.204E-01	2.268E-06	2.099E-03	1.027E-08	0.	2.900E+04
1.500E-04	8.117E-03	1.327E-09	4.390E-08	1.200E-01	1.651E-06	3.322E-03	3.337E-08	0.	3.000E+04
1.664E-04	6.494E-03	6.982E-10	2.913E-08	1.185E-01	1.213E-06	5.090E-03	1.009E-07	0.	3.100E+04
1.847E-04	5.173E-03	3.731E-10	1.940E-08	1.160E-01	8.970E-07	7.555E-03	2.865E-07	0.	3.200E+04
1.999E-04	4.045E-03	2.014E-10	1.291E-08	1.126E-01	6.470E-07	1.085E-02	7.493E-07	0.	3.300E+04
2.144E-04	3.030E-03	1.093E-10	8.547E-09	1.081E-01	4.974E-07	1.509E-02	1.849E-06	0.	3.400E+04
2.295E-04	2.198E-03	5.927E-11	5.594E-09	1.024E-01	3.711E-07	2.032E-02	4.262E-06	2.793E-13	3.500E+04
2.454E-04	1.591E-03	3.197E-11	3.615E-09	9.563E-02	2.763E-07	2.646E-02	9.329E-06	1.293E-12	3.600E+04
2.619E-04	1.191E-03	1.709E-11	2.294E-09	8.798E-02	2.049E-07	3.337E-02	1.918E-05	5.421E-12	3.700E+04
2.793E-04	1.532E-03	9.324E-12	1.429E-09	7.972E-02	1.512E-07	4.079E-02	3.731E-05	2.074E-11	3.800E+04
2.983E-04	1.212E-03	4.712E-12	8.731E-10	7.119E-02	1.108E-07	4.842E-02	6.895E-05	7.284E-11	3.900E+04
3.188E-04	9.506E-04	2.430E-12	6.271E-10	6.271E-02	8.074E-08	5.595E-02	1.216E-04	2.366E-10	4.000E+04
3.406E-04	7.399E-04	1.240E-12	3.096E-10	5.459E-02	5.849E-08	6.311E-02	2.054E-04	1.158E-10	4.100E+04
3.637E-04	5.722E-04	6.243E-13	1.809E-10	4.705E-02	4.821E-08	6.968E-02	3.339E-04	2.629E-09	4.200E+04
3.881E-04	4.434E-04	3.167E-13	1.047E-10	4.023E-02	3.032E-08	7.553E-02	5.244E-04	5.423E-09	4.300E+04
4.138E-04	3.378E-04	1.593E-13	6.019E-11	3.420E-02	2.176E-08	8.059E-02	7.988E-04	1.374E-08	4.400E+04
4.407E-04	2.566E-04	8.021E-14	3.452E-11	2.895E-02	1.560E-08	8.481E-02	1.184E-03	3.315E-08	4.500E+04
4.690E-04	1.978E-04	4.051E-14	1.979E-11	2.443E-02	1.120E-08	8.822E-02	1.711E-03	7.648E-08	4.600E+04
4.987E-04	1.513E-04	2.355E-14	1.136E-11	2.059E-02	8.045E-09	9.083E-02	2.417E-03	1.697E-07	4.700E+04
5.300E-04	1.108E-04	1.644E-14	6.538E-12	1.733E-02	5.799E-09	9.267E-02	3.344E-03	3.805E-07	4.800E+04
5.629E-04	8.078E-05	5.388E-15	3.775E-12	1.457E-02	4.184E-09	9.378E-02	4.538E-03	7.405E-07	4.900E+04
6.001E-04	6.013E-05	2.785E-15	2.187E-12	1.225E-02	3.034E-09	9.412E-02	6.044E-03	1.470E-06	5.000E+04

TABLE II. - Continued

F/PO = 4.00E+01

T	E-	NM3	NM2	NM1	N2M2	M	M2	M2+	M+
5.000E+02	0.	6.379E-01	1.520E-20	5.851E-35	1.749E-20	5.275E-22	2.716E-01	1.307E-10	1.070E-21
6.000E+02	0.	2.980E-01	3.129E-17	4.323E-29	2.757E-24	4.869E-10	5.269E-01	1.093E-10	3.275E-21
7.000E+02	0.	1.039E-01	5.019E-15	1.026E-24	1.678E-21	7.004E-15	6.721E-01	9.190E-10	8.267E-21
8.000E+02	0.	3.663E-02	1.885E-13	1.319E-21	1.621E-19	3.564E-13	7.225E-01	8.491E-10	1.853E-20
9.000E+02	0.	1.494E-02	2.973E-12	3.330E-19	5.260E-10	1.453E-11	7.380E-01	8.100E-10	3.605E-20
1.000E+03	0.	7.077E-03	2.635E-11	2.765E-17	8.331E-17	2.830E-10	7.447E-01	7.751E-10	6.152E-20
1.100E+03	0.	3.795E-03	1.566E-10	1.018E-15	7.942E-16	3.227E-09	7.472E-01	7.373E-10	9.429E-20
1.200E+03	0.	2.244E-03	6.867E-10	2.069E-14	5.200E-15	2.464E-09	7.483E-01	6.960E-10	1.327E-19
1.300E+03	0.	1.441E-03	2.393E-09	2.634E-13	2.555E-14	1.301E-07	7.489E-01	6.523E-10	1.747E-19
1.400E+03	0.	9.841E-04	6.965E-09	2.331E-12	1.003E-13	6.073E-07	7.493E-01	6.085E-10	2.180E-19
1.500E+03	0.	7.078E-04	1.757E-08	1.543E-11	1.543E-11	2.198E-06	7.495E-01	5.655E-10	2.609E-19
1.600E+03	2.456E-30	5.312E-04	3.947E-08	8.061E-11	9.328E-13	6.788E-06	7.496E-01	5.246E-10	3.021E-19
1.700E+03	2.264E-27	4.129E-04	8.060E-08	3.468E-10	2.346E-12	1.839E-05	7.497E-01	4.869E-10	3.472E-19
1.800E+03	9.947E-25	3.306E-04	1.520E-07	1.269E-09	3.342E-12	4.469E-05	7.497E-01	4.516E-10	3.762E-19
1.900E+03	2.337E-22	2.713E-04	2.682E-07	4.050E-09	1.114E-11	9.904E-05	7.497E-01	4.201E-10	4.080E-19
2.000E+03	3.110E-20	2.274E-04	4.470E-07	1.151E-08	2.177E-11	2.029E-04	7.497E-01	4.097E-10	4.540E-19
2.100E+03	1.477E-18	1.941E-04	7.096E-07	2.962E-08	3.986E-11	3.887E-04	7.499E-01	3.735E-10	1.109E-18
2.200E+03	1.140E-17	1.683E-04	1.080E-06	6.996E-08	6.920E-11	7.025E-04	7.499E-01	4.958E-10	7.062E-18
2.300E+03	7.565E-17	1.478E-04	1.584E-06	1.533E-07	1.147E-10	1.207E-03	7.498E-01	2.916E-10	4.612E-17
2.400E+03	4.204E-16	1.313E-04	2.251E-06	3.146E-07	1.823E-10	1.982E-03	7.482E-01	1.517E-10	2.640E-16
2.500E+03	2.036E-15	1.177E-04	3.106E-06	6.095E-07	2.795E-10	3.131E-03	7.472E-01	6.948E-10	1.321E-15
2.600E+03	8.749E-15	1.065E-04	4.180E-06	1.122E-06	4.148E-10	4.775E-03	7.457E-01	2.837E-10	5.852E-15
2.700E+03	3.382E-14	9.694E-05	5.495E-06	1.972E-06	5.978E-10	7.058E-03	7.437E-01	1.045E-10	2.375E-14
2.800E+03	1.189E-13	8.875E-05	7.076E-06	3.329E-06	8.398E-10	1.014E-02	7.411E-01	3.510E-10	8.381E-14
2.900E+03	3.841E-13	8.161E-05	8.938E-06	5.414E-06	1.149E-09	1.422E-02	7.375E-01	1.085E-10	2.769E-13
3.000E+03	1.149E-12	7.530E-05	1.139E-05	8.515E-06	1.538E-09	1.947E-02	7.329E-01	3.113E-10	8.455E-13
3.100E+03	3.205E-12	6.962E-05	1.354E-05	1.299E-05	2.016E-09	2.610E-02	7.271E-01	8.345E-11	2.404E-12
3.200E+03	8.393E-12	6.446E-05	1.628E-05	1.926E-05	2.928E-09	3.433E-02	7.199E-01	2.103E-10	6.410E-12
3.300E+03	2.074E-11	5.969E-05	1.928E-05	2.784E-05	3.270E-09	4.435E-02	7.111E-01	5.006E-10	1.109E-11
3.400E+03	4.864E-11	5.524E-05	2.252E-05	3.940E-05	4.054E-09	5.637E-02	7.008E-01	1.131E-10	3.837E-11
3.500E+03	1.086E-10	5.104E-05	2.595E-05	5.424E-05	4.940E-09	7.054E-02	6.882E-01	2.437E-10	8.698E-11
3.600E+03	2.321E-10	4.704E-05	2.951E-05	7.334E-05	5.923E-09	8.700E-02	6.739E-01	5.021E-10	1.884E-10
3.700E+03	4.757E-10	4.321E-05	3.314E-05	9.724E-05	6.988E-09	1.059E-01	6.572E-01	9.925E-11	3.914E-10
3.800E+03	9.385E-10	3.954E-05	3.676E-05	1.266E-04	8.119E-09	1.272E-01	6.386E-01	1.888E-10	7.820E-10
3.900E+03	1.787E-09	3.600E-05	4.028E-05	1.620E-04	9.297E-09	1.509E-01	6.179E-01	3.463E-10	1.507E-09
4.000E+03	3.294E-09	3.260E-05	4.361E-05	2.039E-04	1.048E-08	1.771E-01	5.949E-01	6.139E-10	2.809E-09
4.100E+03	5.887E-09	2.934E-05	4.646E-05	2.527E-04	1.165E-08	2.054E-01	5.700E-01	1.054E-09	5.005E-09
4.200E+03	1.022E-08	2.623E-05	4.935E-05	3.086E-04	1.276E-08	2.358E-01	5.433E-01	1.757E-09	8.903E-09
4.300E+03	1.724E-08	2.329E-05	5.160E-05	3.716E-04	1.380E-08	2.680E-01	5.151E-01	2.845E-09	1.520E-08
4.400E+03	2.850E-08	2.052E-05	5.336E-05	4.415E-04	1.472E-08	3.016E-01	4.856E-01	4.483E-09	2.529E-08
4.500E+03	4.589E-08	1.794E-05	5.457E-05	5.179E-04	1.549E-08	3.363E-01	4.552E-01	6.886E-09	4.107E-08
4.600E+03	7.228E-08	1.556E-05	5.522E-05	6.004E-04	1.611E-08	3.716E-01	4.242E-01	1.072E-08	6.521E-08
4.700E+03	1.115E-07	1.340E-05	5.531E-05	6.881E-04	1.655E-08	4.071E-01	3.930E-01	1.512E-08	1.014E-07
4.800E+03	1.687E-07	1.144E-05	5.486E-05	7.802E-04	1.681E-08	4.423E-01	3.621E-01	2.166E-08	1.544E-07
4.900E+03	2.505E-07	9.701E-06	5.391E-05	8.757E-04	1.690E-08	4.769E-01	3.317E-01	3.045E-08	2.307E-07
5.000E+03	3.657E-07	8.147E-06	5.251E-05	9.738E-04	1.682E-08	5.103E-01	3.022E-01	4.182E-08	3.387E-07
5.100E+03	7.426E-07	5.679E-06	4.865E-05	1.174E-04	1.622E-08	5.726E-01	2.471E-01	7.497E-08	6.944E-07
5.200E+03	1.424E-06	3.866E-06	4.387E-05	1.373E-04	1.519E-08	6.272E-01	1.987E-01	1.259E-07	1.361E-06
5.300E+03	2.593E-06	2.594E-06	3.871E-05	1.567E-04	1.388E-08	6.730E-01	1.578E-01	1.996E-07	2.454E-06
5.400E+03	4.518E-06	1.725E-06	3.362E-05	1.752E-04	1.246E-08	7.101E-01	1.242E-01	3.014E-07	4.285E-06
5.500E+03	7.566E-06	1.143E-06	2.885E-05	1.925E-04	1.104E-08	7.391E-01	9.737E-02	4.364E-07	7.176E-06
5.600E+03	1.224E-05	7.587E-07	2.457E-05	2.084E-04	9.676E-09	7.611E-01	7.626E-02	6.097E-07	1.158E-05
5.700E+03	1.919E-05	5.057E-07	2.081E-05	2.224E-04	8.411E-09	7.774E-01	5.985E-02	8.267E-07	1.807E-05
5.800E+03	2.829E-05	3.391E-07	1.475E-05	2.354E-04	7.259E-09	7.888E-01	4.715E-02	1.091E-06	2.739E-05
5.900E+03	4.362E-05	2.290E-07	1.474E-05	2.462E-04	6.220E-09	7.963E-01	3.735E-02	1.407E-06	4.040E-05
6.000E+03	6.354E-05	1.558E-07	1.242E-05	2.549E-04	5.291E-09	8.006E-01	2.976E-02	1.780E-06	5.811E-05
6.100E+03	9.073E-05	1.068E-07	1.041E-05	2.613E-04	4.445E-09	8.025E-01	2.387E-02	2.211E-06	8.189E-05
6.200E+03	1.273E-04	7.362E-08	8.708E-06	2.653E-04	3.734E-09	8.022E-01	1.928E-02	2.703E-06	1.130E-04
6.300E+03	1.755E-04	5.106E-08	7.263E-06	2.667E-04	3.092E-09	8.003E-01	1.568E-02	3.255E-06	1.531E-04
6.400E+03	2.385E-04	3.560E-08	6.040E-06	2.655E-04	2.534E-09	7.972E-01	1.284E-02	3.880E-06	2.039E-04
6.500E+03	3.194E-04	2.493E-08	5.008E-06	2.617E-04	2.053E-09	7.931E-01	1.058E-02	4.568E-06	2.675E-04
6.600E+03	4.222E-04	1.734E-08	4.178E-06	2.554E-04	1.644E-09	7.884E-01	8.788E-03	5.127E-06	3.461E-04
6.700E+03	5.511E-04	1.239E-08	3.410E-06	2.470E-04	1.302E-09	7.834E-01	7.350E-03	6.161E-06	4.422E-04
6.800E+03	7.112E-04	8.790E-09	2.802E-06	2.368E-04	1.019E-09	7.783E-01	6.192E-03	7.076E-06	4.488E-04
6.900E+03	9.076E-04	6.266E-09	2.248E-06	2.252E-04	7.905E-10	7.733E-01	5.254E-03	8.079E-06	6.991E-04
7.000E+03	1.164E-03	4.491E-09	1.982E-06	2.126E-04	6.078E-10	7.687E-01	4.490E-03	9.178E-06	8.667E-04
7.100E+03	1.434E-03	3.237E-09	1.541E-06	1.975E-04	4.641E-10	7.644E-01	3.865E-03	1.038E-05	1.066E-03
7.200E+03	1.774E-03	2.348E-09	1.262E-06	1.863E-04	3.527E-10	7.606E-01	3.349E-03	1.170E-05	1.300E-03
7.300E+03	2.182E-03	1.715E-09	1.035E-06	1.733E-04	2.673E-10	7.573E-01	2.921E-03	1.314E-05	1.576E-03
7.400E+03	2.658E-03	1.262E-09	8.508E-07	1.607E-04	2.024E-10	7.543E-01	2.563E-03	1.471E-05	1.897E-03
7.500E+04	3.213E-03	9.355E-10	7.010E-07	1.498E-04	1.533E-10	7.516E-01	2.267E-03	1.641E-05	2.269E-03
1.100E+04	7.494E-03	2.342E-10	2.801E-07	1.007E-04	4.000E-11	7.407E-01	1.293E-03	2.706E-05	5.103E-03
1.200E+04	1.521E-02	6.918E-11	1.222E-07	6.927E-04	1.167E-11	7.284E-01	8.012E-04	4.128E-05	1.015E-02
1.300E+04	2.764E-02	2.306E-11	5.712E-08	4.862E-04	3.766E-12	7.106E-01	5.204E-04	5.853E-05	1.825E-02
1.400E+04	4.609E-02	8.286E-12	2.782E-08	3.419E-04	1.297E-12	6.848E-01	3.666E-04	7.754E-05	1.018E-02
1.500E+04	7.121E-02	3.084E-12	1.374E-08	2.416E-04	4.591E-13	6.496E-01	2.325E-04	9.631E-05	4.655E-02
1.600E+04	1.031E-01	1.148E-12	6.723E-09	1.666E-04	1.166E-13	6.047E-01	1.447E-04	1.123E-04	4.756E-02
1.700E+04	1.410E-01	4.161E-13	3.197E-09	1.110E-04	5.996E-14	5.510E-01	1.009E-04	1.233E-04	9.293E-02
1.800E+04	1.831E-01	1.435E-13	1.455E-09	7.118E-05	1.770E-14	4.905E-01	6.392E-05	1.269E-04	1.216E-01
1.900E+04	2.272E-01	4.651E-14	6.285E-10	4.365E-05	5.331E-15	4.264E-01	3.908E-05	1.231E-04	1.529E-01
2.000E+04	2.706E-01	1.404E-14	2.570E-10	2.560E-05	1.497E-15	3.622E-01	2.301E-05	1.128E-04	1.869E-01

TABLE II. - Continued

P/PD = 4.80E+01

M	N	NZ	NZ+	N*	N-	N**	N***	N****	T
0.	0.	9.052E-02	6.628E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.755E-01	9.410E-21	0.	0.	0.	0.	0.	6.700E+02
0.	0.	2.240E-01	1.203E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.204E-29	2.408E-01	1.513E-20	0.	0.	0.	0.	0.	8.000E+02
U.	3.671E-26	2.463E-01	1.828E-20	0.	0.	0.	0.	0.	9.300E+02
0.	2.139E-23	2.442E-01	2.106E-20	0.	0.	0.	0.	0.	1.000E+03
C.	3.929E-21	2.491E-01	2.324E-20	0.	0.	0.	0.	0.	1.100E+03
0.	3.037E-19	2.494E-01	2.474E-20	0.	0.	0.	0.	0.	1.200E+03
0.	1.204E-17	2.496E-01	2.566E-20	1.577E-32	0.	0.	0.	0.	1.300E+03
J.	2.836E-16	2.498E-01	2.592E-20	1.916E-31	J.	0.	0.	0.	1.400E+03
0.	4.347E-15	2.498E-01	2.581E-20	1.645E-30	0.	C.	0.	0.	1.500E+03
0.	4.427E-14	2.499E-01	2.539E-20	1.069E-29	0.	0.	0.	0.	1.600E+03
0.	4.011E-13	2.499E-01	2.476E-20	5.517E-29	0.	0.	0.	0.	1.700E+03
1.448E-27	2.637E-12	2.455E-01	2.400E-20	2.354E-28	0.	0.	0.	0.	1.800E+03
5.130E-25	1.624E-11	2.499E-01	2.317E-20	8.567E-28	C.	C.	0.	0.	1.900E+03
9.794E-23	6.500E-11	2.499E-01	2.313E-20	2.824E-27	0.	0.	0.	0.	2.000E+03
5.115E-21	2.570E-10	2.499E-01	5.127E-20	1.845E-26	1.012E-26	0.	0.	0.	2.100E+03
4.606E-20	8.971E-10	2.459E-01	2.486E-19	2.873E-25	3.170E-27	0.	0.	0.	2.200E+03
5.677E-19	2.811E-09	2.498E-01	1.794E-18	4.245E-24	6.138E-26	0.	0.	0.	2.300E+03
3.983E-18	4.013E-09	2.497E-01	7.551E-18	5.137E-23	9.011E-25	0.	0.	0.	2.400E+03
2.360E-17	2.131E-08	2.496E-01	4.461E-17	5.117E-22	1.066E-23	0.	0.	0.	2.500E+03
1.238E-16	5.114E-08	2.494E-01	1.855E-16	4.280E-21	1.041E-22	0.	0.	0.	2.600E+03
5.690E-16	1.167E-07	2.491E-01	6.951E-16	7.045E-20	4.574E-22	0.	0.	0.	2.700E+03
2.342E-15	4.510E-07	2.487E-01	2.374E-15	1.909E-19	6.068E-21	C.	C.	0.	2.800E+03
8.725E-15	5.122E-07	2.482E-01	7.462E-15	1.053E-18	3.747E-20	0.	0.	0.	2.900E+03
2.972E-14	4.464E-07	2.475E-01	2.176E-14	5.163E-18	2.046E-19	C.	0.	0.	3.000E+03
9.330E-14	1.857E-06	2.467E-01	5.950E-14	2.294E-17	9.944E-19	0.	0.	0.	3.100E+03
2.720E-13	3.327E-06	2.457E-01	1.520E-13	9.300E-17	4.413E-18	C.	0.	0.	3.200E+03
7.410E-13	5.752E-06	2.444E-01	3.885E-13	3.488E-16	1.777E-17	0.	0.	0.	3.300E+03
1.897E-12	4.627E-06	2.429E-01	4.487E-13	1.194E-15	6.540E-17	0.	0.	0.	3.400E+03
4.584E-12	1.564E-05	2.411E-01	1.866E-12	3.865E-15	2.255E-16	0.	0.	0.	3.500E+03
1.051E-11	2.471E-05	2.390E-01	3.930E-12	1.189E-14	7.705E-16	0.	0.	0.	3.600E+03
2.294E-11	3.407E-05	2.367E-01	7.959E-12	3.377E-14	2.154E-15	0.	0.	0.	3.700E+03
4.782E-11	5.748E-05	2.340E-01	1.554E-11	9.023E-14	6.062E-15	0.	0.	0.	3.800E+03
9.553E-11	8.434E-05	2.310E-01	2.934E-11	2.322E-13	1.613E-14	C.	C.	0.	3.900E+03
1.834E-10	1.217E-04	2.277E-01	5.372E-11	5.707E-13	4.072E-14	0.	0.	0.	4.000E+03
3.391E-10	1.723E-04	2.241E-01	9.554E-11	1.345E-12	5.796E-14	C.	0.	0.	4.100E+03
6.053E-10	2.394E-04	2.202E-01	1.655E-10	3.246E-12	2.252E-13	0.	0.	0.	4.200E+03
1.045E-09	3.283E-04	2.161E-01	2.795E-10	6.652E-12	4.964E-13	0.	0.	0.	4.300E+03
1.749E-09	4.424E-04	2.114E-01	4.616E-10	1.405E-11	1.052E-12	0.	0.	0.	4.400E+03
2.841E-09	5.887E-04	2.073E-01	7.462E-10	2.874E-11	2.148E-12	0.	0.	0.	4.500E+03
4.489E-09	7.724E-04	2.027E-01	1.183E-09	5.710E-11	4.235E-12	0.	0.	0.	4.600E+03
6.907E-09	1.002E-03	1.981E-01	1.841E-09	1.104E-10	8.086E-12	0.	0.	0.	4.700E+03
1.037E-08	1.244E-03	1.935E-01	2.817E-09	2.081E-10	1.498E-11	0.	0.	0.	4.800E+03
1.519E-08	1.628E-03	1.889E-01	4.244E-09	3.830E-10	2.710E-11	0.	0.	0.	4.900E+03
2.178E-08	2.045E-03	1.844E-01	6.301E-09	4.894E-10	4.756E-11	0.	0.	0.	5.000E+03
4.209E-08	3.160E-03	1.794E-01	1.335E-08	2.101E-09	1.362E-10	0.	0.	0.	5.200E+03
7.560E-08	4.670E-03	1.648E-01	2.700E-08	5.944E-09	3.747E-10	C.	0.	0.	5.400E+03
1.274E-07	6.756E-03	1.609E-01	5.233E-08	1.574E-08	8.894E-10	C.	0.	0.	5.600E+03
2.034E-07	9.511E-03	1.544E-01	9.758E-08	3.922E-08	1.976E-09	C.	0.	0.	5.800E+03
3.099E-07	1.315E-02	1.444E-01	1.755E-07	9.244E-08	4.229E-09	4.199E-26	0.	0.	6.000E+03
4.540E-07	1.775E-02	1.427E-01	3.048E-07	2.069E-07	8.573E-09	3.991E-25	C.	0.	6.200E+03
6.430E-07	2.350E-02	1.370E-01	5.115E-07	4.410E-07	1.655E-08	3.311E-24	0.	0.	6.400E+03
8.848E-07	3.052E-02	1.311E-01	8.294E-07	6.979E-07	3.054E-08	2.422E-23	0.	0.	6.600E+03
1.188E-06	3.893E-02	1.249E-01	1.302E-06	1.751E-06	5.410E-08	1.574E-22	0.	0.	6.800E+03
1.560E-06	4.876E-02	1.181E-01	1.977E-06	3.275E-06	9.220E-08	9.196E-22	0.	0.	7.000E+03
2.011E-06	6.003E-02	1.108E-01	2.905E-06	5.892E-06	1.516E-07	4.848E-21	0.	0.	7.200E+03
2.548E-06	7.264E-02	1.029E-01	4.129E-06	1.021E-05	2.409E-07	2.324E-20	0.	0.	7.400E+03
3.181E-06	8.642E-02	9.453E-02	5.840E-06	1.707E-05	3.706E-07	1.319E-19	0.	0.	7.600E+03
3.918E-06	1.011E-01	8.572E-02	7.565E-06	2.759E-05	5.530E-07	4.113E-19	C.	0.	7.800E+03
4.766E-06	1.184E-01	7.667E-02	9.758E-06	4.315E-05	8.310E-07	1.535E-18	0.	0.	8.000E+03
5.734E-06	1.318E-01	6.759E-02	1.220E-05	6.543E-05	1.128E-06	5.324E-18	C.	0.	8.200E+03
6.829E-06	1.470E-01	5.872E-02	1.479E-05	9.835E-05	1.564E-06	1.724E-17	0.	0.	8.400E+03
8.059E-06	1.614E-01	5.028E-02	1.742E-05	1.380E-04	2.066E-06	5.245E-17	C.	0.	8.600E+03
9.431E-06	1.749E-01	4.247E-02	1.997E-05	1.924E-04	2.694E-06	1.502E-16	0.	0.	8.800E+03
1.055E-05	1.870E-01	3.542E-02	2.233E-05	2.625E-04	3.435E-06	4.073E-16	0.	0.	9.000E+03
1.262E-05	1.976E-01	2.923E-02	2.442E-05	3.501E-04	4.291E-06	1.049E-15	0.	0.	9.200E+03
1.448E-05	2.064E-01	2.391E-02	2.618E-05	4.579E-04	5.261E-06	2.580E-15	C.	0.	9.400E+03
1.645E-05	2.142E-01	1.943E-02	2.760E-05	5.883E-04	6.343E-06	4.374E-15	0.	0.	9.600E+03
1.862E-05	2.205E-01	1.572E-02	2.869E-05	7.442E-04	7.535E-06	1.375E-14	C.	0.	9.800E+03
2.095E-05	2.255E-01	1.268E-02	2.949E-05	9.283E-04	8.839E-06	3.000E-14	0.	0.	1.000E+04
3.505E-05	2.374E-01	4.346E-03	3.028E-05	2.346E-03	1.482E-05	9.405E-13	0.	0.	1.100E+04
5.270E-05	2.379E-01	1.639E-03	2.846E-05	5.073E-03	2.695E-05	1.632E-11	0.	0.	1.200E+04
7.240E-05	2.321E-01	6.108E-04	2.571E-05	9.444E-03	3.825E-05	1.825E-10	0.	0.	1.300E+04
9.190E-05	2.214E-01	2.949E-04	2.253E-05	1.595E-02	4.937E-05	1.450E-09	1.400E-23	0.	1.400E+04
1.185E-04	2.011E-01	1.359E-04	1.909E-05	2.471E-02	6.542E-05	6.774E-09	4.984E-22	0.	1.500E+04
1.195E-04	1.844E-01	6.423E-05	1.556E-05	3.559E-02	6.378E-05	4.249E-08	3.513E-20	0.	1.600E+04
1.231E-04	1.665E-01	3.053E-05	1.213E-05	4.804E-02	6.450E-05	1.712E-07	9.156E-19	0.	1.700E+04
1.188E-04	1.428E-01	1.438E-05	9.017E-06	6.132E-02	6.041E-05	5.308E-07	1.707E-17	0.	1.800E+04
1.077E-04	1.184E-01	6.660E-06	4.347E-06	7.430E-02	5.317E-05	1.790E-06	2.404E-16	0.	1.900E+04
9.214E-05	9.619E-02	3.022E-06	4.326E-06	8.610E-02	4.383E-05	4.854E-06	2.474E-15	0.	2.000E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
2.100E+04	3.111E-01	4.008E-15	9.489E-11	1.442E-05	3.947E-16	3.015E-01	1.337E-05	9.809E-05	2.150E-01
2.200E+04	3.404E-01	1.043E-15	3.730E-11	7.873E-06	9.912E-17	2.470E-01	7.209E-06	8.148E-05	2.428E-01
2.300E+04	3.771E-01	2.832E-16	1.357E-11	4.207E-06	2.418E-17	2.000E-01	3.879E-06	6.527E-05	2.670E-01
2.400E+04	4.019E-01	7.299E-17	4.881E-12	2.225E-06	5.851E-18	1.610E-01	2.063E-06	5.079E-05	2.874E-01
2.500E+04	4.217E-01	1.841E-17	1.762E-12	4.177E-06	1.431E-18	1.296E-01	1.094E-06	3.882E-05	3.040E-01
2.600E+04	4.373E-01	4.947E-18	6.458E-13	6.278E-07	3.593E-19	1.047E-01	5.834E-07	2.937E-05	3.173E-01
2.700E+04	4.495E-01	1.364E-18	2.424E-13	3.344E-07	9.355E-20	8.520E-02	7.147E-07	2.212E-05	3.276E-01
2.800E+04	4.591E-01	3.869E-19	9.387E-14	1.867E-07	2.541E-20	6.996E-02	1.724E-07	1.667E-05	3.357E-01
2.900E+04	4.667E-01	1.146E-19	3.737E-14	1.046E-07	7.217E-21	5.804E-02	9.651E-08	1.262E-05	3.419E-01
3.000E+04	4.730E-01	3.551E-20	1.540E-14	5.974E-08	2.143E-21	4.867E-02	5.511E-08	9.605E-06	3.465E-01
3.100E+04	4.784E-01	1.149E-20	6.548E-15	3.472E-08	6.630E-22	4.125E-02	3.216E-08	7.364E-06	3.500E-01
3.200E+04	4.832E-01	3.872E-21	2.867E-15	2.053E-08	2.129E-22	3.532E-02	1.916E-08	5.694E-06	3.523E-01
3.300E+04	4.877E-01	1.356E-21	1.289E-15	1.227E-08	7.059E-23	3.054E-02	1.168E-08	4.438E-06	3.537E-01
3.400E+04	4.921E-01	4.111E-22	5.926E-16	7.416E-09	2.601E-23	2.644E-02	7.265E-09	3.488E-06	3.543E-01
3.500E+04	4.964E-01	1.833E-22	2.779E-16	4.518E-09	8.326E-24	2.344E-02	4.606E-09	2.761E-06	3.541E-01
3.600E+04	5.012E-01	7.021E-23	1.324E-16	2.766E-09	2.928E-24	2.077E-02	2.975E-09	2.272E-06	3.533E-01
3.700E+04	5.060E-01	2.740E-23	6.391E-17	1.678E-09	1.039E-24	1.853E-02	1.955E-09	1.770E-06	3.522E-01
3.800E+04	5.108E-01	1.099E-23	3.116E-17	1.043E-09	3.706E-25	1.663E-02	1.308E-09	1.433E-06	3.503E-01
3.900E+04	5.156E-01	4.466E-24	1.535E-17	7.409E-10	1.327E-25	1.501E-02	8.864E-10	1.169E-06	3.487E-01
4.000E+04	5.204E-01	1.447E-24	7.634E-18	4.939E-10	4.764E-26	1.382E-02	6.103E-10	9.596E-07	3.472E-01
4.100E+04	5.248E-01	7.760E-25	3.821E-18	2.471E-10	1.717E-26	1.241E-02	4.261E-10	7.935E-07	3.441E-01
4.200E+04	5.288E-01	3.313E-25	1.937E-18	1.491E-10	6.221E-27	1.136E-02	3.014E-10	6.607E-07	3.422E-01
4.300E+04	5.323E-01	1.437E-25	9.847E-19	9.199E-11	2.271E-27	1.047E-02	2.194E-10	5.539E-07	3.403E-01
4.400E+04	5.356E-01	6.344E-26	5.111E-19	5.649E-11	8.369E-28	9.619E-03	1.545E-10	4.767E-07	3.387E-01
4.500E+04	5.386E-01	2.848E-26	2.670E-19	3.547E-11	3.127E-28	8.897E-03	1.147E-10	3.968E-07	3.372E-01
4.600E+04	5.412E-01	1.301E-26	1.411E-19	2.220E-11	1.176E-28	8.254E-03	8.493E-11	3.388E-07	3.358E-01
4.700E+04	5.435E-01	6.049E-27	7.451E-20	1.399E-11	4.523E-29	7.679E-03	6.353E-11	2.979E-07	3.347E-01
4.800E+04	5.457E-01	2.861E-27	4.090E-20	8.871E-12	1.761E-29	7.162E-03	4.797E-11	2.510E-07	3.336E-01
4.900E+04	5.477E-01	1.376E-27	2.243E-20	5.465E-12	6.961E-30	6.646E-03	3.655E-11	2.176E-07	3.325E-01
5.000E+04	5.496E-01	6.720E-28	1.244E-20	3.461E-12	2.793E-30	6.273E-03	2.808E-11	1.895E-07	3.315E-01

M/PO = 5.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.436E-01	1.523E-20	5.759E-14	1.764E-29	5.127E-22	2.673E-01	1.392E-18	1.000E-21
6.000E+02	0.	3.048E-01	3.149E-17	6.263E-24	7.818E-24	4.748E-18	5.216E-01	1.798E-18	3.241E-21
7.000E+02	0.	1.074E-01	5.092E-15	1.022E-24	1.735E-21	2.937E-15	6.495E-01	9.229E-19	6.163E-21
8.000E+02	0.	3.405E-02	1.919E-13	1.317E-21	1.683E-19	3.490E-13	7.215E-01	8.506E-19	1.821E-20
9.000E+02	0.	1.554E-02	3.032E-12	3.336E-19	5.472E-18	1.423E-11	7.387E-01	8.111E-19	5.538E-20
1.000E+03	0.	7.367E-03	2.688E-11	2.764E-17	8.673E-17	7.772E-10	7.445E-01	7.764E-19	6.039E-20
1.100E+03	0.	3.952E-03	1.598E-10	1.014E-15	6.270E-16	3.167E-09	7.470E-01	7.791E-19	9.782E-20
1.200E+03	0.	2.341E-03	7.037E-10	2.068E-14	5.415E-15	2.414E-08	7.482E-01	6.983E-19	1.305E-19
1.300E+03	0.	1.531E-03	2.442E-09	2.634E-13	2.661E-14	1.353E-07	7.489E-01	6.553E-19	1.719E-19
1.400E+03	0.	1.025E-03	7.159E-09	2.322E-12	1.344E-13	5.951E-07	7.492E-01	6.117E-19	2.147E-19
1.500E+03	0.	7.372E-04	1.793E-08	1.543E-11	3.426E-13	2.153E-06	7.494E-01	5.690E-19	2.572E-19
1.600E+03	0.	5.533E-04	4.029E-08	8.061E-11	9.716E-13	6.650E-06	7.496E-01	5.284E-19	2.981E-19
1.700E+03	2.158E-17	4.301E-04	8.226E-08	3.448E-10	2.444E-12	1.802E-05	7.497E-01	4.905E-19	3.365E-19
1.800E+03	9.464E-25	3.443E-04	1.552E-07	1.269E-09	5.564E-12	4.374E-05	7.497E-01	4.557E-19	3.720E-19
1.900E+03	2.222E-22	2.826E-04	2.737E-07	4.050E-09	1.161E-11	9.704E-05	7.497E-01	4.242E-19	4.264E-19
2.000E+03	2.954E-20	2.369E-04	4.562E-07	1.151E-08	2.264E-11	1.988E-04	7.496E-01	4.092E-19	4.888E-19
2.100E+03	1.139E-18	2.322E-04	7.242E-07	2.962E-08	4.152E-11	3.879E-04	7.495E-01	8.666E-19	1.078E-18
2.200E+03	1.109E-17	1.753E-04	1.102E-06	6.996E-08	7.209E-11	6.887E-04	7.493E-01	4.891E-18	6.878E-18
2.300E+03	7.366E-17	1.534E-04	1.617E-06	1.533E-07	1.194E-10	1.182E-03	7.488E-01	2.875E-17	4.455E-17
2.400E+03	4.053E-16	1.368E-04	2.297E-06	3.146E-07	1.899E-10	1.942E-03	7.487E-01	1.496E-16	2.491E-16
2.500E+03	1.981E-15	1.227E-04	3.171E-06	6.095E-07	2.891E-10	3.064E-03	7.472E-01	6.833E-16	1.277E-15
2.600E+03	8.514E-15	1.199E-04	4.266E-06	1.122E-06	4.322E-10	4.679E-03	7.458E-01	2.798E-15	5.656E-14
2.700E+03	3.291E-14	1.010E-04	5.610E-06	1.973E-06	6.222E-10	6.916E-03	7.439E-01	1.031E-14	2.248E-14
2.800E+03	1.157E-13	9.249E-05	7.224E-06	3.329E-06	8.741E-10	9.941E-03	7.412E-01	3.466E-14	8.105E-14
2.900E+03	3.738E-13	4.506E-05	9.126E-06	5.415E-06	1.197E-09	1.393E-02	7.377E-01	1.071E-13	2.678E-13
3.000E+03	1.117E-12	7.850E-05	1.133E-05	8.517E-06	1.603E-09	1.908E-02	7.332E-01	3.074E-13	8.179E-13
3.100E+03	3.117E-12	7.260E-05	1.383E-05	1.244E-05	2.102E-09	2.558E-02	7.274E-01	8.243E-13	2.326E-12
3.200E+03	8.161E-12	6.724E-05	1.663E-05	1.928E-05	2.703E-09	3.365E-02	7.205E-01	2.078E-12	6.203E-12
3.300E+03	2.317E-11	6.229E-05	1.970E-05	2.787E-05	3.612E-09	4.346E-02	7.119E-01	4.948E-12	1.459E-11
3.400E+03	4.724E-11	5.768E-05	2.352E-05	3.936E-05	4.231E-09	5.527E-02	7.016E-01	1.119E-11	3.715E-11
3.500E+03	1.356E-10	5.332E-05	2.654E-05	5.431E-05	5.198E-09	6.917E-02	6.894E-01	2.411E-11	8.422E-11
3.600E+03	2.256E-10	4.918E-05	3.020E-05	7.345E-05	6.188E-09	8.534E-02	6.752E-01	4.968E-11	1.825E-10
3.700E+03	4.625E-10	4.522E-05	3.393E-05	9.742E-05	7.307E-09	1.039E-01	6.590E-01	9.826E-11	3.781E-10
3.800E+03	9.126E-10	4.141E-05	3.766E-05	1.269E-04	8.496E-09	1.248E-01	6.466E-01	1.870E-10	7.577E-10
3.900E+03	1.738E-09	3.775E-05	4.136E-05	1.624E-04	9.732E-09	1.682E-01	6.202E-01	3.432E-10	1.461E-09
4.000E+03	3.203E-09	3.423E-05	4.476E-05	2.046E-04	1.109E-08	1.779E-01	5.974E-01	6.089E-10	2.723E-09
4.100E+03	5.725E-09	3.085E-05	4.796E-05	2.536E-04	1.222E-08	2.018E-01	5.731E-01	1.046E-09	4.921E-09
4.200E+03	9.451E-09	2.762E-05	5.075E-05	3.099E-04	1.341E-08	2.318E-01	5.484E-01	1.745E-09	8.638E-09
4.300E+03	1.682E-08	2.458E-05	5.313E-05	3.735E-04	1.452E-08	2.636E-01	5.197E-01	2.828E-09	1.475E-08
4.400E+03	2.773E-08	2.168E-05	5.531E-05	4.440E-04	1.551E-08	2.968E-01	4.899E-01	4.461E-09	2.655E-08
4.500E+03	4.467E-08	1.900E-05	5.636E-05	5.213E-04	1.635E-08	3.311E-01	4.597E-01	6.899E-09	3.989E-08
4.600E+03	7.038E-08	1.652E-05	5.739E-05	6.048E-04	1.703E-08	3.661E-01	4.290E-01	1.029E-08	6.335E-08
4.700E+03	1.086E-07	1.425E-05	5.727E-05	6.937E-04	1.752E-08	4.014E-01	3.988E-01	1.509E-08	8.850E-08
4.800E+03	1.663E-07	1.220E-05	5.649E-05	7.872E-04	1.783E-08	4.384E-01	3.672E-01	2.165E-08	1.501E-07

TABLE II. - Continued

N ⁻	N	N2	N2*	N*	N-	N**	N***	N****	T
7.403E-05	7.611E-32	1.347E-06	2.823E-04	9.609E-04	3.427E-05	1.201E-05	2.433E-14	0.	2.100E+04
5.813E-05	5.925E-02	5.946E-07	1.792E-06	1.040E-01	2.569E-05	2.742E-05	1.864E-13	0.	2.200E+04
4.367E-05	4.569E-32	2.624E-07	1.119E-06	1.100E-01	1.870E-05	5.653E-05	1.229E-12	0.	2.300E+04
3.202E-05	3.515E-32	1.169E-07	6.945E-07	1.143E-01	1.336E-05	1.179E-04	7.095E-12	0.	2.400E+04
2.314E-05	2.712E-32	5.303E-08	4.322E-07	1.172E-01	9.460E-06	2.257E-04	3.641E-11	0.	2.500E+04
1.602E-05	2.107E-02	2.464E-08	2.713E-07	1.192E-01	6.692E-06	4.134E-04	1.600E-10	0.	2.600E+04
1.145E-05	1.652E-02	1.176E-08	1.724E-07	1.204E-01	4.753E-06	7.271E-04	7.028E-10	0.	2.700E+04
8.647E-06	1.309E-02	5.771E-09	1.110E-07	1.209E-01	3.401E-06	1.232E-03	2.666E-09	0.	2.800E+04
6.318E-06	1.047E-02	2.905E-09	7.241E-08	1.208E-01	2.456E-06	2.017E-03	9.463E-09	0.	2.900E+04
4.678E-06	8.455E-03	1.503E-09	4.775E-08	1.201E-01	1.791E-06	3.193E-03	3.081E-08	0.	3.000E+04
3.512E-06	6.676E-03	7.921E-10	3.174E-08	1.186E-01	1.317E-06	4.495E-03	5.321E-08	0.	3.100E+04
2.600E-06	5.620E-03	4.243E-10	2.119E-08	1.163E-01	9.753E-07	7.270E-03	2.629E-07	0.	3.200E+04
2.079E-06	4.605E-03	2.247E-10	1.414E-08	1.130E-01	7.263E-07	1.046E-02	6.937E-07	0.	3.300E+04
1.647E-06	3.773E-03	1.251E-10	9.389E-09	1.086E-01	5.426E-07	1.457E-02	1.713E-06	0.	3.400E+04
1.318E-06	3.083E-03	6.800E-11	6.174E-09	1.031E-01	4.056E-07	1.965E-02	3.979E-06	2.489E-13	3.500E+04
1.075E-06	2.506E-03	3.689E-11	4.005E-09	9.654E-02	3.027E-07	2.564E-07	6.680E-06	1.155E-12	3.600E+04
8.916E-07	2.023E-03	1.982E-11	2.555E-09	8.905E-02	2.250E-07	2.777E-02	1.789E-05	4.855E-12	3.700E+04
7.501E-07	1.619E-03	1.053E-11	1.600E-09	8.091E-02	1.665E-07	3.974E-02	3.490E-05	1.862E-11	3.800E+04
6.356E-07	1.265E-03	5.527E-12	9.831E-10	7.245E-02	1.224E-07	4.731E-04	6.467E-05	6.559E-11	3.900E+04
5.529E-07	1.011E-03	2.867E-12	5.936E-10	6.400E-02	8.943E-07	5.662E-02	1.143E-04	2.137E-10	4.000E+04
4.816E-07	7.889E-04	1.472E-12	3.528E-10	5.587E-02	6.498E-08	6.200E-02	1.437E-04	6.479E-10	4.100E+04
4.247E-07	6.118E-04	7.494E-13	2.071E-10	4.826E-02	4.699E-08	6.883E-02	3.156E-04	1.841E-09	4.200E+04
3.771E-07	4.723E-04	3.747E-13	1.204E-10	4.139E-02	3.381E-08	7.656E-02	4.968E-04	4.931E-09	4.300E+04
3.394E-07	3.629E-04	1.919E-13	6.957E-11	3.526E-02	2.436E-08	7.972E-02	7.582E-04	1.251E-08	4.400E+04
3.046E-07	2.786E-04	9.702E-14	4.006E-11	2.994E-02	1.751E-08	8.405E-02	1.125E-03	3.024E-08	4.500E+04
2.716E-07	2.133E-04	4.918E-14	2.305E-11	2.528E-02	1.259E-08	8.758E-02	1.629E-03	4.988E-08	4.600E+04
2.409E-07	1.633E-04	2.536E-14	1.328E-11	2.134E-02	9.066E-09	9.031E-02	2.305E-03	5.49E-07	4.700E+04
2.120E-07	1.254E-04	1.282E-14	7.665E-12	1.794E-02	6.563E-09	9.227E-02	3.194E-03	3.303E-07	4.800E+04
1.858E-07	9.623E-05	6.605E-15	4.439E-12	1.515E-02	4.734E-09	9.349E-02	4.340E-03	1.793E-07	4.900E+04
1.615E-07	7.345E-05	3.642E-15	2.578E-12	1.275E-02	3.436E-09	9.358E-02	5.789E-03	1.3.0E-06	5.000E+04

P/P0 = 5.00E+01

N ⁻	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	0.	8.499E-32	6.651E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.739E-01	4.658E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.232E-01	1.207E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.258E-24	2.405E-01	1.515E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.598E-26	2.461E-01	1.831E-20	0.	0.	0.	0.	0.	9.000E+02
0.	2.096E-23	2.486E-01	2.110E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.850E-11	2.490E-01	2.324E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.175E-14	2.494E-01	2.482E-20	0.	0.	0.	0.	0.	1.200E+03
0.	1.618E-17	2.498E-01	2.571E-20	1.552E-32	0.	0.	0.	0.	1.300E+03
0.	2.779E-16	2.497E-01	2.638E-20	1.887E-31	0.	0.	0.	0.	1.400E+03
0.	4.249E-15	2.498E-01	2.597E-20	1.623E-30	0.	0.	0.	0.	1.500E+03
0.	4.733E-14	2.499E-01	2.558E-20	1.055E-29	0.	0.	0.	0.	1.600E+03
0.	3.930E-13	2.499E-01	2.498E-20	5.449E-28	0.	0.	0.	0.	1.700E+03
1.406E-27	2.564E-12	2.499E-01	2.421E-20	2.327E-24	0.	0.	0.	0.	1.800E+03
4.977E-25	1.335E-11	2.499E-01	2.346E-20	8.476E-23	0.	0.	0.	0.	1.900E+03
9.513E-23	6.168E-11	2.499E-01	2.333E-20	2.791E-22	0.	0.	0.	0.	2.000E+03
5.051E-21	2.518E-10	2.499E-01	2.306E-20	1.794E-22	4.988E-24	0.	0.	0.	2.100E+03
6.562E-20	6.799E-10	2.499E-01	2.264E-20	2.777E-22	3.148E-23	0.	0.	0.	2.200E+03
5.662E-19	2.756E-09	2.499E-01	1.772E-19	4.101E-24	6.080E-26	0.	0.	0.	2.300E+03
3.957E-18	7.451E-09	2.497E-01	4.618E-18	4.963E-24	8.953E-25	0.	0.	0.	2.400E+03
2.365E-17	2.359E-08	2.496E-01	4.400E-17	4.945E-22	1.059E-23	0.	0.	0.	2.500E+03
1.230E-16	7.015E-08	2.494E-01	1.830E-16	4.137E-21	1.034E-22	0.	0.	0.	2.600E+03
5.651E-16	1.646E-07	2.491E-01	6.554E-16	2.963E-20	8.515E-22	0.	0.	0.	2.700E+03
2.325E-15	2.460E-07	2.487E-01	2.347E-15	1.866E-19	6.025E-21	0.	0.	0.	2.800E+03
8.863E-15	5.019E-07	2.482E-01	7.346E-15	1.016E-18	3.723E-20	0.	0.	0.	2.900E+03
2.950E-14	9.763E-07	2.478E-01	2.146E-14	4.946E-18	2.031E-19	0.	0.	0.	3.000E+03
9.263E-14	1.419E-06	2.468E-01	5.456E-14	2.219E-17	9.921E-19	0.	0.	0.	3.100E+03
2.701E-13	3.260E-06	2.458E-01	1.571E-13	8.947E-17	4.380E-18	0.	0.	0.	3.200E+03
7.357E-13	5.613E-06	2.445E-01	4.634E-13	3.956E-16	1.764E-17	0.	0.	0.	3.300E+03
1.813E-12	4.438E-06	2.430E-01	4.365E-13	1.183E-15	6.532E-17	0.	0.	0.	3.400E+03
4.553E-12	1.513E-05	2.413E-01	1.866E-12	3.740E-15	2.239E-16	0.	0.	0.	3.500E+03
1.044E-11	2.422E-05	2.393E-01	3.886E-12	1.132E-14	7.152E-16	0.	0.	0.	3.600E+03
2.279E-11	5.732E-05	2.369E-01	7.866E-12	3.230E-14	2.119E-15	0.	0.	0.	3.700E+03
4.753E-11	5.661E-05	2.343E-01	1.536E-11	8.78E-14	6.02CE-15	0.	0.	0.	3.800E+03
5.506E-11	6.269E-05	2.313E-01	2.971E-11	2.93E-13	1.602E-14	0.	0.	0.	3.900E+03
1.428E-10	1.193E-04	2.280E-01	5.312E-11	5.926E-13	4.067E-14	0.	0.	0.	4.000E+03
3.175E-10	1.849E-04	2.246E-01	9.469E-11	1.302E-12	4.734E-14	0.	0.	0.	4.100E+03
6.029E-10	2.352E-04	2.212E-01	1.837E-10	2.968E-12	2.238E-13	0.	0.	0.	4.200E+03
1.044E-09	3.213E-04	2.180E-01	2.765E-10	6.639E-12	4.938E-13	0.	0.	0.	4.300E+03
1.745E-09	4.364E-04	2.145E-01	4.366E-10	1.751E-11	1.358E-12	0.	0.	0.	4.400E+03
2.837E-09	5.777E-04	2.108E-01	7.362E-10	2.781E-11	2.117E-12	0.	0.	0.	4.500E+03
4.468E-09	7.563E-04	2.076E-01	1.170E-09	5.525E-11	4.216E-12	0.	0.	0.	4.600E+03
6.849E-09	9.851E-04	1.998E-01	1.421E-09	1.066E-10	8.053E-12	0.	0.	0.	4.700E+03
1.035E-08	1.280E-03	1.842E-01	2.788E-09	2.013E-10	1.452E-11	0.	0.	0.	4.800E+03

TABLE II. - Continued

T	E-	NM3	NM2	NM	N2M2	M	M2	M2o	Mo
4.900E+03	2.442E-37	1.037E-05	5.600E-05	8.844E-04	1.795E-08	4.709E-01	3.369E-01	3.042E-08	2.244E-07
5.000E+03	3.565E-37	8.748E-04	5.464E-05	9.843E-74	1.790E-08	5.043E-01	3.074E-01	4.190E-08	3.294E-07
5.200E+03	7.264E-07	6.112E-04	5.079E-05	1.180E-03	1.732E-08	5.668E-01	2.522E-01	7.530E-08	8.764E-07
5.400E+03	1.390E-04	4.161E-04	4.594E-05	1.393E-03	1.626E-08	6.210E-01	2.039E-01	1.267E-07	1.307E-06
5.600E+03	2.533E-04	2.817E-04	4.046E-05	1.561E-03	1.491E-08	6.982E-01	1.620E-01	2.014E-07	2.395E-06
5.800E+03	4.414E-04	1.881E-04	3.539E-05	1.781E-03	1.342E-08	7.059E-01	1.279E-01	3.040E-07	4.189E-06
6.000E+03	7.398E-04	1.251E-04	3.045E-05	1.959E-03	1.191E-08	7.356E-01	1.005E-01	4.421E-07	7.012E-06
6.200E+03	1.197E-05	8.325E-07	2.598E-05	2.123E-03	1.046E-08	7.583E-01	7.884E-02	6.184E-07	1.152E-05
6.400E+03	1.874E-05	5.562E-07	2.204E-05	2.271E-03	9.109E-09	7.751E-01	6.197E-02	8.195E-07	1.788E-05
6.600E+03	2.464E-05	3.738E-07	1.863E-05	2.402E-03	7.873E-09	7.870E-01	4.889E-02	1.110E-06	2.680E-05
6.800E+03	4.269E-05	2.529E-07	1.571E-05	2.514E-03	6.757E-09	7.949E-01	3.877E-02	1.433E-06	3.955E-05
7.000E+03	6.220E-05	1.724E-07	1.321E-05	2.605E-03	5.757E-09	7.997E-01	3.093E-02	1.814E-06	5.496E-05
7.200E+03	8.883E-05	1.183E-07	1.109E-05	2.673E-03	4.867E-09	8.018E-01	2.483E-02	2.259E-06	8.023E-05
7.400E+03	1.246E-04	6.171E-08	9.283E-06	2.717E-03	4.078E-09	8.018E-01	2.006E-02	2.788E-06	1.107E-04
7.600E+03	1.719E-04	3.676E-08	7.753E-06	2.734E-03	3.744E-09	8.022E-01	1.632E-02	3.327E-06	1.501E-04
7.800E+03	2.335E-04	2.964E-08	6.456E-06	2.724E-03	2.799E-09	7.972E-01	1.337E-02	3.963E-06	1.998E-04
8.000E+03	3.127E-04	2.780E-08	5.360E-06	2.688E-03	2.257E-09	7.933E-01	1.103E-02	4.668E-06	2.623E-04
8.200E+03	4.133E-04	1.959E-08	4.435E-06	2.627E-03	1.812E-09	7.887E-01	9.161E-03	5.445E-06	3.764E-04
8.400E+03	5.396E-04	1.386E-08	3.660E-06	2.544E-03	1.438E-09	7.837E-01	7.463E-03	6.298E-06	5.148E-04
8.600E+03	6.964E-04	9.866E-09	3.012E-06	2.442E-03	1.129E-09	7.787E-01	6.456E-03	7.234E-06	8.582E-04
8.800E+03	8.887E-04	7.028E-09	2.473E-06	2.325E-03	8.778E-10	7.738E-01	5.479E-03	8.260E-06	1.171E-03
9.000E+03	1.123E-03	5.043E-09	2.028E-06	2.198E-03	6.765E-10	7.691E-01	4.683E-03	9.381E-06	1.601E-04
9.200E+03	1.404E-03	3.393E-09	1.662E-06	2.065E-03	5.178E-10	7.649E-01	4.030E-03	1.061E-05	2.225E-05
9.400E+03	1.740E-03	2.462E-09	1.363E-06	1.939E-03	3.944E-10	7.610E-01	3.492E-03	1.196E-05	3.275E-05
9.600E+03	2.137E-03	1.932E-09	1.119E-06	1.797E-03	2.994E-10	7.576E-01	3.046E-03	1.363E-05	4.545E-05
9.800E+03	2.604E-03	1.422E-09	9.202E-07	1.668E-03	2.270E-10	7.546E-01	2.672E-03	1.503E-05	6.603E-05
1.000E+04	3.148E-03	1.055E-09	7.587E-07	1.565E-03	1.722E-10	7.519E-01	2.357E-03	1.677E-05	9.225E-05
1.100E+04	3.762E-03	7.688E-10	6.038E-07	1.480E-03	1.315E-11	7.499E-01	2.088E-03	1.868E-05	1.278E-04
1.200E+04	4.491E-02	7.835E-11	4.328E-07	1.421E-04	9.515E-11	7.488E-01	1.835E-04	2.177E-05	1.789E-04
1.300E+04	2.714E-02	2.617E-11	6.288E-08	5.075E-04	6.275E-12	7.114E-01	5.433E-04	5.483E-05	1.280E-04
1.400E+04	4.520E-02	9.437E-12	7.036E-08	3.597E-04	4.478E-12	6.860E-01	3.623E-04	7.935E-05	2.960E-04
1.500E+04	6.988E-02	3.528E-12	1.505E-08	2.534E-04	3.258E-13	6.514E-01	2.435E-04	1.179E-05	4.567E-04
1.600E+04	1.013E-01	1.322E-12	7.400E-09	1.751E-04	2.188E-13	6.073E-01	1.675E-04	1.154E-04	6.637E-04
1.700E+04	1.368E-01	4.824E-13	3.540E-09	1.173E-04	1.390E-14	5.543E-01	1.064E-01	1.268E-04	9.130E-04
1.800E+04	1.802E-01	1.682E-13	1.623E-09	7.568E-05	2.08E-14	4.946E-01	6.771E-05	1.311E-04	1.398E-04
1.900E+04	2.240E-01	5.513E-14	7.072E-10	4.664E-05	6.339E-15	4.311E-01	4.162E-05	1.277E-04	1.506E-04
2.000E+04	2.672E-01	1.691E-14	2.919E-10	2.753E-05	1.804E-15	3.674E-01	2.465E-05	1.175E-04	1.820E-04
2.100E+04	3.376E-01	4.874E-15	1.146E-10	1.562E-05	4.823E-16	3.068E-01	1.439E-05	1.027E-04	2.123E-04
2.200E+04	4.435E-01	1.335E-15	4.322E-11	8.581E-06	1.226E-16	2.520E-01	7.812E-06	8.568E-05	2.401E-04
2.300E+04	5.741E-01	3.531E-16	1.586E-11	4.613E-06	3.028E-17	2.047E-01	4.234E-06	6.890E-05	2.644E-04
2.400E+04	7.492E-01	9.201E-17	5.753E-12	2.453E-06	7.407E-18	1.653E-01	2.285E-06	5.348E-05	2.852E-04
2.500E+04	9.944E-01	2.406E-17	2.092E-12	1.304E-06	1.629E-18	1.374E-01	1.207E-06	4.134E-05	3.020E-04
2.600E+04	1.353E-01	6.409E-18	7.711E-13	6.979E-07	4.626E-19	1.080E-01	6.462E-07	3.137E-05	3.159E-04
2.700E+04	1.878E-01	1.780E-18	2.908E-13	3.789E-07	1.212E-19	8.800E-02	3.498E-07	2.188E-05	3.241E-04
2.800E+04	2.576E-01	5.021E-19	1.128E-13	2.087E-07	3.308E-20	7.236E-02	1.923E-07	1.788E-05	3.364E-04
2.900E+04	3.455E-01	1.494E-19	4.916E-14	1.172E-07	9.437E-21	6.009E-02	1.078E-07	1.398E-05	3.428E-04
3.000E+04	4.579E-01	4.645E-20	1.866E-14	6.795E-08	2.812E-21	5.064E-02	6.167E-08	1.034E-05	3.488E-04
3.100E+04	6.074E-01	1.508E-20	7.594E-15	3.904E-08	6.733E-22	4.278E-02	3.604E-08	7.968E-06	3.542E-04
3.200E+04	8.027E-01	5.077E-21	3.491E-15	2.308E-08	1.816E-22	3.663E-02	2.152E-08	6.164E-06	3.577E-04
3.300E+04	1.068E-01	1.790E-21	1.573E-15	1.384E-08	4.363E-23	3.171E-02	1.312E-08	4.792E-06	3.622E-04
3.400E+04	1.412E-01	6.503E-22	7.249E-16	8.795E-09	1.197E-23	2.776E-02	8.164E-09	3.768E-06	3.649E-04
3.500E+04	1.857E-01	2.433E-22	3.698E-16	5.110E-09	3.197E-24	2.435E-02	5.180E-09	2.988E-06	3.699E-04
3.600E+04	2.403E-01	9.367E-23	1.628E-16	3.113E-09	9.935E-25	2.158E-02	3.366E-09	2.387E-06	3.727E-04
3.700E+04	3.051E-01	3.473E-23	7.827E-17	1.933E-09	1.403E-24	1.924E-02	2.201E-09	1.917E-06	3.749E-04
3.800E+04	3.809E-01	1.472E-23	3.891E-17	1.191E-09	5.035E-25	1.729E-02	1.671E-09	1.552E-06	3.763E-04
3.900E+04	4.674E-01	6.007E-24	1.905E-17	7.361E-10	1.413E-25	1.561E-02	1.404E-09	1.268E-06	3.768E-04
4.000E+04	5.744E-01	2.492E-24	9.536E-18	4.524E-10	4.544E-26	1.417E-02	1.174E-09	1.063E-06	3.767E-04
4.100E+04	7.023E-01	1.050E-24	4.739E-18	2.789E-10	1.376E-26	1.291E-02	8.804E-10	8.603E-07	3.763E-04
4.200E+04	8.519E-01	4.485E-25	2.427E-18	1.722E-10	4.667E-27	1.182E-02	6.394E-10	7.164E-07	3.747E-04
4.300E+04	1.024E-01	1.956E-25	1.242E-18	1.065E-10	1.372E-27	1.086E-02	4.439E-10	5.008E-07	3.740E-04
4.400E+04	1.220E-01	8.656E-26	6.431E-19	6.615E-11	1.175E-27	1.001E-02	3.176E-10	3.406E-07	3.730E-04
4.500E+04	1.437E-01	3.894E-26	3.367E-19	4.126E-11	8.199E-28	9.240E-03	2.244E-10	2.303E-07	3.717E-04
4.600E+04	1.676E-01	1.783E-26	1.781E-19	2.548E-11	5.699E-28	8.542E-03	1.584E-10	1.674E-07	3.700E-04
4.700E+04	2.032E-01	8.333E-27	9.559E-20	1.633E-11	4.422E-28	7.993E-03	1.173E-11	1.155E-07	3.687E-04
4.800E+04	2.492E-01	3.933E-27	5.187E-20	1.017E-11	2.998E-28	7.456E-03	8.419E-11	7.727E-07	3.676E-04
4.900E+04	3.047E-01	1.844E-27	2.848E-20	6.634E-12	1.966E-28	6.971E-03	6.127E-11	5.360E-07	3.666E-04
5.000E+04	3.692E-01	9.269E-28	1.582E-20	4.271E-12	1.302E-28	6.531E-03	4.170E-11	3.695E-07	3.656E-04

P/P0 = 8.07E+01

T	E-	NM1	NM2	NM	N2M2	M	M2	M2o	Mo
5.300E+02	J.	6.685E-01	1.497E-23	5.357E-15	1.852E-28	4.515E-22	2.488E-01	1.417E-18	1.019E-21
5.000E+02	J.	3.164E-01	3.228E-17	5.993E-29	3.796E-24	4.219E-18	4.493E-01	1.124E-18	3.099E-21
7.300E+02	O.	1.241E-31	5.422E-13	1.074E-24	2.004E-21	2.674E-15	6.568E-01	9.376E-19	5.622E-21
8.000E+02	J.	4.500E-02	2.480E-15	1.707E-21	1.707E-21	3.176E-11	7.162E-01	6.578E-19	1.687E-20
9.000E+02	J.	1.494E-02	3.306E-12	3.326E-19	6.527E-18	6.297E-11	7.361E-01	6.164E-19	3.244E-20
1.000E+03	J.	8.815E-03	2.978E-11	2.780E-17	1.038E-14	2.524E-10	7.436E-01	7.823E-19	4.598E-20
1.100E+03	J.	4.735E-03	1.749E-10	1.017E-14	9.408E-16	2.885E-09	7.674E-01	7.667E-19	8.545E-20
1.200E+03	J.	2.437E-03	5.671E-10	2.067E-16	6.642E-15	2.201E-08	7.679E-01	7.798E-19	1.287E-19

TABLE II.- Continued

M	N	N2	N2*	N*	N	N**	N**	N***	N****	T
1.522E-08	1.598E-03	1.897E-01	4.197E-09	3.704E-10	2.701E-11	0.	0.	0.	0.	4.970E+03
2.180E-08	2.008E-03	1.852E-01	4.231E-09	4.665E-10	4.762E-11	0.	0.	0.	0.	5.000E+03
4.424E-08	3.083E-03	1.746E-01	1.320E-08	2.030E-09	1.355E-10	0.	0.	0.	0.	5.200E+03
7.622E-08	4.988E-03	1.603E-01	2.800E-08	3.740E-09	2.571E-10	0.	0.	0.	0.	5.400E+03
1.287E-07	6.633E-03	1.415E-01	5.164E-08	1.519E-08	8.647E-10	0.	0.	0.	0.	5.600E+03
2.099E-07	9.357E-03	1.550E-01	9.623E-08	3.78E-08	1.975E-09	0.	0.	0.	0.	5.800E+03
3.162E-07	1.240E-02	1.490E-01	1.730E-07	9.909E-08	4.224E-09	3.973E-26	0.	0.	0.	6.000E+03
4.800E-07	1.764E-02	1.432E-01	3.122E-07	1.993E-07	8.575E-09	3.774E-25	0.	0.	0.	6.200E+03
6.534E-07	2.307E-02	1.375E-01	5.64E-07	4.247E-07	1.654E-08	3.129E-24	0.	0.	0.	6.400E+03
9.000E-07	2.997E-02	1.317E-01	8.17E-07	8.648E-07	3.057E-08	2.248E-23	0.	0.	0.	6.600E+03
1.209E-06	3.823E-02	1.255E-01	1.281E-06	1.688E-06	5.417E-08	1.489E-22	0.	0.	0.	6.800E+03
1.598E-06	4.794E-02	1.188E-01	1.949E-06	3.195E-06	3.195E-08	8.689E-22	0.	0.	0.	7.000E+03
2.049E-06	5.900E-02	1.115E-01	2.866E-06	5.679E-06	1.519E-07	4.542E-21	0.	0.	0.	7.200E+03
2.598E-06	7.144E-02	1.037E-01	4.079E-06	9.846E-06	2.414E-07	2.158E-20	0.	0.	0.	7.400E+03
3.244E-06	8.503E-02	9.538E-02	5.619E-06	1.647E-05	3.720E-07	9.645E-20	0.	0.	0.	7.600E+03
3.986E-06	9.967E-02	8.663E-02	7.494E-06	2.664E-05	5.555E-07	3.895E-19	0.	0.	0.	7.800E+03
4.82E-06	1.167E-01	7.763E-02	9.688E-06	4.172E-05	8.055E-07	1.455E-18	0.	0.	0.	8.000E+03
5.850E-06	1.331E-01	6.859E-02	1.214E-05	6.332E-05	1.138E-06	5.054E-17	0.	0.	0.	8.200E+03
6.996E-06	1.492E-01	5.973E-02	1.475E-05	9.335E-05	1.598E-06	1.649E-16	0.	0.	0.	8.400E+03
8.225E-06	1.597E-01	5.127E-02	1.742E-05	1.339E-04	2.365E-06	4.942E-16	0.	0.	0.	8.600E+03
9.625E-06	1.732E-01	4.31E-02	2.002E-05	1.871E-04	2.722E-06	1.430E-15	0.	0.	0.	8.800E+03
1.118E-05	1.854E-01	3.432E-02	2.244E-05	2.553E-04	3.478E-06	3.882E-15	0.	0.	0.	9.000E+03
1.289E-05	1.962E-01	3.002E-02	2.459E-05	3.408E-04	4.347E-06	1.701E-14	0.	0.	0.	9.200E+03
1.476E-05	2.054E-01	2.641E-02	2.642E-05	4.482E-04	5.338E-06	2.444E-14	0.	0.	0.	9.400E+03
1.680E-05	2.132E-01	2.004E-02	2.790E-05	5.738E-04	6.440E-06	5.877E-14	0.	0.	0.	9.600E+03
1.900E-05	2.198E-01	1.624E-02	2.904E-05	7.264E-04	7.658E-06	1.315E-13	0.	0.	0.	9.800E+03
2.138E-05	2.247E-01	1.312E-02	2.990E-05	9.064E-04	9.082E-06	2.872E-13	0.	0.	0.	1.000E+04
2.379E-05	2.373E-01	9.500E-03	3.044E-05	2.335E-03	1.715E-05	9.020E-13	0.	0.	0.	1.100E+04
2.633E-05	2.479E-01	7.008E-03	2.905E-05	4.471E-03	2.751E-05	1.564E-11	0.	0.	0.	1.200E+04
2.901E-05	2.524E-01	1.700E-02	2.829E-05	9.270E-03	3.914E-05	1.752E-10	0.	0.	0.	1.300E+04
3.183E-05	2.623E-01	3.098E-02	2.308E-05	1.565E-02	5.055E-05	1.593E-09	1.316E-23	0.	0.	1.400E+04
3.480E-05	2.678E-01	1.424E-01	1.964E-05	2.426E-02	5.493E-05	6.428E-09	6.447E-22	0.	0.	1.500E+04
3.792E-05	1.894E-01	6.7E-02	1.602E-05	3.649E-02	6.42E-05	4.383E-08	3.299E-20	0.	0.	1.600E+04
4.126E-05	1.679E-01	3.234E-02	1.254E-05	4.733E-02	6.659E-05	1.645E-07	6.594E-19	0.	0.	1.700E+04
4.492E-05	1.464E-01	1.591E-02	9.363E-06	6.364E-02	6.283E-05	5.681E-07	1.670E-17	0.	0.	1.800E+04
4.891E-05	1.203E-01	7.139E-02	6.667E-06	7.340E-02	5.538E-05	1.722E-06	2.252E-16	0.	0.	1.900E+04
5.312E-05	9.792E-02	3.262E-02	4.541E-06	8.523E-02	4.569E-05	4.676E-06	2.502E-15	0.	0.	2.000E+04
5.762E-05	7.776E-02	1.465E-01	2.979E-06	9.530E-02	3.607E-05	1.156E-05	2.274E-14	0.	0.	2.100E+04
6.233E-05	6.374E-02	6.505E-02	1.901E-06	1.033E-01	2.718E-05	2.641E-05	1.740E-13	0.	0.	2.200E+04
6.719E-05	4.899E-02	2.890E-02	1.193E-06	1.046E-01	1.787E-05	5.636E-05	1.145E-12	0.	0.	2.300E+04
7.220E-05	3.624E-02	1.294E-02	7.431E-07	1.138E-01	1.425E-05	1.135E-04	6.604E-12	0.	0.	2.400E+04
7.746E-05	2.632E-02	5.698E-02	4.640E-07	1.144E-01	1.312E-05	2.174E-04	3.385E-11	0.	0.	2.500E+04
8.297E-05	2.181E-02	2.749E-02	2.424E-07	1.190E-01	7.181E-06	3.880E-04	1.559E-10	0.	0.	2.600E+04
8.874E-05	1.712E-02	1.314E-02	1.859E-07	1.202E-01	5.112E-06	6.498E-04	6.519E-10	0.	0.	2.700E+04
9.481E-05	1.358E-02	6.473E-02	1.199E-07	1.208E-01	3.665E-06	1.188E-03	2.442E-09	0.	0.	2.800E+04
1.012E-04	1.008E-02	3.270E-02	7.833E-08	1.208E-01	2.651E-06	1.941E-03	8.768E-09	0.	0.	2.900E+04
1.086E-04	6.791E-02	1.692E-02	5.174E-08	1.202E-01	1.935E-06	3.774E-03	2.654E-08	0.	0.	3.000E+04
1.173E-04	3.977E-02	8.938E-02	3.448E-08	1.186E-01	1.424E-06	4.715E-03	6.637E-08	0.	0.	3.100E+04
1.264E-04	2.247E-02	5.798E-02	2.395E-08	1.144E-01	1.057E-06	7.008E-03	2.637E-07	0.	0.	3.200E+04
1.359E-04	1.505E-02	3.905E-02	1.562E-08	1.134E-01	7.880E-07	1.009E-02	6.433E-07	0.	0.	3.300E+04
1.458E-04	9.77E-02	1.927E-02	1.027E-08	1.092E-01	5.898E-07	1.408E-02	1.592E-06	0.	0.	3.400E+04
1.561E-04	6.77E-02	1.772E-02	6.78E-09	1.038E-01	4.415E-07	1.907E-02	7.73E-06	2.228E-11	0.	3.500E+04
1.668E-04	4.29E-02	1.29E-02	4.615E-09	9.760E-02	3.302E-07	2.488E-02	6.098E-06	1.036E-12	0.	3.600E+04
1.779E-04	2.817E-02	2.483E-02	2.930E-09	9.004E-02	2.461E-07	3.153E-02	1.673E-05	4.764E-12	0.	3.700E+04
1.894E-04	1.707E-02	1.219E-02	1.781E-09	8.204E-02	1.825E-07	3.875E-02	3.272E-05	1.674E-11	0.	3.800E+04
2.013E-04	1.358E-02	6.435E-02	1.101E-09	7.368E-02	1.365E-07	4.645E-02	6.760E-05	5.970E-11	0.	3.900E+04
2.136E-04	1.071E-02	3.356E-02	6.602E-10	6.525E-02	9.866E-08	5.374E-02	1.078E-04	1.437E-10	0.	4.000E+04
2.263E-04	6.987E-02	1.732E-02	3.945E-10	5.711E-02	7.186E-08	6.093E-02	1.813E-04	4.675E-10	0.	4.100E+04
2.394E-04	4.521E-02	8.668E-02	2.364E-10	4.947E-02	5.208E-08	6.761E-02	2.989E-04	1.476E-09	0.	4.200E+04
2.529E-04	3.043E-02	4.514E-02	1.376E-10	4.251E-02	3.768E-08	7.362E-02	4.715E-04	4.494E-09	0.	4.300E+04
2.668E-04	2.088E-02	2.292E-02	7.988E-11	3.424E-02	2.714E-08	7.886E-02	7.210E-04	1.164E-08	0.	4.400E+04
2.811E-04	1.463E-02	1.163E-02	4.617E-11	3.044E-02	1.955E-08	8.331E-02	1.072E-03	2.784E-08	0.	4.500E+04
2.958E-04	2.293E-02	5.924E-02	2.666E-11	2.612E-02	1.408E-08	8.644E-02	1.554E-03	6.407E-08	0.	4.600E+04
3.109E-04	1.760E-02	3.024E-02	1.561E-11	2.208E-02	1.016E-08	8.974E-02	2.203E-03	1.422E-07	0.	4.700E+04
3.264E-04	1.352E-02	1.553E-02	8.922E-12	1.864E-02	7.343E-09	9.187E-02	3.056E-03	3.024E-07	0.	4.800E+04
3.423E-04	1.059E-02	6.025E-02	5.188E-12	1.572E-02	5.321E-09	9.319E-02	4.158E-03	6.253E-07	0.	4.900E+04
3.586E-04	7.994E-02	4.172E-02	3.018E-12	1.325E-02	3.865E-09	9.382E-02	5.553E-03	1.244E-06	0.	5.000E+04

**** = 6.00E+01

M	N	N2	N2*	N*	N	N**	N**	N***	N****	T
0.	0.	0.288E-02	6.752E-21	0.	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.663E-01	9.479E-21	0.	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.190E-01	1.225E-20	0.	0.	0.	0.	0.	0.	7.000E+02
0.	1.164E-24	2.387E-11	1.528E-20	0.	0.	0.	0.	0.	0.	8.000E+02
0.	3.277E-26	2.454E-11	1.643E-20	0.	0.	0.	0.	0.	0.	9.000E+02
0.	1.412E-23	4.478E-01	2.128E-20	0.	0.	0.	0.	0.	0.	1.000E+03
0.	3.513E-21	2.488E-01	2.393E-20	0.	0.	0.	0.	0.	0.	1.100E+03
0.	2.716E-19	2.493E-01	2.516E-20	0.	0.	0.	0.	0.	0.	1.200E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H+	H*
1.300E+03	0.	1.800E-03	2.673E-09	2.633F-13	3.191E-14	1.235F-07	7.407E-01	6.672E-19	1.598E-19
1.400E+03	0.	1.229E-03	7.785E-04	2.330F-12	1.253E-13	5.432E-07	7.491E-01	6.255E-19	2.005E-19
1.500E+03	0.	8.844E-04	1.964E-08	1.542E-11	4.110E-13	1.966F-06	7.493E-01	5.844F-19	2.412E-19
1.600E+03	1.891E-30	6.638E-04	4.412E-08	8.060F-11	1.166E-12	6.071E-06	7.495E-01	5.450F-19	2.807E-19
1.700E+03	1.735E-27	5.160F-04	9.010E-08	3.468E-10	2.933E-12	1.645E-05	7.496E-01	5.080E-19	3.182F-19
1.800E+03	7.586E-25	4.131E-04	1.699E-07	1.269E-09	6.676E-12	3.997E-05	7.497E-01	4.738E-19	3.530E-19
1.900E+03	1.775E-22	3.391E-04	2.998E-07	4.050E-09	1.392E-11	8.858E-05	7.497E-01	4.425E-19	3.851E-19
2.000E+03	2.372E-20	2.843E-04	4.997E-07	1.151E-08	2.721E-11	1.815E-04	7.496F-01	4.255E-19	4.259E-19
2.100E+03	9.819E-19	2.426E-04	7.934E-07	2.962E-08	4.983E-11	3.477E-04	7.495E-01	8.377E-19	9.515E-19
2.200E+03	9.827E-18	2.103E-04	1.208E-06	6.996E-08	8.650E-11	6.284F-04	7.493E-01	4.602E-18	5.833E-18
2.300E+03	6.541E-17	1.848E-04	1.772E-06	1.533E-07	1.433E-10	1.079E-03	7.489E-01	2.698F-17	3.817E-17
2.400E+03	3.632E-16	1.642E-04	2.517E-06	3.147E-07	2.280E-10	1.773E-03	7.483E-01	1.405F-16	2.186E-16
2.500E+03	1.757E-15	1.473E-04	3.475E-06	6.097E-07	3.496E-10	2.801E-03	7.474E-01	6.442E-16	1.095E-15
2.600E+03	7.543E-15	1.332E-04	4.676E-06	1.122E-06	5.190E-10	4.272E-03	7.462E-01	2.633E-15	4.858E-15
2.700E+03	2.913E-14	1.214E-04	6.150E-06	1.974E-06	7.482E-10	6.316E-03	7.444E-01	9.712E-15	1.932E-14
2.800E+03	1.024E-13	1.112E-04	7.923E-06	3.332E-06	1.050E-09	9.079F-03	7.420E-01	3.267E-14	6.973E-14
2.900E+03	3.303E-13	1.023E-04	1.001E-05	5.421E-06	1.439E-09	1.273E-02	7.388E-01	1.011F-13	2.306E-13
3.000E+03	9.872E-13	9.451F-05	1.244E-05	8.529E-06	1.929E-09	1.743F-02	7.347E-01	2.905E-13	4.597E-13
3.100E+03	2.752E-12	8.751E-05	1.520E-05	1.302E-05	2.532E-09	2.338E-02	7.295E-01	7.799F-13	2.007E-12
3.200E+03	7.204E-12	8.117E-05	1.829E-05	1.932E-05	3.950E-09	3.077F-02	7.230E-01	1.968F-12	5.359E-12
3.300E+03	1.780E-11	7.533E-05	2.170E-05	2.766E-05	4.120E-09	3.978E-02	7.151E-01	4.694E-12	1.347E-11
3.400E+03	4.172E-11	6.990F-05	2.539E-05	3.950E-05	5.060F-09	5.060F-02	7.056E-01	1.063E-11	3.212E-11
3.500E+03	9.317E-11	6.479E-05	2.933E-05	5.459E-05	6.254E-09	6.338E-02	6.944E-01	2.294E-11	7.290E-11
3.600E+03	1.490E-10	5.994F-05	3.344E-05	7.392E-05	7.521E-09	7.826E-02	6.814E-01	4.737E-11	1.129E-10
3.700E+03	4.360E-10	5.531F-05	3.768E-05	9.819E-05	8.907E-09	9.533E-02	6.664E-01	9.387E-11	3.288E-10
3.800E+03	8.052E-10	5.086E-05	4.194E-05	1.281E-04	1.039E-08	1.147E-01	6.495E-01	1.790E-10	6.457E-10
3.900E+03	1.534E-09	4.658E-05	4.614E-05	1.642E-04	1.195F-08	1.364E-01	6.305E-01	3.294F-10	1.269F-09
4.000E+03	2.86E-09	4.246E-05	5.019E-05	2.073E-04	1.354E-08	1.603E-01	6.095E-01	5.861E-10	2.370F-09
4.100E+03	5.758E-09	3.850E-05	5.298E-05	2.577E-04	1.514E-08	1.864E-01	5.866E-01	1.010F-09	4.287F-09
4.200E+03	8.741E-09	3.470E-05	5.741E-05	3.157E-04	1.670E-08	2.145E-01	5.620E-01	1.690F-09	7.534E-09
4.300E+03	1.488E-08	3.108E-05	6.241F-05	3.815F-04	1.818E-08	2.445F-01	5.357E-01	2.750F-09	1.288E-08
4.400E+03	2.456E-08	2.766E-05	6.289F-05	4.550E-04	1.954E-08	2.760F-01	5.081E-01	4.355F-09	2.148E-08
4.500E+03	3.959E-08	2.444E-05	6.479E-05	5.360E-04	2.074E-08	3.087E-01	4.794F-01	6.724F-09	3.496E-08
4.600E+03	6.455E-08	2.144E-05	6.637E-05	6.239F-04	2.174E-08	3.423F-01	4.499E-01	1.014E-08	5.562E-08
4.700E+03	9.648E-08	1.867E-05	6.672F-05	7.182E-04	2.254E-08	3.764E-01	4.199E-01	1.493F-08	8.664F-08
4.800E+03	1.462E-07	1.615E-05	6.673E-05	8.180E-04	2.310E-08	4.105E-01	3.899E-01	2.153F-08	1.333E-07
4.900E+03	2.175E-07	1.387E-05	6.615E-05	9.224E-04	2.344E-08	4.444E-01	3.601E-01	3.041E-08	1.981E-07
5.000E+03	3.180E-07	1.183E-05	6.500E-05	1.030E-03	2.354F-08	4.776F-01	3.308E-01	4.212E-08	2.916E-07
5.100E+03	6.481F-07	8.442E-06	6.130E-05	1.253E-03	2.312E-08	5.406E-01	2.753E-01	7.654F-08	6.008F-07
5.200E+03	1.247E-06	5.897E-06	5.622E-05	1.479E-03	2.202E-08	5.971E-01	2.252E-01	1.302E-07	1.029E-06
5.300E+03	2.79E-06	4.051E-06	5.041E-05	1.701E-03	2.044E-08	6.459E-01	1.817E-01	2.092F-07	2.144E-06
5.400E+03	3.983E-06	2.753E-06	4.439E-05	1.915E-03	1.861E-08	6.865E-01	1.451E-01	3.195F-07	3.759E-06
5.500E+03	6.647E-06	1.859F-06	3.858E-05	2.116E-03	1.668E-08	7.191E-01	1.152E-01	4.674E-07	6.320E-06
5.600E+03	1.084E-05	1.254E-06	3.321E-05	2.303E-03	1.478E-08	7.446E-01	9.123E-02	6.585E-07	1.062E-05
5.700E+03	1.733E-05	8.476E-07	2.840E-05	2.474E-03	1.297E-08	7.640E-01	7.276E-02	8.995E-07	1.602E-05
5.800E+03	2.602E-05	5.753E-07	2.417E-05	2.626E-03	1.129E-08	7.782E-01	5.737E-02	1.195E-06	2.433E-05
5.900E+03	3.879E-05	3.728F-07	2.050E-05	2.759E-03	9.762E-09	7.881F-01	4.573F-02	1.550F-06	3.597E-05
6.000E+03	5.654E-05	2.699E-07	1.734E-05	2.869E-03	8.378E-09	7.946E-01	3.664E-02	1.970F-06	5.189F-05
7.000E+03	6.078E-05	1.866E-07	1.464E-05	2.955E-03	7.136E-09	7.982F-01	2.952E-02	2.457E-06	7.319E-05
7.100E+03	1.133E-04	1.298E-07	1.233E-05	3.015E-03	6.028E-09	7.995F-01	2.393E-02	3.015E-06	1.012E-04
7.200E+03	1.563E-04	9.083E-08	1.035F-05	3.047E-03	5.046E-09	7.989E-01	1.952E-02	3.644E-06	1.377E-04
7.300E+03	2.124E-04	6.387E-08	8.673E-06	3.051E-03	4.183E-09	7.968E-01	1.603E-02	4.352E-06	1.830F-04
8.000E+03	2.845E-04	4.511E-08	7.243F-06	3.026E-03	3.432E-09	7.946E-01	1.325F-02	5.135F-06	2.403E-04
8.100E+03	3.761F-04	3.200E-08	6.031E-06	2.973E-03	2.785F-09	7.897F-01	1.102E-02	5.998E-06	3.112E-04
8.200E+03	4.911F-04	2.275E-08	5.007E-06	2.895E-03	2.235E-09	7.851E-01	9.229E-03	6.946E-06	3.979E-04
8.300E+03	6.338E-04	1.530E-08	4.145E-06	2.795E-03	1.775E-09	7.804F-01	7.781E-03	7.983E-06	5.070F-04
8.400E+03	8.095E-04	1.170E-08	3.424F-06	2.676E-03	1.396F-09	7.756E-01	6.676E-03	9.117E-06	6.293E-04
8.500E+03	1.022E-03	8.446E-09	2.824E-06	2.544E-03	1.088F-09	7.710F-01	5.646E-03	1.036E-05	7.800E-04
8.600E+03	1.279E-03	6.126E-09	2.327E-06	2.402E-03	8.412E-10	7.667E-01	4.859F-03	1.171E-05	9.587E-04
8.700E+03	1.565E-03	4.468F-09	1.917E-06	2.256E-03	6.468F-10	7.627E-01	4.210E-03	1.319E-05	1.169F-03
8.800E+03	1.947E-03	3.280F-09	1.580F-06	2.109E-03	4.924E-10	7.592E-01	3.670E-03	1.480F-05	1.416E-03
8.900E+03	2.373F-03	2.423E-09	1.304E-06	1.966F-03	3.785E-10	7.560E-01	3.219E-03	1.65E-05	1.704E-03
1.000E+04	2.870E-03	1.803E-09	1.079E-06	1.827E-03	2.890E-10	7.532E-01	2.839F-03	1.846E-05	2.037E-03
1.100E+04	6.701E-03	4.573E-10	4.366F-07	1.253E-02	7.747E-11	7.421F-01	1.623F-03	3.038E-05	4.574E-03
1.200E+04	1.362E-02	1.264E-10	1.922E-07	8.690E-04	2.296E-11	7.307F-01	1.008F-03	4.639E-05	9.094E-03
1.300E+04	2.483E-02	4.674E-11	9.075E-08	6.145E-04	7.521E-12	7.145E-01	6.578E-04	6.599E-05	1.637E-02
1.400E+04	4.143E-02	1.684E-11	4.480F-08	4.389E-04	2.641E-12	6.912E-01	4.415E-04	8.790E-05	2.712E-02
1.500E+04	6.421E-02	6.420E-12	2.255E-08	3.125F-04	9.607E-13	6.794F-01	2.994F-04	1.100E-04	4.192F-02
1.600E+04	9.315E-02	2.470E-12	1.131F-08	2.190E-04	3.449F-13	6.104F-01	2.022E-04	1.297E-04	6.104E-02
1.700E+04	1.283E-01	9.331E-13	5.554E-09	1.495E-04	1.245E-13	5.689F-01	1.345E-04	1.442F-04	8.433E-02
1.800E+04	1.678E-01	3.388E-13	2.629E-09	9.847E-05	4.234F-14	5.126E-01	8.726E-05	1.512E-04	1.112E-01
1.900E+04	2.098E-01	1.165E-13	1.189E-09	6.233E-05	1.358E-14	4.519E-01	5.487E-05	1.499F-04	1.404E-01
2.000E+04	2.520E-01	3.773E-14	5.112E-10	3.785F-05	4.090F-15	3.900E-01	3.334E-05	1.405F-04	1.707E-01
2.100E+04	2.721E-01	1.151E-14	2.096E-10	2.211E-05	1.159E-15	3.302F-01	1.958E-05	1.252E-04	2.005E-01
2.200E+04	3.286E-01	3.335E-15	8.248E-11	1.251E-05	3.126E-15	2.750E-01	1.116E-05	1.067E-04	2.283F-01
2.300E+04	3.672E-01	9.315E-16	3.153E-11	6.909E-06	8.151E-17	2.264E-01	6.215F-06	8.753E-05	2.532E-01
2.400E+04	3.867E-01	2.550E-16	1.186E-11	3.765E-06	2.093E-17	1.851E-01	3.408E-06	6.974E-05	2.747E-01
2.500E+04	4.084E-01	6.958E-17	4.452F-12	2.043E-06	5.888E-18	1.510E-01	1.857E-06	5.441E-05	2.926E-01
2.600E+04	4.258E-01	1.922E-17	1.687E-12	1.113E-06	4.112E-18	1.234F-01	1.717E-06	4.189F-05	3.072E-01
2.700E+04	4.396E-01	5.442E-18	6.535E-13	6.124F-07	3.807E-18	1.014E-01	5.569F-07	3.202E-05	3.189E-01
2.800E+04	4.503E-01	1.592E-18	2.571E-13	3.418E-07	1.065E-19	8.389E-02	3.103E-07	2.442E-05	3.282E-01
2.900E+04	4.594E-01	4.838F-19	1.345E-13	1.929E-07	3.399E-20	7.004E-02	1.757E-07	1.867E-05	3.354E-01
3.000E+04	4.665E-01	1.530E-19	4.375E-14	1.119E-07	9.398E-21	5.904E-02	1.014E-07	1.433E-05	3.410E-01
3.100E+04	4.726E-01	5.040E-20	1.884E-14	6.568F-08	2.966E-21	5.025E-02	5.968E-08	1.107E-05	3.453E-01
3.200E+04	4.779E-01	1.727E-20	8.367E-15	3.915E					

TABLE II. - Continued

H-	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	1.078E-17	2.496E-C1	2.618E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.537E-16	2.497E-01	2.665E-20	1.761E-31	0.	0.	0.	0.	1.400E+03
0.	3.924E-15	2.498E-01	2.668E-20	1.522E-30	0.	0.	0.	0.	1.500E+03
C.	4.317E-14	2.498E-01	2.638E-20	4.934E-30	0.	0.	0.	0.	1.600E+03
0.	3.567E-13	2.499E-01	2.585E-20	5.152E-29	0.	0.	0.	0.	1.700E+03
1.234E-27	2.359E-12	2.499E-01	2.517E-20	2.209E-28	0.	0.	0.	0.	1.800E+03
4.356E-25	1.273E-11	2.459E-C1	2.441E-20	8.072E-28	0.	0.	0.	0.	1.900E+03
8.354E-23	5.813E-11	2.499E-01	2.426E-20	2.649E-27	0.	0.	0.	0.	2.000E+03
4.770E-21	2.298E-10	2.499E-C1	4.917E-20	1.583E-26	9.433E-29	0.	0.	0.	2.100E+03
6.366E-20	8.024E-10	2.499E-01	2.772E-19	2.385E-25	3.055E-27	0.	0.	0.	2.200E+03
5.488E-19	2.514E-09	2.498E-01	1.663E-18	3.513E-24	5.914E-26	0.	0.	0.	2.300E+03
3.848E-18	7.167E-09	2.497E-01	8.843E-18	4.254E-23	8.705E-25	0.	0.	0.	2.400E+03
2.298E-17	1.880E-08	2.496E-01	4.135E-17	4.242E-22	1.028E-23	0.	0.	0.	2.500E+03
1.194E-16	4.578E-08	2.494E-01	1.721E-16	3.553E-21	1.003E-22	0.	0.	0.	2.600E+03
5.482E-16	1.044E-07	2.492E-01	6.459E-16	2.546E-20	8.258E-22	0.	0.	0.	2.700E+03
2.254E-15	2.246E-07	2.488E-01	2.208E-15	1.588E-19	5.840E-21	0.	0.	0.	2.800E+03
8.395E-15	4.583E-07	2.484E-01	6.947E-15	8.742E-19	3.604E-20	0.	0.	0.	2.900E+03
2.858E-14	8.915E-07	2.478E-01	2.028E-14	4.302E-18	1.967E-19	0.	0.	0.	3.000E+03
8.973E-14	1.662E-06	2.470E-01	5.532E-14	1.913E-17	9.602E-19	0.	0.	0.	3.100E+03
2.616E-13	2.978E-06	2.461E-01	1.419E-13	7.759E-17	4.238E-18	0.	0.	0.	3.200E+03
7.128E-13	5.151E-06	2.450E-01	3.443E-13	2.896E-16	1.707E-17	0.	0.	0.	3.300E+03
1.825E-12	8.624E-06	2.436E-01	7.939E-13	1.001E-15	6.320E-17	0.	0.	0.	3.400E+03
4.416E-12	1.031E-05	2.420E-01	1.747E-12	3.230E-15	2.166E-16	0.	0.	0.	3.500E+03
1.013E-11	2.215E-05	2.401E-01	3.683E-12	9.778E-15	6.918E-16	0.	0.	0.	3.600E+03
2.215E-11	3.144E-05	2.380E-01	7.464E-12	2.791E-14	2.071E-15	0.	0.	0.	3.700E+03
4.626E-11	5.140E-05	2.355E-C1	1.459E-11	7.551E-14	5.834E-15	0.	0.	0.	3.800E+03
9.261E-11	7.573E-05	2.328E-01	2.757E-11	1.943E-13	1.554E-14	0.	0.	0.	3.900E+03
1.782E-10	1.093E-04	2.298E-C1	5.051E-11	4.778E-13	3.929E-14	0.	0.	0.	4.000E+03
3.305E-10	1.549E-04	2.264E-01	8.990E-11	1.126E-12	9.465E-14	0.	0.	0.	4.100E+03
5.918E-10	2.158E-04	2.229E-01	1.558E-10	2.550E-12	2.178E-13	0.	0.	0.	4.200E+03
1.026E-09	2.957E-04	2.190E-01	2.634E-10	5.568E-12	4.810E-13	0.	0.	0.	4.300E+03
1.773E-09	3.990E-04	2.150E-C1	4.351E-10	1.175E-11	1.021E-12	0.	0.	0.	4.400E+03
2.813E-09	5.310E-04	2.108E-01	7.035E-10	2.403E-11	2.089E-12	0.	0.	0.	4.500E+03
4.485E-09	6.973E-04	2.064E-C1	1.115E-09	4.772E-11	4.128E-12	0.	0.	0.	4.600E+03
6.907E-09	9.046E-04	2.020E-01	1.735E-09	9.214E-11	7.895E-12	0.	0.	0.	4.700E+03
1.042E-08	1.160E-03	1.975E-C1	2.654E-09	1.736E-10	1.466E-11	0.	0.	0.	4.800E+03
1.536E-08	1.472E-03	1.930E-01	3.996E-09	3.191E-10	2.659E-11	0.	0.	0.	4.900E+03
2.216E-08	1.849E-03	1.886E-C1	5.928E-09	5.736E-10	4.676E-11	0.	0.	0.	5.000E+03
4.335E-08	2.841E-03	1.800E-01	1.253E-C8	1.743E-09	1.345E-10	0.	0.	0.	5.200E+03
7.881E-08	4.227E-03	1.720E-01	2.524E-08	4.913E-09	3.543E-10	0.	0.	0.	5.400E+03
1.344E-07	6.112E-03	1.646E-01	4.873E-C8	1.296E-08	8.643E-10	0.	0.	0.	5.600E+03
2.167E-07	8.620E-03	1.578E-01	9.052E-C8	3.219E-08	1.969E-09	0.	0.	0.	5.800E+03
3.332E-07	1.18E-02	1.516E-01	1.623E-07	7.564E-08	4.224E-09	3.110E-26	0.	0.	6.000E+03
4.917E-07	1.604E-02	1.457E-01	2.811E-07	1.689E-07	5.579E-09	2.943E-25	0.	0.	6.200E+03
7.008E-07	2.124E-02	1.400E-01	4.711E-07	3.595E-07	1.659E-08	2.434E-24	0.	0.	6.400E+03
9.694E-07	2.761E-02	1.341E-01	7.645E-07	7.314E-07	3.068E-08	1.777E-23	0.	0.	6.600E+03
1.307E-06	3.525E-02	1.280E-C1	1.201E-06	1.426E-06	5.446E-08	1.155E-22	0.	0.	6.800E+03
1.722E-06	4.424E-02	1.216E-01	1.829E-06	2.672E-06	3.058E-08	6.744E-22	0.	0.	7.000E+03
2.226E-06	5.459E-02	1.146E-C1	2.699E-06	4.815E-06	1.534E-07	3.560E-21	0.	0.	7.200E+03
2.827E-06	6.627E-02	1.071E-01	3.858E-06	8.368E-06	2.446E-07	1.711E-20	0.	0.	7.400E+03
3.536E-06	7.914E-02	9.908E-02	5.347E-06	1.404E-05	3.779E-07	7.530E-20	0.	0.	7.600E+03
4.361E-06	9.300E-02	9.064E-02	7.184E-06	2.279E-05	5.663E-07	3.051E-19	0.	0.	7.800E+03
5.311E-06	1.076E-01	8.190E-02	9.361E-06	3.582E-05	8.246E-07	1.145E-18	0.	0.	8.000E+03
6.396E-06	1.225E-01	7.303E-02	1.183E-05	5.463E-05	1.168E-06	3.993E-18	0.	0.	8.200E+03
7.624E-06	1.375E-01	6.424E-02	1.453E-05	8.092E-05	1.611E-06	1.301E-17	0.	0.	8.400E+03
9.001E-06	1.523E-01	5.573E-02	1.734E-05	1.186E-04	2.167E-06	3.980E-17	0.	0.	8.600E+03
1.054E-05	1.658E-01	4.770E-02	2.014E-05	1.639E-04	2.846E-06	1.147E-16	0.	0.	8.800E+03
1.224E-05	1.784E-01	4.032E-02	2.281E-05	2.248E-04	3.654E-06	3.129E-16	0.	0.	9.000E+03
1.412E-05	1.898E-01	3.371E-02	2.528E-05	3.017E-04	4.595E-06	8.109E-16	0.	0.	9.200E+03
1.617E-05	1.997E-01	2.791E-02	2.740E-05	3.568E-04	5.670E-06	2.704E-15	0.	0.	9.400E+03
1.846E-05	2.082E-01	2.293E-02	2.920E-05	5.124E-04	6.875E-06	4.743E-15	0.	0.	9.600E+03
2.092E-05	2.153E-01	1.873E-02	3.064E-05	6.511E-04	8.239E-06	1.078E-14	0.	0.	9.800E+03
2.343E-05	2.211E-01	1.524E-02	3.174E-05	8.154E-04	9.667E-06	2.381E-14	0.	0.	1.000E+04
2.606E-05	2.261E-01	1.161E-02	3.245E-05	2.122E-03	1.869E-05	7.482E-13	0.	0.	1.100E+04
2.881E-05	2.304E-01	7.303E-03	3.282E-05	4.535E-03	3.317E-05	1.303E-11	0.	0.	1.200E+04
3.166E-05	2.334E-01	6.480E-04	2.90E-05	8.490E-03	4.316E-05	1.460E-10	0.	0.	1.300E+04
3.462E-05	2.354E-01	3.772E-04	2.563E-05	1.468E-02	5.611E-05	1.162E-09	9.983E-24	0.	1.400E+04
3.768E-05	2.371E-01	1.765E-04	2.206E-05	2.234E-02	6.711E-05	7.040E-09	6.395E-22	0.	1.500E+04
4.084E-05	1.493E-01	8.511E-05	1.822E-05	3.298E-02	7.433E-05	3.415E-08	2.494E-20	0.	1.600E+04
4.416E-05	1.736E-01	4.150E-05	1.449E-05	4.400E-02	7.754E-05	1.378E-07	6.479E-19	0.	1.700E+04
4.762E-05	1.912E-01	2.016E-05	1.104E-05	5.669E-02	7.152E-05	4.768E-07	1.203E-17	0.	1.800E+04
5.128E-05	1.281E-01	9.671E-06	8.036E-06	6.939E-02	6.614E-05	1.449E-06	1.689E-16	0.	1.900E+04
5.516E-05	1.357E-01	4.358E-06	5.608E-06	8.128E-02	5.604E-05	3.441E-06	1.863E-15	0.	2.000E+04
5.918E-05	1.425E-01	2.113E-06	3.770E-06	9.167E-02	4.536E-05	9.759E-06	1.684E-14	0.	2.100E+04
6.344E-05	1.476E-01	2.113E-06	2.462E-06	1.002E-01	3.472E-05	2.731E-05	1.281E-13	0.	2.200E+04
6.804E-05	1.523E-01	9.416E-07	1.577E-06	1.069E-01	2.590E-05	4.746E-05	8.376E-13	0.	2.300E+04
7.296E-05	1.561E-01	2.025E-C7	1.030E-06	1.118E-01	1.842E-05	9.594E-05	4.801E-12	0.	2.400E+04
7.816E-05	1.591E-01	9.413E-08	6.339E-07	1.154E-01	1.365E-05	1.836E-04	2.444E-11	0.	2.500E+04
8.364E-05	1.613E-01	4.460E-08	4.038E-07	1.179E-01	9.801E-05	3.159E-04	1.121E-10	0.	2.600E+04
8.944E-05	1.628E-01	2.164E-08	2.595E-07	1.195E-01	7.045E-06	5.903E-04	4.668E-10	0.	2.700E+04
9.556E-05	1.639E-01	1.076E-C8	1.687E-07	1.204E-01	5.096E-06	1.000E-03	1.779E-09	0.	2.800E+04
1.020E-04	1.644E-01	5.449E-09	1.115E-C7	1.217E-01	3.712E-06	1.637E-03	6.244E-08	0.	2.900E+04
1.086E-04	1.644E-01	2.866E-09	7.387E-08	1.203E-01	2.727E-06	2.595E-03	2.031E-08	0.	3.000E+04
1.154E-04	1.640E-01	1.527E-09	4.457E-C8	1.193E-01	2.314E-06	3.987E-03	6.148E-08	0.	3.100E+04
1.224E-04	1.632E-01	8.281E-10	3.345E-08	1.176E-01	1.507E-06	5.944E-03	1.738E-C7	0.	3.200E+04
1.296E-04	1.615E-01	4.546E-10	2.262E-08	1.149E-01	1.131E-06	8.596E-03	4.606E-C7	0.	3.300E+04
1.370E-04	1.597E-01	2.515E-10	1.526E-08	1.113E-01	8.519E-07	1.206E-C2	1.146E-C6	0.	3.400E+04

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.918E-01	8.563E-22	8.433E-16	8.907E-09	4.045E-23	2.886E-02	8.732E-09	4.227E-06	3.523E-01
3.600E+04	4.964E-01	3.334E-22	4.077E-16	5.523E-09	1.459E-23	2.562E-02	5.659E-09	3.384E-06	3.521E-01
3.700E+04	5.011E-01	1.328E-22	1.999E-16	3.438E-09	5.325E-24	2.289E-02	3.730E-09	2.728E-06	3.513E-01
3.800E+04	5.059E-01	5.401E-23	9.915E-17	2.144E-09	1.958E-24	2.057E-02	2.499E-09	2.214E-06	3.500E-01
3.900E+04	5.107E-01	2.236E-23	4.967E-17	1.338E-09	7.231E-25	1.859E-02	1.699E-09	1.809E-06	3.484E-01
4.000E+04	5.154E-01	9.410E-24	2.507E-17	8.355E-10	2.680E-25	1.688E-02	1.172E-09	1.488E-06	3.466E-01
4.100E+04	5.200E-01	4.022E-24	1.278E-17	5.218E-10	9.965E-26	1.540E-02	8.199E-10	1.232E-06	3.446E-01
4.200E+04	5.242E-01	1.745E-24	6.575E-18	3.261E-10	3.721E-26	1.410E-02	5.809E-10	1.027E-06	3.427E-01
4.300E+04	5.282E-01	7.691E-25	3.408E-18	2.041E-10	1.397E-26	1.296E-02	4.165E-10	8.617E-07	3.409E-01
4.400E+04	5.318E-01	3.442E-25	1.785E-18	1.281E-10	5.284E-27	1.196E-02	3.022E-10	7.274E-07	3.392E-01
4.500E+04	5.350E-01	1.565E-25	9.438E-19	8.066E-11	2.018E-27	1.106E-02	2.217E-10	6.177E-07	3.377E-01
4.600E+04	5.379E-01	7.234E-26	5.045E-19	5.104E-11	7.791E-28	1.027E-02	1.643E-10	5.276E-07	3.363E-01
4.700E+04	5.405E-01	3.398E-26	2.727E-19	3.247E-11	3.047E-28	9.557E-03	1.230E-10	4.531E-07	3.351E-01
4.800E+04	5.429E-01	1.623E-26	1.491E-19	2.078E-11	1.208E-28	8.916E-03	9.293E-11	3.910E-07	3.339E-01
4.900E+04	5.450E-01	7.873E-27	8.246E-20	1.338E-11	4.856E-29	8.338E-03	7.084E-11	3.391E-07	3.329E-01
5.000E+04	5.471E-01	3.880E-27	4.611E-20	8.671E-12	1.980E-29	7.814E-03	5.445E-11	2.954E-07	3.319E-01

P/P0 = 7.00E+01

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	6.885E-01	1.472E-20	5.034E-35	1.887E-28	4.051E-22	2.336E-01	1.430E-18	9.847E-22
6.000E+02	0.	3.606E-01	3.285E-17	5.759E-29	3.336E-24	3.848E-18	4.796E-01	1.146E-18	2.980E-21
7.000E+02	0.	1.397E-01	5.701E-15	4.847E-25	2.256E-21	2.437E-15	6.452E-01	9.509E-19	7.223E-21
8.000E+02	0.	5.176E-02	2.222E-13	1.298E-21	2.290E-19	2.928E-13	7.112E-01	8.645E-19	1.575E-20
9.000E+02	0.	2.150E-02	3.555E-12	3.316E-19	7.569E-18	1.199E-11	7.339E-01	8.210E-19	3.036E-20
1.000E+03	0.	1.025E-02	3.166E-11	2.756E-17	2.756E-14	2.340E-10	7.423E-01	7.871E-19	5.182E-20
1.100E+03	0.	5.516E-03	1.887E-10	1.021E-15	1.154E-15	2.670E-09	7.459E-01	7.528E-19	7.979E-20
1.200E+03	0.	3.271E-03	8.288E-10	2.066E-14	7.567E-15	2.039E-08	7.475E-01	7.150E-19	1.131E-19
1.300E+03	0.	2.098E-03	2.886E-09	2.632E-13	3.721E-14	1.444E-07	7.484E-01	6.768E-19	1.501E-19
1.400E+03	0.	1.434E-03	8.406E-09	2.330E-12	1.461E-13	5.028E-07	7.489E-01	6.367E-19	1.890E-19
1.500E+03	0.	1.032E-03	2.121E-08	1.542E-11	4.794E-13	1.820E-06	7.492E-01	5.971E-19	2.282E-19
1.600E+03	0.	7.742E-04	4.765E-08	8.059E-11	1.360E-12	5.620E-06	7.494E-01	5.588E-19	2.665E-19
1.700E+03	1.445E-27	6.019E-04	9.731E-08	3.467E-10	3.421E-12	1.523E-05	7.495E-01	5.225E-19	3.030E-19
1.800E+03	6.301E-25	4.819E-04	1.835E-07	1.269E-09	7.788E-12	3.701E-05	7.496E-01	4.888E-19	3.372E-19
1.900E+03	1.470E-22	3.956E-04	3.238E-07	4.050E-09	1.624E-11	8.701E-05	7.496E-01	4.578E-19	2.690E-19
2.000E+03	1.469E-20	3.316E-04	5.397E-07	1.151E-08	3.174E-11	1.680E-04	7.496E-01	4.394E-19	4.072E-19
2.100E+03	8.666E-19	2.831E-04	8.569E-07	2.962E-08	8.013E-11	3.215E-04	7.495E-01	8.155E-19	8.575E-19
2.200E+03	8.872E-18	2.454E-04	1.304E-06	6.996E-08	1.009E-10	5.817E-04	7.493E-01	4.394E-18	5.153E-18
2.300E+03	5.921E-17	2.156E-04	1.914E-06	1.533E-07	1.672E-10	9.993E-04	7.490E-01	2.555E-17	2.346E-17
2.400E+03	3.286E-16	1.916E-04	2.719E-06	3.147E-07	2.660E-10	1.642E-03	7.484E-01	1.331E-16	1.918E-16
2.500E+03	1.588E-15	1.719E-04	3.754E-06	6.048E-07	4.080E-10	2.593E-03	7.476E-01	6.109E-16	9.616E-16
2.600E+03	6.814E-15	1.555E-04	5.053E-06	1.123E-06	6.057E-10	3.956E-03	7.464E-01	2.500E-15	4.688E-15
2.700E+03	2.630E-14	1.417E-04	6.647E-06	1.974E-06	8.735E-10	5.849E-03	7.448E-01	9.227E-15	1.699E-14
2.800E+03	3.233E-14	1.299E-04	8.566E-06	3.333E-06	1.227E-09	8.439E-03	7.425E-01	3.106E-14	6.137E-14
2.900E+03	2.978E-13	1.196E-04	1.083E-05	5.425E-06	1.682E-09	1.179E-02	7.396E-01	9.626E-14	2.031E-13
3.000E+03	8.895E-13	1.105E-04	1.346E-05	8.538E-06	2.255E-09	1.615E-02	7.358E-01	2.768E-13	6.213E-13
3.100E+03	2.479E-12	1.025E-04	1.646E-05	1.304E-05	2.963E-09	2.167E-02	7.309E-01	7.438E-12	1.770E-12
3.200E+03	6.886E-12	9.513E-05	1.982E-05	1.936E-05	3.817E-09	2.853E-02	7.249E-01	1.879E-12	6.726E-12
3.300E+03	1.602E-11	8.841E-05	2.354E-05	2.802E-05	4.831E-09	3.690E-02	7.176E-01	4.486E-12	1.190E-11
3.400E+03	3.754E-11	8.218E-05	2.758E-05	3.962E-05	6.010E-09	4.695E-02	7.088E-01	1.017E-11	2.899E-11
3.500E+03	6.383E-11	7.632E-05	3.189E-05	5.481E-05	7.356E-09	5.884E-02	6.984E-01	2.198E-11	6.448E-11
3.600E+03	1.790E-10	7.078E-05	3.643E-05	7.429E-05	8.863E-09	7.271E-02	6.863E-01	4.545E-11	1.399E-10
3.700E+03	3.670E-10	6.549E-05	4.112E-05	9.879E-05	1.052E-08	8.867E-02	6.723E-01	9.022E-11	2.913E-10
3.800E+03	7.244E-10	6.042E-05	4.588E-05	1.290E-04	1.230E-08	1.068E-01	6.564E-01	1.724E-10	5.832E-10
3.900E+03	1.380E-09	5.554E-05	5.061E-05	1.658E-04	1.419E-08	1.271E-01	6.386E-01	3.178E-10	1.127E-09
4.000E+03	2.546E-09	5.083E-05	5.521E-05	2.095E-04	1.614E-08	1.496E-01	6.189E-01	5.667E-10	2.105E-09
4.100E+03	4.555E-09	4.630E-05	5.957E-05	2.609E-04	1.811E-08	1.742E-01	5.974E-01	9.792E-10	3.813E-09
4.200E+03	7.920E-09	4.196E-05	6.359E-05	3.203E-04	2.003E-08	2.007E-01	5.740E-01	1.643E-09	6.707E-09
4.300E+03	1.341E-08	3.780E-05	6.717E-05	3.879E-04	2.193E-08	2.291E-01	5.491E-01	2.680E-09	1.148E-08
4.400E+03	2.215E-08	3.384E-05	7.023E-05	4.678E-04	2.368E-08	2.591E-01	5.228E-01	4.258E-09	1.917E-08
4.500E+03	3.574E-08	3.010E-05	7.269E-05	5.477E-04	2.527E-08	2.905E-01	4.953E-01	6.497E-09	3.124E-08
4.600E+03	5.642E-08	2.660E-05	7.450E-05	6.393E-04	2.664E-08	3.228E-01	4.669E-01	9.980E-09	4.977E-08
4.700E+03	8.725E-08	2.335E-05	7.563E-05	7.381E-04	2.777E-08	3.558E-01	4.379E-01	1.476E-08	7.764E-08
4.800E+03	1.323E-07	2.035E-05	7.636E-05	8.431E-04	2.864E-08	3.891E-01	4.086E-01	2.137E-08	1.187E-07
4.900E+03	1.971E-07	1.762E-05	7.582E-05	9.537E-04	2.923E-08	4.223E-01	3.794E-01	3.031E-08	1.781E-07
5.000E+03	2.885E-07	1.516E-05	7.495E-05	1.069E-03	2.954E-08	4.551E-01	3.559E-01	4.217E-08	2.625E-07
5.100E+03	5.894E-07	1.101E-05	7.152E-05	1.308E-03	2.937E-08	5.181E-01	2.950E-01	7.731E-08	5.428E-07
5.200E+03	1.137E-06	7.828E-06	6.637E-05	1.553E-03	2.803E-08	5.756E-01	2.441E-01	1.328E-07	1.525E-06
5.300E+03	2.083E-06	5.486E-06	6.016E-05	1.795E-03	2.657E-08	6.261E-01	1.991E-01	2.131E-07	1.949E-06
5.400E+03	3.647E-06	3.772E-06	5.352E-05	2.031E-03	2.442E-08	6.694E-01	1.607E-01	3.312E-07	3.424E-06
5.500E+03	6.135E-06	2.583E-06	4.693E-05	2.254E-03	2.208E-08	7.074E-01	1.288E-01	4.881E-07	5.780E-06
5.600E+03	4.959E-06	1.763E-06	4.072E-05	2.463E-03	1.972E-08	7.318E-01	1.028E-01	6.925E-07	9.380E-06
5.700E+03	1.567E-05	1.204E-06	3.506E-05	2.655E-03	1.743E-08	7.534E-01	8.198E-02	9.508E-07	1.472E-05
5.800E+03	2.396E-05	8.246E-07	3.002E-05	2.828E-03	1.527E-08	7.696E-01	6.546E-02	1.269E-06	2.240E-05
5.900E+03	3.575E-05	5.675E-07	2.561E-05	2.979E-03	1.328E-08	7.813E-01	5.244E-02	1.653E-06	3.317E-05
6.000E+03	5.214E-05	3.927E-07	2.178E-05	3.108E-03	1.147E-08	7.893E-01	4.218E-02	2.108E-06	4.791E-05
6.100E+03	7.452E-05	2.733E-07	1.847E-05	3.211E-03	9.831E-09	7.943E-01	3.411E-02	2.637E-06	6.767E-05
6.200E+03	1.045E-04	1.914E-07	1.563E-05	3.287E-03	8.360E-09	7.967E-01	2.773E-02	3.245E-06	9.364E-05
6.300E+03	1.443E-04	1.347E-07	1.319E-05	3.334E-03	7.049E-09	7.972E-01	2.268E-02	3.937E-06	1.272E-04
6.400E+03	1.961E-04	9.528E-08	1.110E-05	3.351E-03	5.888E-09	7.966E-01	1.866E-02	4.704E-06	1.698E-04
6.500E+03	2.627E-04	6.770E-08	9.319E-06	3.338E-03	4.870E-09	7.935E-01	1.545E-02	5.561E-06	2.231E-04
6.600E+03	3.472E-04	4.830E-08	7.799E-06	3.294E-03	3.987E-09	7.901E-01	1.287E-02	6.505E-06	2.891E-04
6.700E+03	4.514E-04	3.460E-08	6.508E-06	3.222E-03	3.230E-09	7.860E-01	1.079E-02	7.940E-06	3.698E-04
6.800E+03	7.852E-04	2.484E-08	5.416E-06	3.125E-03	2.589E-09	7.816E-01	9.106E-03	8.673E-06	4.676E-04
6.900E+03	7.471E-04	1.796E-08	4.496E-06	3.007E-03	2.055E-09	7.770E-01	7.734E-03	9.908E-06	5.811E-04

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.009E-06	3.448E-03	1.396E-10	1.022E-08	1.067E-01	6.431E-07	1.642E-02	2.683E-06	1.357E-13	1.500E+04
1.643E-06	3.245E-03	7.733E-11	6.781E-09	1.010E-01	4.653E-07	2.167E-02	5.924E-06	6.364E-13	3.600E+04
1.364E-06	2.852E-03	4.260E-11	4.435E-09	9.432E-02	3.653E-07	2.774E-02	1.236E-05	2.710E-12	3.700E+04
1.149E-06	2.152E-03	2.326E-11	2.854E-09	8.688E-02	2.740E-07	3.447E-02	2.445E-05	1.054E-11	3.800E+04
9.807E-07	1.739E-03	1.257E-11	1.806E-09	7.893E-02	2.044E-07	4.162E-02	4.596E-05	7.764E-11	3.900E+04
8.475E-07	1.384E-03	6.716E-12	1.123E-09	7.075E-02	1.516E-07	4.893E-02	6.241E-05	1.243E-10	4.000E+04
7.403E-07	1.096E-03	3.551E-12	6.872E-10	6.266E-02	1.119E-07	5.612E-02	1.415E-04	3.821E-10	4.100E+04
6.530E-07	8.623E-04	1.861E-12	4.148E-10	5.490E-02	8.209E-08	6.295E-02	2.336E-04	1.099E-09	4.200E+04
5.810E-07	6.743E-04	9.684E-13	2.476E-10	4.767E-02	6.000E-08	6.924E-02	3.720E-04	2.977E-09	4.300E+04
5.208E-07	5.249E-04	5.018E-13	1.466E-10	4.109E-02	4.372E-08	7.487E-02	5.738E-04	7.632E-09	4.400E+04
4.700E-07	4.072E-04	2.596E-13	8.632E-11	3.523E-02	3.170E-08	7.975E-02	8.600E-04	1.861E-08	4.500E+04
4.266E-07	3.153E-04	1.343E-13	5.068E-11	3.008E-02	2.312E-08	8.387E-02	1.256E-03	4.335E-08	4.600E+04
3.853E-07	2.440E-04	6.971E-14	2.973E-11	2.562E-02	1.682E-08	8.722E-02	1.791E-03	9.682E-08	4.700E+04
3.568E-07	1.887E-04	3.631E-14	1.746E-11	2.177E-02	1.225E-08	8.982E-02	2.501E-03	2.079E-07	4.800E+04
3.285E-07	1.460E-04	1.901E-14	1.027E-11	1.848E-02	8.936E-09	9.169E-02	3.422E-03	4.306E-07	4.900E+04
3.034E-07	1.131E-04	1.001E-14	6.059E-12	1.568E-02	6.534E-09	9.285E-02	4.597E-03	8.616E-07	5.000E+04

P/PQ = 7.03E+01

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	7.787E-02	6.833E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.598E-01	9.868E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.151E-01	1.243E-20	0.	0.	0.	0.	0.	7.000E+02
0.	1.055E-29	2.344E-01	1.540E-20	0.	0.	0.	0.	0.	8.000E+02
0.	3.030E-26	2.446E-01	1.853E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.769E-22	2.474E-01	2.139E-20	0.	0.	0.	0.	0.	1.000E+03
0.	3.251E-19	2.486E-01	2.372E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.514E-16	2.492E-01	2.544E-20	0.	0.	0.	0.	0.	1.200E+03
0.	9.802E-13	2.495E-01	2.655E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.349E-10	2.498E-01	2.713E-20	1.660E-33	0.	0.	0.	0.	1.400E+03
0.	3.632E-15	2.497E-01	2.726E-20	1.439E-30	0.	0.	0.	0.	1.500E+03
1.038E-33	3.997E-14	2.498E-01	2.705E-20	1.429E-30	0.	0.	0.	0.	1.600E+03
1.807E-30	3.321E-13	2.498E-01	2.659E-20	1.490E-29	0.	0.	0.	0.	1.700E+03
1.107E-27	2.194E-12	2.499E-01	2.597E-20	2.110E-28	0.	0.	0.	0.	1.800E+03
3.897E-25	1.179E-11	2.499E-01	2.526E-20	7.732E-28	0.	0.	0.	0.	1.900E+03
7.489E-23	5.382E-11	2.499E-01	2.505E-20	2.532E-27	0.	0.	0.	0.	2.000E+03
4.537E-21	2.128E-10	2.499E-01	4.786E-20	1.426E-26	8.971E-29	0.	0.	0.	2.100E+03
6.208E-19	7.429E-10	2.499E-01	6.632E-19	2.076E-26	2.749E-27	0.	0.	0.	2.200E+03
5.366E-18	2.328E-09	2.499E-01	1.575E-18	3.040E-24	5.782E-26	0.	0.	0.	2.300E+03
3.760E-17	6.636E-09	2.497E-01	8.378E-18	3.731E-23	6.507E-25	0.	0.	0.	2.400E+03
2.244E-17	1.740E-08	2.496E-01	3.421E-17	3.724E-22	1.204E-23	0.	0.	0.	2.500E+03
1.165E-16	4.239E-08	2.495E-01	1.634E-16	3.121E-21	9.790E-23	0.	0.	0.	2.600E+03
5.366E-16	6.669E-08	2.492E-01	6.134E-16	2.129E-20	6.053E-22	0.	0.	0.	2.700E+03
2.197E-15	2.080E-07	2.489E-01	2.099E-15	1.337E-19	5.691E-21	0.	0.	0.	2.800E+03
6.179E-15	4.264E-07	2.488E-01	6.603E-15	7.637E-19	3.510E-20	0.	0.	0.	2.900E+03
2.784E-14	8.257E-07	2.479E-01	1.930E-14	3.790E-18	1.614E-19	0.	0.	0.	3.000E+03
6.738E-14	1.539E-06	2.473E-01	5.269E-14	1.886E-17	9.365E-19	0.	0.	0.	3.100E+03
2.547E-13	2.759E-06	2.464E-01	1.353E-13	6.843E-17	4.127E-18	0.	0.	0.	3.200E+03
6.527E-13	4.773E-06	2.453E-01	3.284E-13	2.559E-16	1.662E-17	0.	0.	0.	3.300E+03
1.778E-12	7.991E-06	2.441E-01	7.576E-13	8.839E-16	6.153E-17	0.	0.	0.	3.400E+03
4.304E-12	1.299E-05	2.428E-01	1.668E-12	2.853E-15	2.109E-16	0.	0.	0.	3.500E+03
9.882E-12	2.354E-05	2.408E-01	3.419E-12	8.638E-15	6.738E-16	0.	0.	0.	3.600E+03
2.162E-11	3.186E-05	2.388E-01	7.137E-12	2.467E-14	7.016E-15	0.	0.	0.	3.700E+03
4.519E-11	4.789E-05	2.365E-01	1.396E-11	6.674E-14	5.681E-14	0.	0.	0.	3.800E+03
9.059E-11	7.029E-05	2.340E-01	2.619E-11	1.718E-13	1.514E-14	0.	0.	0.	3.900E+03
1.746E-10	1.015E-04	2.311E-01	4.837E-11	4.224E-13	3.831E-14	0.	0.	0.	4.000E+03
3.423E-10	1.439E-04	2.280E-01	8.515E-11	9.494E-13	9.237E-14	0.	0.	0.	4.100E+03
5.820E-10	2.303E-04	2.246E-01	1.449E-10	2.255E-12	2.129E-13	0.	0.	0.	4.200E+03
1.011E-09	2.749E-04	2.210E-01	2.526E-10	4.923E-12	4.703E-13	0.	0.	0.	4.300E+03
1.705E-09	3.712E-04	2.171E-01	4.175E-10	1.039E-11	9.995E-13	0.	0.	0.	4.400E+03
2.788E-09	4.982E-04	2.131E-01	6.752E-10	2.124E-11	2.048E-12	0.	0.	0.	4.500E+03
4.434E-09	6.494E-04	2.090E-01	1.070E-09	4.216E-11	4.052E-12	0.	0.	0.	4.600E+03
6.889E-09	8.428E-04	2.046E-01	1.676E-09	6.142E-11	7.765E-12	0.	0.	0.	4.700E+03
1.043E-08	1.081E-03	2.002E-01	2.546E-09	1.532E-10	1.443E-11	0.	0.	0.	4.800E+03
1.544E-08	1.373E-03	1.956E-01	3.835E-09	2.815E-10	2.621E-11	0.	0.	0.	4.900E+03
2.233E-08	1.729E-03	1.915E-01	5.686E-09	5.056E-10	4.617E-11	0.	0.	0.	5.000E+03
4.430E-08	2.652E-03	1.829E-01	1.200E-08	1.533E-09	1.332E-10	0.	0.	0.	5.200E+03
6.079E-08	3.943E-03	1.746E-01	2.412E-08	4.312E-09	3.517E-10	0.	0.	0.	5.400E+03
1.388E-07	5.705E-03	1.673E-01	4.646E-08	1.135E-08	8.599E-10	0.	0.	0.	5.600E+03
2.255E-07	8.043E-03	1.603E-01	8.609E-08	2.612E-08	1.963E-09	0.	0.	0.	5.800E+03
3.490E-07	1.109E-02	1.539E-01	1.539E-07	6.593E-08	4.327E-09	0.	0.	0.	6.000E+03
5.180E-07	1.497E-02	1.479E-01	2.662E-07	1.470E-07	8.578E-09	2.389E-25	0.	0.	6.200E+03
7.417E-07	1.982E-02	1.421E-01	4.456E-07	3.124E-07	1.661E-08	1.971E-24	0.	0.	6.400E+03
1.030E-06	2.577E-02	1.363E-01	7.228E-07	6.353E-07	3.076E-08	1.436E-23	0.	0.	6.600E+03
1.353E-06	3.292E-02	1.302E-01	1.137E-06	1.239E-06	5.468E-08	9.330E-23	0.	0.	6.800E+03
1.841E-06	4.133E-02	1.239E-01	1.733E-06	2.321E-06	9.357E-08	5.446E-22	0.	0.	7.000E+03
2.384E-06	5.110E-02	1.171E-01	2.583E-06	4.188E-06	1.546E-07	2.877E-21	0.	0.	7.200E+03
3.033E-06	6.214E-02	1.099E-01	3.677E-06	7.289E-06	2.470E-07	1.384E-20	0.	0.	7.400E+03
3.799E-06	7.439E-02	1.021E-01	5.118E-06	1.226E-05	4.324E-07	6.104E-20	0.	0.	7.600E+03
4.691E-06	8.766E-02	9.395E-02	6.914E-06	1.995E-05	5.748E-07	2.480E-19	0.	0.	7.800E+03
5.719E-06	1.017E-01	8.593E-02	9.067E-06	3.145E-05	6.998E-07	9.331E-19	0.	0.	8.000E+03
6.993E-06	1.163E-01	7.874E-02	1.185E-05	4.813E-05	1.194E-06	3.266E-18	0.	0.	8.200E+03
8.221E-06	1.310E-01	6.804E-02	1.429E-05	7.159E-05	1.653E-06	1.069E-17	0.	0.	8.400E+03
9.712E-06	1.455E-01	5.953E-02	1.719E-05	1.036E-04	2.234E-06	3.282E-17	0.	0.	8.600E+03
1.137E-05	1.593E-01	5.142E-02	2.013E-05	1.462E-04	2.947E-06	9.400E-17	0.	0.	8.800E+03

TABLE II. - Continued

T	F-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.300E+03	9.440E-04	1.302E-08	3.725E-06	2.871E-03	1.616E-09	7.725E-01	6.613E-03	1.126E-05	7.252E-04
9.200E+03	1.181E-03	9.489E-09	3.083E-06	2.723E-03	1.261E-09	7.682E-01	5.691E-03	1.273E-05	6.913E-04
9.400E+03	1.464E-03	6.950E-09	2.550E-06	2.568E-03	9.780E-10	7.642E-01	4.930E-03	1.433E-05	1.087E-03
9.600E+03	1.800E-03	5.120E-09	2.110E-06	2.411E-03	7.547E-10	7.605E-01	4.297E-03	1.607E-05	1.316E-03
9.800E+03	2.194E-03	3.795E-09	1.747E-06	2.254E-03	5.407E-10	7.573E-01	3.767E-03	1.747E-05	1.562E-03
1.000E+04	2.653E-03	2.831E-09	1.449E-06	2.102E-03	4.461E-10	7.543E-01	3.322E-03	2.002E-05	1.891E-03
1.100E+04	3.202E-03	7.251E-10	5.926E-07	1.456E-03	1.220E-10	7.430E-01	1.898E-03	3.291E-05	4.241E-03
1.200E+04	3.841E-02	2.175E-10	2.626E-07	1.015E-03	3.658E-11	7.321E-01	1.180E-03	5.028E-05	6.432E-03
1.300E+04	4.574E-02	7.411E-11	1.248E-07	7.217E-04	1.210E-11	7.170E-01	7.727E-04	7.166E-05	1.518E-02
1.400E+04	5.397E-02	2.740E-11	6.213E-08	5.187E-04	4.303E-12	6.953E-01	5.211E-04	9.578E-05	2.518E-02
1.500E+04	6.319E-02	1.061E-11	3.164E-08	3.724E-04	1.591E-12	6.646E-01	3.559E-04	1.205E-04	3.898E-02
1.600E+04	7.341E-02	4.148E-12	1.613E-08	2.639E-04	5.928E-13	6.272E-01	2.427E-04	1.430E-04	5.687E-02
1.700E+04	8.471E-02	1.616E-12	6.082E-09	1.827E-04	2.170E-13	5.806E-01	1.634E-04	1.604E-04	7.879E-02
1.800E+04	9.704E-02	5.577E-13	2.923E-09	1.225E-04	7.641E-14	5.270E-01	1.076E-04	1.701E-04	1.042E-01
1.900E+04	1.104E-01	2.167E-13	1.826E-09	7.911E-05	2.553E-14	4.687E-01	6.889E-05	1.707E-04	1.322E-01
2.000E+04	1.249E-01	7.322E-14	8.114E-10	4.914E-05	8.043E-15	4.087E-01	4.272E-05	1.624E-04	1.614E-01
2.100E+04	1.408E-01	2.338E-14	3.444E-10	2.940E-05	2.391E-15	3.498E-01	2.565E-05	1.471E-04	1.966E-01
2.200E+04	1.581E-01	7.098E-15	1.404E-10	1.703E-05	6.764E-16	2.947E-01	1.495E-05	1.275E-04	2.183E-01
2.300E+04	1.769E-01	2.074E-15	5.553E-11	9.626E-06	1.864E-16	2.454E-01	8.513E-06	1.064E-04	2.434E-01
2.400E+04	1.972E-01	5.918E-16	2.156E-11	5.356E-06	4.942E-17	2.027E-01	4.767E-06	8.610E-05	2.659E-01
2.500E+04	2.191E-01	1.676E-16	8.319E-12	2.960E-06	1.320E-17	1.669E-01	2.646E-06	6.814E-05	2.842E-01
2.600E+04	2.436E-01	4.783E-17	3.227E-12	1.638E-06	3.567E-18	1.375E-01	1.468E-06	5.312E-05	2.964E-01
2.700E+04	2.707E-01	1.491E-17	1.270E-12	9.131E-07	9.475E-19	1.138E-01	8.184E-07	4.105E-05	3.122E-01
2.800E+04	3.004E-01	4.163E-18	5.104E-13	5.152E-07	2.822E-19	9.471E-02	4.614E-07	3.160E-05	3.223E-01
2.900E+04	3.328E-01	1.289E-18	2.104E-13	2.950E-07	8.364E-20	7.946E-02	2.639E-07	2.434E-05	3.303E-01
3.000E+04	3.681E-01	4.143E-19	8.915E-14	1.716E-07	2.579E-20	6.725E-02	1.535E-07	1.880E-05	3.366E-01
3.100E+04	4.064E-01	1.344E-19	3.885E-14	1.014E-07	8.254E-21	5.743E-02	9.094E-08	1.460E-05	3.415E-01
3.200E+04	4.478E-01	4.400E-20	1.735E-14	6.087E-08	2.738E-21	4.948E-02	5.491E-08	1.140E-05	3.452E-01
3.300E+04	4.924E-01	1.724E-20	7.949E-15	3.703E-08	9.382E-22	4.300E-02	3.379E-08	8.962E-06	3.478E-01
3.400E+04	5.404E-01	6.418E-21	3.755E-15	2.278E-08	3.305E-22	3.766E-02	2.119E-08	7.095E-06	3.496E-01
3.500E+04	5.918E-01	2.459E-21	1.801E-15	1.415E-08	1.191E-22	3.326E-02	1.353E-08	5.656E-06	3.505E-01
3.600E+04	6.468E-01	9.641E-22	8.792E-16	8.846E-09	4.368E-23	2.957E-02	8.794E-09	4.540E-06	3.508E-01
3.700E+04	7.054E-01	3.902E-22	4.355E-16	5.557E-09	1.623E-23	2.645E-02	5.810E-09	3.668E-06	3.504E-01
3.800E+04	7.676E-01	1.605E-22	2.184E-16	3.500E-09	6.085E-24	2.380E-02	3.900E-09	2.983E-06	3.494E-01
3.900E+04	8.334E-01	6.727E-23	1.107E-16	2.207E-09	2.295E-24	2.152E-02	2.647E-09	2.442E-06	3.481E-01
4.000E+04	9.028E-01	2.866E-23	5.657E-17	1.393E-09	8.689E-25	1.956E-02	1.836E-09	2.011E-06	3.465E-01
4.100E+04	9.751E-01	1.249E-23	2.912E-17	8.751E-10	3.301E-25	1.785E-02	1.286E-09	1.668E-06	3.448E-01
4.200E+04	1.050E-01	5.443E-24	1.511E-17	5.551E-10	1.258E-25	1.636E-02	9.120E-10	1.391E-06	3.429E-01
4.300E+04	1.135E-01	2.425E-24	7.934E-18	3.517E-10	4.820E-26	1.504E-02	6.547E-10	1.168E-06	3.412E-01
4.400E+04	1.226E-01	1.096E-24	4.195E-18	2.273E-10	1.857E-26	1.388E-02	4.754E-10	9.862E-07	3.395E-01
4.500E+04	1.323E-01	5.033E-25	2.239E-18	1.412E-10	7.216E-27	1.285E-02	3.490E-10	8.378E-07	3.379E-01
4.600E+04	1.426E-01	2.346E-25	1.207E-18	9.008E-11	2.831E-27	1.195E-02	2.588E-10	7.157E-07	3.365E-01
4.700E+04	1.534E-01	1.111E-25	6.573E-19	5.772E-11	1.123E-27	1.111E-02	1.939E-10	6.148E-07	3.353E-01
4.800E+04	1.647E-01	5.342E-26	3.619E-19	3.718E-11	4.512E-28	1.037E-02	1.465E-10	5.307E-07	3.341E-01
4.900E+04	1.774E-01	2.409E-26	2.014E-19	2.409E-11	1.836E-28	9.696E-03	1.118E-10	4.603E-07	3.331E-01
5.000E+04	1.916E-01	1.294E-26	1.133E-19	1.570E-11	7.573E-29	9.089E-03	8.594E-11	4.010E-07	3.321E-01

P/P0 = 8.00E+01

T	F-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	7.051E-01	1.450E-23	4.765E-35	1.933E-28	3.687E-22	2.212E-01	1.444E-18	9.561E-22
6.000E+02	0.	3.813E-01	3.327E-17	5.555E-29	3.546E-24	3.535E-18	4.625E-01	1.165E-18	2.886E-21
7.000E+02	0.	1.543E-01	5.941E-15	9.680E-25	2.491E-21	2.240E-15	6.343E-01	9.635E-19	6.904E-21
8.000E+02	0.	5.834E-02	2.351E-13	1.289E-21	2.581E-19	2.770E-13	7.062E-01	8.795E-19	1.489E-20
9.000E+02	0.	2.442E-02	3.783E-12	3.306E-19	8.549E-18	1.120E-11	7.317E-01	8.252E-19	2.659E-20
1.000E+03	0.	1.169E-02	3.340E-11	2.752E-17	1.376E-16	2.187E-10	7.412E-01	7.913E-19	4.876E-20
1.100E+03	0.	6.294E-03	2.014E-10	1.020E-15	1.317E-15	2.449E-09	7.453E-01	7.575E-19	7.517E-20
1.200E+03	0.	3.735E-03	8.845E-10	2.065E-14	8.640E-15	1.907E-08	7.472E-01	7.223E-19	1.068E-19
1.300E+03	0.	2.397E-03	7.084E-09	2.631E-13	4.250E-14	1.070E-07	7.482E-01	6.867E-19	1.421E-19
1.400E+03	0.	1.688E-03	8.983E-09	2.330E-12	1.669E-13	4.70E-07	7.488E-01	6.461E-19	1.794E-19
1.500E+03	0.	1.179E-03	2.267E-08	1.542E-11	5.477E-13	1.707E-06	7.491E-01	6.076E-19	2.172E-19
1.600E+03	0.	8.846E-04	5.093E-08	8.058E-11	1.554E-12	5.257E-06	7.493E-01	5.793E-19	2.544E-19
1.700E+03	0.	6.878E-04	1.040E-07	3.467E-10	3.909E-12	1.421E-05	7.495E-01	5.349E-19	2.901E-19
1.800E+03	0.	5.372E-04	5.507E-04	1.962E-07	1.269E-09	8.899E-12	7.496E-01	5.017E-19	3.237E-19
1.900E+03	0.	4.231E-04	3.461E-07	4.049E-09	1.855E-11	7.671E-05	7.496E-01	4.710E-19	3.551E-19
2.000E+03	0.	3.270E-04	5.770E-07	1.151E-08	3.627E-11	1.572E-04	7.496E-01	4.515E-19	3.914E-19
2.100E+03	0.	2.423E-04	9.160E-07	2.962E-04	6.643E-11	3.011E-04	7.495E-01	4.297E-19	4.284E-19
2.200E+03	0.	1.822E-04	2.805E-04	1.394E-06	6.996E-08	1.153E-11	7.493E-01	4.176E-18	4.607E-18
2.300E+03	0.	1.456E-04	2.464E-04	1.533E-07	1.911E-11	9.348E-04	7.490E-01	4.073E-17	4.984E-17
2.400E+03	0.	1.151E-04	2.190E-04	2.907E-06	3.147E-07	3.040E-10	7.484E-01	1.269E-16	1.711E-16
2.500E+03	0.	8.965E-05	1.965E-04	4.014E-06	6.098E-07	4.664E-10	7.477E-01	5.832E-16	8.585E-16
2.600E+03	0.	6.243E-05	1.776E-04	5.403E-06	1.123E-06	6.925E-10	7.470E-01	2.388E-15	3.14E-15
2.700E+03	0.	4.608E-05	1.621E-04	7.110E-06	1.975E-06	9.989E-10	7.451E-01	8.422E-15	1.9E-14
2.800E+03	0.	3.449E-05	1.486E-04	9.164E-06	3.335E-06	1.403E-09	7.430E-01	2.972E-14	5.491E-14
2.900E+03	0.	2.723E-05	1.369E-04	1.259E-05	5.428E-06	1.925E-09	7.402E-01	9.402E-14	1.818E-13
3.000E+03	0.	2.131E-05	1.266E-04	1.441E-05	8.545E-06	2.582E-09	7.367E-01	2.653E-13	5.566E-13
3.100E+03	0.	1.656E-05	1.174E-04	1.763E-05	1.305E-05	3.394E-09	7.321E-01	1.587E-12	1.587E-12
3.200E+03	0.	1.292E-05	1.091E-04	2.125E-05	1.939E-05	4.376E-09	7.265E-01	1.804E-12	4.240E-12
3.300E+03	0.	1.036E-05	1.015E-04	2.525E-05	2.808E-05	5.543E-09	7.197E-01	4.311E-12	1.068E-11

TABLE II.- Continued

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
1.324E-05	1.723E-01	4.386E-02	2.303E-05	2.014E-04	3.801E-06	2.602E-16	0.	0.	9.000E+03
1.524E-05	1.844E-01	3.699E-02	2.572E-05	2.715E-04	4.803E-06	6.771E-16	0.	0.	9.200E+03
1.746E-05	1.945E-01	3.388E-02	2.813E-05	3.585E-04	5.952E-06	1.680E-15	0.	0.	9.400E+03
1.988E-05	2.035E-01	2.557E-02	3.021E-05	4.647E-04	7.248E-06	3.989E-15	0.	0.	9.600E+03
2.249E-05	2.112E-01	2.104E-02	3.192E-05	5.925E-04	8.687E-06	9.095E-15	0.	0.	9.800E+03
2.531E-05	2.176E-01	1.723E-02	3.327E-05	7.442E-04	1.027E-05	1.997E-14	0.	0.	1.000E+04
4.244E-05	2.349E-01	6.251E-03	3.575E-05	1.954E-03	2.007E-05	6.383E-13	0.	0.	1.100E+04
6.466E-05	2.374E-01	2.392E-03	3.432E-05	4.195E-03	3.260E-05	1.116E-11	0.	0.	1.200E+04
8.859E-05	2.442E-01	4.957E-04	3.147E-05	7.873E-03	4.684E-05	1.252E-10	0.	0.	1.300E+04
1.136E-04	2.259E-01	4.463E-04	2.801E-05	1.335E-02	6.122E-05	9.970E-10	7.905E-24	0.	1.400E+04
1.360E-04	2.136E-01	2.104E-04	2.422E-05	2.083E-02	7.373E-05	6.045E-09	5.059E-22	0.	1.500E+04
1.527E-04	1.975E-01	1.030E-04	2.026E-05	3.029E-02	8.241E-05	2.935E-08	1.970E-20	0.	1.600E+04
1.612E-04	1.783E-01	5.104E-05	1.632E-05	4.142E-02	8.584E-05	1.186E-07	5.106E-19	0.	1.700E+04
1.634E-04	1.588E-01	2.529E-05	1.262E-05	5.360E-02	5.360E-05	4.110E-07	9.452E-18	0.	1.800E+04
1.707E-04	1.343E-01	1.241E-05	9.356E-06	6.603E-02	7.645E-05	1.241E-06	1.320E-16	0.	1.900E+04
1.341E-04	1.122E-01	5.996E-06	6.658E-06	7.789E-02	6.594E-05	3.408E-06	1.454E-15	0.	2.000E+04
9.211E-05	7.364E-02	1.343E-06	3.041E-06	9.739E-02	5.402E-05	8.453E-06	1.309E-14	0.	2.100E+04
7.209E-05	5.844E-02	4.258E-07	1.983E-06	1.045E-01	4.239E-05	1.934E-05	9.905E-14	0.	2.200E+04
5.441E-05	4.609E-02	2.931E-07	1.278E-06	1.099E-01	2.387E-05	4.133E-05	6.447E-13	0.	2.300E+04
4.105E-05	3.631E-02	1.866E-07	8.202E-07	1.139E-01	1.745E-05	1.592E-04	1.864E-11	0.	2.500E+04
3.036E-05	2.870E-02	6.667E-08	5.280E-07	1.168E-01	1.268E-05	2.912E-04	8.508E-11	0.	2.600E+04
2.237E-05	2.283E-02	3.273E-08	3.424E-07	1.187E-01	9.202E-06	5.115E-04	3.528E-10	0.	2.700E+04
1.651E-05	1.530E-02	1.645E-08	2.243E-07	1.199E-01	6.705E-06	8.662E-04	1.340E-09	0.	2.800E+04
1.226E-05	1.479E-02	8.461E-09	1.488E-07	1.204E-01	4.916E-06	1.418E-03	4.695E-09	0.	2.900E+04
9.193E-06	1.235E-02	4.453E-09	9.946E-08	1.203E-01	3.631E-06	2.249E-03	1.525E-08	0.	3.000E+04
6.976E-06	8.894E-03	2.342E-09	6.717E-08	1.196E-01	2.703E-06	3.460E-03	4.617E-08	0.	3.100E+04
5.368E-06	8.168E-03	1.307E-09	4.565E-08	1.182E-01	2.027E-06	5.168E-03	1.307E-07	0.	3.200E+04
4.143E-06	6.770E-03	7.259E-10	3.112E-08	1.160E-01	1.529E-06	7.497E-03	3.470E-07	0.	3.300E+04
3.327E-06	5.621E-03	4.047E-10	2.120E-08	1.129E-01	1.158E-06	1.756E-02	8.666E-07	0.	3.400E+04
2.682E-06	4.665E-03	2.273E-10	1.437E-08	1.088E-01	8.795E-07	1.446E-02	2.040E-06	8.906E-14	3.500E+04
2.146E-06	3.861E-03	1.277E-10	9.665E-09	1.037E-01	6.687E-07	1.921E-02	4.533E-06	4.204E-13	3.600E+04
1.625E-06	3.180E-03	7.145E-11	6.422E-09	9.763E-02	5.075E-07	2.478E-02	9.534E-06	1.604E-12	3.700E+04
1.239E-06	2.646E-03	3.971E-11	4.207E-09	9.072E-02	3.839E-07	3.107E-02	1.902E-05	7.076E-12	3.800E+04
1.315E-06	2.116E-03	2.187E-11	2.712E-09	8.319E-02	2.892E-07	3.787E-02	3.609E-05	2.551E-11	3.900E+04
1.136E-06	1.707E-03	1.192E-11	1.722E-09	7.531E-02	2.167E-07	4.495E-02	6.533E-05	8.506E-11	4.000E+04
9.948E-07	1.365E-03	6.429E-12	1.073E-09	6.724E-02	1.615E-07	5.205E-02	1.132E-04	2.638E-10	4.100E+04
8.783E-07	1.049E-03	3.436E-12	6.607E-10	5.957E-02	1.197E-07	5.892E-02	1.886E-04	7.654E-10	4.200E+04
7.821E-07	8.563E-04	1.822E-12	4.018E-10	5.223E-02	8.837E-08	6.538E-02	3.029E-04	2.090E-09	4.300E+04
7.016E-07	6.723E-04	9.612E-13	2.420E-10	4.538E-02	6.500E-08	7.127E-02	4.708E-04	5.997E-09	4.400E+04
6.337E-07	5.261E-04	5.055E-13	1.448E-10	3.922E-02	4.769E-08	7.648E-02	7.105E-04	1.375E-08	4.500E+04
5.756E-07	4.105E-04	2.656E-13	8.629E-11	3.373E-02	3.495E-08	8.098E-02	1.944E-03	3.100E-08	4.600E+04
5.256E-07	3.198E-04	1.397E-13	5.131E-11	2.841E-02	2.561E-08	8.474E-02	1.498E-03	6.971E-08	4.700E+04
4.822E-07	2.488E-04	7.373E-14	3.051E-11	2.472E-02	1.877E-08	8.776E-02	2.103E-03	1.505E-07	4.800E+04
4.439E-07	1.938E-04	3.988E-14	1.816E-11	2.110E-02	1.378E-08	9.307E-02	2.892E-03	3.131E-07	4.900E+04
4.103E-07	1.509E-04	2.988E-14	1.083E-11	1.799E-02	1.014E-08	9.167E-02	3.904E-03	6.294E-07	5.000E+04

PFMU = 8.00E+01

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	0.	7.372E-02	6.901E-21	0.	0.	0.	0.	0.	5.300E+02
0.	0.	1.542E-01	1.003E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.114E-01	1.260E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.836E-10	2.354E-01	1.549E-20	0.	0.	0.	0.	0.	8.000E+02
0.	2.830E-26	2.439E-01	1.863E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.653E-23	2.471E-01	2.150E-20	0.	0.	0.	0.	0.	1.000E+03
0.	3.240E-21	2.484E-01	2.388E-20	0.	0.	0.	0.	0.	1.100E+03
0.	2.351E-19	2.491E-01	2.567E-20	0.	0.	0.	0.	0.	1.200E+03
0.	9.336E-18	2.494E-01	2.687E-20	0.	0.	0.	0.	0.	1.300E+03
0.	2.196E-16	2.496E-01	2.752E-20	0.	0.	0.	0.	0.	1.400E+03
0.	3.398E-15	2.497E-01	2.774E-20	0.	0.	0.	0.	0.	1.500E+03
4.508E-14	3.738E-14	2.498E-01	2.761E-20	0.	0.	0.	0.	0.	1.600E+03
1.408E-13	3.137E-13	2.498E-01	2.722E-20	0.	0.	0.	0.	0.	1.700E+03
1.004E-12	2.443E-12	2.499E-01	2.666E-20	0.	0.	0.	0.	0.	1.800E+03
3.543E-11	1.103E-11	2.499E-01	2.599E-20	0.	0.	0.	0.	0.	1.900E+03
0.816E-10	5.034E-10	2.499E-01	2.574E-20	0.	0.	0.	0.	0.	2.000E+03
4.338E-09	1.490E-09	2.499E-01	2.468E-20	0.	0.	0.	0.	0.	2.100E+03
6.076E-08	6.449E-08	2.499E-01	2.515E-19	0.	0.	0.	0.	0.	2.200E+03
5.265E-07	2.178E-07	2.498E-01	1.507E-18	0.	0.	0.	0.	0.	2.300E+03
3.688E-06	6.207E-06	2.498E-01	7.991E-18	0.	0.	0.	0.	0.	2.400E+03
2.194E-05	1.628E-05	2.498E-01	3.743E-17	0.	0.	0.	0.	0.	2.500E+03
1.141E-04	3.465E-04	2.495E-01	1.560E-16	0.	0.	0.	0.	0.	2.600E+03
5.234E-03	9.345E-03	2.493E-01	5.863E-15	0.	0.	0.	0.	0.	2.700E+03
2.153E-02	1.498E-02	2.490E-01	2.038E-14	0.	0.	0.	0.	0.	2.800E+03
8.001E-01	3.470E-01	2.486E-01	6.325E-13	0.	0.	0.	0.	0.	2.900E+03
2.722E-04	7.728E-04	1.849E-01	1.849E-14	0.	0.	0.	0.	0.	3.000E+03
8.942E-04	1.444E-03	2.474E-01	5.049E-14	0.	0.	0.	0.	0.	3.100E+03
2.490E-13	2.582E-13	2.466E-01	1.247E-13	0.	0.	0.	0.	0.	3.200E+03
6.766E-13	4.467E-13	2.456E-01	3.155E-13	0.	0.	0.	0.	0.	3.300E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	3.427E-11	9.450E-05	2.961E-05	3.972E-05	6.904E-09	4.400E-02	7.114E-01	9.782E-12	2.550E-91
3.500E+03	7.651E-11	8.791E-05	3.428E-05	5.499E-05	8.461E-09	5.517E-02	7.016E-01	2.117E-11	5.795E-11
3.600E+03	1.634E-10	8.168E-05	3.922E-05	7.459E-05	1.021E-08	6.821E-02	6.902E-01	4.382E-11	1.259E-10
3.700E+03	3.350E-10	7.575E-05	4.434E-05	9.928E-05	1.214E-08	8.323E-02	6.770E-01	8.711E-11	2.621E-10
3.800E+03	6.612E-10	7.006E-05	4.955E-05	1.249E-04	1.423E-08	1.003E-01	6.621E-01	1.667E-10	5.253E-10
3.900E+03	1.260E-09	6.459E-05	5.478E-05	1.670E-04	1.645E-08	1.195F-01	6.453E-01	3.078E-10	1.016E-09
4.000E+03	2.324E-09	5.932E-05	5.989E-05	2.113E-04	1.876E-08	1.408E-01	6.266E-01	5.499E-10	1.899E-09
4.100E+03	4.159E-09	5.424E-05	6.480E-05	2.636E-04	2.112E-08	1.641E-01	6.061E-01	9.521E-10	3.442E-09
4.200E+03	7.235E-09	4.935E-05	6.938E-05	3.241E-04	2.347E-08	1.894E-01	5.840E-01	1.601E-09	6.061E-09
4.300E+03	1.226E-08	4.467E-05	7.352E-05	3.932E-04	2.575E-08	2.165E-01	5.602E-01	2.618E-09	1.039E-08
4.400E+03	2.025E-08	4.020E-05	7.714E-05	4.711E-04	2.792E-08	2.452E-01	5.350E-01	4.169E-09	1.736E-08
4.500E+03	3.270E-08	3.595E-05	8.015E-05	5.575E-04	2.991E-08	2.753E-01	5.086E-01	6.478E-09	2.832E-08
4.600E+03	5.165E-08	3.196E-05	8.248E-05	6.522E-04	3.168E-08	3.065E-01	4.812E-01	9.829E-09	4.517E-08
4.700E+03	7.994E-08	2.823E-05	8.408E-05	7.547E-04	3.318E-08	3.385E-01	4.530E-01	1.458E-08	7.054E-08
4.800E+03	1.213E-07	2.477E-05	8.495E-05	8.642E-04	3.439E-08	3.710E-01	4.245E-01	2.118E-08	1.080E-07
4.900E+03	1.609E-07	2.160E-05	8.509E-05	9.807E-04	3.528E-08	4.034E-01	3.958E-01	3.015E-08	1.623E-07
5.000E+03	2.650E-07	1.871E-05	8.452E-05	1.101E-03	3.584E-08	4.359E-01	3.674E-01	4.210E-08	2.395E-07
5.100E+03	5.25E-07	1.379E-05	8.146E-05	1.355E-03	3.601E-08	4.985E-01	3.121E-01	7.777E-08	4.945E-07
5.200E+03	1.048E-06	9.951E-06	7.634E-05	1.616E-03	3.505E-08	5.565E-01	2.608E-01	1.766E-07	1.093E-07
5.300E+03	1.924E-06	7.051E-06	6.987E-05	1.878E-03	3.322E-08	6.082E-01	2.148E-01	2.197E-07	1.793E-06
5.400E+03	3.376E-06	4.930E-06	6.271E-05	2.173E-03	3.081E-08	6.527E-01	1.749E-01	3.408E-07	3.408E-07
5.500E+03	5.889E-06	3.417E-06	5.544E-05	2.378E-03	2.808E-08	6.897E-01	1.413E-01	5.054E-07	5.344E-06
5.600E+03	9.249E-06	2.357E-06	4.844E-05	2.607E-03	2.524E-08	7.197E-01	1.136E-01	7.212E-07	8.942E-06
5.700E+03	1.457E-05	1.625E-06	4.119E-05	2.819E-03	2.245E-08	7.433E-01	9.119E-02	9.954E-07	1.366E-05
5.800E+03	2.230E-05	1.122E-06	3.614E-05	3.011E-03	1.979E-08	7.613E-01	7.321E-02	1.335E-06	2.083E-05
5.900E+03	3.329E-05	7.778E-07	3.098E-05	3.181E-03	1.731E-08	7.746E-01	5.891E-02	1.745E-06	3.089E-05
6.000E+03	4.859E-05	5.418E-07	2.647E-05	3.327E-03	1.592E-08	7.841E-01	4.757E-02	2.732E-06	4.699E-05
6.100E+03	6.947E-05	3.794E-07	2.254E-05	3.447E-03	1.295E-08	7.903E-01	3.859E-02	2.800E-06	6.319E-05
6.200E+03	9.752E-05	2.671E-07	1.916E-05	3.539E-03	1.107E-08	7.938E-01	3.146E-02	3.454E-06	8.754E-05
6.300E+03	1.366E-04	1.890E-07	1.624E-05	3.603E-03	9.392E-09	7.952E-01	2.579E-02	4.196E-06	1.190E-04
6.400E+03	1.829E-04	1.344E-07	1.372E-05	3.639E-03	7.996E-09	7.948E-01	2.126E-02	5.028E-06	1.590E-04
6.500E+03	2.450E-04	9.549E-08	1.157E-05	3.628E-03	6.576E-09	7.930E-01	1.763E-02	5.953E-06	2.091E-04
6.600E+03	3.239E-04	6.803E-08	9.724E-06	3.593E-03	5.423E-09	7.901E-01	1.471E-02	6.973E-06	2.712E-04
6.700E+03	4.230E-04	4.954E-08	8.150E-06	3.529E-03	4.426E-09	7.865E-01	1.235E-02	8.091E-06	3.471E-04
6.800E+03	5.460E-04	3.580E-08	6.812E-06	3.436E-03	3.477E-09	7.824E-01	1.043E-02	9.313E-06	4.390E-04
6.900E+03	6.972E-04	2.547E-08	5.680E-06	3.319E-03	2.862E-09	7.780E-01	8.867E-03	1.065E-05	5.494E-04
7.000E+03	8.810E-04	1.891E-08	4.726E-06	3.182E-03	2.269E-09	7.736E-01	7.580E-03	1.210E-05	6.809E-04
7.100E+03	1.103E-03	1.383E-08	3.927E-06	3.030E-03	1.784E-09	7.694E-01	6.525E-03	1.368E-05	8.380E-04
7.200E+03	1.367E-03	1.117E-08	3.260E-06	2.868E-03	1.394E-09	7.654E-01	5.652E-03	1.539E-05	1.020E-03
7.300E+03	1.681E-03	7.516E-09	2.706E-06	2.701E-03	1.083E-09	7.617E-01	4.925E-03	1.724E-05	1.235E-03
7.400E+03	2.049E-03	5.587E-09	2.244E-06	2.534E-03	8.385E-10	7.583E-01	4.318E-03	1.929E-05	1.485E-03
7.500E+04	2.479E-03	4.179E-09	1.877E-06	2.369E-03	6.478E-10	7.553E-01	3.806E-03	2.149E-05	1.774E-03
7.600E+04	5.749E-03	1.080E-09	7.714E-07	1.656E-03	4.805E-10	7.438E-01	3.527E-03	3.527E-05	3.973E-03
7.700E+04	1.180E-02	3.265E-10	3.438E-07	1.161E-03	3.468E-11	7.332E-01	1.353E-03	5.390E-05	7.897E-03
7.800E+04	2.156E-02	1.118E-10	1.643E-07	8.291E-04	2.825E-11	7.190E-01	8.880E-04	7.694E-05	1.422E-02
7.900E+04	3.608E-02	4.172E-11	8.237E-08	5.989E-04	6.557E-12	6.986E-01	6.012E-04	1.031E-04	2.361E-02
8.000E+04	5.611E-02	1.636E-11	4.236E-08	4.330E-04	2.457E-12	6.706E-01	4.129E-04	7.302E-04	3.659E-02
8.100E+04	8.198E-02	6.532E-12	2.187E-08	3.096E-04	9.322E-13	6.344E-01	2.837E-04	1.555E-04	5.348E-02
8.200E+04	1.134E-01	2.588E-12	1.114E-08	2.168E-04	3.492E-13	5.901E-01	1.929E-04	1.756E-04	7.424E-02
8.300E+04	1.494E-01	9.967E-13	5.518E-09	1.474E-04	1.265E-13	5.389E-01	1.286E-04	1.878E-04	9.846E-02
8.400E+04	1.884E-01	3.675E-13	2.631E-09	9.680E-05	4.369E-14	4.829E-01	8.354E-05	1.905E-04	1.253E-01
8.500E+04	2.385E-01	1.286E-13	1.201E-09	6.125E-05	1.428E-14	4.245E-01	5.257E-05	1.835E-04	1.536E-01
8.600E+04	2.678E-01	4.266E-14	5.246E-10	3.738E-05	4.418E-15	3.666E-01	3.220E-05	1.684E-04	1.821E-01
8.700E+04	3.344E-01	1.347E-14	2.203E-10	2.210E-05	3.01E-15	3.118E-01	1.913E-05	1.480E-04	2.095E-01
8.800E+04	3.372E-01	4.089E-15	8.969E-11	1.274E-05	5.694E-16	2.621E-01	1.110E-05	1.252E-04	2.348E-01
8.900E+04	3.655E-01	1.210E-15	3.578E-11	7.216E-06	1.025E-16	2.185E-01	6.327E-06	1.028E-04	2.572E-01
9.000E+04	3.893E-01	3.540E-16	1.415E-11	4.053E-06	2.828E-17	1.814E-01	3.571E-06	6.234E-05	2.765E-01
9.100E+04	4.384E-01	1.034E-16	5.607E-12	2.274E-06	7.862E-18	1.507E-01	2.010E-06	6.491E-05	2.927E-01
9.200E+04	4.249E-01	3.099E-17	2.247E-12	1.243E-06	2.229E-18	1.253E-01	1.135E-06	5.065E-05	3.060E-01
9.300E+04	4.376E-01	9.467E-18	4.171E-13	7.313E-07	6.500E-19	1.049E-01	6.467E-07	3.937E-05	3.168E-01
9.400E+04	4.481E-01	2.883E-18	3.830E-13	4.223E-07	1.960E-19	8.840E-02	3.732E-07	3.049E-05	3.255E-01
9.500E+04	4.566E-01	4.730E-19	1.641E-13	2.475E-07	6.125E-20	7.510E-02	2.187E-07	2.369E-05	3.374E-01
9.600E+04	4.637E-01	3.292E-19	7.218E-14	1.472E-07	1.987E-20	6.433E-02	1.304E-07	1.848E-05	3.378E-01
9.700E+04	4.698E-01	1.155E-19	3.260E-14	8.889E-08	6.673E-21	5.557E-02	7.915E-08	1.450E-05	3.420E-01
9.800E+04	4.753E-01	4.195E-20	1.509E-14	5.474E-08	2.313E-21	4.840E-02	4.892E-08	1.144E-05	3.451E-01
9.900E+04	4.802E-01	1.375E-20	7.144E-15	3.367E-08	5.247E-22	4.248E-02	3.079E-08	9.083E-06	3.473E-01
1.000E+05	4.850E-01	6.091E-21	3.457E-15	2.134E-08	3.010E-22	3.756E-02	1.972E-08	7.261E-06	3.487E-01
1.100E+05	4.897E-01	2.420E-21	1.701E-15	1.325E-08	1.119E-22	3.343E-02	1.285E-08	5.842E-06	3.493E-01
1.200E+05	4.944E-01	9.851E-22	8.500E-16	8.383E-09	4.222E-23	2.994E-02	8.508E-09	4.730E-06	3.493E-01
1.300E+05	4.942E-01	4.095E-22	4.302E-16	5.323E-09	1.609E-23	2.696E-02	5.722E-09	2.854E-06	3.487E-01
1.400E+05	5.040E-01	1.734E-22	2.200E-16	3.387E-09	6.174E-24	2.441E-02	3.905E-09	3.160E-06	3.476E-01
1.500E+05	5.087E-01	7.464E-23	1.136E-16	2.156E-09	2.380E-24	2.220E-02	2.703E-09	2.407E-06	3.463E-01
1.600E+05	5.134E-01	3.263E-23	5.912E-17	1.373E-09	9.208E-25	2.027E-02	1.895E-09	2.164E-06	3.447E-01
1.700E+05	5.179E-01	1.447E-23	3.102E-17	8.75E-10	3.574E-25	1.859E-02	1.346E-09	1.807E-06	3.430E-01
1.800E+05	5.221E-01	6.511E-24	1.639E-17	5.581E-10	1.393E-25	1.710E-02	9.671E-10	1.518E-06	3.413E-01
1.900E+05	5.261E-01	2.971E-24	8.730E-18	3.565E-10	5.459E-26	1.579E-02	7.029E-10	1.282E-06	3.396E-01
2.000E+05	5.297E-01	1.375E-24	4.704E-18	2.282E-10	2.154E-26	1.462E-02	5.163E-10	1.090E-06	3.381E-01
2.100E+05	5.330E-01	6.461E-25	2.555E-18	1.466E-10	8.571E-27	1.358E-02	3.83E-10	9.14E-07	3.367E-01
2.200E+05	5.359E-01	3.081E-25	1.401E-18	9.456E-11	3.445E-27	1.265E-02	2.872E-10	8.002E-07	3.354E-01
2.300E+05	5.386E-01	1.491E-25	7.767E-19	6.124E-11	1.401E-27	1.181E-02	2.172E-10	6.910E-07	3.342E-01
2.400E+05	5.411E-01	7.128E-26	4.345E-19	3.992E-11	5.763E-28	1.105E-02	1.658E-10	5.995E-07	3.332E-01
2.500E+05	5.433E-01	3.654E-26	2.458E-19	2.616E-11	2.402E-28	1.036E-02	1.275E-10	5.274E-07	3.322E-01

TABLE II. - Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.739E-12	7.481E-06	2.444E-01	7.272E-13	7.931E-16	6.009E-17	0.	0.	0.	3.400E+03
4.209E-12	1.216E-05	2.430E-01	1.602E-12	2.560E-15	2.060E-16	0.	0.	0.	3.500E+03
9.670E-12	1.923E-05	2.414E-01	3.382E-12	7.755E-15	6.582E-16	0.	0.	0.	3.600E+03
2.118E-11	2.966E-05	2.395E-01	6.862E-12	2.215E-14	1.970E-15	0.	0.	0.	3.700E+03
4.428E-11	4.469E-05	2.373E-01	1.343E-11	5.995E-14	5.553E-15	0.	0.	0.	3.800E+03
8.888E-11	6.588E-05	2.349E-01	2.540E-11	1.344E-13	1.480E-14	0.	0.	0.	3.900E+03
1.715E-10	9.502E-05	2.322E-01	4.658E-11	3.796E-13	3.748E-14	0.	0.	0.	4.000E+03
3.190E-10	1.350E-04	2.292E-01	8.300E-11	8.946E-13	9.042E-14	0.	0.	0.	4.100E+03
5.737E-10	1.892E-04	2.260E-01	1.440E-10	2.026E-12	2.086E-13	0.	0.	0.	4.200E+03
9.977E-10	2.591E-04	2.225E-01	2.438E-10	4.425E-12	4.618E-13	0.	0.	0.	4.300E+03
1.684E-09	3.486E-04	2.189E-01	4.027E-10	9.337E-12	9.810E-13	0.	0.	0.	4.400E+03
2.763E-09	4.644E-04	2.150E-01	6.515E-10	1.909E-11	2.012E-12	0.	0.	0.	4.500E+03
4.411E-09	6.104E-04	2.105E-01	1.033E-09	3.788E-11	3.985E-12	0.	0.	0.	4.600E+03
6.893E-09	7.926E-04	2.066E-01	1.608E-09	7.312E-11	7.645E-12	0.	0.	0.	4.700E+03
1.042E-08	1.017E-03	2.025E-01	2.459E-09	1.375E-10	1.423E-11	0.	0.	0.	4.800E+03
1.547E-08	1.292E-03	1.982E-01	3.701E-09	2.526E-10	2.587E-11	0.	0.	0.	4.900E+03
2.247E-08	1.624E-03	1.939E-01	5.445E-09	4.533E-10	4.563E-11	0.	0.	0.	5.000E+03
4.401E-08	2.497E-03	1.854E-01	1.156E-08	1.372E-09	1.315E-10	0.	0.	0.	5.200E+02
8.233E-08	3.716E-03	1.773E-01	2.321E-08	3.854E-09	3.492E-10	0.	0.	0.	5.400E+03
1.424E-07	5.374E-03	1.696E-01	4.462E-08	1.012E-08	8.555E-10	0.	0.	0.	5.600E+03
3.249E-07	7.576E-03	1.626E-01	8.251E-08	2.503E-08	1.956E-09	0.	0.	0.	5.800E+02
3.624E-07	1.144E-02	1.560E-01	1.472E-07	5.859E-08	4.209E-09	0.	0.	0.	6.000E+03
5.447E-07	1.404E-02	1.499E-01	2.542E-07	1.364E-07	8.572E-09	1.997E-25	0.	0.	6.200E+01
7.776E-07	1.866E-02	1.440E-01	4.250E-07	2.769E-07	1.662E-08	1.647E-24	0.	0.	6.400E+02
1.086E-06	2.427E-02	1.381E-01	6.890E-07	5.625E-07	3.082E-08	1.196E-23	0.	0.	6.600E+03
1.470E-06	3.102E-02	1.322E-01	1.084E-06	1.097E-06	5.484E-08	7.760E-23	0.	0.	6.800E+02
1.947E-06	3.900E-02	1.259E-01	1.654E-06	2.055E-06	9.397E-08	4.528E-22	0.	0.	7.000E+03
2.527E-06	4.824E-02	1.193E-01	2.450E-06	3.711E-06	1.555E-07	2.393E-21	0.	0.	7.200E+03
3.221E-06	5.875E-02	1.122E-01	3.524E-06	6.486E-06	2.488E-07	1.152E-20	0.	0.	7.400E+03
4.035E-06	7.045E-02	1.047E-01	4.973E-06	1.089E-05	4.088E-07	5.088E-20	0.	0.	7.600E+03
4.993E-06	8.321E-02	9.674E-02	6.874E-06	1.776E-05	5.817E-07	2.071E-19	0.	0.	7.800E+03
6.093E-06	9.682E-02	8.843E-02	9.402E-06	2.408E-05	8.521E-07	7.812E-19	0.	0.	8.000E+03
7.350E-06	1.110E-01	7.990E-02	1.127E-05	4.309E-05	1.215E-06	2.742E-18	0.	0.	8.200E+03
8.771E-06	1.254E-01	7.131E-02	1.404E-05	6.429E-05	1.688E-06	5.001E-18	0.	0.	8.400E+01
1.037E-05	1.398E-01	6.284E-02	1.732E-05	9.338E-05	2.289E-06	2.774E-17	0.	0.	8.600E+03
1.215E-05	1.537E-01	5.468E-02	2.079E-05	1.322E-04	3.032E-06	8.057E-17	0.	0.	8.800E+03
1.412E-05	1.680E-01	4.700E-02	2.314E-05	1.829E-04	3.926E-06	2.215E-16	0.	0.	9.000E+03
1.629E-05	1.799E-01	3.994E-02	2.603E-05	2.473E-04	4.981E-06	5.783E-16	0.	0.	9.200E+03
1.866E-05	1.947E-01	3.360E-02	2.868E-05	3.278E-04	6.197E-06	1.440E-15	0.	0.	9.400E+03
2.124E-05	1.993E-01	2.802E-02	3.101E-05	4.263E-04	7.717E-06	3.429E-15	0.	0.	9.600E+02
2.404E-05	2.075E-01	2.320E-02	3.297E-05	5.452E-04	9.138E-06	7.843E-15	0.	0.	9.800E+03
2.706E-05	2.144E-01	1.911E-02	3.456E-05	6.866E-04	1.080E-05	1.726E-14	0.	0.	1.000E+04
4.540E-05	2.336E-01	1.067E-02	3.783E-05	1.819E-03	2.133E-05	5.560E-13	0.	0.	1.100E+04
6.861E-05	2.377E-01	2.729E-02	3.663E-05	3.420E-03	3.483E-05	9.748E-12	0.	0.	1.200E+04
9.599E-05	2.397E-01	1.143E-02	3.376E-05	7.373E-03	5.025E-05	1.095E-10	0.	0.	1.300E+04
1.223E-04	2.272E-01	5.157E-02	3.071E-05	1.252E-02	6.597E-05	8.730E-10	6.460E-24	0.	1.400E+04
1.471E-04	2.156E-01	2.845E-02	2.628E-05	1.959E-02	7.990E-05	5.297E-09	4.130E-22	0.	1.500E+04
1.661E-04	2.005E-01	1.212E-02	2.216E-05	2.858E-02	8.996E-05	2.575E-08	1.606E-20	0.	1.600E+04
1.767E-04	1.821E-01	6.086E-02	1.804E-05	3.923E-02	9.458E-05	1.041E-07	4.156E-19	0.	1.700E+04
1.775E-04	1.615E-01	3.365E-02	1.413E-05	5.099E-02	9.319E-05	3.613E-07	7.676E-18	0.	1.800E+04
1.686E-04	1.396E-01	1.532E-02	1.063E-05	6.316E-02	8.634E-05	1.101E-06	1.070E-16	0.	1.900E+04
1.520E-04	1.178E-01	7.557E-02	7.688E-06	7.494E-02	7.557E-05	3.004E-06	1.175E-15	0.	2.000E+04
1.305E-04	9.734E-02	3.673E-02	5.363E-06	8.565E-02	6.289E-05	7.460E-06	1.054E-14	0.	2.100E+04
1.074E-04	7.402E-02	1.763E-02	2.631E-06	9.484E-02	5.013E-05	1.709E-05	7.941E-14	0.	2.200E+04
8.526E-05	6.335E-02	8.404E-02	2.405E-06	1.027E-01	3.863E-05	3.654E-05	5.167E-13	0.	2.300E+04
6.542E-05	5.042E-02	4.008E-02	1.571E-06	1.061E-01	2.904E-05	7.360E-05	2.923E-12	0.	2.400E+04
4.981E-05	4.004E-02	1.927E-02	1.021E-06	1.125E-01	2.149E-05	1.408E-04	1.476E-11	0.	2.500E+04
3.724E-05	3.186E-02	9.389E-02	6.636E-07	1.157E-01	1.577E-05	2.574E-04	6.711E-11	0.	2.600E+04
2.769E-05	2.588E-02	4.662E-02	4.339E-07	1.179E-01	1.155E-05	4.520E-04	2.774E-10	0.	2.700E+04
2.003E-05	2.052E-02	2.364E-02	2.862E-07	1.193E-01	8.473E-06	7.652E-04	1.051E-09	0.	2.800E+04
1.540E-05	1.665E-02	1.226E-02	1.407E-07	1.201E-01	6.49E-06	1.273E-03	3.673E-09	0.	2.900E+04
1.161E-05	1.362E-02	6.498E-02	1.283E-07	1.202E-01	4.640E-06	1.987E-03	1.192E-08	0.	3.000E+04
8.844E-06	1.122E-02	3.514E-02	8.715E-08	1.194E-01	3.470E-06	3.059E-03	7.604E-08	0.	3.100E+04
6.833E-06	9.293E-03	1.933E-02	5.957E-08	1.187E-01	2.614E-06	4.576E-03	1.021E-07	0.	3.200E+04
5.323E-06	7.731E-03	1.079E-02	4.088E-08	1.168E-01	1.980E-06	6.654E-03	2.719E-07	0.	3.300E+04
4.257E-06	6.446E-03	6.342E-03	2.807E-08	1.141E-01	1.508E-06	9.436E-03	6.800E-07	0.	3.400E+04
3.448E-06	5.375E-03	3.449E-03	1.921E-08	1.105E-01	1.151E-06	1.293E-02	1.607E-06	6.180E-14	3.500E+04
2.819E-06	4.474E-03	1.959E-03	1.336E-08	1.058E-01	8.798E-07	1.726E-02	3.559E-06	2.931E-13	3.600E+04
2.368E-06	3.709E-03	1.111E-03	8.791E-09	1.003E-01	6.720E-07	2.242E-02	7.494E-06	1.266E-12	3.700E+04
1.981E-06	3.054E-03	6.262E-03	5.841E-09	9.384E-02	5.121E-07	2.830E-02	1.526E-05	4.998E-12	3.800E+04
1.644E-06	2.505E-03	3.502E-03	3.824E-09	8.672E-02	3.888E-07	3.476E-02	2.917E-05	1.816E-11	3.900E+04
1.467E-06	2.037E-03	1.941E-03	2.465E-09	7.914E-02	2.938E-07	4.159E-02	5.322E-05	6.102E-11	4.000E+04
1.263E-06	1.664E-03	1.065E-03	1.565E-09	7.136E-02	2.208E-07	4.855E-02	9.298E-05	1.907E-10	4.100E+04
1.134E-06	1.317E-03	5.786E-02	9.793E-10	6.364E-02	1.651E-07	5.941E-02	1.561E-04	5.575E-10	4.200E+04
1.011E-06	1.048E-03	3.120E-02	6.052E-10	5.621E-02	1.229E-07	6.195E-02	2.525E-04	1.533E-09	4.300E+04
9.073E-07	8.298E-04	1.672E-02	3.702E-10	4.924E-02	9.117E-08	6.401E-02	3.952E-04	3.984E-09	4.400E+04
8.200E-07	6.538E-04	8.921E-03	2.247E-10	4.285E-02	6.741E-08	7.347E-02	8.001E-04	5.839E-09	4.500E+04
7.454E-07	5.136E-04	4.752E-03	1.357E-10	3.709E-02	4.975E-08	7.827E-02	8.871E-04	2.318E-08	4.600E+04
6.811E-07	4.026E-04	2.531E-03	8.187E-11	3.198E-02	3.669E-08	8.236E-02	1.279E-03	5.233E-08	4.700E+04
6.250E-07	3.152E-04	1.351E-03	4.910E-11	2.749E-02	2.768E-08	8.574E-02	1.804E-03	1.134E-07	4.800E+04
5.754E-07	2.467E-04	7.234E-04	2.953E-11	2.359E-02	1.998E-08	8.841E-02	2.493E-03	2.377E-07	4.900E+04
5.325E-07	931E-04	3.896E-04	1.778E-11	2.021E-02	1.477E-08	9.039E-02	3.379E-03	4.784E-07	5.000E+04

TABLE II. - Continued

P/PO = 9.00E+01

T	E-	NM3	NM2	NM	N2M2	M	M2	M2+	M+
5.000E+02	0.	7.192E-01	1.429E-20	6.537E-35	1.971F-20	3.392F-22	2.106E-01	1.456E-17	9.314E-22
6.000E+02	0.	4.035E-01	3.357F-17	5.373E-29	3.733E-24	3.278F-18	4.474E-01	1.182E-11	2.808F-21
7.000E+02	0.	1.680E-01	6.148E-15	4.523E-25	2.713E-21	2.114E-15	6.240E-01	9.752E-19	6.64E-11
8.000E+02	0.	6.474E-02	2.468E-13	1.280E-21	2.864E-19	2.565E-13	7.014E-01	8.769E-19	1.41E-11
9.000E+02	0.	2.731E-02	3.995E-12	3.296E-19	9.616E-18	1.054E-11	7.295F-01	8.290E-19	2.71E-11
1.000E+03	0.	1.311E-02	3.571E-11	2.744E-17	1.563E-16	2.060F-10	7.402F-01	7.949F-19	4.622E-20
1.100E+03	0.	7.070E-03	2.134E-10	1.015E-15	1.479E-15	2.353F-09	7.447E-01	7.623F-19	7.131E-20
1.200E+03	0.	4.198E-03	9.375E-10	2.064E-14	9.711E-15	1.798E-08	7.469E-01	7.278E-19	1.015E-19
1.300E+03	0.	2.695E-03	3.270F-09	7.637E-13	4.778F-14	1.008F-07	7.480E-01	6.491E-19	1.353E-19
1.400E+03	0.	1.842E-03	9.525E-09	2.329E-12	1.877E-13	4.434E-07	7.486E-01	6.541E-19	1.712E-19
1.500E+03	0.	1.325E-03	2.494E-08	1.542E-11	6.160E-13	1.605E-06	7.490E-01	6.167E-19	2.079E-19
1.600E+03	0.	9.950F-C4	5.401F-08	8.057E-11	1.747E-12	4.956E-06	7.492E-01	5.873F-19	2.441E-19
1.700E+03	1.077E-27	7.736E-C4	1.103E-07	3.467E-10	4.397E-12	1.343E-05	7.454E-01	5.455E-19	2.790F-19
1.800E+03	4.671F-25	6.195E-04	2.081E-C7	1.268E-09	1.001E-11	3.263E-05	7.495E-01	5.128E-19	3.120E-19
1.900E+03	1.785E-22	5.085E-04	3.671E-07	4.049E-09	2.087E-11	7.232F-05	7.496E-01	4.825E-19	3.430E-19
2.000E+03	1.455F-20	4.263E-04	6.119E-07	1.151E-08	4.492E-11	1.482E-04	7.496E-01	4.623F-19	3.779E-19
2.100E+03	7.000E-19	3.619E-04	9.716E-07	2.962F-08	7.473F-11	2.829E-04	7.495F-01	7.834F-19	7.265F-19
2.200E+03	7.515E-18	4.155E-04	1.479E-06	6.996F-08	1.479E-10	5.131E-04	7.493E-01	4.012E-18	4.173E-18
2.300E+03	5.039F-17	2.772E-04	2.170E-06	1.933E-07	2.150E-10	8.813E-04	7.490E-01	2.375E-17	2.697F-17
2.400E+03	2.798E-16	2.464E-04	3.083E-06	3.147E-07	3.421E-10	1.448E-03	7.485E-01	1.217E-16	1.574E-16
2.500E+03	1.584E-15	2.211E-04	4.258E-06	6.099E-07	5.247E-10	2.287E-03	7.478E-01	5.495E-16	7.765E-16
2.600E+03	5.781E-15	2.011E-04	5.733E-06	1.123E-06	7.793E-10	3.489E-03	7.468E-01	2.293F-15	3.552E-15
2.700E+03	2.228E-14	1.824E-04	7.544E-06	1.975E-06	1.124E-09	5.160E-03	7.453E-01	8.476E-15	1.376E-14
2.800E+03	7.815E-14	1.673E-04	9.726E-06	3.336E-06	1.580E-09	7.420E-03	7.434E-01	6.858E-14	4.976E-14
2.900E+03	2.518E-13	1.542E-04	1.230E-05	5.431E-06	2.167E-09	1.040E-C2	7.408E-01	6.868E-14	5.449E-13
3.000E+03	7.515E-13	1.427E-04	1.530E-05	8.552E-C6	2.909F-09	1.426E-02	7.374F-01	2.554E-13	1.050E-13
3.100E+03	2.043F-12	1.324E-04	1.873E-05	1.306E-05	3.825E-09	1.914E-02	7.331F-01	6.873E-13	1.440E-12
3.200E+03	5.471E-12	1.211E-04	2.258F-05	1.941E-05	4.936E-09	2.521F-02	7.278F-01	1.739E-12	3.851E-12
3.300E+03	1.351E-11	1.147E-04	2.686E-05	2.813E-05	6.257E-09	3.262F-02	7.213E-01	4.160E-12	9.707E-12
3.400E+03	3.163E-11	1.069E-04	3.152E-05	3.981E-05	7.800E-09	4.154E-02	7.135E-01	9.446E-12	2.319E-11
3.500E+03	7.061E-11	9.954E-05	3.653E-05	5.513E-05	9.569E-09	5.211E-02	7.043E-01	2.046E-11	5.273E-11
3.600E+03	1.508E-10	9.263E-05	4.183E-05	7.484E-05	1.156E-05	6.446E-02	6.935F-01	4.247E-11	1.146E-10
3.700E+03	3.791E-10	8.607E-05	4.736E-05	9.969E-05	1.377E-08	7.870E-02	6.810E-01	8.441E-11	2.388E-10
3.800E+03	6.101E-10	7.978F-05	5.301F-05	1.305E-04	1.617E-08	9.491E-02	6.648E-01	1.617E-10	4.808E-10
3.900E+03	1.163F-09	7.373E-05	5.870E-05	1.679E-04	1.873E-08	1.131F-01	6.508E-01	2.991E-10	9.263E-10
4.000E+03	2.145E-09	6.790E-05	6.431F-05	2.128E-04	2.141E-08	1.334E-01	6.320E-01	5.451E-10	1.733E-09
4.100E+03	3.839F-09	6.228F-05	6.972E-05	2.658E-04	2.741F-08	1.557E-01	6.175E-01	4.280E-10	3.144F-09
4.200E+03	6.680F-09	5.687E-05	7.483E-05	3.273E-04	2.892F-08	1.798E-01	5.923E-01	1.563F-09	5.541E-09
4.300E+03	1.132E-08	5.167E-05	7.952E-05	3.977E-04	2.263E-08	2.058F-01	5.695E-01	2.561E-09	4.504E-09
4.400E+03	1.871E-08	4.669E-05	8.368E-05	4.772E-04	2.223E-08	2.334F-01	5.453E-01	4.088E-09	1.589E-08
4.500E+03	3.923E-08	4.146E-05	8.722E-05	5.657E-04	3.466F-08	2.624E-01	5.198F-01	6.367F-09	2.595F-08
4.600E+03	4.778E-08	3.748E-05	9.006E-05	6.631E-04	3.685E-08	2.926E-01	4.933E-01	9.885F-09	4.144E-08
4.700E+03	7.748F-08	3.328E-05	9.215E-05	7.649E-04	3.875E-08	3.237F-01	4.660E-01	1.441F-08	6.479F-08
4.800E+03	1.124E-7	2.937E-05	9.346E-05	8.823E-04	4.032F-08	3.554E-01	4.382E-01	2.099E-08	9.929E-08
4.900E+03	1.676F-07	2.575E-05	9.349E-05	1.003E-03	4.154E-08	3.873E-01	4.101F-01	2.996F-08	1.493F-07
5.000E+03	2.458E-07	2.245E-05	9.374E-05	1.129E-03	4.239E-08	4.191E-01	3.821E-01	4.196E-08	2.207F-07
5.200E+03	5.339E-07	1.676E-05	9.112E-05	1.395E-03	4.290E-08	4.812E-01	3.273E-01	7.802F-08	4.588F-07
5.400E+03	4.755E-07	1.225E-05	8.614E-05	1.672E-03	4.221E-08	5.395E-01	2.757E-01	1.359E-07	8.975E-07
5.600E+03	1.794F-06	8.787E-06	7.950E-05	1.951E-03	4.034F-08	5.921F-01	2.290E-01	2.233E-07	1.665E-06
5.800E+03	3.152E-06	6.217E-06	7.193F-05	2.225F-03	7.771F-08	6.796E-01	1.880E-01	1.886E-07	2.943E-06
6.000E+03	5.320E-06	4.356F-06	6.404E-05	2.489F-03	3.461E-08	6.766E-01	1.530E-01	5.271F-07	4.983E-06
6.200E+03	8.660E-06	3.035E-06	5.632E-05	2.738F-03	3.132F-08	7.083F-01	1.238F-01	7.261F-07	8.171E-06
6.400E+03	1.365E-05	2.110E-06	4.908E-05	2.966F-03	2.801E-08	7.356E-01	9.993E-02	1.034E-06	1.279E-05
6.600E+03	2.092E-05	1.468F-06	4.247E-05	3.174F-03	2.482F-08	7.532E-01	8.063E-02	1.393E-06	1.953F-05
6.800E+03	3.126E-05	1.024E-06	3.658E-05	3.367F-03	2.181E-08	7.681E-01	6.415E-02	1.827E-06	2.900E-05
7.000E+03	4.564E-05	7.178E-07	3.138E-05	3.530E-03	1.903E-08	7.788F-01	5.280E-02	2.364E-06	4.270E-05
7.200E+03	6.524E-05	5.054E-07	2.683E-05	3.666F-03	1.648F-08	7.862F-01	4.296E-02	2.949E-06	5.946F-05
7.400E+03	9.167E-05	3.576E-07	2.284E-05	3.773E-03	1.416E-08	7.907E-01	3.512F-02	3.666E-06	8.746E-05
7.600E+03	1.265E-04	2.543F-07	1.947E-05	3.849F-03	1.207E-08	7.930F-01	2.885F-02	4.438E-06	1.122F-04
7.800E+03	1.720E-04	1.817E-07	1.652E-05	3.891F-03	1.021E-08	7.933E-01	2.383E-02	5.327F-06	1.500F-04
8.000E+03	2.334E-04	1.373E-07	1.348E-05	3.900E-03	8.550E-09	7.927E-01	1.990E-02	6.317E-06	1.975E-04
8.200E+03	3.047E-04	9.348E-08	1.179E-05	3.875E-03	7.095E-09	7.898E-01	1.654E-02	7.409E-06	2.562E-04
8.400E+03	3.974F-04	6.788E-08	9.922E-06	3.818F-03	5.803F-09	7.867F-01	1.390E-02	3.606E-06	3.281E-04
8.600E+03	5.136E-04	4.925E-08	8.325E-06	3.730E-03	4.743F-09	7.829E-01	1.175E-02	4.914E-06	4.151E-04
8.800E+03	6.558E-04	3.587F-08	6.968E-06	3.616E-03	3.821F-09	7.788E-01	9.490E-03	1.134F-05	5.196E-04
9.000E+03	8.289E-04	2.623F-08	5.819E-06	3.479E-03	3.051E-09	7.745E-01	8.548E-03	1.289E-05	6.441E-04
9.200E+03	1.037E-03	1.926E-08	4.852E-06	3.324E-03	2.416F-09	7.703E-01	7.359E-03	1.457E-05	7.915F-04
9.400E+03	1.287E-03	1.420E-08	4.042E-06	3.157E-03	1.900E-09	7.664E-01	6.175E-03	1.649E-05	9.648E-04
9.600E+03	1.582E-03	1.053E-08	3.366E-06	2.942F-03	1.485E-09	7.626E-01	5.457E-03	1.839E-05	1.168E-03
9.800E+03	1.929E-03	7.848E-09	2.803E-06	2.705E-03	1.156F-09	7.592E-01	4.869E-03	2.054E-05	1.403F-03
1.000E+04	2.334E-03	5.884E-09	2.337E-06	2.630E-03	8.979E-10	7.562E-01	4.292F-03	2.287E-04	1.676E-03
1.100E+04	5.464E-03	1.533E-09	9.727E-07	1.855E-03	2.547E-10	7.445E-01	2.450E-03	3.750F-05	3.751F-03
1.200E+04	1.113E-02	4.661E-10	4.357E-07	1.307E-03	7.789E-11	7.441E-01	1.526E-03	5.790E-04	7.437F-03
1.300E+04	2.035F-02	1.607E-10	2.092E-07	9.364F-04	2.620F-11	7.406E-01	1.004E-03	8.190E-05	1.34E-03
1.400E+04	3.408E-02	6.037E-11	1.055E-07	6.795E-04	9.493F-12	7.013E-01	6.816E-04	1.100E-04	2.730F-02
1.500E+04	5.308E-02	2.392E-11	5.471E-08	4.940F-04	3.595E-12	6.748E-01	4.703E-04	1.394F-04	3.468E-02
1.600E+04	7.769E-02	9.684E-12	2.855E-08	3.559E-04	1.386F-12	6.407E-01	3.253E-04	1.872F-04	5.063F-02
1.700E+04	1.077E-01	3.406E-12	1.474E-08	2.516E-04	5.291E-13	5.981E-01	2.230E-04	1.879E-04	7.262E-02
1.800E+04	1.423E-01	1.537E-12	7.426E-09	1.731E-04	1.962E-13	5.490E-01	1.502E-04	2.048E-04	9.180E-02
1.900E+04	1.801E-01	5.818E-13	3.612E-09	1.153E-04	6.969E-14	4.949E-01	9.474E-05	2.094E-04	1.094E-01
2.000E+04	2.192E-01	2.097E-13	1.866E-09	7.409E-05	2.351E-14	4.381E-01	6.312F-05	2.038F-04	1.469E-01

TABLE II.- Continued

P/PO = 9.00E+01

M	N	N2	N2+	N3	N-	N1+	N***	N****	T	
0.	0.	7.019E-02	6.929E-21	0.	0.	0.	0.	0.	5.000E+02	
0.	0.	1.491E-01	1.018E-20	0.	0.	0.	0.	0.	6.000E+02	
0.	0.	2.080E-01	1.275E-20	0.	0.	0.	0.	0.	7.000E+02	
0.	9.242E-30	2.338E-01	1.562E-20	0.	0.	0.	0.	0.	8.000E+02	
0.	2.684E-28	2.432E-01	1.871E-20	0.	0.	0.	0.	0.	9.000E+02	
0.	1.557E-23	2.467E-01	2.180E-20	0.	0.	0.	0.	0.	1.000E+03	
0.	2.885E-21	2.482E-01	2.402E-20	0.	0.	0.	0.	0.	1.100E+03	
0.	2.218E-19	2.490E-01	2.587E-20	0.	0.	0.	0.	0.	1.200E+03	
0.	8.801E-18	2.495E-01	2.713E-20	0.	0.	0.	0.	0.	1.300E+03	
0.	3.203E-15	2.497E-01	2.786E-20	1.504E-31	0.	0.	0.	0.	1.400E+03	
0.	3.524E-14	2.498E-01	2.815E-20	1.311E-30	0.	0.	0.	0.	1.500E+03	
8.409E-34	3.524E-14	2.498E-01	2.809E-20	8.637E-30	0.	0.	0.	0.	1.600E+03	
1.357E-30	2.929E-13	2.498E-01	2.776E-20	4.518E-29	0.	0.	0.	0.	1.700E+03	
9.342E-28	1.924E-12	2.498E-01	2.725E-20	1.952E-28	0.	0.	0.	0.	1.800E+03	
3.260E-25	1.040E-11	2.499E-01	2.662E-20	7.147E-28	0.	0.	0.	0.	1.900E+03	
2.276E-23	4.746E-11	2.499E-01	2.635E-20	2.350E-27	0.	0.	0.	0.	2.000E+03	
4.144E-21	1.876E-10	2.499E-01	4.598E-20	1.209E-26	8.235E-29	0.	0.	0.	2.100E+03	
5.943E-20	6.552E-10	2.499E-01	2.416E-19	1.698E-25	2.881E-27	0.	0.	0.	2.200E+03	
5.179E-19	4.553E-09	2.454E-01	2.454E-19	2.482E-24	5.580E-26	0.	0.	0.	2.300E+03	
3.627E-18	5.852E-09	2.498E-01	7.661E-19	3.009E-23	8.205E-25	0.	0.	0.	2.400E+03	
2.162E-17	1.535E-08	2.497E-01	3.540E-17	3.007E-22	4.675E-24	0.	0.	0.	2.500E+03	
1.121E-16	3.739E-08	2.495E-01	1.498E-16	2.524E-21	9.419E-23	0.	0.	0.	2.600E+03	
5.134E-16	8.524E-08	2.493E-01	5.832E-16	1.812E-20	7.738E-22	0.	0.	0.	2.700E+03	
2.110E-15	1.835E-07	2.490E-01	1.936E-15	1.132E-19	5.463E-21	0.	0.	0.	2.800E+03	
7.899E-15	3.744E-07	2.487E-01	6.042E-15	6.244E-19	3.305E-20	0.	0.	0.	2.900E+03	
2.670E-14	7.286E-07	2.482E-01	1.779E-14	3.078E-18	1.834E-19	0.	0.	0.	3.000E+03	
8.378E-14	1.358E-06	2.478E-01	4.861E-14	1.371E-17	8.949E-19	0.	0.	0.	3.100E+03	
2.441E-13	2.435E-06	2.464E-01	1.249E-13	5.549E-17	3.950E-18	0.	0.	0.	3.200E+03	
6.653E-13	4.213E-06	2.459E-01	3.036E-13	2.081E-16	1.590E-17	0.	0.	0.	3.300E+03	
1.705E-12	7.057E-06	2.447E-01	7.012E-13	7.205E-16	5.887E-17	0.	0.	0.	3.400E+03	
4.126E-12	1.147E-05	2.434E-01	1.546E-12	2.327E-15	2.018E-16	0.	0.	0.	3.500E+03	
9.486E-12	1.815E-05	2.419E-01	3.264E-12	7.050E-15	6.448E-16	0.	0.	0.	3.600E+03	
2.077E-11	2.800E-05	2.401E-01	6.626E-12	2.014E-14	1.930E-15	0.	0.	0.	3.700E+03	
4.349E-11	4.219E-05	2.380E-01	1.297E-11	5.457E-14	5.442E-15	0.	0.	0.	3.800E+03	
8.734E-11	6.222E-05	2.357E-01	2.455E-11	1.404E-13	1.451E-14	0.	0.	0.	3.900E+03	
1.647E-10	8.993E-05	2.331E-01	4.505E-11	3.454E-13	3.676E-14	0.	0.	0.	4.000E+03	
3.142E-10	1.276E-04	2.303E-01	8.030E-11	8.141E-13	8.873E-14	0.	0.	0.	4.100E+03	
5.654E-10	1.779E-04	2.272E-01	1.393E-10	1.844E-12	2.048E-13	0.	0.	0.	4.200E+03	
9.855E-10	7.441E-04	2.239E-01	2.359E-10	4.027E-12	4.535E-13	0.	0.	0.	4.300E+03	
1.766E-09	3.294E-04	2.203E-01	3.900E-10	8.498E-12	9.558E-13	0.	0.	0.	4.400E+03	
2.739E-09	4.395E-04	2.166E-01	6.312E-10	1.737E-11	1.980E-12	0.	0.	0.	4.500E+03	
4.381E-09	5.779E-04	2.127E-01	1.001E-09	3.446E-11	3.926E-12	0.	0.	0.	4.600E+03	
6.833E-09	7.506E-04	2.086E-01	1.558E-09	6.651E-11	7.535E-12	0.	0.	0.	4.700E+03	
1.040E-08	9.638E-04	2.045E-01	2.383E-09	1.251E-10	1.404E-11	0.	0.	0.	4.800E+03	
1.548E-08	1.224E-03	2.003E-01	3.586E-09	2.294E-10	2.558E-11	0.	0.	0.	4.900E+03	
2.244E-08	1.540E-03	1.960E-01	5.315E-09	4.119E-10	4.510E-11	0.	0.	0.	5.000E+03	
3.201E-08	2.069E-03	1.876E-01	1.120E-08	1.245E-09	1.308E-10	0.	0.	0.	5.200E+03	
4.536E-08	3.026E-03	1.795E-01	2.245E-08	3.493E-09	3.446E-10	0.	0.	0.	5.400E+03	
1.454E-07	4.099E-03	1.718E-01	4.309E-08	9.158E-09	8.512E-10	0.	0.	0.	5.600E+03	
2.391E-07	7.188E-03	1.646E-01	7.954E-08	2.261E-08	1.950E-09	0.	0.	0.	5.800E+03	
3.740E-07	9.904E-03	1.580E-01	1.417E-07	5.283E-08	4.270E-09	0.	0.	0.	6.000E+03	
5.605E-07	1.337E-02	1.517E-01	2.442E-07	1.174E-07	8.565E-09	1.707E-25	0.	0.	6.200E+03	
8.093E-07	1.773E-02	1.457E-01	4.074E-07	2.440E-07	1.682E-08	1.402E-24	0.	0.	6.400E+03	
1.132E-06	2.302E-02	1.398E-01	6.608E-07	5.056E-07	3.085E-08	1.018E-23	0.	0.	6.600E+03	
1.539E-06	2.943E-02	1.339E-01	1.039E-06	9.852E-07	5.496E-08	6.600E-23	0.	0.	6.800E+03	
2.044E-06	3.703E-02	1.277E-01	1.587E-06	1.846E-06	9.429E-08	3.849E-22	0.	0.	7.000E+03	
2.658E-06	4.586E-02	1.212E-01	2.354E-06	3.335E-06	1.562E-07	2.034E-21	0.	0.	7.200E+03	
3.393E-06	5.590E-02	1.143E-01	3.354E-06	5.817E-06	2.504E-07	9.802E-21	0.	0.	7.400E+03	
4.261E-06	6.713E-02	1.069E-01	4.753E-06	8.810E-06	3.891E-07	4.333E-20	0.	0.	7.600E+03	
5.273E-06	7.963E-02	9.916E-02	6.471E-06	1.602E-05	5.87E-07	1.767E-19	0.	0.	7.800E+03	
6.440E-06	9.261E-02	9.103E-02	8.564E-06	2.538E-05	8.624E-07	8.676E-19	0.	0.	8.000E+03	
7.775E-06	1.064E-01	8.265E-02	1.102E-05	3.905E-05	1.233E-06	2.344E-18	0.	0.	8.200E+03	
9.283E-06	1.206E-01	7.417E-02	1.388E-05	5.842E-05	1.718E-06	7.730E-18	0.	0.	8.400E+03	
1.098E-05	1.348E-01	6.575E-02	1.683E-05	8.510E-05	2.338E-06	2.389E-17	0.	0.	8.600E+03	
1.287E-05	1.488E-01	5.758E-02	1.999E-05	1.209E-04	3.104E-06	6.960E-17	0.	0.	8.800E+03	
1.496E-05	1.619E-01	4.982E-02	2.317E-05	1.677E-04	4.038E-06	1.919E-16	0.	0.	9.000E+03	
1.726E-05	1.742E-01	4.262E-02	2.624E-05	2.276E-04	5.135E-06	5.026E-16	0.	0.	9.200E+03	
1.978E-05	1.854E-01	3.608E-02	2.910E-05	3.025E-04	6.410E-06	1.255E-15	0.	0.	9.400E+03	
2.252E-05	1.953E-01	3.028E-02	3.185E-05	3.946E-04	7.860E-06	2.997E-15	0.	0.	9.600E+03	
2.544E-05	2.039E-01	2.522E-02	3.386E-05	5.060E-04	9.482E-06	6.870E-15	0.	0.	9.800E+03	
2.870E-05	2.113E-01	2.088E-02	3.555E-05	6.388E-04	1.127E-05	1.516E-14	0.	0.	1.000E+04	
3.247E-05	2.173E-01	1.683E-02	3.670E-05	1.706E-03	2.249E-05	4.926E-14	0.	0.	1.100E+04	
3.681E-05	2.219E-01	1.290E-02	3.746E-05	2.191E-03	3.691E-05	6.852E-14	0.	0.	1.200E+04	
4.182E-05	2.252E-01	9.04E-03	3.790E-05	2.757E-03	5.344E-05	9.732E-14	0.	0.	1.300E+04	
4.755E-05	2.272E-01	6.45E-03	3.822E-05	3.484E-03	7.302E-05	7.765E-14	5.408E-24	0.	1.400E+04	
5.395E-05	2.173E-01	4.808E-03	3.822E-05	4.358E-03	9.569E-05	4.715E-09	3.454E-22	0.	1.500E+04	
6.105E-05	2.029E-01	3.397E-03	3.794E-05	5.374E-03	9.707E-05	7.297E-09	1.742E-20	0.	1.600E+04	
6.895E-05	1.854E-01	2.403E-03	3.746E-05	6.585E-03	2.714E-04	9.284E-09	3.4467E-19	0.	1.700E+04	
7.868E-05	1.654E-01	1.622E-03	3.622E-05	7.985E-03	2.736E-04	1.029E-04	4.392E-18	0.	1.800E+04	
9.051E-05	1.424E-01	1.041E-03	3.466E-05	9.686E-03	4.076E-04	1.023E-04	3.274E-07	4.392E-18	0.	1.900E+04
1.051E-04	1.162E-01	6.64E-04	3.276E-05	1.166E-02	5.586E-04	9.836E-05	9.8887E-17	0.	1.99E+04	
1.227E-04	9.226E-02	4.26E-04	3.044E-05	1.423E-02	7.234E-04	8.498E-05	2.687E-08	9.736E-16	0.	2.000E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
2.100E+04	2.579E-01	7.183E-14	7.550E-10	4.599E-05	7.521E-15	3.813E-01	3.910E-05	1.892E-04	1.74E-01
2.200E+04	2.944E-01	2.345E-14	3.252E-10	2.766E-04	2.294E-15	3.269E-01	2.366E-05	1.882E-04	2.019E-01
2.300E+04	3.275E-01	7.359E-15	1.358E-10	1.621E-05	4.735E-16	2.770E-01	1.395E-05	1.461E-04	2.271E-01
2.400E+04	3.564E-01	2.247E-15	5.546E-11	9.335E-06	1.930E-16	2.327E-01	8.077E-06	1.196E-04	2.498E-01
2.500E+04	3.809E-01	6.770E-16	2.241E-11	5.319E-06	5.480E-17	1.946E-01	4.625E-06	9.689E-05	2.595E-01
2.600E+04	4.013E-01	2.040E-16	9.055E-12	3.023E-06	1.563E-17	1.626E-01	2.677E-06	7.714E-05	2.863E-01
2.700E+04	4.181E-01	6.218E-17	3.690E-12	1.724E-06	4.528E-18	1.361E-01	1.507E-06	6.072E-05	3.022E-01
2.800E+04	4.317E-01	1.936E-17	1.528E-12	9.919E-07	1.345E-18	1.145E-01	8.470E-07	4.750E-05	3.116E-01
2.900E+04	4.429E-01	6.201E-18	6.456E-13	5.773E-07	4.121E-19	9.891E-02	5.045E-07	3.707E-05	3.209E-01
3.000E+04	4.520E-01	2.051E-18	2.794E-13	3.404E-07	1.306E-19	8.261E-02	2.978E-07	2.896E-05	3.283E-01
3.100E+04	4.596E-01	7.020E-19	1.240E-13	2.038E-07	4.285E-20	7.097E-02	1.786E-07	2.270E-05	3.343E-01
3.200E+04	4.661E-01	2.488E-19	5.646E-14	1.237E-07	1.455E-20	6.146E-02	1.089E-07	1.787E-05	3.389E-01
3.300E+04	4.718E-01	9.124E-20	2.633E-14	7.611E-08	5.096E-21	5.366E-02	6.759E-08	1.415E-05	3.425E-01
3.400E+04	4.770E-01	3.455E-20	1.256E-14	4.736E-08	1.836E-21	4.716E-02	4.269E-08	1.127E-05	3.451E-01
3.500E+04	4.819E-01	1.348E-20	6.116E-15	2.976E-08	6.775E-22	4.176E-02	2.742E-08	9.032E-06	3.468E-01
3.600E+04	4.867E-01	5.402E-21	3.032E-15	1.885E-08	2.550E-22	3.721E-02	1.791E-08	7.283E-06	3.478E-01
3.700E+04	4.914E-01	2.217E-21	1.526E-15	1.201E-08	9.742E-23	3.376E-02	1.189E-08	5.910E-06	3.480E-01
3.800E+04	4.962E-01	9.298E-22	7.784E-16	7.677E-09	3.764E-23	3.007E-02	8.010E-09	4.824E-06	3.478E-01
3.900E+04	5.010E-01	3.973E-22	4.015E-16	4.920E-09	1.486E-23	2.725E-02	5.476E-09	3.962E-06	3.462E-01
4.000E+04	5.058E-01	1.746E-22	2.090E-16	3.157E-09	5.739E-24	2.480E-02	3.795E-09	3.273E-06	3.458E-01
4.100E+04	5.105E-01	7.616E-23	1.097E-16	2.027E-09	2.266E-24	2.266E-02	2.665E-09	2.719E-06	3.448E-01
4.200E+04	5.151E-01	3.409E-23	5.807E-17	1.302E-09	8.895E-25	2.079E-02	1.894E-09	2.273E-06	3.429E-01
4.300E+04	5.195E-01	1.547E-23	3.096E-17	8.366E-10	3.521E-25	1.914E-02	1.363E-09	1.911E-06	3.411E-01
4.400E+04	5.233E-01	7.118E-24	1.663E-17	5.383E-10	1.400E-25	1.768E-02	9.912E-10	1.616E-06	3.397E-01
4.500E+04	5.273E-01	3.321E-24	9.011E-18	3.471E-10	5.603E-26	1.638E-02	7.287E-10	1.374E-06	3.375E-01
4.600E+04	5.307E-01	1.571E-24	4.920E-18	2.244E-10	2.259E-26	1.522E-02	5.412E-10	1.174E-06	3.367E-01
4.700E+04	5.338E-01	7.942E-25	2.719E-18	1.456E-10	9.188E-27	1.417E-02	4.007E-10	1.009E-06	3.355E-01
4.800E+04	5.366E-01	3.873E-25	1.516E-18	9.488E-11	3.777E-27	1.323E-02	3.071E-10	8.715E-07	3.343E-01
4.900E+04	5.392E-01	1.815E-25	8.530E-19	6.213E-11	1.570E-27	1.239E-02	2.345E-10	7.563E-07	3.332E-01
5.000E+04	5.416E-01	9.095E-26	4.849E-19	4.389E-11	6.605E-28	1.161E-02	1.805E-10	6.592E-07	3.322E-01

1/100 1.00E+05

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H+
4.000E+02	0.	7.314E-01	1.430E-20	4.747E-24	7.384E-24	7.149E-02	2.315E-11	1.457E-16	9.798E-22
4.100E+02	0.	4.215E-01	3.379E-20	5.213E-24	1.900E-24	7.367E-02	4.330E-11	1.149E-16	2.747E-21
4.200E+02	0.	1.409E-01	6.375E-20	4.374E-24	2.921E-24	1.300E-02	4.437E-11	4.887E-16	4.476E-21
4.300E+02	0.	7.394E-02	1.279E-20	1.272E-24	1.100E-24	7.676E-03	4.368E-11	8.493E-16	1.355E-20
4.400E+02	0.	3.071E-02	4.142E-21	7.044E-24	1.067E-24	4.389E-03	7.774E-11	4.378E-16	7.498E-20
4.500E+02	0.	1.452E-02	3.776E-21	2.744E-24	1.713E-24	1.053E-03	7.391E-11	7.942E-16	4.606E-20
4.600E+02	0.	7.843E-03	2.247E-21	1.074E-24	1.661E-24	2.779E-03	7.441E-11	7.448E-16	4.807E-20
4.700E+02	0.	4.183E-03	9.877E-22	2.064E-24	1.278E-24	1.278E-03	7.468E-11	7.468E-16	9.017E-20
4.800E+02	0.	2.572E-03	4.445E-22	2.617E-24	5.306E-24	4.563E-03	7.479E-11	7.479E-16	1.794E-19
4.900E+02	0.	2.054E-03	1.034E-22	7.737E-24	2.345E-24	4.056E-03	7.489E-11	7.489E-16	3.677E-19
5.000E+03	0.	1.472E-03	2.533E-23	1.561E-24	6.442E-24	1.522E-03	7.490E-11	7.490E-16	1.049E-19
5.100E+03	0.	1.138E-03	6.097E-24	8.097E-24	1.941E-24	4.701E-03	7.490E-11	7.490E-16	2.553E-19
5.200E+03	0.	8.534E-04	1.153E-24	3.446E-24	4.345E-24	1.274E-03	7.491E-11	7.491E-16	2.697E-19
5.300E+03	0.	6.482E-04	2.199E-24	1.788E-24	1.782E-24	1.172E-03	7.491E-11	7.491E-16	3.777E-19
5.400E+03	0.	5.557E-04	7.449E-24	4.049E-24	2.727E-24	8.981E-04	7.491E-11	7.491E-16	3.377E-19
5.500E+03	0.	4.737E-04	2.645E-24	2.181E-24	4.854E-24	7.648E-04	7.491E-11	7.491E-16	3.400E-19
5.600E+03	0.	4.074E-04	1.074E-24	2.962E-24	8.303E-24	2.693E-04	7.491E-11	7.491E-16	4.988E-19
5.700E+03	0.	3.576E-04	1.556E-24	6.496E-24	1.647E-24	4.489E-04	7.491E-11	7.491E-16	3.819E-19
5.800E+03	0.	3.082E-04	2.241E-24	3.533E-24	2.889E-24	8.389E-04	7.491E-11	7.491E-16	2.482E-19
5.900E+03	0.	2.616E-04	3.25E-24	4.767E-24	3.867E-24	1.376E-03	7.491E-11	7.491E-16	1.473E-19
6.000E+03	0.	2.245E-04	4.446E-24	6.099E-24	4.891E-24	2.173E-03	7.491E-11	7.491E-16	7.946E-19
6.100E+03	0.	1.939E-04	5.724E-24	7.733E-24	6.662E-24	3.311E-03	7.491E-11	7.491E-16	1.567E-18
6.200E+03	0.	1.683E-04	7.096E-24	9.974E-24	8.866E-24	4.806E-03	7.491E-11	7.491E-16	4.889E-18
6.300E+03	0.	1.471E-04	8.537E-24	1.279E-23	1.174E-23	6.561E-03	7.491E-11	7.491E-16	4.888E-18
6.400E+03	0.	1.295E-04	1.017E-23	1.653E-23	1.536E-23	8.781E-03	7.491E-11	7.491E-16	4.888E-18
6.500E+03	0.	1.158E-04	1.237E-23	2.136E-23	2.036E-23	1.183E-02	7.491E-11	7.491E-16	4.888E-18
6.600E+03	0.	1.059E-04	1.524E-23	2.837E-23	2.747E-23	1.617E-02	7.491E-11	7.491E-16	4.888E-18
6.700E+03	0.	9.84E-05	1.874E-23	3.773E-23	3.637E-23	2.236E-02	7.491E-11	7.491E-16	4.888E-18
6.800E+03	0.	9.27E-05	2.347E-23	4.997E-23	4.847E-23	3.047E-02	7.491E-11	7.491E-16	4.888E-18
6.900E+03	0.	8.86E-05	2.947E-23	6.667E-23	6.497E-23	4.137E-02	7.491E-11	7.491E-16	4.888E-18
7.000E+03	0.	8.56E-05	3.687E-23	8.857E-23	8.857E-23	5.507E-02	7.491E-11	7.491E-16	4.888E-18
7.100E+03	0.	8.34E-05	4.587E-23	1.173E-22	1.173E-22	7.267E-02	7.491E-11	7.491E-16	4.888E-18
7.200E+03	0.	8.19E-05	5.657E-23	1.573E-22	1.573E-22	9.497E-02	7.491E-11	7.491E-16	4.888E-18
7.300E+03	0.	8.11E-05	6.917E-23	2.107E-22	2.107E-22	1.267E-01	7.491E-11	7.491E-16	4.888E-18
7.400E+03	0.	8.08E-05	8.387E-23	2.837E-22	2.837E-22	1.697E-01	7.491E-11	7.491E-16	4.888E-18
7.500E+03	0.	8.09E-05	1.017E-22	3.837E-22	3.837E-22	2.287E-01	7.491E-11	7.491E-16	4.888E-18
7.600E+03	0.	8.14E-05	1.237E-22	5.177E-22	5.177E-22	3.097E-01	7.491E-11	7.491E-16	4.888E-18
7.700E+03	0.	8.23E-05	1.507E-22	6.917E-22	6.917E-22	4.137E-01	7.491E-11	7.491E-16	4.888E-18
7.800E+03	0.	8.36E-05	1.837E-22	9.177E-22	9.177E-22	5.497E-01	7.491E-11	7.491E-16	4.888E-18
7.900E+03	0.	8.53E-05	2.237E-22	1.237E-21	1.237E-21	7.307E-01	7.491E-11	7.491E-16	4.888E-18
8.000E+03	0.	8.74E-05	2.737E-22	1.677E-21	1.677E-21	9.697E-01	7.491E-11	7.491E-16	4.888E-18
8.100E+03	0.	9.00E-05	3.337E-22	2.237E-21	2.237E-21	1.297E-01	7.491E-11	7.491E-16	4.888E-18
8.200E+03	0.	9.31E-05	4.037E-22	2.937E-21	2.937E-21	1.757E-01	7.491E-11	7.491E-16	4.888E-18
8.300E+03	0.	9.67E-05	4.837E-22	3.737E-21	3.737E-21	2.357E-01	7.491E-11	7.491E-16	4.888E-18
8.400E+03	0.	1.007E-04	5.737E-22	4.737E-21	4.737E-21	3.157E-01	7.491E-11	7.491E-16	4.888E-18
8.500E+03	0.	1.057E-04	6.837E-22	5.837E-21	5.837E-21	4.257E-01	7.491E-11	7.491E-16	4.888E-18
8.600E+03	0.	1.117E-04	8.137E-22	7.137E-21	7.137E-21	5.657E-01	7.491E-11	7.491E-16	4.888E-18
8.700E+03	0.	1.187E-04	9.637E-22	8.637E-21	8.637E-21	7.457E-01	7.491E-11	7.491E-16	4.888E-18
8.800E+03	0.	1.267E-04	1.1337E-21	1.0337E-20	1.0337E-20	9.957E-01	7.491E-11	7.491E-16	4.888E-18
8.900E+03	0.	1.357E-04	1.3337E-21	1.2337E-20	1.2337E-20	1.337E-01	7.491E-11	7.491E-16	4.888E-18
9.000E+03	0.	1.457E-04	1.5737E-21	1.4737E-20	1.4737E-20	1.817E-01	7.491E-11	7.491E-16	4.888E-18

TABLE II. - Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N****	T
1.471E-04	1.023E-01	4.507E-06	6.155E-06	8.313E-02	7.164E-05	6.881E-06	8.707E-15	0.	2.100F+04
1.225E-04	6.385E-02	2.233E-C6	4.228E-06	9.248E-C2	5.788E-05	1.532F-05	6.542E-14	0.	2.200F+04
9.846E-05	6.782E-02	1.304E-C6	7.839E-06	1.003E-01	4.515E-05	3.277E-05	4.226E-13	0.	2.300F+04
7.691E-05	5.442E-02	5.254E-07	1.878E-06	1.084E-01	3.438E-05	6.604E-05	2.391E-12	0.	2.400F+04
5.884E-05	4.353E-02	2.562E-07	1.233E-06	1.111E-01	2.572E-05	1.263E-04	1.203E-11	0.	2.500F+04
4.442E-05	3.485E-02	1.264E-07	8.090E-07	1.146E-01	1.905E-05	2.309E-04	5.453E-11	0.	2.600F+04
3.331E-05	2.802E-02	6.341E-08	5.330E-07	1.171E-01	1.406E-05	4.354E-04	7.247E-10	0.	2.700F+04
2.490E-05	2.268E-02	3.244E-08	3.538E-07	1.187E-01	1.038E-05	6.861E-04	8.490E-10	0.	2.800F+04
1.877E-05	1.844E-02	1.695E-C8	2.371E-C7	1.197E-01	7.732E-06	1.123E-03	2.962E-09	0.	2.900F+04
1.422E-05	1.515E-02	9.040E-09	1.603E-07	1.201E-01	5.746E-06	1.782E-03	9.597E-09	0.	3.000F+04
1.088E-05	1.251E-02	4.918E-09	1.094E-07	1.198E-01	4.316E-06	2.745E-03	2.901E-08	0.	3.100F+04
8.435E-06	1.040E-02	2.723E-09	7.517E-08	1.190E-01	3.244E-06	4.111E-03	8.218F-08	0.	3.200F+04
6.266E-06	8.677E-03	1.524E-C9	5.188E-08	1.174E-01	2.483E-06	5.987F-03	2.188E-07	0.	3.300F+04
5.281E-06	7.260E-03	8.681E-10	3.585E-C8	1.150E-01	1.898E-06	8.484E-03	5.488E-07	0.	3.400F+04
4.473E-06	6.074F-03	4.983E-10	2.472E-C8	1.117E-01	1.455E-06	1.170E-02	1.301E-06	4.475E-14	3.500F+04
3.804E-06	5.083E-03	2.846E-10	1.697F-08	1.076E-01	1.118E-06	1.569E-02	2.917E-06	2.151F-13	3.600F+04
3.244E-06	4.237E-03	1.630E-10	1.154E-08	1.024E-01	8.545E-07	2.048E-02	6.203E-06	5.263F-13	3.700F+04
2.771E-06	3.515E-03	9.302E-11	7.754E-09	9.642E-02	6.881E-07	2.600F-02	1.253E-05	3.672E-12	3.800F+04
2.415E-06	2.894E-03	5.272E-11	5.147E-09	8.969E-02	5.330E-07	3.214E-02	2.411E-05	1.342E-11	3.900F+04
1.833E-06	2.373E-03	2.962E-11	3.364E-09	8.241E-02	3.872E-07	3.872E-02	4.430E-05	4.540E-11	4.000F+04
1.405E-06	1.929E-03	1.649E-11	2.166E-09	7.446E-02	2.894E-07	4.552E-02	7.792E-05	1.428F-10	4.100F+04
1.019E-06	1.554E-03	8.996E-12	1.375E-09	6.773E-02	2.184E-07	5.251E-02	1.317E-04	4.224F-10	4.200F+04
7.266E-07	1.248E-03	4.975E-12	8.622E-10	5.979E-02	1.638E-07	5.888E-C2	2.144E-C4	1.163F-09	4.300F+04
1.137E-06	9.944E-04	2.703E-12	5.347E-10	5.273E-02	1.224E-07	6.506E-02	3.378E-C4	7.241F-09	4.400F+04
1.129E-06	7.894E-04	1.462E-12	3.288E-10	4.617E-02	9.110F-08	7.070E-02	5.157E-04	7.545E-09	4.500F+04
9.356E-07	6.237E-04	7.882F-13	2.039E-10	4.020E-02	6.788E-08	7.573E-02	7.662E-04	1.787E-08	4.600F+04
8.553E-07	4.917E-04	4.247E-13	1.223E-10	3.485E-02	5.021E-08	8.310E-02	1.110E-03	4.051F-08	4.700F+04
7.854E-07	3.870E-04	2.241E-13	7.427E-11	3.011F-02	3.724E-08	8.377E-02	1.573F-03	8.870F-08	4.800F+04
7.243E-07	3.043E-04	1.238E-13	4.538E-11	2.595E-02	2.783E-08	8.674E-02	2.182E-03	1.850F-07	4.900F+04
6.694E-07	2.392E-04	6.719E-14	2.734E-11	2.231E-02	2.053F-08	8.9C7F-02	2.946E-03	7.748F-07	5.000F+04

PPD = 1.30E+02

M-	N	N2	N2+	N+	N-	N++	N+++	N****	T
0.	0.	6.715E-02	6.982E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.446E-01	1.031E-20	0.	0.	0.	0.	0.	6.000F+02
0.	0.	2.048E-01	1.290E-20	0.	0.	0.	0.	0.	7.000E+02
0.	6.759E-10	2.323E-01	1.573E-20	0.	0.	0.	0.	0.	8.000F+02
0.	2.523E-20	2.463E-01	1.879E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.478E-20	2.686E-01	2.184E-20	0.	0.	0.	0.	0.	1.000F+03
0.	2.717E-21	2.808E-01	2.414E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.102E-19	2.988E-01	2.604E-20	0.	0.	0.	0.	0.	1.200E+03
0.	6.348E-18	2.493E-01	2.736E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.464E-16	2.495E-01	2.818E-20	0.	0.	0.	0.	0.	1.400E+03
0.	3.633E-15	2.496E-01	2.851E-20	1.263F-10	0.	0.	0.	0.	1.500E+03
0.	3.343E-14	2.497E-01	2.885E-20	6.317E-10	0.	0.	0.	0.	1.600E+03
0.	2.778E-13	2.498E-01	2.926E-20	4.340E-09	0.	0.	0.	0.	1.700E+03
0.	1.827E-12	2.499E-01	2.777E-20	1.888E-08	0.	0.	0.	0.	1.800E+03
0.	9.863E-12	2.499E-01	2.718E-20	6.963E-28	7.887E-16	0.	0.	0.	1.900F+03
0.	4.832E-11	2.499E-01	2.691E-20	2.278E-27	0.	0.	0.	0.	2.000E+03
0.	4.012E-11	2.499E-01	6.528E-20	1.124E-26	7.933E-24	0.	0.	0.	2.100F+03
0.	5.465E-10	2.499E-01	2.331E-19	1.556E-25	2.814E-27	0.	0.	0.	2.200E+03
0.	5.105E-10	2.498E-01	1.385E-18	2.266F-24	5.501E-26	0.	0.	0.	2.300E+03
0.	5.975E-18	2.498E-01	7.377E-18	2.748E-23	6.087E-25	0.	0.	0.	2.400E+03
0.	2.124E-17	2.498E-01	3.658E-17	2.748E-22	5.525E-24	0.	0.	0.	2.500F+03
0.	1.176E-16	2.497E-01	1.644E-16	2.507E-21	5.272E-23	0.	0.	0.	2.600E+03
0.	5.077E-16	2.497E-01	5.431E-16	1.658E-20	7.616E-22	0.	0.	0.	2.700E+03
0.	2.076E-15	2.497E-01	1.802E-15	1.037E-19	5.373E-21	0.	0.	0.	2.800F+03
0.	7.717E-15	2.497E-01	5.872E-15	5.194E-19	3.308E-20	0.	0.	0.	2.900F+03
0.	2.624E-14	2.497E-01	5.718E-14	2.6 (-10	1.803E-19	0.	0.	0.	3.000F+03
0.	2.232E-14	2.477E-01	4.647E-14	1.25 (-17	6.792E-19	0.	0.	0.	3.100E+03
0.	4.399E-14	2.478E-01	1.208E-13	5.10E (-17	3.880E-18	0.	0.	0.	3.200E+03
0.	4.537E-13	2.461E-01	2.937E-13	1.909E-16	1.562E-17	0.	0.	0.	3.300E+03
0.	1.675E-12	2.450E-01	6.786E-13	6.611E-16	5.780E-17	0.	0.	0.	3.400E+03
0.	4.078E-12	2.43 (-01	1.494E-12	2.78E-15	1.982E-16	0.	0.	0.	3.500E+03
0.	7.125E-11	2.422E-01	3.611E-12	6.73E-15	6.331E-16	0.	0.	0.	3.600F+03
0.	2.294E-11	2.405E-01	6.420E-12	1.890E-14	1.696E-14	0.	0.	0.	3.700E+03
0.	6.279E-11	2.388E-01	1.257E-11	5.009E-14	5.345E-15	0.	0.	0.	3.800E+03
0.	8.999E-11	2.369E-01	2.381E-11	1.240E-13	1.626E-14	0.	0.	0.	3.900E+03
0.	1.862E-10	2.354E-01	4.370E-11	3.178F-13	3.812E-14	0.	0.	0.	4.000E+03
0.	3.099E-10	2.312E-01	7.794E-11	4.81E-12	8.724E-14	0.	0.	0.	4.100F+03
0.	5.983E-10	2.282E-01	1.393E-10	1.655E-11	2.715E-13	0.	0.	0.	4.200F+03
0.	9.743E-10	2.250F 01	2.291E-10	3.701E-12	4.464E-13	0.	0.	0.	4.300F+03
0.	1.650E-09	2.214E-01	3.790E-10	7.810E-12	6.512E-13	0.	0.	0.	4.400E+03
0.	2.716E-09	2.180E-01	6.139E-10	1.556E-11	1.954E-12	0.	0.	0.	4.500E+03
0.	4.552E-09	2.142E-01	9.732E-10	3.187E-11	3.872E-12	0.	0.	0.	4.600E+03
0.	8.800E-09	2.103E-01	1.515E-09	6.111E-11	7.447E-12	0.	0.	0.	4.700F+03
0.	1.357E-08	2.062E-01	2.317E-09	1.144E-10	1.388E-11	0.	0.	0.	4.800F+03

TABLE II.- Continued

T	E-	NM3	NM2	NM1	N2M2	M	M2	M2+	M+
4.300E+33	7.554E-37	3.057E-05	1.077E-04	1.022E-33	4.870E-04	7.777E-37	4.227E-31	2.979E-09	1.788E-07
5.000E+03	2.727E-37	2.635E-05	1.027E-04	1.154E-03	4.917E-04	4.263E-01	3.957E-01	4.178E-04	2.650E-07
5.200E+03	4.714E-37	1.994E-05	1.007E-04	1.471E-03	5.374E-04	4.679E-01	3.407E-01	7.872E-04	4.609E-07
5.400E+03	4.743E-37	1.466E-05	9.574E-05	1.722E-03	4.977E-04	4.242E-01	2.897E-01	1.750E-07	8.777E-07
5.600E+03	7.554E-37	1.046E-05	8.934E-05	2.017E-03	4.790E-04	4.777E-01	3.410E-01	2.767E-07	1.886E-04
5.800E+03	2.767E-36	7.624E-06	9.117E-05	2.309E-03	4.509E-04	4.242E-01	2.000E-01	3.551E-07	2.777E-04
6.000E+03	5.027E-36	5.397E-06	7.271E-05	2.590E-03	4.164E-04	4.447E-01	1.814E-01	4.744E-07	5.478E-04
6.200E+03	4.615E-36	7.797E-06	6.432E-05	2.857E-03	3.791E-04	4.979E-01	1.534E-01	7.677E-07	3.677E-04
6.400E+03	1.244E-35	2.654E-06	5.635E-05	3.166E-03	3.408E-04	7.244E-01	1.087E-01	1.769E-04	1.709E-01
6.600E+03	7.976E-35	7.867E-06	4.907E-05	3.375E-03	3.034E-04	7.454E-01	8.774E-02	1.444E-04	1.842E-05
6.800E+03	7.753E-35	1.374E-06	4.277E-05	3.567E-03	2.679E-04	7.616E-01	7.118E-02	1.174E-04	1.707E-05
7.000E+03	4.311E-35	9.417E-07	3.649E-05	3.777E-03	2.347E-04	7.736E-01	5.749E-02	7.447E-04	3.977E-05
7.200E+03	6.175E-35	6.514E-07	3.132E-05	3.971E-03	2.041E-04	7.827E-01	4.724E-02	3.744E-04	5.479E-05
7.400E+03	4.472E-35	4.674E-07	2.640E-05	4.093E-03	1.762E-04	7.877E-01	3.877E-02	3.497E-04	7.817E-05
7.600E+03	1.197E-34	3.310E-07	2.288E-05	4.082E-03	1.505E-04	7.904E-01	3.187E-02	4.667E-04	1.674E-04
7.800E+03	1.474E-34	2.374E-07	1.957E-05	4.137E-03	1.274E-04	7.917E-01	2.677E-02	5.637E-04	1.624E-04
8.000E+03	2.181E-34	1.711E-07	1.657E-05	4.157E-03	1.079E-04	7.912E-01	2.144E-02	7.144E-04	1.874E-04
8.200E+03	7.144E-34	1.237E-07	1.475E-05	4.147E-03	9.207E-05	7.894E-01	1.683E-02	7.497E-04	1.717E-04
8.400E+03	3.765E-34	8.947E-08	1.287E-05	4.124E-03	7.642E-05	7.864E-01	1.244E-02	9.030E-04	1.719E-04
8.600E+03	4.462E-34	6.547E-08	1.098E-05	4.097E-03	6.497E-05	7.812E-01	8.737E-03	1.048E-04	1.944E-04
8.800E+03	8.704E-34	4.787E-08	8.857E-06	3.887E-03	5.497E-05	7.729E-01	6.111E-03	1.199E-04	4.744E-04
9.000E+03	7.948E-34	3.575E-08	7.701E-06	3.763E-03	4.617E-05	7.575E-01	4.514E-03	1.344E-04	6.717E-04
9.200E+03	4.744E-34	2.545E-08	5.854E-06	3.627E-03	3.817E-05	7.371E-01	3.044E-03	1.547E-04	1.647E-04
9.400E+03	1.274E-33	1.812E-08	4.372E-06	3.476E-03	3.007E-05	7.147E-01	2.044E-03	1.735E-04	1.474E-04
9.600E+03	1.474E-33	1.422E-08	3.244E-06	3.327E-03	2.294E-05	6.894E-01	1.414E-03	1.917E-04	1.317E-04
9.800E+03	1.877E-33	1.074E-08	2.412E-06	3.178E-03	1.653E-05	6.611E-01	9.622E-04	2.177E-04	1.174E-04
1.000E+04	7.447E-33	7.447E-09	1.745E-06	2.997E-03	1.070E-05	6.297E-01	6.477E-04	2.477E-04	9.774E-05
1.100E+04	5.141E-33	5.137E-09	1.244E-06	2.797E-03	7.461E-06	5.840E-01	4.377E-04	3.491E-05	1.564E-04
1.200E+04	3.744E-33	3.474E-09	8.344E-07	2.567E-03	5.164E-06	5.349E-01	2.890E-04	4.807E-05	1.174E-04
1.300E+04	1.937E-33	2.218E-09	5.494E-07	2.314E-03	3.612E-06	4.770E-01	1.814E-04	6.440E-05	7.774E-05
1.400E+04	3.744E-33	1.374E-09	3.274E-07	2.047E-03	2.472E-06	4.177E-01	1.074E-04	8.744E-05	5.107E-05
1.500E+04	5.344E-33	8.744E-10	2.070E-07	1.764E-03	1.631E-06	3.577E-01	6.371E-05	1.041E-04	3.250E-05
1.600E+04	7.447E-33	5.474E-10	1.374E-07	1.474E-03	1.071E-06	2.977E-01	4.654E-05	1.174E-04	4.874E-05
1.700E+04	1.374E-32	3.574E-10	9.074E-08	1.174E-03	7.453E-07	2.377E-01	2.837E-05	1.374E-04	6.717E-05
1.800E+04	1.374E-32	2.274E-10	5.955E-08	9.244E-04	5.144E-07	1.777E-01	1.777E-05	1.777E-04	8.147E-05
1.900E+04	1.774E-32	1.774E-10	4.274E-08	8.144E-04	3.612E-07	1.174E-01	1.174E-05	2.774E-04	1.144E-04
2.000E+04	2.117E-32	1.224E-10	2.974E-08	6.554E-04	2.474E-07	6.554E-02	7.447E-06	3.274E-04	1.444E-04
2.100E+04	2.474E-32	1.274E-10	2.074E-08	5.474E-04	1.707E-07	4.744E-02	4.744E-06	3.744E-04	1.444E-04
2.200E+04	2.854E-32	1.374E-10	1.474E-08	4.474E-04	1.174E-07	3.744E-02	3.407E-06	4.474E-04	1.174E-04
2.300E+04	3.274E-32	1.474E-10	1.074E-08	3.474E-04	7.447E-08	2.744E-02	2.474E-06	5.174E-04	9.774E-05
2.400E+04	3.744E-32	1.574E-10	8.144E-09	2.474E-04	5.144E-08	1.744E-02	1.707E-06	5.974E-04	7.447E-05
2.500E+04	4.274E-32	1.674E-10	6.144E-09	1.474E-04	3.474E-08	1.174E-02	1.174E-06	6.774E-04	5.474E-05
2.600E+04	4.744E-32	1.774E-10	4.744E-09	4.744E-05	2.474E-08	7.447E-03	7.447E-07	7.447E-04	4.744E-05
2.700E+04	5.144E-32	1.874E-10	3.474E-09	3.474E-05	1.707E-08	5.144E-03	5.144E-07	8.144E-04	3.474E-05
2.800E+04	5.544E-32	1.974E-10	2.474E-09	2.474E-05	1.174E-08	3.474E-03	3.474E-07	8.974E-04	2.474E-05
2.900E+04	5.944E-32	2.074E-10	1.707E-09	1.707E-05	7.447E-09	2.474E-03	2.474E-07	9.774E-04	1.707E-05
3.000E+04	6.344E-32	2.174E-10	1.244E-09	1.244E-05	5.144E-09	1.707E-03	1.707E-07	1.047E-04	1.244E-05
3.100E+04	6.744E-32	2.274E-10	9.074E-10	9.074E-06	3.474E-09	1.174E-03	1.174E-07	1.144E-04	9.074E-06
3.200E+04	7.144E-32	2.374E-10	6.744E-10	6.744E-06	2.474E-09	7.447E-04	7.447E-08	1.244E-04	6.744E-06
3.300E+04	7.544E-32	2.474E-10	4.744E-10	4.744E-06	1.707E-09	5.144E-04	5.144E-08	1.344E-04	4.744E-06
3.400E+04	7.944E-32	2.574E-10	3.474E-10	3.474E-06	1.174E-09	3.474E-04	3.474E-08	1.444E-04	3.474E-06
3.500E+04	8.344E-32	2.674E-10	2.474E-10	2.474E-06	7.447E-10	2.474E-04	2.474E-08	1.544E-04	2.474E-06
3.600E+04	8.744E-32	2.774E-10	1.707E-10	1.707E-06	5.144E-10	1.707E-04	1.707E-08	1.644E-04	1.707E-06
3.700E+04	9.144E-32	2.874E-10	1.244E-10	1.244E-06	3.474E-10	1.174E-04	1.174E-08	1.744E-04	1.244E-06
3.800E+04	9.544E-32	2.974E-10	9.074E-11	9.074E-07	2.474E-10	7.447E-05	7.447E-09	1.844E-04	9.074E-07
3.900E+04	9.944E-32	3.074E-10	6.744E-11	6.744E-07	1.707E-10	5.144E-05	5.144E-09	1.944E-04	6.744E-07
4.000E+04	1.0344E-31	3.174E-10	4.744E-11	4.744E-07	1.174E-10	3.474E-05	3.474E-09	2.044E-04	4.744E-07
4.100E+04	1.0744E-31	3.274E-10	3.474E-11	3.474E-07	7.447E-11	2.474E-05	2.474E-09	2.144E-04	3.474E-07
4.200E+04	1.1144E-31	3.374E-10	2.474E-11	2.474E-07	5.144E-11	1.707E-05	1.707E-09	2.244E-04	2.474E-07
4.300E+04	1.1544E-31	3.474E-10	1.707E-11	1.707E-07	3.474E-11	1.174E-05	1.174E-09	2.344E-04	1.707E-07
4.400E+04	1.1944E-31	3.574E-10	1.244E-11	1.244E-07	2.474E-11	7.447E-06	7.447E-10	2.444E-04	1.244E-07
4.500E+04	1.2344E-31	3.674E-10	9.074E-12	9.074E-08	1.707E-11	5.144E-06	5.144E-10	2.544E-04	9.074E-08
4.600E+04	1.2744E-31	3.774E-10	6.744E-12	6.744E-08	1.174E-11	3.474E-06	3.474E-10	2.644E-04	6.744E-08
4.700E+04	1.3144E-31	3.874E-10	4.744E-12	4.744E-08	7.447E-12	2.474E-06	2.474E-10	2.744E-04	4.744E-08
4.800E+04	1.3544E-31	3.974E-10	3.474E-12	3.474E-08	5.144E-12	1.707E-06	1.707E-10	2.844E-04	3.474E-08
4.900E+04	1.3944E-31	4.074E-10	2.474E-12	2.474E-08	3.474E-12	1.174E-06	1.174E-10	2.944E-04	2.474E-08
5.000E+04	1.4344E-31	4.174E-10	1.707E-12	1.707E-08	2.474E-12	7.447E-07	7.447E-11	3.044E-04	1.707E-08
5.100E+04	1.4744E-31	4.274E-10	1.244E-12	1.244E-08	1.707E-12	5.144E-07	5.144E-11	3.144E-04	1.244E-08
5.200E+04	1.5144E-31	4.374E-10	9.074E-13	9.074E-09	1.174E-12	3.474E-07	3.474E-11	3.244E-04	9.074E-09
5.300E+04	1.5544E-31	4.474E-10	6.744E-13	6.744E-09	7.447E-13	2.474E-07	2.474E-11	3.344E-04	6.744E-09
5.400E+04	1.5944E-31	4.574E-10	4.744E-13	4.744E-09	5.144E-13	1.707E-07	1.707E-11	3.444E-04	4.744E-09
5.500E+04	1.6344E-31	4.674E-10	3.474E-13	3.474E-09	3.474E-13	1.174E-07	1.174E-11	3.544E-04	3.474E-09
5.600E+04	1.6744E-31	4.774E-10	2.474E-13	2.474E-09	2.474E-13	7.447E-08	7.447E-12	3.644E-04	2.474E-09
5.700E+04	1.7144E-31	4.874E-10	1.707E-13	1.707E-09	1.707E-13	5.144E-08	5.144E-12	3.744E-04	1.707E-09
5.800E+04	1.7544E-31	4.974E-10	1.244E-13	1.244E-09	1.174E-13	3.474E-08	3.474E-12	3.844E-04	1.244E-09
5.900E+04	1.7944E-31	5.074E-10	9.074E-14	9.074E-10	7.447E-14	2.474E-08	2.474E-12	3.944E-04	9.074E-10
6.000E+04	1.8344E-31	5.174E-10	6.744E-14	6.744E-10	5.144E-14	1.707E-08	1.707E-12	4.044E-04	6.744E-10
6.100E+04	1.8744E-31	5.274E-10	4.744E-14	4.744E-10	3.474E-14	1.174E-08	1.174E-12	4.144E-04	4.744E-10
6.200E+04	1.9144E-31	5.374E-10	3.474E-14	3.474E-10	2.474E-14	7.447E-09	7.447E-13	4.244E-04	3.474E-10
6.300E+04	1.9544E-31	5.474E-10	2.474E-14	2.474E-10	1.707E-14	5.144E-09	5.144E-13	4.344E-04	2.474E-10
6.400E+04	1.9944E-31	5.574E-10	1.707E-14	1.707E-10	1.174E-14	3.474E-09	3.474E-13	4.444E-04	1.707E-10
6.500E+04	2.0344E-31	5.674E-10	1.244E-14	1.244E-10	7.447E-15	2.474E-09	2.474E-13	4.544E-04	1.244E-10
6.600E+04	2.0744E-31	5.774E-10	9.074E-15	9.074E-11	5.144E-15	1.707E-09	1.707E-13	4.644E-04	9.074E-11
6.700E+04	2.1144E-31	5.874E-10	6.744E-15	6.744E-11	3.474E-15	1.174E-09	1.174E-13	4.744E-04	6.744E-11
6.800E									

TABLE II. - Continued

M	N	N2	N2*	N*	N-	N**	N***	N****	T
1.547E-08	1.167E-03	2.021E-01	3.487E-09	2.104E-10	2.528E-11	0.	0.	0.	4.900E+03
2.259E-08	1.400E-03	1.979E-01	5.167E-09	3.741E-10	4.468E-11	0.	0.	0.	5.000E+03
4.531E-08	2.259E-03	1.896E-01	1.088E-08	1.142E-09	1.277E-10	0.	0.	0.	5.200E+03
8.454E-08	3.363E-03	1.815E-01	2.180E-08	3.199E-09	3.446E-10	0.	0.	0.	5.400E+03
1.477E-07	4.866E-03	1.737E-01	4.179E-08	8.377E-09	8.476E-10	0.	0.	0.	5.600E+03
2.644E-07	6.865E-03	1.665E-01	7.701E-08	2.065E-08	1.943E-09	0.	0.	0.	5.800E+03
3.841E-07	9.408E-03	1.597E-01	1.370E-07	4.819E-08	4.191E-09	0.	0.	0.	6.000E+03
5.740E-07	1.275E-02	1.536E-01	2.358E-07	1.070E-07	8.555E-09	1.465E-25	0.	0.	6.200E+03
8.374E-07	1.688E-02	1.473E-01	3.934E-07	2.266E-07	1.662E-08	1.217E-24	0.	0.	6.400E+03
1.175E-06	2.196E-02	1.416E-01	6.349E-07	4.597E-07	3.788E-08	8.824E-24	0.	0.	6.600E+03
1.674E-06	2.809E-02	1.354E-01	1.001E-06	8.954E-07	5.536E-08	5.714E-23	0.	0.	6.800E+03
2.133E-06	3.535E-02	1.293E-01	1.530E-06	1.678E-06	8.455E-08	3.331E-22	0.	0.	7.000E+03
2.778E-06	4.379E-02	1.229E-01	2.272E-06	3.032E-06	1.566E-07	1.760E-21	0.	0.	7.200E+03
3.552E-06	5.345E-02	1.161E-01	3.280E-06	5.292E-06	2.516E-07	8.463E-21	0.	0.	7.400E+03
4.466E-06	6.424E-02	1.089E-01	4.604E-06	8.933E-06	3.917E-07	3.753E-20	0.	0.	7.600E+03
5.533E-06	7.615E-02	1.013E-01	6.286E-06	1.461E-05	5.922E-07	1.532E-19	0.	0.	7.800E+03
6.764E-06	8.940E-02	9.322E-01	8.345E-06	2.318E-05	8.711E-07	5.748E-19	0.	0.	8.000E+03
8.171E-06	1.045E-01	8.508E-02	1.079E-05	3.574E-05	1.246E-06	2.044E-18	0.	0.	8.200E+03
9.763E-06	1.166E-01	7.671E-02	1.577E-05	5.359E-05	1.743E-06	6.742E-18	0.	0.	8.400E+03
1.155E-05	1.309E-01	6.835E-02	2.166E-05	7.826E-05	2.377E-06	2.388E-17	0.	0.	8.600E+03
1.356E-05	1.442E-01	6.019E-02	1.988E-05	1.115E-04	3.167E-06	6.101E-17	0.	0.	8.800E+03
1.575E-05	1.575E-01	5.238E-02	2.315E-05	1.5E-04	4.128E-06	1.687E-16	0.	0.	9.000E+03
1.818E-05	1.707E-01	4.477E-02	2.638E-05	2.111E-04	5.270E-06	4.430E-16	0.	0.	9.200E+03
2.064E-05	1.814E-01	3.7E-02	2.961E-05	2.811E-04	6.600E-06	1.109E-15	0.	0.	9.400E+03
2.333E-05	1.916E-01	3.238E-02	3.216E-05	3.679E-04	8.116E-06	2.655E-15	0.	0.	9.600E+03
2.606E-05	2.008E-01	2.711E-02	3.456E-05	4.729E-04	9.816E-06	6.100E-15	0.	0.	9.800E+03
2.894E-05	2.088E-01	2.256E-02	3.658E-05	5.983E-04	1.170E-05	1.549E-14	0.	0.	1.000E+04
3.197E-05	2.158E-01	1.864E-02	3.814E-05	7.550E-04	1.435E-05	4.408E-14	0.	0.	1.100E+04
3.516E-05	2.222E-01	1.438E-02	3.931E-05	9.474E-04	1.740E-05	7.775E-14	0.	0.	1.200E+04
3.851E-05	2.279E-01	1.013E-02	4.003E-05	1.171E-03	2.093E-05	8.757E-14	0.	0.	1.300E+04
4.202E-05	2.330E-01	6.522E-02	4.026E-05	1.425E-02	2.467E-05	4.991E-13	4.611E-24	0.	1.400E+04
4.569E-05	2.376E-01	3.161E-02	4.006E-05	1.767E-02	2.871E-05	6.247E-13	2.944E-22	0.	1.500E+04
4.951E-05	2.418E-01	1.585E-02	4.076E-05	2.207E-02	3.300E-05	7.627E-13	2.067E-20	0.	1.600E+04
5.348E-05	2.456E-01	8.120E-02	4.124E-05	2.745E-02	3.750E-05	8.975E-13	2.944E-19	0.	1.700E+04
5.761E-05	2.490E-01	4.192E-02	4.169E-05	3.401E-02	4.211E-05	1.041E-12	5.429E-18	0.	1.800E+04
6.191E-05	2.519E-01	2.157E-02	4.195E-05	4.167E-02	4.681E-05	1.203E-12	7.534E-17	0.	1.900E+04
6.638E-05	2.544E-01	1.045E-02	4.204E-05	5.062E-02	5.160E-05	1.382E-12	8.235E-16	0.	2.000E+04
7.102E-05	2.566E-01	5.528E-02	4.207E-05	6.080E-02	5.626E-05	1.551E-12	7.247E-15	0.	2.100E+04
7.584E-05	2.585E-01	2.746E-02	4.202E-05	7.303E-02	6.062E-05	1.709E-12	5.505E-14	0.	2.200E+04
8.086E-05	2.602E-01	1.355E-02	4.202E-05	8.736E-02	6.462E-05	1.847E-12	3.565E-13	0.	2.300E+04
8.608E-05	2.617E-01	6.864E-02	4.195E-05	1.034E-01	6.820E-05	1.964E-12	2.000E-12	0.	2.400E+04
9.150E-05	2.630E-01	3.292E-02	4.186E-05	1.204E-01	7.130E-05	1.067E-11	1.003E-11	0.	2.500E+04
9.712E-05	2.641E-01	1.663E-02	4.176E-05	1.385E-01	7.396E-05	2.096E-11	4.574E-11	0.	2.600E+04
1.0294E-04	2.650E-01	8.326E-02	4.165E-05	1.567E-01	7.627E-05	4.674E-11	1.8E-10	0.	2.700E+04
1.0886E-04	2.658E-01	4.291E-02	4.154E-05	1.749E-01	7.821E-05	6.225E-11	7.024E-10	0.	2.800E+04
1.1498E-04	2.665E-01	2.257E-02	4.143E-05	1.931E-01	8.000E-05	8.075E-11	2.446E-09	0.	2.900E+04
1.2129E-04	2.671E-01	1.193E-02	4.132E-05	2.113E-01	8.174E-05	1.017E-10	7.914E-09	0.	3.000E+04
1.2780E-04	2.676E-01	6.028E-02	4.121E-05	2.295E-01	8.343E-05	1.249E-10	2.391E-08	0.	3.100E+04
1.3450E-04	2.680E-01	3.084E-02	4.110E-05	2.477E-01	8.507E-05	1.492E-10	6.770E-08	0.	3.200E+04
1.4140E-04	2.684E-01	1.549E-02	4.099E-05	2.659E-01	8.667E-05	1.745E-10	1.403E-07	0.	3.300E+04
1.4849E-04	2.687E-01	7.495E-02	4.088E-05	2.841E-01	8.822E-05	2.007E-10	4.531E-07	0.	3.400E+04
1.5578E-04	2.690E-01	3.545E-02	4.077E-05	3.023E-01	8.973E-05	2.278E-10	1.076E-06	0.	3.500E+04
1.6326E-04	2.692E-01	1.795E-02	4.066E-05	3.205E-01	9.120E-05	2.557E-10	2.421E-06	0.	3.600E+04
1.7094E-04	2.694E-01	8.951E-02	4.055E-05	3.387E-01	9.263E-05	2.844E-10	5.111E-06	0.	3.700E+04
1.7881E-04	2.696E-01	4.245E-02	4.044E-05	3.569E-01	9.402E-05	3.138E-10	1.101E-05	0.	3.800E+04
1.8688E-04	2.697E-01	2.209E-02	4.033E-05	3.751E-01	9.537E-05	3.438E-10	2.276E-05	0.	3.900E+04
1.9514E-04	2.698E-01	1.114E-02	4.022E-05	3.933E-01	9.668E-05	3.742E-10	4.235E-05	0.	4.000E+04
2.0359E-04	2.699E-01	5.084E-02	4.011E-05	4.115E-01	9.795E-05	4.050E-10	6.388E-05	0.	4.100E+04
2.1223E-04	2.700E-01	2.257E-02	4.000E-05	4.297E-01	9.918E-05	4.362E-10	8.770E-05	0.	4.200E+04
2.2105E-04	2.701E-01	1.120E-02	3.989E-05	4.479E-01	1.0037E-04	4.678E-10	1.138E-04	0.	4.300E+04
2.3006E-04	2.702E-01	5.045E-02	3.978E-05	4.661E-01	1.0153E-04	4.997E-10	1.429E-04	0.	4.400E+04
2.3925E-04	2.703E-01	2.229E-02	3.967E-05	4.843E-01	1.0266E-04	5.318E-10	1.734E-04	0.	4.500E+04
2.4862E-04	2.704E-01	1.104E-02	3.956E-05	5.025E-01	1.0376E-04	5.641E-10	2.052E-04	0.	4.600E+04
2.5817E-04	2.705E-01	5.069E-02	3.945E-05	5.207E-01	1.0483E-04	5.966E-10	2.382E-04	0.	4.700E+04
2.6789E-04	2.706E-01	2.253E-02	3.934E-05	5.389E-01	1.0587E-04	6.292E-10	2.723E-04	0.	4.800E+04
2.7778E-04	2.707E-01	1.128E-02	3.923E-05	5.571E-01	1.0688E-04	6.619E-10	3.074E-04	0.	4.900E+04
2.8784E-04	2.708E-01	5.094E-02	3.912E-05	5.753E-01	1.0786E-04	6.947E-10	3.435E-04	0.	5.000E+04
2.9807E-04	2.709E-01	2.279E-02	3.901E-05	5.935E-01	1.0881E-04	7.276E-10	3.805E-04	0.	5.100E+04
3.0847E-04	2.710E-01	1.144E-02	3.890E-05	6.117E-01	1.0973E-04	7.607E-10	4.184E-04	0.	5.200E+04
3.1903E-04	2.711E-01	5.119E-02	3.879E-05	6.299E-01	1.1062E-04	7.939E-10	4.571E-04	0.	5.300E+04
3.2975E-04	2.712E-01	2.294E-02	3.868E-05	6.481E-01	1.1148E-04	8.272E-10	4.965E-04	0.	5.400E+04
3.4063E-04	2.713E-01	1.169E-02	3.857E-05	6.663E-01	1.1231E-04	8.606E-10	5.366E-04	0.	5.500E+04
3.5167E-04	2.714E-01	5.164E-02	3.846E-05	6.845E-01	1.1312E-04	8.944E-10	5.773E-04	0.	5.600E+04
3.6287E-04	2.715E-01	2.299E-02	3.835E-05	7.027E-01	1.1391E-04	9.279E-10	6.186E-04	0.	5.700E+04
3.7423E-04	2.716E-01	1.174E-02	3.824E-05	7.209E-01	1.1467E-04	9.611E-10	6.605E-04	0.	5.800E+04
3.8575E-04	2.717E-01	5.189E-02	3.813E-05	7.391E-01	1.1541E-04	9.940E-10	7.029E-04	0.	5.900E+04
3.9743E-04	2.718E-01	2.314E-02	3.802E-05	7.573E-01	1.1613E-04	1.0266E-09	7.457E-04	0.	6.000E+04
4.0927E-04	2.719E-01	1.189E-02	3.791E-05	7.755E-01	1.1683E-04	1.0580E-09	7.889E-04	0.	6.100E+04
4.2127E-04	2.720E-01	5.214E-02	3.780E-05	7.937E-01	1.1751E-04	1.0891E-09	8.324E-04	0.	6.200E+04
4.3343E-04	2.721E-01	2.339E-02	3.769E-05	8.119E-01	1.1817E-04	1.1199E-09	8.761E-04	0.	6.300E+04
4.4575E-04	2.722E-01	1.214E-02	3.758E-05	8.301E-01	1.1881E-04	1.1504E-09	9.199E-04	0.	6.400E+04
4.5823E-04	2.723E-01	5.239E-02	3.747E-05	8.483E-01	1.1943E-04	1.1806E-09	9.638E-04	0.	6.500E+04
4.7087E-04	2.724E-01	2.364E-02	3.736E-05	8.665E-01	1.2003E-04	1.2105E-09	1.0077E-03	0.	6.600E+04
4.8367E-04	2.725E-01	1.239E-02	3.725E-05	8.847E-01	1.2061E-04	1.2401E-09	1.0559E-03	0.	6.700E+04
4.9663E-04	2.726E-01	5.264E-02	3.714E-05	9.029E-01	1.2117E-04	1.2694E-09	1.1042E-03	0.	6.800E+04
5.0975E-04	2.727E-01	2.389E-02	3.703E-05	9.211E-01	1.2171E-04	1.2984E-09	1.1526E-03	0.	6.900E+04
5.2303E-04	2.728E-01	1.264E-02	3.692E-05	9.393E-01	1.2223E-04	1.3271E-09	1.2011E-03	0.	7.000E+04
5.3647E-04	2.729E-01	5.314E-02	3.681E-05	9.575E-01	1.2273E-04	1.3555E-09	1.2496E-03	0.	7.100E+04
5.5007E-04	2.730E-01	2.409E-02	3.670E-05	9.757E-01	1.2321E-04	1.3836E-09	1.2981E-03	0.	7.200E+04
5.6383E-04	2.731E-01	1.284E-02	3.659E-05	9.939E-01	1.2367E-04	1.4114E-09	1.3466E-03	0.	7.300E+04
5.7775E-04	2.732E-01	5.359E-02	3.648E-05	1.0121E-01	1.2411E-04	1.43			

TABLE II. - Continued

T	E	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10
1.300E+03	0.	3.586E-03	3.771E-09	2.628E-13	6.359E-14	8.727E-08	7.473E-01	7.071E-19	1.199E-19		
1.400E+03	0.	2.453E-03	1.099E-08	2.328E-12	2.496E-13	3.838E-07	7.482E-01	6.725E-19	1.525E-19		
1.500E+03	0.	1.768E-03	2.774E-08	1.541E-11	8.204E-13	1.389E-06	7.487E-01	6.378E-19	1.862E-19		
1.600E+03	0.	1.328E-03	6.734E-08	8.055E-11	2.328E-12	4.291E-06	7.490E-01	6.034E-19	2.199E-19		
1.700E+03	7.717E-20	1.331E-03	1.273E-07	3.466E-10	5.059E-12	1.163E-05	7.492E-01	5.707E-19	2.528E-19		
1.800E+03	3.330E-25	8.254E-04	2.402E-07	1.268E-09	1.334E-11	2.826E-05	7.494E-01	5.394E-19	2.842E-19		
1.900E+03	7.895E-23	6.778E-04	4.238E-07	4.048E-09	2.792E-11	6.263E-05	7.495E-01	5.101E-19	3.140E-19		
2.000E+03	1.032E-20	5.683E-04	7.065E-07	1.151E-08	5.439E-11	1.283E-04	7.496E-01	4.806E-19	3.459E-19		
2.100E+03	5.462E-19	4.852E-04	1.122E-06	2.982E-08	9.962E-11	2.458E-04	7.497E-01	4.529E-19	3.756E-19		
2.200E+03	2.220E-18	4.207E-04	1.708E-06	6.995E-08	1.730E-10	4.443E-04	7.498E-01	4.265E-19	4.047E-19		
2.300E+03	4.199E-17	3.694E-04	2.526E-06	1.533E-07	2.847E-10	7.833E-04	7.499E-01	4.009E-19	4.345E-19		
2.400E+03	1.280E-16	3.285E-04	3.561E-06	3.148E-07	4.562E-10	1.254E-03	7.500E-01	3.756E-19	4.624E-19		
2.500E+03	3.22E-15	2.949E-04	4.918E-06	6.100E-07	6.999E-10	1.981E-03	7.501E-01	3.507E-19	4.903E-19		
2.600E+03	8.000E-15	2.670E-04	6.623E-06	1.123E-06	1.060E-09	3.023E-03	7.502E-01	3.258E-19	5.182E-19		
2.700E+03	1.847E-14	2.435E-04	8.719E-06	1.978E-06	1.501E-09	4.470E-03	7.503E-01	3.009E-19	5.461E-19		
2.800E+03	6.470E-14	2.235E-04	1.123E-05	3.339E-06	2.110E-09	6.429E-03	7.504E-01	2.760E-19	5.740E-19		
2.900E+03	2.182E-13	2.041E-04	1.424E-05	5.437E-06	2.894E-09	9.018E-03	7.505E-01	2.511E-19	6.019E-19		
3.000E+03	6.207E-13	1.909E-04	1.772E-05	8.565E-06	3.890E-09	1.234E-02	7.506E-01	2.262E-19	6.298E-19		
3.100E+03	1.727E-12	1.774E-04	2.178E-05	1.309E-05	5.122E-09	1.660E-02	7.507E-01	2.013E-19	6.577E-19		
3.200E+03	6.513E-12	1.653E-04	2.620E-05	1.947E-05	6.612E-09	2.187E-02	7.508E-01	1.764E-19	6.856E-19		
3.300E+03	1.112E-11	1.543E-04	3.120E-05	2.623E-05	8.403E-09	2.833E-02	7.509E-01	1.515E-19	7.135E-19		
3.400E+03	2.604E-11	1.441E-04	3.609E-05	4.033E-05	1.050E-08	3.610E-02	7.510E-01	1.266E-19	7.414E-19		
3.500E+03	5.809E-11	1.346E-04	4.261E-05	5.546E-05	1.291E-08	4.532E-02	7.511E-01	1.017E-19	7.693E-19		
3.600E+03	1.240E-10	1.257E-04	4.892E-05	7.539E-05	1.565E-08	5.612E-02	7.512E-01	7.684E-20	7.972E-19		
3.700E+03	2.561E-10	1.173E-04	5.553E-05	1.004E-04	1.707E-08	6.840E-02	7.513E-01	5.675E-20	8.251E-19		
3.800E+03	5.015E-10	1.092E-04	6.237E-05	1.319E-04	2.204E-08	8.284E-02	7.514E-01	3.666E-20	8.530E-19		
3.900E+03	9.550E-10	1.015E-04	6.933E-05	1.702E-04	2.564E-08	9.891E-02	7.515E-01	1.657E-20	8.809E-19		
4.000E+03	1.764E-09	9.407E-05	7.629E-05	2.162E-04	2.946E-08	1.140E-01	7.516E-01	6.475E-21	9.088E-19		
4.100E+03	3.158E-09	8.649E-05	8.312E-05	2.708E-04	3.343E-08	1.366E-01	7.517E-01	4.302E-21	9.367E-19		
4.200E+03	5.497E-09	7.995E-05	8.970E-05	3.344E-04	3.748E-08	1.582E-01	7.518E-01	2.112E-21	9.646E-19		
4.300E+03	9.321E-09	7.327E-05	9.589E-05	4.078E-04	4.154E-08	1.815E-01	7.519E-01	9.908E-22	9.925E-19		
4.400E+03	1.562E-08	6.684E-05	1.016E-04	4.911E-04	4.552E-08	2.055E-01	7.520E-01	5.689E-22	1.020E-18		
4.500E+03	2.494E-08	6.068E-05	1.064E-04	5.846E-04	4.934E-08	2.292E-01	7.521E-01	3.680E-22	1.048E-18		
4.600E+03	3.966E-08	5.481E-05	1.109E-04	6.881E-04	5.291E-08	2.605E-01	7.522E-01	2.144E-22	1.076E-18		
4.700E+03	6.118E-08	4.925E-05	1.145E-04	8.015E-04	5.615E-08	2.892E-01	7.523E-01	9.941E-23	1.104E-18		
4.800E+03	9.306E-08	4.401E-05	1.171E-04	9.242E-04	5.894E-08	3.180E-01	7.524E-01	4.702E-23	1.132E-18		
4.900E+03	1.390E-07	3.911E-05	1.188E-04	1.056E-03	6.138E-08	3.449E-01	7.525E-01	2.437E-23	1.160E-18		
5.000E+03	2.042E-07	3.457E-05	1.197E-04	1.195E-03	6.328E-08	3.702E-01	7.526E-01	1.170E-23	1.188E-18		
5.100E+03	4.232E-07	2.657E-05	1.186E-04	1.449E-03	6.551E-08	4.395E-01	7.527E-01	4.802E-24	1.216E-18		
5.200E+03	8.166E-07	2.000E-05	1.145E-04	1.807E-03	6.573E-08	4.975E-01	7.528E-01	1.302E-24	1.244E-18		
5.300E+03	1.508E-06	1.479E-05	1.078E-04	2.131E-03	6.414E-08	5.513E-01	7.529E-01	2.647E-24	1.272E-18		
5.400E+03	2.663E-06	1.077E-05	9.942E-05	2.454E-03	6.112E-08	5.998E-01	7.530E-01	2.215E-24	1.300E-18		
5.500E+03	4.505E-06	7.754E-06	9.013E-05	2.769E-03	5.712E-08	6.419E-01	7.531E-01	1.836E-24	1.328E-18		
5.600E+03	7.358E-06	5.538E-06	8.057E-05	3.073E-03	5.252E-08	6.776E-01	7.532E-01	1.511E-24	1.356E-18		
5.700E+03	1.163E-05	3.936E-06	7.125E-05	3.354E-03	4.707E-08	7.070E-01	7.533E-01	1.238E-24	1.384E-18		
5.800E+03	1.787E-05	2.793E-06	6.248E-05	3.616E-03	4.201E-08	7.307E-01	7.534E-01	1.012E-24	1.412E-18		
5.900E+03	2.675E-05	1.984E-06	5.445E-05	3.853E-03	3.609E-08	7.493E-01	7.535E-01	8.267E-25	1.440E-18		
6.000E+03	3.912E-05	1.412E-06	4.721E-05	4.064E-03	3.362E-08	7.634E-01	7.536E-01	6.765E-25	1.468E-18		
6.100E+03	5.603E-05	1.008E-06	4.078E-05	4.246E-03	2.946E-08	7.738E-01	7.537E-01	5.550E-25	1.496E-18		
6.200E+03	7.874E-05	7.226E-07	3.512E-05	4.395E-03	2.562E-08	7.811E-01	7.538E-01	4.564E-25	1.524E-18		
6.300E+03	1.088E-04	5.242E-07	3.015E-05	4.511E-03	2.212E-08	7.857E-01	7.539E-01	3.777E-25	1.552E-18		
6.400E+03	1.479E-04	3.760E-07	2.591E-05	4.591E-03	1.894E-08	7.881E-01	7.540E-01	3.136E-25	1.580E-18		
6.500E+03	1.982E-04	2.728E-07	2.204E-05	4.633E-03	1.609E-08	7.887E-01	7.541E-01	2.617E-25	1.608E-18		
6.600E+03	2.622E-04	1.947E-07	1.877E-05	4.637E-03	1.355E-08	7.879E-01	7.542E-01	2.194E-25	1.636E-18		
6.700E+03	3.424E-04	1.452E-07	1.594E-05	4.604E-03	1.130E-08	7.859E-01	7.543E-01	1.850E-25	1.664E-18		
6.800E+03	4.421E-04	1.065E-07	1.350E-05	4.535E-03	9.344E-09	7.832E-01	7.544E-01	1.567E-25	1.692E-18		
6.900E+03	5.646E-04	7.838E-08	1.140E-05	4.432E-03	7.655E-09	7.798E-01	7.545E-01	1.336E-25	1.720E-18		
7.000E+03	7.138E-04	5.787E-08	9.610E-06	4.300E-03	6.215E-09	7.761E-01	7.546E-01	1.144E-25	1.748E-18		
7.100E+03	8.937E-04	4.288E-08	8.084E-06	4.143E-03	5.034E-09	7.723E-01	7.547E-01	9.862E-26	1.776E-18		
7.200E+03	1.099E-03	3.190E-08	6.790E-06	3.967E-03	3.999E-09	7.685E-01	7.548E-01	8.547E-26	1.804E-18		
7.300E+03	1.364E-03	2.384E-08	5.898E-06	3.776E-03	3.175E-09	7.648E-01	7.549E-01	7.449E-26	1.832E-18		
7.400E+03	1.663E-03	1.789E-08	4.780E-06	3.578E-03	2.508E-09	7.614E-01	7.550E-01	6.529E-26	1.860E-18		
7.500E+03	2.014E-03	1.350E-08	4.012E-06	3.376E-03	1.973E-09	7.582E-01	7.551E-01	5.753E-26	1.888E-18		
7.600E+03	2.424E-03	9.597E-09	3.512E-06	3.174E-03	1.484E-09	7.550E-01	7.552E-01	5.041E-26	1.916E-18		
7.700E+03	2.904E-03	7.109E-09	2.755E-06	2.972E-03	1.049E-09	7.522E-01	7.553E-01	4.361E-26	1.944E-18		
7.800E+03	3.454E-03	5.078E-09	2.102E-06	2.770E-03	7.663E-10	7.502E-01	7.554E-01	3.711E-26	1.972E-18		
7.900E+03	4.084E-03	3.597E-09	1.602E-06	2.568E-03	5.612E-10	7.482E-01	7.555E-01	3.081E-26	2.000E-18		
8.000E+03	4.794E-03	2.506E-09	1.102E-06	2.366E-03	4.011E-10	7.462E-01	7.556E-01	2.471E-26	2.028E-18		
8.100E+03	5.584E-03	1.653E-09	7.622E-07	2.164E-03	2.840E-10	7.442E-01	7.557E-01	1.881E-26	2.056E-18		
8.200E+03	6.454E-03	1.082E-09	5.222E-07	1.962E-03	2.000E-10	7.422E-01	7.558E-01	1.321E-26	2.084E-18		
8.300E+03	7.404E-03	7.037E-10	3.676E-07	1.760E-03	1.439E-10	7.402E-01	7.559E-01	7.811E-27	2.112E-18		
8.400E+03	8.434E-03	4.607E-10	2.506E-07	1.558E-03	1.011E-10	7.382E-01	7.560E-01	5.611E-27	2.140E-18		
8.500E+03	9.544E-03	3.074E-10	1.602E-07	1.356E-03	7.110E-11	7.362E-01	7.561E-01	3.911E-27	2.168E-18		
8.600E+03	1.074E-02	2.082E-10	1.022E-07	1.154E-03	5.022E-11	7.342E-01	7.562E-01	2.611E-27	2.196E-18		
8.700E+03	1.204E-02	1.412E-10	6.926E-08	9.522E-04	3.522E-11	7.322E-01	7.563E-01	1.711E-27	2.224E-18		
8.800E+03	1.344E-02	9.537E-11	4.630E-08	8.322E-04	2.422E-11	7.302E-01	7.564E-01	1.111E-27	2.252E-18		
8.900E+03	1.494E-02	6.507E-11	3.122E-08	7.122E-04	1.672E-11	7.282E-01	7.565E-01	7.111E-28	2.280E-18		
9.000E+03	1.654E-02	4.287E-11	2.022E-08	6.022E-04	1.122E-11	7.262E-01	7.566E-01	4.711E-28	2.308E-18		
9.100E+03	1.824E-02	2.887E-11	1.322E-08	5.022E-04	7.722E-12	7.242E-01	7.567E-01	3.111E-28	2.336E-18		
9.200E+03	2.004E-02	1.887E-11	8.722E-09	4.222E-04	5.222E-12	7.222E-01	7.568E-01	2.011E-28	2.364E-18		

TABLE II. - Continued

M	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	7.618E-18	2.491E-01	2.774E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.792E-16	2.494E-01	2.865E-20	1.340E-31	0.	0.	0.	0.	1.400E+03
0.	2.773E-15	2.496E-01	2.911E-20	1.175E-30	0.	0.	0.	0.	1.500E+03
7.330E-34	3.352E-14	2.497E-01	2.922E-20	7.702E-30	0.	0.	0.	0.	1.600E+03
1.123E-30	2.536E-13	2.497E-01	2.934E-20	4.094E-29	0.	0.	0.	0.	1.700E+03
7.690E-28	1.666E-12	2.498E-01	2.866E-20	1.774E-28	0.	0.	0.	0.	1.800E+03
2.670E-25	9.003E-12	2.498E-01	2.814E-20	6.580E-28	0.	0.	0.	0.	1.900E+03
5.141E-23	4.110E-11	2.498E-01	2.766E-20	2.151E-27	0.	0.	0.	0.	2.000E+03
3.752E-21	1.625E-10	2.498E-01	4.419E-20	1.006E-26	7.420E-29	0.	0.	0.	2.100E+03
5.699E-20	5.674E-10	2.498E-01	2.149E-19	1.332E-25	2.734E-27	0.	0.	0.	2.200E+03
4.983E-19	1.778E-09	2.498E-01	1.294E-18	1.935E-24	5.369E-26	0.	0.	0.	2.300E+03
3.484E-18	5.368E-09	2.498E-01	6.899E-18	2.347E-23	7.891E-25	0.	0.	0.	2.400E+03
2.076E-17	1.329E-08	2.497E-01	3.235E-17	2.349E-22	9.290E-24	0.	0.	0.	2.500E+03
1.075E-16	3.230E-08	2.496E-01	1.353E-16	1.975E-21	5.031E-23	0.	0.	0.	2.600E+03
4.921E-16	7.347E-08	2.494E-01	5.096E-16	1.420E-20	7.409E-22	0.	0.	0.	2.700E+03
2.189E-15	1.589E-07	2.491E-01	1.749E-15	8.807E-20	5.224E-21	0.	0.	0.	2.800E+03
7.500E-15	3.243E-07	2.488E-01	5.520E-15	4.968E-19	3.216E-20	0.	0.	0.	2.900E+03
2.549E-14	6.312E-07	2.486E-01	1.617E-14	2.422E-18	1.751E-19	0.	0.	0.	3.000E+03
7.992E-14	1.177E-06	2.479E-01	4.424E-14	1.000E-17	8.536E-19	0.	0.	0.	3.100E+03
2.320E-13	2.111E-06	2.472E-01	1.139E-13	4.392E-17	3.763E-18	0.	0.	0.	3.200E+03
6.344E-13	3.653E-06	2.464E-01	2.771E-13	1.643E-16	1.514E-17	0.	0.	0.	3.300E+03
1.620E-12	6.120E-06	2.456E-01	6.407E-13	5.693E-16	5.603E-17	0.	0.	0.	3.400E+03
3.938E-12	9.954E-06	2.443E-01	1.414E-12	1.840E-15	1.920E-16	0.	0.	0.	3.500E+03
9.055E-12	1.575E-05	2.429E-01	2.909E-12	5.580E-15	6.136E-16	0.	0.	0.	3.600E+03
1.985E-11	2.431E-05	2.413E-01	6.076E-12	1.594E-14	1.437E-15	0.	0.	0.	3.700E+03
4.161E-11	3.663E-05	2.395E-01	1.191E-11	4.322E-14	5.102E-15	0.	0.	0.	3.800E+03
6.369E-11	5.408E-05	2.375E-01	2.257E-11	1.114E-13	1.383E-14	0.	0.	0.	3.900E+03
1.620E-10	7.423E-05	2.352E-01	4.145E-11	2.741E-13	3.505E-14	0.	0.	0.	4.000E+03
3.024E-10	1.111E-04	2.327E-01	7.398E-11	6.462E-13	8.470E-14	0.	0.	0.	4.100E+03
5.458E-10	1.555E-04	2.299E-01	1.245E-10	1.464E-12	1.958E-13	0.	0.	0.	4.200E+03
9.543E-10	2.128E-04	2.269E-01	2.177E-10	3.148E-12	4.342E-13	0.	0.	0.	4.300E+03
1.623E-09	2.878E-04	2.237E-01	3.604E-10	6.748E-12	9.261E-13	0.	0.	0.	4.400E+03
4.673E-09	3.836E-04	2.203E-01	5.837E-10	1.379E-11	1.905E-12	0.	0.	0.	4.500E+03
4.295E-09	5.052E-04	2.167E-01	9.264E-10	2.736E-11	3.788E-12	0.	0.	0.	4.600E+03
7.732E-09	6.566E-04	2.130E-01	1.443E-09	5.278E-11	7.273E-12	0.	0.	0.	4.700E+03
1.330E-08	8.440E-04	2.091E-01	2.207E-09	9.920E-11	1.358E-11	0.	0.	0.	4.800E+03
1.542E-08	1.073E-03	2.051E-01	3.322E-09	1.619E-10	2.478E-11	0.	0.	0.	4.900E+03
2.259E-08	1.353E-03	2.011E-01	4.922E-09	3.261E-10	4.385E-11	0.	0.	0.	5.000E+03
4.570E-08	2.080E-03	1.930E-01	1.036E-08	6.838E-10	1.277E-10	0.	0.	0.	5.200E+03
8.600E-08	3.099E-03	1.849E-01	2.072E-08	1.275E-09	3.403E-10	0.	0.	0.	5.400E+03
1.517E-07	4.444E-03	1.772E-01	3.965E-08	7.187E-09	8.390E-10	0.	0.	0.	5.600E+03
2.529E-07	6.322E-03	1.698E-01	7.292E-08	1.767E-08	1.929E-09	0.	0.	0.	5.800E+03
4.067E-07	8.710E-03	1.629E-01	1.294E-07	4.115E-08	4.171E-09	0.	0.	0.	6.000E+03
6.075E-07	1.175E-02	1.564E-01	2.222E-07	9.112E-08	8.532E-09	1.149E-25	0.	0.	6.200E+03
8.862E-07	1.556E-02	1.502E-01	3.699E-07	1.927E-07	1.661E-08	9.546E-25	0.	0.	6.400E+03
1.250E-06	2.024E-02	1.442E-01	5.981E-07	3.903E-07	3.090E-08	6.902E-24	0.	0.	6.600E+03
1.714E-06	2.590E-02	1.382E-01	9.400E-07	7.596E-07	5.519E-08	4.459E-23	0.	0.	6.800E+03
2.240E-06	3.261E-02	1.321E-01	1.437E-06	1.423E-06	9.493E-08	2.596E-22	0.	0.	7.000E+03
2.994E-06	4.045E-02	1.258E-01	2.136E-06	2.572E-06	1.577E-07	1.371E-21	0.	0.	7.200E+03
3.839E-06	4.944E-02	1.192E-01	3.091E-06	4.492E-06	2.536E-07	6.609E-21	0.	0.	7.400E+03
4.836E-06	5.956E-02	1.123E-01	4.354E-06	7.595E-06	3.957E-07	2.927E-20	0.	0.	7.600E+03
6.076E-06	7.075E-02	1.049E-01	5.970E-06	1.245E-05	5.999E-07	1.197E-19	0.	0.	7.800E+03
7.555E-06	8.288E-02	9.720E-02	7.973E-06	1.900E-05	8.851E-07	4.541E-19	0.	0.	8.000E+03
9.266E-06	9.577E-02	8.921E-02	1.037E-05	3.062E-05	1.272E-06	1.606E-18	0.	0.	8.200E+03
1.064E-05	1.092E-01	8.104E-02	1.314E-05	4.609E-05	1.784E-06	5.314E-18	0.	0.	8.400E+03
1.260E-05	1.229E-01	7.242E-02	1.624E-05	6.758E-05	2.444E-06	1.653E-17	0.	0.	8.600E+03
1.479E-05	1.365E-01	6.470E-02	1.957E-05	9.668E-05	3.271E-06	4.849E-17	0.	0.	8.800E+03
1.721E-05	1.498E-01	5.685E-02	2.303E-05	1.351E-04	4.289E-06	1.347E-16	0.	0.	9.000E+03
1.988E-05	1.624E-01	4.940E-02	2.648E-05	1.847E-04	5.499E-06	3.553E-16	0.	0.	9.200E+03
2.279E-05	1.742E-01	4.249E-02	2.982E-05	2.474E-04	6.921E-06	8.934E-16	0.	0.	9.400E+03
2.596E-05	1.850E-01	3.620E-02	3.292E-05	3.251E-04	8.555E-06	2.146E-15	0.	0.	9.600E+03
2.940E-05	1.945E-01	3.059E-02	3.569E-05	4.197E-04	1.040E-05	4.956E-15	0.	0.	9.800E+03
3.310E-05	2.029E-01	2.567E-02	3.810E-05	5.322E-04	1.245E-05	1.100E-14	0.	0.	1.000E+04
3.704E-05	2.105E-01	1.014E-02	4.443E-05	1.456E-03	2.550E-05	3.642E-13	0.	0.	1.100E+04
4.139E-05	2.164E-01	4.049E-03	4.436E-05	3.183E-03	4.243E-05	6.466E-12	0.	0.	1.200E+04
1.176E-04	2.358E-01	1.731E-03	4.161E-05	6.031E-03	6.200E-05	7.293E-11	0.	0.	1.300E+04
1.526E-04	2.303E-01	7.922E-04	3.780E-05	1.031E-02	8.241E-05	5.830E-10	3.501E-24	0.	1.400E+04
1.857E-04	2.211E-01	3.473E-04	3.347E-05	1.623E-02	1.014E-04	3.545E-09	2.233E-22	0.	1.500E+04
2.181E-04	2.044E-01	1.965E-04	2.886E-05	2.387E-02	1.164E-04	1.727E-08	6.654E-21	0.	1.600E+04
2.513E-04	1.927E-01	1.022E-04	2.416E-05	3.310E-02	1.355E-04	7.007E-08	2.229E-19	0.	1.700E+04
2.845E-04	1.746E-01	5.376E-05	1.958E-05	4.357E-02	1.275E-04	2.439E-07	4.094E-18	0.	1.800E+04
3.186E-04	1.548E-01	7.477E-05	1.533E-05	5.476E-02	1.225E-04	7.461E-07	5.669E-17	0.	1.900E+04
2.180E-04	1.345E-01	4.767E-05	1.160E-05	6.04E-02	1.117E-04	2.044E-06	6.171E-16	0.	2.000E+04
1.945E-04	1.145E-01	7.627E-06	8.486E-06	7.678E-02	7.971E-05	5.096E-06	5.484E-15	0.	2.100E+04
1.666E-04	9.591E-02	4.566E-06	6.031E-06	8.650E-02	6.097E-05	1.172E-05	4.091E-14	0.	2.200E+04
1.377E-04	7.925E-02	1.973E-06	4.185E-06	9.486E-02	6.520E-05	2.511E-05	2.622E-13	0.	2.300E+04
1.106E-04	6.488E-02	9.956E-07	2.854E-06	1.018E-01	5.109E-05	5.067E-05	1.472E-12	0.	2.400E+04
8.689E-05	5.284E-02	5.032E-07	1.926E-06	1.072E-01	3.923E-05	9.699E-05	7.347E-12	0.	2.500E+04
6.719E-05	4.298E-02	2.562E-07	1.294E-06	1.119E-01	2.976E-05	1.773E-04	3.303E-11	0.	2.600E+04
5.147E-05	3.522E-02	1.123E-07	8.698E-07	1.144E-01	2.242E-05	3.111E-04	1.351E-10	0.	2.700E+04
3.929E-05	2.865E-02	6.912E-08	5.873E-07	1.169E-01	1.685E-05	5.263E-04	5.073E-10	0.	2.800E+04
3.032E-05	2.356E-02	3.662E-08	3.993E-07	1.184E-01	1.269E-05	8.613E-04	1.761E-09	0.	2.900E+04
2.304E-05	1.950E-02	1.998E-08	2.736E-07	1.193E-01	9.586E-06	1.136E-03	5.682E-09	0.	3.000E+04
1.785E-05	1.624E-02	1.104E-08	1.860E-07	1.196E-01	7.282E-06	2.108E-03	1.713E-08	0.	3.100E+04
1.396E-05	1.339E-02	6.203E-09	1.314E-07	1.193E-01	5.463E-06	3.162E-03	4.849E-08	0.	3.200E+04
1.103E-05	1.143E-02	3.539E-09	9.140E-08	1.184E-01	4.273E-06	4.621E-03	1.292E-07	0.	3.300E+04
8.468E-06	9.644E-03	2.044E-09	6.446E-08	1.167E-01	3.299E-06	4.980E-03	3.253E-07	0.	3.400E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.730E-01	9.159E-20	2.419E-14	6.853E-08	4.790E-21	5.380E-02	6.069E-08	1.526E-05	3.410E-01
3.600E+04	4.767E-01	3.748E-20	1.220E-14	4.401E-08	1.854E-21	4.811E-02	3.992E-08	1.238E-05	3.429E-01
3.700E+04	4.836E-01	1.571E-20	6.254E-15	2.845E-08	7.294E-22	4.327E-02	2.666E-08	1.010E-05	3.440E-01
3.800E+04	4.885E-01	6.731E-21	3.250E-15	1.847E-08	2.910E-22	3.911E-02	1.806E-08	8.286E-06	3.445E-01
3.900E+04	4.934E-01	2.939E-21	1.739E-15	1.205E-08	1.173E-22	3.551E-02	1.240E-08	6.835E-06	3.445E-01
4.000E+04	4.982E-01	1.306E-21	9.074E-16	7.874E-09	4.760E-23	3.239E-02	8.632E-09	5.668E-06	3.439E-01
4.100E+04	5.030E-01	5.891E-22	4.865E-16	5.150E-09	1.942E-23	2.966E-02	6.084E-09	4.726E-06	3.431E-01
4.200E+04	5.077E-01	2.696E-22	2.628E-16	3.371E-09	7.953E-24	2.725E-02	4.339E-09	3.961E-06	3.419E-01
4.300E+04	5.123E-01	1.250E-22	1.430E-16	2.208E-09	3.269E-24	2.513E-02	3.130E-09	3.338E-06	3.406E-01
4.400E+04	5.167E-01	5.874E-23	7.836E-17	1.447E-09	1.348E-24	2.324E-02	2.283E-09	2.828E-06	3.393E-01
4.500E+04	5.207E-01	2.795E-23	4.326E-17	9.492E-10	5.588E-25	2.155E-02	1.682E-09	2.408E-06	3.379E-01
4.600E+04	5.245E-01	1.347E-23	2.407E-17	6.239E-10	2.320E-25	2.004E-02	1.252E-09	2.061E-06	3.366E-01
4.700E+04	5.280E-01	6.579E-24	1.350E-17	4.111E-10	9.768E-26	1.868E-02	9.403E-10	1.773E-06	3.353E-01
4.800E+04	5.312E-01	3.255E-24	7.631E-18	2.718E-10	4.131E-26	1.746E-02	7.127E-10	1.532E-06	3.341E-01
4.900E+04	5.341E-01	1.632E-24	4.356E-18	1.803E-10	1.763E-26	1.635E-02	5.448E-10	1.331E-06	3.330E-01
5.000E+04	5.368E-01	8.290E-25	2.529E-18	1.202E-10	7.602E-27	1.534E-02	4.195E-10	1.160E-06	3.320E-01

P/P0 = 1.40E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	7.675E-01	1.343E-20	3.758E-35	2.104E-28	2.475E-22	1.744E-01	1.497E-18	8.477E-22
6.000E+02	0.	4.789E-01	3.416E-17	4.693E-29	4.431E-24	2.456E-18	3.908E-01	1.246E-18	2.539E-21
7.000E+02	0.	2.261E-01	6.879E-15	8.858E-25	3.651E-21	1.634E-15	5.804E-01	1.325E-18	5.804E-21
8.000E+02	0.	9.442E-02	2.933E-13	1.240E-21	4.177E-19	2.023E-13	6.792E-01	5.049E-19	1.192E-20
9.000E+02	7.	4.128E-02	4.875E-12	3.249E-19	1.453E-17	6.394E-12	7.190E-01	8.433E-19	2.233E-20
1.000E+03	0.	2.210E-02	4.427E-11	2.728E-17	2.366E-16	1.646E-10	7.349E-01	8.089E-19	3.784E-20
1.100E+03	0.	1.091E-02	2.646E-10	1.015E-15	2.279E-15	1.883E-09	7.418E-01	7.775E-19	5.846E-20
1.200E+03	0.	6.500E-03	1.165E-09	2.063E-14	1.504E-14	1.440E-08	7.451E-01	7.470E-19	8.359E-20
1.300E+03	0.	4.179E-03	4.069E-09	2.626E-13	7.411E-14	8.788E-08	7.469E-01	7.145E-19	7.757E-20
1.400E+03	0.	2.859E-03	1.186E-08	2.327E-12	2.914E-13	3.552E-07	7.479E-01	6.818E-19	1.432E-19
1.500E+03	0.	2.059E-03	2.995E-08	1.541E-11	9.568E-13	1.286E-06	7.485E-01	6.484E-19	1.757E-19
1.600E+03	0.	1.546E-03	6.731E-08	8.053E-11	2.715E-12	3.972E-06	7.488E-01	6.155E-19	2.076E-19
1.700E+03	6.467E-28	1.202E-03	1.375E-07	3.465E-10	6.834E-12	1.077E-05	7.491E-01	5.836E-19	2.392E-19
1.800E+03	2.783E-25	9.630E-04	2.594E-07	1.268E-09	1.558E-11	2.616E-05	7.493E-01	5.511E-19	2.699E-19
1.900E+03	6.415E-23	7.906E-04	4.577E-07	4.044E-09	3.257E-11	5.748E-05	7.494E-01	5.245E-19	2.989E-19
2.000E+03	8.602E-21	6.829E-04	7.630E-07	1.151E-08	6.345E-11	1.188E-04	7.494E-01	5.027E-19	3.794E-19
2.100E+03	4.758E-19	5.660E-04	1.211E-06	2.962E-08	1.162E-10	2.276E-04	7.494E-01	4.739E-19	5.479E-19
2.200E+03	5.622E-18	4.907E-04	1.844E-06	6.995E-08	2.018E-10	4.113E-04	7.493E-01	3.447E-18	2.875E-18
2.300E+03	3.811E-17	4.312E-04	2.707E-06	1.533E-08	3.345E-10	7.067E-04	7.491E-01	1.985E-17	1.838E-17
2.400E+03	2.113E-16	3.833E-04	3.847E-06	3.148E-07	5.322E-10	1.161E-03	7.487E-01	1.035E-16	1.055E-16
2.500E+03	1.218E-15	3.442E-04	5.313E-06	6.100E-07	8.167E-10	1.834E-03	7.481E-01	4.772E-16	5.309E-16
2.600E+03	4.349E-15	3.117E-04	7.156E-06	1.123E-06	1.721E-09	2.799E-03	7.473E-01	1.961E-15	2.766E-15
2.700E+03	1.672E-14	2.843E-04	9.421E-06	1.977E-06	1.152E-09	4.139E-03	7.462E-01	7.288E-15	9.455E-15
2.800E+03	5.853E-14	2.610E-04	1.215E-05	3.333E-06	2.463E-09	5.954E-03	7.446E-01	2.457E-14	3.427E-14
2.900E+03	1.882E-13	2.408E-04	1.539E-05	5.440E-06	3.343E-09	8.352E-03	7.425E-01	7.645E-14	1.178E-13
3.000E+03	5.607E-13	2.232E-04	1.916E-05	8.571E-06	4.545E-09	1.145E-02	7.398E-01	1.278E-13	3.494E-13
3.100E+03	1.559E-12	2.075E-04	2.348E-05	1.310E-05	5.987E-09	1.578E-02	7.364E-01	5.958E-13	9.988E-13
3.200E+03	4.069E-12	1.935E-04	2.837E-05	1.949E-05	7.742E-09	2.027E-02	7.321E-01	1.512E-12	2.676E-12
3.300E+03	1.033E-11	1.807E-04	3.381E-05	2.828E-05	9.881E-09	2.626E-02	7.269E-01	3.627E-12	4.761E-12
3.400E+03	2.348E-11	1.690E-04	3.978E-05	4.009E-05	1.230E-08	3.347E-02	7.205E-01	6.266E-12	1.619E-11
3.500E+03	5.235E-11	1.581E-04	4.625E-05	5.562E-05	1.515E-08	4.204E-02	7.130E-01	1.796E-11	3.688E-11
3.600E+03	1.117E-10	1.479E-04	5.316E-05	7.565E-05	1.838E-08	5.208E-02	7.042E-01	3.737E-11	8.023E-11
3.700E+03	2.289E-10	1.383E-04	6.043E-05	1.017E-04	2.203E-08	6.477E-02	6.941E-01	7.448E-11	1.678E-10
3.800E+03	4.517E-10	1.291E-04	6.798E-05	1.326E-04	2.598E-08	7.698E-02	6.824E-01	1.437E-10	3.372E-10
3.900E+03	8.608E-10	1.205E-04	7.570E-05	1.713E-04	3.039E-08	9.199E-02	6.693E-01	2.671E-10	6.459E-10
4.000E+03	1.588E-09	1.118E-04	8.347E-05	2.179E-04	3.489E-08	1.088E-01	6.544E-01	4.833E-10	1.227E-09
4.100E+03	2.844E-09	1.036E-04	7.116E-05	2.732E-04	3.970E-08	1.273E-01	6.383E-01	3.378E-10	2.231E-09
4.200E+03	4.952E-09	9.589E-05	6.805E-05	3.379E-04	4.465E-08	1.476E-01	6.239E-01	1.420E-09	3.944E-09
4.300E+03	8.399E-09	8.805E-05	1.058E-04	4.127E-04	4.945E-08	1.695E-01	6.122E-01	2.347E-09	6.783E-09
4.400E+03	1.390E-08	8.070E-05	1.124E-04	4.790E-04	5.461E-08	1.931E-01	6.006E-01	3.767E-09	1.136E-08
4.500E+03	2.249E-08	7.363E-05	1.184E-04	5.939E-04	5.942E-08	2.181E-01	5.886E-01	5.912E-09	1.864E-08
4.600E+03	3.560E-08	6.686E-05	1.236E-04	7.066E-04	6.398E-08	2.444E-01	5.755E-01	9.070E-09	2.986E-08
4.700E+03	5.323E-08	6.243E-05	1.281E-04	8.117E-04	6.825E-08	2.719E-01	5.613E-01	1.361E-08	4.686E-08
4.800E+03	8.047E-08	5.433E-05	1.316E-04	9.453E-04	7.200E-08	3.002E-01	5.486E-01	2.002E-08	7.708E-08
4.900E+03	1.257E-07	4.860E-05	1.341E-04	1.082E-04	7.529E-08	3.292E-01	5.369E-01	2.887E-08	1.088E-07
5.000E+03	1.848E-07	4.325E-05	1.357E-04	1.228E-04	7.802E-08	3.586E-01	5.251E-01	4.031E-08	1.615E-07
5.100E+03	3.009E-07	3.737E-05	1.359E-04	1.342E-04	8.166E-08	3.878E-01	5.133E-01	5.695E-08	3.384E-07
5.200E+03	4.741E-07	2.797E-05	1.325E-04	1.478E-04	8.282E-08	4.174E-01	5.019E-01	7.859E-08	6.681E-07
5.300E+03	7.172E-07	1.936E-05	1.261E-04	1.617E-04	8.167E-08	4.470E-01	4.909E-01	1.083E-07	1.250E-06
5.400E+03	1.072E-06	1.332E-05	1.175E-04	1.757E-04	7.867E-08	4.764E-01	4.804E-01	1.493E-07	2.229E-06
5.500E+03	2.425E-06	1.432E-05	1.175E-04	1.902E-04	7.424E-08	5.050E-01	4.700E-01	2.011E-07	3.806E-06
5.600E+03	4.118E-06	1.046E-05	1.075E-04	2.022E-04	6.888E-08	5.296E-01	4.600E-01	2.670E-07	6.231E-06
5.700E+03	6.739E-06	7.573E-06	9.702E-05	2.155E-04	6.306E-08	5.581E-01	4.500E-01	3.581E-07	9.914E-06
5.800E+03	1.067E-05	5.450E-06	8.435E-05	2.278E-04	5.571E-08	5.866E-01	4.400E-01	4.822E-07	1.524E-05
5.900E+03	1.641E-05	3.911E-06	7.435E-05	2.392E-04	4.733E-08	6.150E-01	4.300E-01	6.345E-07	2.269E-05
6.000E+03	2.459E-05	2.835E-06	6.705E-05	2.505E-04	4.137E-08	6.434E-01	4.200E-01	8.421E-07	4.712E-05
7.000E+03	3.599E-05	2.014E-06	5.850E-05	4.375E-04	4.341E-08	7.536E-01	4.000E-01	7.690E-07	3.133E-05
8.000E+03	5.159E-05	1.450E-06	5.082E-05	6.583E-04	4.004E-08	8.657E-01	3.800E-01	6.340E-07	4.712E-05
9.000E+03	7.239E-05	1.047E-06	4.399E-05	9.159E-04	3.598E-08	9.745E-01	3.600E-01	5.241E-07	6.561E-05
1.000E+04	1.002E-04	7.590E-07	3.766E-05	1.306E-03	3.045E-08	1.085E-01	3.400E-01	4.349E-07	8.917E-05
1.100E+04	1.384E-04	5.522E-07	3.246E-05	1.804E-03	2.625E-08	1.204E-01	3.200E-01	3.622E-07	1.202E-04
1.200E+04	1.828E-04	4.033E-07	2.802E-05	2.407E-03	2.245E-08	1.331E-01	3.000E-01	2.947E-07	1.588E-04
1.300E+04	2.418E-04	2.955E-07	2.398E-05	3.091E-03	1.905E-08	1.464E-01	2.800E-01	2.547E-07	2.065E-04
1.400E+04	3.158E-04	2.173E-07	2.047E-05	4.076E-03	1.602E-08	1.604E-01	2.600E-01	2.151E-07	2.696E-04
1.500E+04	4.078E-04	1.603E-07	1.742E-05	5.076E-03	1.339E-08	1.748E-01	2.400E-01	1.824E-07	3.460E-04
1.600E+04	5.210E-04	1.188E-07	1.479E-05	6.426E-03	1.103E-08	1.908E-01	2.200E-01	1.558E-07	4.211E-04

TABLE II.- Continued

M-	N	NZ	NZ+	N*	N-	N**	N***	N****	T
7.213E-06	8.149E-03	1.189E-05	4.523E-08	1.143E-01	2.556E-06	9.134E-03	7.751E-07	2.035E-14	3.500E+04
5.949E-04	8.885E-01	6.961E-10	3.165E-08	1.111E-01	1.983E-06	1.236E-02	1.752E-06	5.760E-14	3.600E+04
4.976E-04	4.807E-03	4.083E-10	2.203E-08	1.070E-01	1.544E-06	1.630E-02	3.764E-06	4.274E-13	3.700E+04
4.217E-06	4.881E-03	2.393E-10	1.520E-08	1.020E-01	1.200E-06	2.096E-02	7.698E-06	1.718E-12	3.800E+04
3.620E-06	4.084E-03	1.396E-10	1.038E-08	9.628E-02	9.208E-07	2.628E-02	1.502E-05	6.367E-12	3.900E+04
3.143E-06	3.398E-03	8.100E-11	7.005E-09	8.987E-02	7.198E-07	3.215E-02	2.801E-05	2.186E-11	4.000E+04
2.759E-06	2.409E-03	4.663E-11	4.664E-09	8.298E-02	5.546E-07	3.841E-02	5.005E-05	6.985E-11	4.100E+04
2.445E-06	2.306E-03	2.662E-11	3.064E-09	7.580E-02	4.253E-07	4.487E-02	8.594E-05	2.088E-10	4.200E+04
2.185E-06	1.881E-03	1.568E-11	1.987E-09	6.856E-02	3.248E-07	5.134E-02	1.422E-04	5.865E-10	4.300E+04
1.967E-06	1.525E-03	8.477E-12	1.274E-09	6.146E-02	2.469E-07	5.762E-02	2.273E-04	1.556E-09	4.400E+04
1.747E-06	1.230E-03	4.738E-12	8.091E-10	5.467E-02	1.870E-07	6.357E-02	3.521E-04	3.914E-09	4.500E+04
1.624E-06	9.875E-04	2.635E-12	5.096E-10	4.830E-02	1.412E-07	6.905E-02	5.301E-04	5.383E-09	4.600E+04
1.487E-06	7.499E-04	1.461E-12	3.191E-10	4.245E-02	1.064E-07	7.398E-02	7.776E-04	2.151E-08	4.700E+04
1.368E-06	6.301E-04	8.098E-13	1.989E-10	3.715E-02	8.004E-08	7.831E-02	1.114E-03	4.733E-08	4.800E+04
1.262E-06	5.317E-04	4.489E-13	1.237E-10	3.240E-02	6.018E-08	8.200E-02	1.561E-03	1.002E-07	4.900E+04
1.169E-06	3.991E-04	2.493E-13	7.688E-11	2.819E-02	4.525E-08	8.506E-02	2.146E-03	2.050E-07	5.000E+04

P/PO = 1.40E+02

M-	N	NZ	NZ+	N*	N-	N**	N***	N****	T
0.	0.	5.614E-02	7.137E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.303E-01	1.073E-21	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.935E-01	1.340E-21	0.	0.	0.	0.	0.	7.000E+02
0.	7.292E-30	2.264E-01	1.610E-20	0.	0.	0.	0.	0.	8.000E+02
0.	2.120E-26	2.397E-01	1.908E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.244E-23	2.450E-01	2.198E-20	0.	0.	0.	0.	0.	1.000E+03
0.	2.243E-21	2.473E-01	2.452E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.774E-19	2.486E-01	2.655E-20	0.	0.	0.	0.	0.	1.200E+03
0.	7.051E-16	2.490E-01	2.805E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.659E-16	2.493E-01	2.905E-20	1.258E-31	0.	0.	0.	0.	1.400E+03
0.	2.567E-16	2.495E-01	2.960E-20	1.104E-30	0.	0.	0.	0.	1.500E+03
0.653E-34	2.825E-14	2.496E-01	2.974E-20	7.347E-29	0.	0.	0.	0.	1.600E+03
1.316E-30	2.348E-13	2.497E-01	2.970E-20	3.876E-25	0.	0.	0.	0.	1.700E+03
6.941E-28	1.544E-12	2.498E-01	2.939E-20	1.689E-28	0.	0.	0.	0.	1.800E+03
2.404E-25	8.335E-12	2.498E-01	2.893E-20	6.244E-28	0.	0.	0.	0.	1.900E+03
4.827E-23	3.805E-11	2.498E-01	2.866E-20	2.049E-27	0.	0.	0.	0.	2.000E+03
3.538E-21	1.504E-10	2.498E-01	2.836E-20	9.144E-27	6.994E-25	0.	0.	0.	2.100E+03
5.584E-20	6.253E-10	2.498E-01	2.076E-19	1.170E-25	2.669E-27	0.	0.	0.	2.200E+03
4.665E-19	1.646E-09	2.498E-01	1.273E-18	1.692E-24	5.264E-26	0.	0.	0.	2.300E+03
3.420E-18	4.992E-09	2.498E-01	8.16E-18	2.052E-23	7.735E-25	0.	0.	0.	2.400E+03
2.033E-17	1.231E-08	2.497E-01	3.061E-17	2.056E-22	9.094E-24	0.	0.	0.	2.500E+03
1.352E-16	2.998E-08	2.496E-01	1.280E-16	1.730E-21	8.438E-23	0.	0.	0.	2.600E+03
8.63E-16	4.494E-08	2.494E-01	4.820E-16	1.245E-20	7.245E-22	0.	0.	0.	2.700E+03
1.973E-15	1.471E-07	2.492E-01	1.657E-15	7.797E-20	5.105E-21	0.	0.	0.	2.800E+03
7.325E-15	3.703E-07	2.489E-01	5.236E-15	4.304E-19	3.140E-20	0.	0.	0.	2.900E+03
2.468E-14	5.685E-07	2.485E-01	1.535E-14	2.179E-18	1.709E-19	0.	0.	0.	3.000E+03
7.749E-14	1.000E-06	2.480E-01	4.233E-14	9.495E-18	6.324E-19	0.	0.	0.	3.100E+03
2.271E-13	1.955E-06	2.474E-01	1.082E-13	3.864E-17	3.669E-18	0.	0.	0.	3.200E+03
8.188E-13	3.344E-06	2.466E-01	2.636E-13	1.446E-16	1.476E-17	0.	0.	0.	3.300E+03
1.566E-12	5.670E-06	2.457E-01	6.099E-13	5.015E-16	5.459E-17	0.	0.	0.	3.400E+03
3.641E-12	2.250E-05	2.447E-01	1.367E-12	1.623E-15	1.871E-16	0.	0.	0.	3.500E+03
6.834E-12	1.460E-05	2.434E-01	2.950E-12	4.920E-15	5.977E-16	0.	0.	0.	3.600E+03
1.417E-11	2.293E-05	2.419E-01	5.736E-12	1.407E-14	1.790E-15	0.	0.	0.	3.700E+03
4.063E-11	3.398E-05	2.402E-01	1.137E-11	3.814E-14	5.049E-15	0.	0.	0.	3.800E+03
8.179E-11	5.016E-05	2.383E-01	2.156E-11	9.832E-14	1.348E-14	0.	0.	0.	3.900E+03
1.644E-10	7.258E-05	2.362E-01	3.962E-11	2.420E-13	3.417E-14	0.	0.	0.	4.000E+03
2.961E-10	1.031E-04	2.338E-01	7.075E-11	3.707E-13	6.261E-14	0.	0.	0.	4.100E+03
5.351E-10	1.439E-04	2.312E-01	1.240E-10	1.294E-12	1.911E-13	0.	0.	0.	4.200E+03
9.371E-10	1.977E-04	2.284E-01	2.085E-10	2.825E-12	4.240E-13	0.	0.	0.	4.300E+03
1.593E-09	2.875E-04	2.254E-01	3.453E-10	5.963E-12	9.031E-13	0.	0.	0.	4.400E+03
2.634E-09	3.568E-04	2.222E-01	5.594E-10	1.219E-11	1.863E-12	0.	0.	0.	4.500E+03
4.242E-09	4.699E-04	2.187E-01	8.883E-10	2.418E-11	3.705E-12	0.	0.	0.	4.600E+03
6.664E-09	6.112E-04	2.152E-01	1.384E-09	4.663E-11	7.150E-12	0.	0.	0.	4.700E+03
1.023E-08	7.894E-04	2.114E-01	2.118E-09	8.763E-11	1.332E-11	0.	0.	0.	4.800E+03
1.535E-08	9.995E-04	2.076E-01	3.187E-09	1.607E-10	2.434E-11	0.	0.	0.	4.900E+03
2.255E-08	1.298E-03	2.037E-01	4.725E-09	2.879E-10	4.313E-11	0.	0.	0.	5.000E+03
4.550E-08	1.940E-03	1.998E-01	7.978E-09	4.876E-10	7.299E-10	0.	0.	0.	5.200E+03
6.698E-08	2.692E-03	1.876E-01	1.495E-08	2.422E-09	3.364E-10	0.	0.	0.	5.400E+03
1.246E-07	4.186E-03	1.801E-01	3.797E-08	6.319E-09	8.314E-10	0.	0.	0.	5.600E+03
2.594E-07	5.902E-03	1.747E-01	6.470E-08	1.551E-08	1.916E-09	0.	0.	0.	5.800E+03
4.134E-07	8.132E-03	1.657E-01	1.235E-07	3.654E-08	8.151E-09	0.	0.	0.	6.000E+03
6.314E-07	1.047E-02	1.590E-01	2.116E-07	7.987E-08	8.525E-09	4.575E-26	0.	0.	6.200E+03
9.265E-07	1.453E-02	1.527E-01	3.517E-07	1.682E-07	1.658E-08	7.791E-25	0.	0.	6.400E+03
1.314E-06	1.890E-02	1.466E-01	5.879E-07	3.403E-07	3.090E-08	5.617E-24	0.	0.	6.600E+03
1.839E-06	2.618E-02	1.406E-01	8.918E-07	6.815E-07	5.526E-08	3.672E-23	0.	0.	6.800E+03
2.626E-06	3.047E-02	1.345E-01	1.363E-06	1.239E-06	9.519E-08	2.105E-22	0.	0.	7.000E+03
3.182E-06	3.782E-02	1.283E-01	2.028E-06	2.239E-06	1.584E-07	1.111E-21	0.	0.	7.200E+03
4.091E-06	4.627E-02	1.218E-01	2.935E-06	3.912E-06	2.591E-07	5.355E-21	0.	0.	7.400E+03
5.168E-06	5.628E-02	1.150E-01	4.150E-06	6.623E-06	3.988E-07	2.373E-20	0.	0.	7.600E+03
6.427E-06	6.842E-02	1.079E-01	5.704E-06	1.047E-05	6.055E-07	9.714E-20	0.	0.	7.800E+03
7.883E-06	7.798E-02	1.004E-01	7.655E-06	1.732E-05	8.963E-07	3.692E-19	0.	0.	8.000E+03
9.549E-06	9.034E-02	9.262E-02	1.001E-05	2.685E-05	1.292E-06	1.30E-18	0.	0.	8.200E+03
1.144E-05	1.033E-01	8.463E-02	1.275E-05	4.052E-05	1.817E-06	4.362E-18	0.	0.	8.400E+03
1.358E-05	1.198E-01	7.655E-02	1.588E-05	5.961E-05	2.496E-06	1.354E-17	0.	0.	8.600E+03
1.592E-05	1.300E-01	6.851E-02	1.925E-05	8.557E-05	3.334E-06	3.987E-17	0.	0.	8.800E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	6.587E-04	8.802E-08	1.252E-05	4.800E-03	9.036E-09	7.765E-01	1.337E-02	1.630E-05	5.224E-04
9.200E+03	8.248E-04	6.596E-08	1.058E-05	4.645E-03	7.340E-09	7.730E-01	1.153E-02	1.845E-05	6.422E-04
9.400E+03	1.023E-03	4.901E-08	8.931E-06	4.467E-03	5.916E-09	7.694E-01	9.994E-03	2.078E-05	7.828E-04
9.600E+03	1.259E-03	3.678E-08	7.527E-06	4.270E-03	4.737E-09	7.658E-01	8.713E-03	2.329E-05	9.470E-04
9.800E+03	1.536E-03	2.772E-08	6.340E-06	4.062E-03	3.771E-09	7.624E-01	7.637E-03	2.600E-05	1.138E-03
1.000E+04	1.860E-03	2.100E-08	5.340E-06	3.847E-03	2.989E-09	7.592E-01	6.730E-03	2.893E-05	1.358E-03
1.100E+04	4.368E-03	5.669E-09	2.305E-06	2.417E-03	9.136E-10	7.468E-01	3.836E-03	4.720E-05	3.026E-03
1.200E+04	8.922E-03	1.762E-09	1.055E-06	2.025E-03	2.909E-10	7.372E-01	2.393E-03	7.298E-05	6.002E-03
1.300E+04	1.635E-02	4.198E-10	3.154E-07	1.472E-03	1.007E-10	7.259E-01	1.584E-03	1.034E-04	1.082E-02
1.400E+04	2.749E-02	2.391E-10	2.654E-07	1.085E-03	3.763E-11	7.101E-01	1.087E-03	1.398E-04	1.800E-02
1.501E+04	4.301E-02	9.805E-11	1.413E-07	8.039E-04	1.482E-11	6.845E-01	7.417E-04	1.792E-04	2.801E-02
1.600E+04	6.332E-02	4.195E-11	7.639E-08	5.937E-04	5.909E-12	6.602E-01	3.788E-04	2.180E-04	4.117E-02
1.700E+04	8.844E-02	1.777E-11	4.127E-08	4.332E-04	2.440E-12	6.250E-01	3.788E-04	2.525E-04	5.760E-02
1.800E+04	1.180E-01	7.521E-12	2.198E-08	3.099E-04	9.783E-13	5.834E-01	2.638E-04	2.787E-04	7.712E-02
1.900E+04	1.509E-01	3.103E-12	1.142E-08	2.161E-04	3.811E-13	5.366E-01	1.806E-04	2.936E-04	9.932E-02
2.000E+04	1.861E-01	1.235E-12	5.753E-09	1.464E-04	1.429E-13	4.862E-01	1.209E-04	2.955E-04	1.235E-01
2.100E+04	2.220E-01	4.718E-13	2.800E-09	9.629E-05	5.129E-14	4.341E-01	7.902E-05	2.849E-04	1.487E-01
2.200E+04	2.571E-01	1.729E-13	1.317E-09	6.152E-05	1.765E-14	3.826E-01	5.041E-05	2.633E-04	1.739E-01
2.300E+04	2.902E-01	6.101E-14	6.010E-10	3.832E-05	5.653E-15	3.355E-01	3.145E-05	2.356E-04	1.984E-01
2.400E+04	3.203E-01	2.090E-14	2.678E-10	2.340E-05	1.886E-15	2.881E-01	1.924E-05	2.040E-04	2.212E-01
2.500E+04	3.470E-01	7.015E-15	1.174E-10	1.408E-05	5.973E-16	2.475E-01	1.164E-05	1.720E-04	2.419E-01
2.600E+04	3.701E-01	2.333E-15	5.104E-11	8.407E-06	1.880E-16	2.120E-01	6.973E-06	1.422E-04	2.622E-01
2.700E+04	3.897E-01	7.767E-16	2.222E-11	5.008E-06	5.941E-17	1.815E-01	4.166E-06	1.158E-04	2.760E-01
2.800E+04	4.062E-01	2.613E-16	9.744E-12	2.992E-06	1.903E-17	1.557E-01	2.493E-06	9.333E-05	2.895E-01
2.900E+04	4.199E-01	8.944E-17	4.328E-12	1.799E-06	6.224E-18	1.340E-01	1.501E-06	7.479E-05	3.009E-01
3.000E+04	4.315E-01	3.133E-17	1.955E-12	1.092E-06	2.087E-18	1.159E-01	9.125E-07	5.977E-05	3.104E-01
3.100E+04	4.411E-01	1.127E-17	9.009E-13	6.697E-07	7.196E-19	1.009E-01	5.610E-07	4.777E-05	3.182E-01
3.200E+04	4.494E-01	4.174E-18	4.238E-13	4.157E-07	2.554E-19	8.828E-02	3.495E-07	3.825E-05	3.246E-01
3.300E+04	4.565E-01	1.591E-18	2.037E-13	2.611E-07	9.328E-20	7.775E-02	2.209E-07	3.073E-05	3.298E-01
3.400E+04	4.628E-01	6.244E-19	9.990E-14	1.658E-07	3.499E-20	6.889E-02	1.417E-07	2.478E-05	3.340E-01
3.500E+04	4.685E-01	2.519E-19	4.997E-14	1.663E-07	1.365E-20	6.146E-02	9.223E-08	2.009E-05	3.372E-01
3.600E+04	4.739E-01	1.043E-19	2.544E-14	6.877E-08	5.279E-21	5.503E-02	6.093E-08	1.636E-05	3.395E-01
3.700E+04	4.790E-01	4.422E-20	1.316E-14	4.480E-08	2.110E-21	4.958E-02	4.084E-08	1.339E-05	3.412E-01
3.800E+04	4.840E-01	1.916E-20	6.908E-15	2.934E-08	8.554E-22	4.489E-02	2.776E-08	1.102E-05	3.421E-01
3.900E+04	4.889E-01	8.463E-21	3.669E-15	1.929E-08	3.507E-22	4.082E-02	1.912E-08	9.114E-06	3.425E-01
4.000E+04	4.938E-01	3.804E-21	1.970E-15	1.272E-08	1.450E-22	3.728E-02	1.334E-08	7.576E-06	3.424E-01
4.100E+04	4.987E-01	1.737E-21	1.067E-15	8.401E-09	6.028E-23	3.417E-02	9.425E-09	6.330E-06	3.418E-01
4.200E+04	5.035E-01	8.043E-22	5.825E-16	5.553E-09	2.518E-23	3.144E-02	4.736E-09	5.316E-06	3.410E-01
4.300E+04	5.081E-01	3.774E-22	3.204E-16	3.673E-09	1.056E-23	2.901E-02	4.868E-09	4.484E-06	3.399E-01
4.400E+04	5.126E-01	1.794E-22	1.775E-16	2.431E-09	4.441E-24	2.685E-02	2.556E-09	3.805E-06	3.387E-01
4.500E+04	5.168E-01	8.630E-23	9.900E-17	1.610E-09	1.875E-24	2.492E-02	2.624E-09	3.244E-06	3.374E-01
4.600E+04	5.208E-01	4.203E-23	5.562E-17	1.064E-09	7.959E-25	2.319E-02	1.955E-09	2.779E-06	3.362E-01
4.700E+04	5.245E-01	2.072E-23	3.149E-17	7.098E-10	3.397E-25	2.163E-02	1.471E-09	2.392E-06	3.350E-01
4.800E+04	5.279E-01	1.035E-23	1.794E-17	4.730E-10	1.460E-25	2.023E-02	1.116E-09	2.049E-06	3.338E-01
4.900E+04	5.310E-01	5.232E-24	1.033E-17	3.162E-10	6.327E-26	1.895E-02	8.537E-10	1.798E-06	3.328E-01
5.000E+04	5.339E-01	2.679E-24	5.991E-18	2.122E-10	2.766E-26	1.779E-02	6.585E-10	1.568E-06	3.318E-01

PPD = 1.60E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	7.806E-01	1.316E-20	3.545E-35	2.140E-28	2.249E-22	1.645E-01	1.500E-18	8.186E-22
6.000E+02	0.	5.013E-01	3.421E-17	4.492E-29	4.438E-24	2.248E-18	3.740E-01	1.265E-18	2.465E-21
7.000E+02	0.	2.455E-01	7.079E-15	8.635E-25	3.966E-21	1.510E-15	5.659E-01	1.041E-18	5.580E-21
8.000E+02	0.	1.053E-01	3.079E-13	1.225E-21	4.660E-19	1.481E-13	6.710E-01	9.137E-19	1.132E-20
9.000E+02	0.	4.665E-02	5.168E-12	3.230E-19	1.662E-17	7.830E-12	7.150E-01	8.510E-19	2.104E-20
1.000E+03	0.	2.285E-02	4.713E-11	2.721E-17	2.689E-16	1.538E-10	7.329E-01	8.133E-19	3.564E-20
1.100E+03	0.	1.243E-02	2.822E-10	1.013E-15	2.598E-15	1.760E-09	7.407E-01	7.825E-19	5.505E-20
1.200E+03	0.	7.415E-03	1.244E-09	2.058E-14	1.715E-14	1.346E-08	7.444E-01	7.524E-19	7.879E-20
1.300E+03	0.	4.770E-03	4.346E-09	2.625E-13	8.459E-14	7.594E-08	7.464E-01	7.714E-19	1.060E-19
1.400E+03	0.	3.265E-03	1.267E-08	2.326E-12	3.327E-13	3.323E-07	7.476E-01	6.895E-19	1.355E-19
1.500E+03	0.	2.352E-03	3.200E-08	1.540E-11	1.093E-12	1.207E-06	7.482E-01	6.573E-19	1.662E-19
1.600E+03	0.	1.766E-03	7.193E-08	8.051E-11	3.102E-12	3.715E-06	7.487E-01	6.254E-19	1.974E-19
1.700E+03	5.594E-28	1.374E-03	1.469E-07	3.485E-10	7.807E-12	1.007E-05	7.490E-01	5.944E-19	2.281E-19
1.800E+03	2.385E-25	1.100E-03	2.772E-07	1.268E-09	1.778E-11	2.447E-05	7.492E-01	5.647E-19	2.578E-19
1.900E+03	5.485E-23	9.033E-04	4.892E-07	4.048E-09	3.721E-11	5.423E-05	7.493E-01	5.367E-19	2.861E-19
2.000E+03	7.390E-21	7.575E-04	8.156E-07	1.151E-08	7.250E-11	1.111E-04	7.494E-01	5.147E-19	3.156E-19
2.100E+03	4.231E-19	6.467E-04	1.295E-06	2.961E-08	1.328E-10	2.129E-04	7.493E-01	7.288E-19	3.970E-19
2.200E+03	5.152E-18	5.608E-04	1.972E-06	6.995E-08	2.306E-10	3.848E-04	7.492E-01	3.292E-18	2.568E-18
2.300E+03	3.506E-17	4.928E-04	2.894E-06	1.533E-07	3.823E-10	6.610E-04	7.491E-01	1.888E-17	1.635E-17
2.400E+03	1.943E-16	4.381E-04	4.112E-06	3.148E-07	6.087E-10	1.086E-03	7.490E-01	8.849E-17	9.387E-17
2.500E+03	9.393E-16	3.934E-04	5.681E-06	6.101E-07	9.336E-10	1.716E-03	7.489E-01	4.543E-16	4.727E-16
2.600E+03	3.994E-15	3.563E-04	7.651E-06	1.124E-06	1.387E-09	2.618E-03	7.474E-01	1.868E-15	2.108E-15
2.700E+03	1.535E-14	3.291E-04	1.008E-05	1.977E-06	2.303E-09	3.873E-03	7.466E-01	6.931E-14	8.432E-14
2.800E+03	5.368E-14	2.985E-04	1.300E-05	3.341E-06	2.817E-09	5.971E-03	7.449E-01	2.365E-14	3.059E-14
2.900E+03	1.725E-13	2.753E-04	1.646E-05	5.442E-06	3.869E-09	7.815E-03	7.429E-01	7.302E-14	1.017E-13
3.000E+03	5.136E-13	2.594E-04	2.050E-05	8.576E-06	5.251E-09	1.072E-02	7.404E-01	2.110E-13	3.123E-13
3.100E+03	1.627E-12	2.376E-04	2.514E-05	1.312E-05	6.854E-09	1.440E-02	7.372E-01	5.700E-13	8.934E-13
3.200E+03	3.724E-12	2.217E-04	3.038E-05	1.952E-05	8.866E-09	1.898E-02	7.332E-01	1.448E-12	2.395E-12
3.300E+03	9.178E-12	2.072E-04	3.623E-05	2.832E-05	1.128E-08	2.499E-02	7.283E-01	3.476E-12	6.059E-12

TABLE II. - Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.854E-05	1.433E-01	6.066E-02	2.282E-05	1.200E-04	4.412E-06	1.111E-16	0.	0.	9.000E+03
2.142E-05	1.360E-01	5.314E-02	2.644E-05	1.647E-04	5.685E-06	2.943E-16	0.	0.	9.200E+03
2.457E-05	1.680E-01	4.608E-02	3.003E-05	2.215E-04	7.186E-06	7.427E-16	0.	0.	9.400E+03
2.800E-05	1.790E-01	3.958E-02	3.341E-05	2.922E-04	8.921E-06	1.793E-15	0.	0.	9.600E+03
3.171E-05	1.490E-01	3.371E-02	3.651E-05	3.786E-04	1.089E-05	4.150E-15	0.	0.	9.800E+03
3.572E-05	1.479E-01	2.850E-02	3.925E-05	4.827E-04	1.309E-05	9.241E-15	0.	0.	1.000E+04
4.009E-05	2.261E-01	1.158E-02	4.702E-05	1.335E-03	2.721E-05	3.096E-13	0.	0.	1.100E+04
4.124E-05	2.356E-01	4.690E-03	4.759E-05	2.937E-03	4.566E-05	5.521E-12	0.	0.	1.200E+04
1.274E-04	2.360E-01	2.022E-03	4.497E-05	5.583E-03	6.705E-05	6.247E-11	0.	0.	1.300E+04
1.658E-04	2.313E-01	4.353E-04	4.109E-05	9.563E-03	8.954E-05	4.999E-10	2.774E-24	0.	1.400E+04
2.025E-04	2.228E-01	4.591E-04	3.661E-05	1.509E-02	1.107E-04	3.633E-09	1.769E-22	0.	1.500E+04
2.337E-04	2.111E-01	2.352E-04	3.181E-05	2.226E-02	1.250E-04	1.483E-08	6.845E-21	0.	1.600E+04
2.556E-04	1.963E-01	1.238E-04	2.688E-05	3.047E-02	1.392E-04	6.024E-08	1.761E-19	0.	1.700E+04
2.656E-04	1.742E-01	6.605E-05	2.204E-05	4.095E-02	1.429E-04	2.099E-07	3.227E-18	0.	1.800E+04
2.648E-04	1.603E-01	3.534E-05	1.749E-05	5.172E-02	1.390E-04	6.430E-07	4.455E-17	0.	1.900E+04
2.481E-04	1.406E-01	1.882E-05	1.343E-05	6.272E-02	1.285E-04	1.764E-06	4.841E-16	0.	2.000E+04
2.243E-04	1.210E-01	9.929E-06	9.994E-06	7.337E-02	1.134E-04	4.405E-06	4.288E-15	0.	2.100E+04
1.946E-04	1.025E-01	5.186E-06	7.226E-06	8.317E-02	9.607E-05	1.014E-05	3.188E-14	0.	2.200E+04
1.634E-04	8.500E-02	2.685E-06	5.102E-06	9.178E-02	7.882E-05	2.176E-05	2.036E-13	0.	2.300E+04
1.332E-04	7.382E-02	1.384E-06	3.537E-06	9.902E-02	6.256E-05	4.395E-05	1.138E-12	0.	2.400E+04
1.060E-04	5.825E-02	7.134E-07	2.423E-06	1.049E-01	4.876E-05	8.418E-05	5.658E-12	0.	2.500E+04
8.306E-05	4.779E-02	3.697E-07	1.649E-06	1.095E-01	3.746E-05	1.539E-04	2.533E-11	0.	2.600E+04
6.438E-05	3.924E-02	1.935E-07	1.127E-06	1.131E-01	2.854E-05	2.701E-04	1.032E-10	0.	2.700E+04
4.966E-05	3.232E-02	1.026E-07	7.649E-07	1.157E-01	2.187E-05	4.569E-04	3.883E-10	0.	2.800E+04
3.829E-05	2.673E-02	5.259E-08	5.246E-07	1.175E-01	1.645E-05	7.478E-04	1.237E-09	0.	2.900E+04
2.944E-05	2.224E-02	3.031E-08	3.620E-07	1.187E-01	1.253E-05	1.186E-03	4.303E-09	0.	3.000E+04
2.310E-05	1.860E-02	1.690E-08	2.518E-07	1.193E-01	9.577E-06	1.830E-03	1.246E-08	0.	3.100E+04
1.817E-05	1.563E-02	9.575E-09	1.763E-07	1.193E-01	7.360E-06	2.748E-03	3.863E-08	0.	3.200E+04
1.445E-05	1.320E-02	5.505E-09	1.241E-07	1.187E-01	5.684E-06	4.021E-03	9.762E-08	0.	3.300E+04
1.164E-05	1.118E-02	3.204E-09	8.769E-08	1.174E-01	4.411E-06	5.738E-03	2.459E-07	0.	3.400E+04
9.501E-06	9.453E-03	1.883E-09	6.204E-08	1.154E-01	3.437E-06	7.987E-03	5.872E-07	1.232E-14	3.500E+04
7.459E-06	8.262E-03	1.113E-09	4.383E-08	1.126E-01	2.688E-06	1.085E-02	1.332E-06	6.422E-14	3.600E+04
6.588E-06	6.818E-03	6.807E-10	3.084E-08	1.090E-01	2.101E-06	1.438E-02	2.873E-06	2.424E-13	3.700E+04
5.955E-06	5.786E-03	3.921E-10	2.156E-08	1.046E-01	1.644E-06	1.859E-02	5.938E-06	1.141E-12	3.800E+04
5.111E-06	4.476E-03	2.322E-10	1.492E-08	9.942E-02	1.285E-06	2.347E-02	1.160E-05	4.255E-12	3.900E+04
4.184E-06	4.088E-03	1.368E-10	1.023E-08	9.351E-02	1.032E-06	2.892E-02	2.180E-05	1.471E-11	4.000E+04
3.677E-06	3.408E-03	8.009E-11	6.926E-09	8.705E-02	7.782E-07	3.484E-02	3.928E-05	4.737E-11	4.100E+04
3.262E-06	2.823E-03	4.654E-11	4.630E-09	8.020E-02	6.023E-07	4.104E-02	6.795E-05	1.427E-10	4.200E+04
2.919E-06	2.324E-03	2.883E-11	3.057E-09	7.318E-02	4.641E-07	4.736E-02	1.133E-04	4.040E-10	4.300E+04
2.631E-06	1.901E-03	1.536E-11	1.995E-09	6.617E-02	3.562E-07	5.360E-02	1.826E-04	1.080E-09	4.400E+04
2.386E-06	1.547E-03	8.734E-12	1.289E-09	5.935E-02	2.723E-07	5.960E-02	2.851E-04	2.737E-09	4.500E+04
2.177E-06	1.252E-03	4.942E-12	6.251E-10	5.287E-02	2.074E-07	6.524E-02	4.324E-04	6.607E-09	4.600E+04
1.995E-06	1.015E-03	2.786E-12	5.248E-10	4.882E-02	1.578E-07	7.041E-02	6.385E-04	1.524E-08	4.700E+04
1.837E-06	8.115E-04	1.567E-12	3.320E-10	4.126E-02	1.195E-07	7.503E-02	9.209E-04	3.373E-08	4.800E+04
1.697E-06	6.812E-04	8.812E-13	2.094E-10	3.623E-02	9.354E-08	7.906E-02	1.298E-03	7.184E-08	4.900E+04
1.573E-06	5.211E-04	4.958E-13	1.318E-10	3.172E-02	6.895E-08	8.249E-02	1.793E-03	1.476E-07	5.000E+04

P/PU = 1.60E+02

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	5.485E-02	7.192E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.247E-01	1.085E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.886E-01	1.361E-20	0.	0.	0.	0.	0.	7.000E+02
0.	0.	2.237E-01	1.624E-20	0.	0.	0.	0.	0.	8.000E+02
0.	0.	2.383E-01	1.921E-20	0.	0.	0.	0.	0.	9.000E+02
0.	0.	2.443E-01	2.210E-20	0.	0.	0.	0.	0.	1.000E+03
0.	0.	2.143E-01	2.466E-20	0.	0.	0.	0.	0.	1.100E+03
0.	0.	1.659E-01	2.874E-20	0.	0.	0.	0.	0.	1.200E+03
0.	0.	6.594E-01	2.891E-20	0.	0.	0.	0.	0.	1.300E+03
0.	0.	1.552E-01	2.937E-20	1.190E-31	0.	0.	0.	0.	1.400E+03
0.	0.	2.401E-01	3.001E-20	1.049E-30	0.	0.	0.	0.	1.500E+03
0.	0.	2.626E-01	3.027E-20	6.985E-30	0.	0.	0.	0.	1.600E+03
0.	0.	2.196E-01	3.025E-20	3.894E-29	0.	0.	0.	0.	1.700E+03
0.	0.	1.444E-01	3.031E-20	1.613E-28	0.	0.	0.	0.	1.800E+03
0.	0.	7.746E-01	2.981E-20	5.996E-28	0.	0.	0.	0.	1.900E+03
0.	0.	3.559E-01	2.934E-20	1.982E-27	0.	0.	0.	0.	2.000E+03
0.	0.	1.407E-01	2.898E-20	6.433E-27	6.637E-29	0.	0.	0.	2.100E+03
0.	0.	6.913E-01	2.898E-01	1.982E-19	1.045E-25	2.815E-27	0.	0.	2.200E+03
0.	0.	1.340E-01	2.898E-01	1.164E-18	1.505E-24	5.177E-26	0.	0.	2.300E+03
0.	0.	3.383E-01	2.898E-01	6.198E-18	1.826E-23	7.606E-25	0.	0.	2.400E+03
0.	0.	1.988E-01	2.897E-01	2.914E-17	1.830E-22	8.942E-24	0.	0.	2.500E+03
0.	0.	1.033E-01	2.896E-01	1.220E-16	1.941E-21	8.678E-23	0.	0.	2.600E+03
0.	0.	6.730E-01	2.894E-01	4.601E-16	1.110E-20	7.109E-22	0.	0.	2.700E+03
0.	0.	1.935E-01	2.892E-01	1.581E-15	6.958E-20	5.006E-21	0.	0.	2.800E+03
0.	0.	7.180E-01	2.889E-01	5.000E-15	3.848E-19	3.077E-20	0.	0.	2.900E+03
0.	0.	2.438E-01	2.888E-01	1.466E-14	1.402E-18	1.874E-19	0.	0.	3.000E+03
0.	0.	7.638E-01	2.881E-01	4.018E-14	8.490E-18	8.152E-19	0.	0.	3.100E+03
0.	0.	2.224E-01	2.878E-01	1.035E-13	3.457E-17	3.591E-18	0.	0.	3.200E+03
0.	0.	3.166E-01	2.868E-01	2.523E-13	1.294E-16	1.444E-17	0.	0.	3.300E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	N2	N2+	h+
3.400E+03	2.147E-11	1.940E-04	4.266E-05	4.016E-05	1.411E-08	3.135E-02	7.224E-01	7.929E-12	1.451E-11
3.500E+03	4.786E-11	1.817E-04	4.963E-05	5.574E-05	1.739E-08	3.929E-02	7.153E-01	1.725E-11	3.308E-11
3.600E+03	1.021E-10	1.702E-04	5.710E-05	7.587E-05	2.113E-08	4.842E-02	7.071E-01	3.593E-11	7.270E-11
3.700E+03	2.091E-10	1.594E-04	6.499E-05	1.014E-04	2.532E-08	5.974E-02	6.975E-01	7.187E-11	1.507E-10
3.800E+03	4.126E-10	1.491E-04	7.321E-05	1.332E-04	2.995E-08	7.223E-02	6.866E-01	1.385E-10	3.030E-10
3.900E+03	7.864E-10	1.392E-04	8.164E-05	1.721E-04	3.498E-08	8.626E-02	6.742E-01	2.577E-10	5.881E-10
4.000E+03	1.451E-09	1.297E-04	9.018E-05	2.192E-04	4.036E-08	1.022E-01	6.603E-01	4.441E-10	1.104E-09
4.100E+03	2.598E-09	1.205E-04	9.867E-05	2.751E-04	4.603E-08	1.197E-01	6.449E-01	8.108E-10	2.010E-09
4.200E+03	4.524E-09	1.116E-04	1.070E-04	3.408E-04	5.189E-08	1.389E-01	6.281E-01	1.377E-09	3.554E-09
4.300E+03	7.675E-09	1.031E-04	1.150E-04	4.168E-04	5.786E-08	1.597E-01	6.098E-01	2.275E-09	6.119E-09
4.400E+03	1.271E-08	9.481E-05	1.225E-04	5.036E-04	6.383E-08	1.821E-01	5.902E-01	3.665E-09	1.027E-08
4.500E+03	2.056E-08	8.635E-05	1.294E-04	6.016E-04	6.967E-08	2.060E-01	5.692E-01	5.766E-09	1.685E-08
4.600E+03	3.256E-08	7.922E-05	1.356E-04	7.109E-04	7.528E-08	2.311E-01	5.471E-01	8.865E-09	2.701E-08
4.700E+03	5.054E-08	7.193E-05	1.409E-04	8.314E-04	8.055E-08	2.574E-01	5.246E-01	1.334E-08	4.274E-08
4.800E+03	7.697E-08	6.501E-05	1.453E-04	9.624E-04	8.566E-08	2.847E-01	5.030E-01	1.967E-08	6.535E-08
4.900E+03	1.151E-07	5.846E-05	1.486E-04	1.105E-03	9.033E-08	3.127E-01	4.753E-01	2.804E-08	9.876E-08
5.000E+03	1.693E-07	5.232E-05	1.509E-04	1.256E-03	9.320E-08	3.412E-01	4.502E-01	4.237E-08	1.467E-07
5.200E+03	3.496E-07	4.129E-05	1.524E-04	1.584E-03	9.805E-08	3.988E-01	3.995E-01	7.722E-08	3.081E-07
5.400E+03	6.418E-07	3.197E-05	1.499E-04	1.938E-03	1.108E-07	4.555E-01	3.494E-01	1.386E-07	6.098E-07
5.600E+03	1.264E-06	2.433E-05	1.439E-04	2.308E-03	1.204E-07	5.095E-01	3.014E-01	2.346E-07	1.144E-06
5.800E+03	2.237E-06	1.823E-05	1.353E-04	2.684E-03	1.274E-07	5.594E-01	2.570E-01	3.777E-07	2.045E-06
6.000E+03	3.803E-06	1.348E-05	1.249E-04	3.057E-03	1.323E-07	6.042E-01	2.169E-01	5.801E-07	3.501E-06
6.200E+03	6.233E-06	9.877E-06	1.135E-04	3.419E-03	1.362E-07	6.432E-01	1.815E-01	8.568E-07	5.764E-06
6.400E+03	9.883E-06	7.187E-06	1.020E-04	3.763E-03	1.394E-07	6.764E-01	1.510E-01	1.215E-06	9.161E-06
6.600E+03	1.523E-05	5.210E-06	9.071E-05	4.086E-03	1.429E-07	7.040E-01	1.252E-01	1.672E-06	1.411E-05
6.800E+03	2.284E-05	3.770E-06	8.006E-05	4.384E-03	1.462E-07	7.264E-01	1.036E-01	2.236E-06	2.111E-05
7.000E+03	3.347E-05	2.729E-06	7.024E-05	4.632E-03	1.494E-07	7.441E-01	8.569E-02	2.919E-06	3.079E-05
7.200E+03	4.800E-05	1.979E-06	6.133E-05	4.889E-03	1.520E-07	7.576E-01	7.097E-02	3.727E-06	4.386E-05
7.400E+03	6.753E-05	1.439E-06	5.333E-05	5.092E-03	1.548E-07	7.680E-01	5.890E-02	4.669E-06	6.115E-05
7.600E+03	9.337E-05	1.049E-06	4.623E-05	5.257E-03	1.573E-07	7.753E-01	4.904E-02	5.749E-06	8.363E-05
7.800E+03	1.270E-04	7.680E-07	3.995E-05	5.384E-03	1.473E-07	7.800E-01	4.097E-02	6.973E-06	1.127E-04
8.000E+03	1.733E-04	5.639E-07	3.443E-05	5.469E-03	1.290E-07	7.827E-01	3.436E-02	8.367E-06	1.485E-04
8.200E+03	2.254E-04	4.154E-07	2.958E-05	5.511E-03	1.251E-07	7.837E-01	2.895E-02	9.861E-06	1.933E-04
8.400E+03	2.944E-04	3.070E-07	2.535E-05	5.511E-03	1.160E-07	7.833E-01	2.449E-02	1.153E-05	2.483E-04
8.600E+03	3.802E-04	2.276E-07	2.167E-05	5.474E-03	1.013E-07	7.818E-01	2.082E-02	1.335E-05	3.149E-04
8.800E+03	4.857E-04	1.693E-07	1.848E-05	5.388E-03	1.509E-08	7.795E-01	1.779E-02	1.574E-05	3.950E-04
9.000E+03	6.142E-04	1.262E-07	1.571E-05	5.270E-03	1.245E-08	7.766E-01	1.528E-02	1.748E-05	4.922E-04
9.200E+03	7.692E-04	9.445E-08	1.334E-05	5.119E-03	1.019E-08	7.733E-01	1.318E-02	1.980E-05	6.028E-04
9.400E+03	9.546E-04	7.091E-08	1.130E-05	4.941E-03	8.272E-09	7.699E-01	1.144E-02	2.231E-05	7.349E-04
9.600E+03	1.175E-03	5.343E-08	9.559E-06	4.741E-03	6.672E-09	7.665E-01	9.476E-03	2.501E-05	8.890E-04
9.800E+03	1.433E-03	4.042E-08	8.040E-06	4.525E-03	5.349E-09	7.631E-01	8.744E-03	2.792E-05	1.068E-03
1.000E+04	1.736E-03	3.071E-08	6.829E-06	4.300E-03	4.268E-09	7.600E-01	7.707E-03	3.106E-05	1.274E-03
1.100E+04	4.081E-03	8.395E-09	2.984E-06	3.188E-03	1.337E-09	7.474E-01	4.391E-03	5.061E-05	2.837E-03
1.200E+04	8.342E-03	2.629E-09	1.375E-06	2.304E-03	4.315E-10	7.380E-01	2.741E-03	7.725E-05	5.623E-03
1.300E+04	1.530E-02	9.303E-10	6.757E-07	1.686E-03	1.509E-10	7.272E-01	1.817E-03	1.109E-04	1.013E-02
1.400E+04	2.759E-02	3.614E-10	3.499E-07	1.247E-03	5.688E-11	7.124E-01	1.250E-03	1.507E-04	1.687E-02
1.500E+04	4.033E-02	1.496E-10	1.877E-07	9.292E-04	2.263E-11	6.921E-01	8.797E-04	1.930E-04	2.627E-02
1.600E+04	5.948E-02	6.416E-11	1.024E-07	6.909E-04	9.284E-12	6.655E-01	6.245E-04	2.358E-04	3.866E-02
1.700E+04	8.326E-02	2.787E-11	5.598E-08	5.083E-04	3.840E-12	6.327E-01	4.429E-04	2.745E-04	5.416E-02
1.800E+04	1.113E-01	1.202E-11	3.025E-08	3.674E-04	1.572E-12	5.928E-01	3.112E-04	3.764E-04	7.266E-02
1.900E+04	1.429E-01	5.075E-12	1.600E-08	2.594E-04	6.275E-13	5.481E-01	2.153E-04	3.733E-04	9.379E-02
2.000E+04	1.767E-01	2.074E-12	8.226E-09	1.783E-04	2.420E-13	4.998E-01	1.459E-04	3.287E-04	1.169E-01
2.100E+04	2.116E-01	8.161E-13	4.095E-09	1.191E-04	8.965E-14	4.493E-01	9.671E-05	3.201E-04	1.412E-01
2.200E+04	2.461E-01	3.087E-13	1.974E-09	7.736E-05	3.140E-14	3.989E-01	6.263E-05	2.497E-04	1.658E-01
2.300E+04	2.769E-01	1.128E-13	9.235E-10	4.903E-05	1.395E-14	3.504E-01	3.970E-05	2.708E-04	1.898E-01
2.400E+04	3.091E-01	3.985E-14	4.218E-10	3.045E-05	3.651E-15	3.052E-01	2.470E-05	2.372E-04	2.125E-01
2.500E+04	3.361E-01	1.381E-14	1.894E-10	1.862E-05	1.194E-15	2.642E-01	1.518E-05	2.024E-04	2.373E-01
2.600E+04	3.598E-01	4.733E-15	8.428E-11	1.129E-05	3.873E-16	2.280E-01	9.218E-06	1.692E-04	2.518E-01
2.700E+04	3.801E-01	1.619E-15	3.744E-11	6.818E-06	1.258E-16	1.965E-01	5.587E-06	1.192E-04	2.681E-01
2.800E+04	3.974E-01	5.582E-16	1.672E-11	4.122E-06	4.130E-17	1.694E-01	3.383E-06	1.132E-04	2.821E-01
2.900E+04	4.120E-01	1.953E-16	7.548E-12	2.505E-06	1.380E-17	1.468E-01	2.060E-06	9.151E-05	2.940E-01
3.000E+04	4.242E-01	6.973E-17	3.459E-12	1.535E-06	4.714E-18	1.274E-01	1.264E-06	7.368E-05	3.041E-01
3.100E+04	4.348E-01	2.551E-17	1.614E-12	9.494E-07	1.653E-18	1.115E-01	7.816E-07	5.927E-05	3.124E-01
3.200E+04	4.434E-01	9.584E-18	7.675E-13	5.937E-07	5.953E-19	9.794E-02	4.918E-07	4.773E-05	3.194E-01
3.300E+04	4.510E-01	3.702E-18	3.729E-13	3.753E-07	2.203E-19	8.654E-02	3.124E-07	3.853E-05	3.251E-01
3.400E+04	4.577E-01	1.470E-18	1.844E-13	2.398E-07	6.371E-20	7.689E-02	2.017E-07	3.122E-05	3.298E-01
3.500E+04	4.638E-01	5.994E-19	9.300E-14	1.548E-07	3.257E-20	6.869E-02	1.319E-07	2.560E-05	3.346E-01
3.600E+04	4.694E-01	2.508E-19	4.775E-14	1.037E-07	1.295E-20	6.189E-02	8.751E-08	2.075E-05	3.389E-01
3.700E+04	4.747E-01	1.074E-19	2.491E-14	6.665E-08	5.242E-21	5.568E-02	5.888E-08	1.704E-05	3.433E-01
3.800E+04	4.798E-01	4.700E-20	1.318E-14	4.356E-08	2.154E-21	5.049E-02	4.013E-08	1.426E-05	3.479E-01
3.900E+04	4.846E-01	2.097E-20	7.063E-15	2.885E-08	8.961E-22	4.598E-02	2.772E-08	1.186E-05	3.524E-01
4.000E+04	4.892E-01	9.521E-21	3.825E-15	1.917E-08	3.781E-22	4.204E-02	1.999E-08	9.719E-06	3.566E-01
4.100E+04	4.947E-01	4.342E-21	2.091E-15	1.276E-08	1.589E-22	3.858E-02	1.373E-08	8.134E-06	3.608E-01
4.200E+04	4.995E-01	2.059E-21	1.132E-15	8.506E-09	6.749E-23	3.553E-02	8.832E-09	6.842E-06	3.708E-01
4.300E+04	5.043E-01	9.741E-22	6.397E-16	5.672E-09	2.878E-23	3.281E-02	7.119E-09	5.784E-06	3.806E-01
4.400E+04	5.089E-01	4.678E-22	3.767E-16	3.786E-09	1.231E-23	3.030E-02	5.708E-09	4.912E-06	3.919E-01
4.500E+04	5.132E-01	2.272E-22	2.013E-16	2.529E-09	5.287E-24	2.823E-02	3.849E-09	4.192E-06	3.968E-01
4.600E+04	5.174E-01	1.117E-22	1.141E-16	1.691E-09	2.280E-24	2.629E-02	2.872E-09	3.595E-06	3.979E-01
4.700E+04	5.213E-01	5.555E-23	6.511E-17	1.132E-09	9.881E-25	2.464E-02	2.162E-09	3.095E-06	3.945E-01
4.800E+04	5.249E-01	2.798E-23	3.741E-17	7.601E-10	4.389E-25	2.279E-02	1.642E-09	2.680E-06	3.954E-01
4.900E+04	5.281E-01	1.423E-23	2.169E-17	5.116E-10	1.892E-25	2.151E-02	1.258E-09	2.330E-06	3.934E-01
5.000E+04	5.311E-01	7.348E-24	1.267E-17	3.455E-10	8.380E-26	2.020E-02	9.708E-10	2.034E-06	3.915E-01

TABLE II.- Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.552E-12	5.307E-06	2.460E-01	5.842E-13	4.491E-16	5.340E-17	0.	0.	0.	3.400E+03
3.759E-12	8.633E-06	2.450E-01	1.291E-12	1.453E-15	1.830E-16	0.	0.	0.	3.500E+03
8.648E-12	1.367E-05	2.438E-01	2.733E-12	4.410E-15	5.844E-16	0.	0.	0.	3.600E+03
1.897E-11	2.110E-05	2.424E-01	5.562E-12	1.262E-14	1.750E-15	0.	0.	0.	3.700E+03
3.980E-11	3.183E-05	2.408E-01	1.091E-11	3.421E-14	4.937E-15	0.	0.	0.	3.800E+03
8.016E-11	4.679E-05	2.390E-01	2.071E-11	8.822E-14	1.318E-14	0.	0.	0.	3.900E+03
1.554E-10	6.801E-05	2.370E-01	3.808E-11	2.172E-13	3.343E-14	0.	0.	0.	4.000E+03
2.907E-10	9.662E-05	2.348E-01	6.804E-11	5.124E-13	8.084E-14	0.	0.	0.	4.100E+03
5.250E-10	1.349E-04	2.323E-01	1.183E-10	1.162E-12	1.870E-13	0.	0.	0.	4.200E+03
9.216E-10	1.874E-04	2.296E-01	2.037E-10	2.538E-12	4.153E-13	0.	0.	0.	4.300E+03
1.564E-09	2.509E-04	2.268E-01	3.325E-10	5.356E-12	8.87CE-13	0.	0.	0.	4.400E+03
2.599E-09	3.349E-04	2.237E-01	5.391E-10	1.055E-11	1.828E-12	0.	0.	0.	4.500E+03
4.193E-09	4.612E-04	2.204E-01	8.562E-10	2.172E-11	3.640E-12	0.	0.	0.	4.600E+03
6.555E-09	5.741E-04	2.170E-01	1.334E-09	4.189E-11	7.024E-12	0.	0.	0.	4.700E+03
1.015E-08	7.384E-04	2.134E-01	2.043E-09	7.870E-11	1.315E-11	0.	0.	0.	4.800E+03
1.526E-08	9.346E-04	2.097E-01	3.075E-09	1.443E-10	2.396E-11	0.	0.	0.	4.900E+03
2.248E-08	1.183E-03	2.059E-01	4.557E-09	2.585E-10	4.249E-11	0.	0.	0.	5.000E+03
4.600E-08	1.824E-03	1.982E-01	9.589E-09	7.846E-10	1.243E-10	0.	0.	0.	5.200E+03
8.765E-08	2.723E-03	1.903E-01	1.916E-08	2.171E-09	3.329E-10	0.	0.	0.	5.400E+03
1.567E-07	3.943E-03	1.826E-01	3.658E-08	5.656E-09	8.242E-10	0.	0.	0.	5.600E+03
2.645E-07	5.561E-03	1.752E-01	6.708E-08	1.786E-08	1.903E-09	0.	0.	0.	5.800E+03
4.245E-07	7.663E-03	1.681E-01	1.186E-07	3.216E-08	4.130E-09	0.	0.	0.	6.000E+03
6.513E-07	1.034E-02	1.614E-01	2.030E-07	7.098E-08	8.477E-09	0.	0.	0.	6.200E+03
9.605E-07	1.369E-02	1.550E-01	3.370E-07	1.446E-07	1.655E-08	6.544E-25	0.	0.	6.400E+03
1.388E-06	1.781E-02	1.488E-01	5.435E-07	3.023E-07	3.088E-08	4.707E-24	0.	0.	6.600E+03
1.951E-06	2.279E-02	1.427E-01	8.527E-07	5.872E-07	5.529E-08	3.028E-23	0.	0.	6.800E+03
2.546E-06	2.873E-02	1.367E-01	1.303E-06	1.095E-06	9.536E-08	1.758E-22	0.	0.	7.000E+03
3.349E-06	3.586E-02	1.305E-01	1.639E-06	1.986E-06	1.589E-07	4.266E-22	0.	0.	7.200E+03
4.316E-06	4.388E-02	1.241E-01	2.814E-06	3.471E-06	2.563E-07	4.466E-21	0.	0.	7.400E+03
5.464E-06	5.276E-02	1.174E-01	3.979E-06	5.878E-06	4.012E-07	1.979E-20	0.	0.	7.600E+03
6.808E-06	6.246E-02	1.104E-01	5.488E-06	9.658E-06	6.105E-07	8.109E-20	0.	0.	7.800E+03
8.363E-06	7.343E-02	1.031E-01	7.383E-06	1.542E-05	9.047E-07	3.085E-19	0.	0.	8.000E+03
1.014E-05	8.582E-02	9.552E-02	9.688E-06	2.394E-05	1.107E-06	1.095E-18	0.	0.	8.200E+03
1.216E-05	9.837E-02	8.770E-02	1.241E-05	3.621E-05	1.443E-06	3.662E-18	0.	0.	8.400E+03
1.443E-05	1.114E-01	7.757E-02	1.551E-05	5.341E-05	2.540E-06	1.139E-17	0.	0.	8.600E+03
1.696E-05	1.245E-01	7.179E-02	1.893E-05	7.689E-05	3.424E-06	3.362E-17	0.	0.	8.800E+03
1.976E-05	1.376E-01	6.397E-02	2.258E-05	1.082E-04	4.516E-06	9.398E-17	0.	0.	9.000E+03
2.284E-05	1.503E-01	5.641E-02	2.635E-05	1.490E-04	5.846E-06	2.496E-16	0.	0.	9.200E+03
2.621E-05	1.623E-01	4.928E-02	3.011E-05	2.010E-04	7.409E-06	4.321E-16	0.	0.	9.400E+03
2.988E-05	1.738E-01	4.260E-02	3.373E-05	2.659E-04	9.231E-06	1.530E-15	0.	0.	9.600E+03
3.385E-05	1.841E-01	3.653E-02	3.71CE-05	3.457E-04	1.131E-05	3.553E-15	0.	0.	9.800E+03
3.814E-05	1.933E-01	3.139E-02	4.014E-05	4.421E-04	1.386E-05	7.935E-15	0.	0.	1.000E+04
4.272E-05	2.023E-01	2.598E-02	4.428E-05	5.623E-04	1.675E-05	2.687E-14	0.	0.	1.000E+04
4.761E-05	2.147E-01	2.030E-02	4.893E-05	7.188E-04	2.001E-05	4.817E-14	0.	0.	1.200E+04
5.285E-05	2.306E-01	1.511E-02	5.406E-05	9.221E-03	2.372E-05	5.462E-14	0.	0.	1.300E+04
5.848E-05	2.420E-01	1.075E-02	5.961E-05	1.195E-02	2.765E-05	6.276E-14	0.	0.	1.400E+04
6.452E-05	2.542E-01	7.531E-03	6.566E-05	1.614E-02	3.194E-05	7.245E-14	0.	0.	1.500E+04
7.100E-05	2.673E-01	5.242E-03	7.220E-05	2.109E-02	3.665E-05	8.445E-14	0.	0.	1.600E+04
7.795E-05	2.812E-01	3.743E-03	7.945E-05	2.695E-02	4.188E-05	9.800E-14	0.	0.	1.700E+04
8.540E-05	2.958E-01	2.743E-03	8.710E-05	3.422E-02	4.765E-05	1.136E-13	0.	0.	1.800E+04
9.340E-05	3.111E-01	1.958E-03	9.520E-05	4.290E-02	5.398E-05	1.316E-13	0.	0.	1.900E+04
1.019E-04	3.270E-01	1.458E-03	1.038E-04	5.310E-02	6.088E-05	1.524E-13	0.	0.	2.000E+04
1.110E-04	3.434E-01	1.075E-03	1.128E-04	6.460E-02	6.840E-05	1.761E-13	0.	0.	2.100E+04
1.204E-04	3.603E-01	7.952E-04	1.224E-04	7.740E-02	7.655E-05	2.024E-13	0.	0.	2.200E+04
1.302E-04	3.777E-01	5.882E-04	1.326E-04	9.160E-02	8.538E-05	2.316E-13	0.	0.	2.300E+04
1.404E-04	3.957E-01	4.382E-04	1.434E-04	1.074E-01	9.490E-05	2.632E-13	0.	0.	2.400E+04
1.510E-04	4.142E-01	3.282E-04	1.548E-04	1.250E-01	1.052E-04	2.984E-13	0.	0.	2.500E+04
1.620E-04	4.332E-01	2.482E-04	1.668E-04	1.444E-01	1.160E-04	3.374E-13	0.	0.	2.600E+04
1.734E-04	4.527E-01	1.882E-04	1.794E-04	1.658E-01	1.274E-04	3.804E-13	0.	0.	2.700E+04
1.852E-04	4.727E-01	1.402E-04	1.926E-04	1.890E-01	1.394E-04	4.274E-13	0.	0.	2.800E+04
1.974E-04	4.932E-01	1.042E-04	2.064E-04	2.140E-01	1.518E-04	4.784E-13	0.	0.	2.900E+04
2.100E-04	5.142E-01	7.822E-05	2.208E-04	2.404E-01	1.646E-04	5.334E-13	0.	0.	3.000E+04
2.230E-04	5.357E-01	5.822E-05	2.358E-04	2.682E-01	1.778E-04	5.924E-13	0.	0.	3.100E+04
2.364E-04	5.577E-01	4.322E-05	2.514E-04	3.074E-01	1.914E-04	6.554E-13	0.	0.	3.200E+04
2.502E-04	5.802E-01	3.222E-05	2.676E-04	3.480E-01	2.054E-04	7.224E-13	0.	0.	3.300E+04
2.644E-04	6.032E-01	2.322E-05	2.844E-04	3.900E-01	2.198E-04	7.934E-13	0.	0.	3.400E+04
2.790E-04	6.267E-01	1.622E-05	3.018E-04	4.340E-01	2.346E-04	8.684E-13	0.	0.	3.500E+04
2.940E-04	6.507E-01	1.122E-05	3.198E-04	4.800E-01	2.498E-04	9.474E-13	0.	0.	3.600E+04
3.094E-04	6.752E-01	8.222E-06	3.384E-04	5.280E-01	2.654E-04	1.030E-12	0.	0.	3.700E+04
3.252E-04	7.002E-01	5.922E-06	3.576E-04	5.780E-01	2.814E-04	1.116E-12	0.	0.	3.800E+04
3.414E-04	7.257E-01	4.322E-06	3.774E-04	6.300E-01	2.978E-04	1.206E-12	0.	0.	3.900E+04
3.580E-04	7.517E-01	3.222E-06	3.986E-04	6.840E-01	3.146E-04	1.298E-12	0.	0.	4.000E+04
3.750E-04	7.782E-01	2.322E-06	4.202E-04	7.400E-01	3.318E-04	1.392E-12	0.	0.	4.100E+04
3.924E-04	8.052E-01	1.622E-06	4.432E-04	7.980E-01	3.494E-04	1.488E-12	0.	0.	4.200E+04
4.102E-04	8.327E-01	1.122E-06	4.666E-04	8.580E-01	3.674E-04	1.586E-12	0.	0.	4.300E+04
4.284E-04	8.607E-01	8.222E-07	4.904E-04	9.200E-01	3.858E-04	1.686E-12	0.	0.	4.400E+04
4.470E-04	8.892E-01	5.922E-07	5.146E-04	9.840E-01	4.046E-04	1.788E-12	0.	0.	4.500E+04
4.660E-04	9.182E-01	4.322E-07	5.392E-04	1.050E-01	4.238E-04	1.892E-12	0.	0.	4.600E+04
4.854E-04	9.477E-01	3.222E-07	5.642E-04	1.118E-01	4.434E-04	2.000E-12	0.	0.	4.700E+04
5.052E-04	9.777E-01	2.322E-07	5.896E-04	1.188E-01	4.634E-04	2.112E-12	0.	0.	4.800E+04
5.254E-04	1.0082E+01	1.622E-07	6.154E-04	1.260E-01	4.838E-04	2.228E-12	0.	0.	4.900E+04
5.460E-04	1.0392E+01	1.122E-07	6.416E-04	1.334E-01	5.046E-04	2.348E-12	0.	0.	5.000E+04
5.670E-04	1.0707E+01	8.222E-08	6.682E-04	1.410E-01	5.258E-04	2.472E-12	0.	0.	5.100E+04
5.884E-04	1.1027E+01	5.922E-08	6.952E-04	1.488E-01	5.474E-04	2.600E-12	0.	0.	5.200E+04
6.102E-04	1.1352E+01	4.322E-08	7.226E-04	1.568E-01	5.694E-04	2.732E-12	0.	0.	5.300E+04
6.324E-04	1.1682E+01	3.222E-08	7.506E-04	1.650E-01	5.918E-04	2.868E-12	0.	0.	5.400E+04
6.550E-04	1.2017E+01	2.322E-08	7.792E-04	1.734E-01	6.146E-04	3.008E-12	0.	0.	5.500E+04
6.780E-04	1.2357E+01	1.622E-08	8.084E-04	1.820E-01	6.378E-04	3.152E-12	0.	0.	5.600E+04
7.014E-04	1.2702E+01	1.122E-08	8.382E-04	1.908E-01	6.612E-04	3.300E-12	0.	0.	5.700E+04
7.252E-04	1.3052E+01	8.222E-09	8.686E-04	1.998E-01	6.850E-04	3.452E-12	0.	0.	5.800E+04
7.494E-04	1.3407E+01	5.922E-09	8.996E-04	2.090E-01	7.092E-04	3.608E-12	0.	0.	5.900E+04
7.740E-04	1.3767E+01	4.322E-09	9.312E-04	2.184E-01	7.338E-04	3.768E-12	0.	0.	6.000E+04
7.990E-04	1.4132E+01	3.222E-09	9.634E-04	2.280E-01	7.588E-04	3.932E-12	0.	0.	6.100E+04
8.244E-04	1.4502E+01	2.322E-09	9.962E-04	2.378E-01	7.842E-04	4.100E-12	0.	0.	6.200E+04
8.502E-04	1.4877E+01	1.622E-09	1.0296E-03	2.478E-01	8.098E-04	4.272E-12	0.	0.	6.300E+04
8.764E-04	1.5257E+01	1.122E-09	1.0632E-03	2.580E-01	8.358E-04	4.448E-12	0.	0.	6.400E+04
9.03									

TABLE II.- Continued

P/PO = 1.00E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2O	H4
5.000E+02	0.	7.917E-01	1.291E-20	3.366E-35	2.170E-28	2.366E-22	1.562E-01	1.510E-18	7.970E-22
6.000E+02	0.	5.208E-01	3.416E-17	4.316E-29	4.810E-24	2.077E-18	3.594E-01	1.282E-18	2.402E-21
7.000E+02	0.	2.635E-01	7.244E-15	8.432E-25	4.253E-21	1.406E-16	5.525E-01	1.057E-18	5.409E-21
8.000E+02	0.	1.157E-01	3.209E-13	1.211E-21	5.121E-17	1.763E-13	6.632E-01	5.225E-19	1.086E-20
9.000E+02	0.	5.190E-02	5.436E-12	3.213E-19	1.827E-17	7.361E-12	7.111E-01	8.564E-19	2.006E-20
1.000E+03	0.	2.556E-02	4.978E-11	2.713E-17	3.009E-16	1.448E-10	7.308E-01	8.173E-19	3.362E-20
1.100E+03	0.	1.396E-02	2.987E-10	1.012E-15	2.914E-15	1.658E-09	7.395E-01	7.865E-19	5.221E-20
1.200E+03	0.	8.327E-03	1.318E-09	2.056E-14	1.926E-14	1.269E-08	7.438E-01	7.570E-19	7.478E-20
1.300E+03	0.	5.360E-03	4.604E-09	2.623E-13	5.505E-14	7.120E-08	7.460E-01	7.769E-19	1.007E-19
1.400E+03	0.	3.670E-03	1.343E-08	2.325E-12	3.740E-13	3.132E-07	7.472E-01	6.961E-19	1.290E-19
1.500E+03	2.483E-34	2.644E-03	3.393E-08	1.540E-11	1.229E-12	1.134E-06	7.480E-01	6.645E-19	1.564E-19
1.600E+03	0.	1.986E-03	7.627E-08	8.049E-11	3.488E-12	3.503E-06	7.485E-01	6.340E-19	1.886E-19
1.700E+03	4.860E-28	1.545E-03	1.558E-07	7.464E-10	8.780E-12	9.493E-06	7.488E-01	6.038E-19	2.184E-19
1.800E+03	2.083E-25	1.237E-03	2.940E-07	1.268E-09	2.000E-11	2.307E-05	7.491E-01	5.747E-19	2.474E-19
1.900E+03	4.781E-23	1.016E-03	5.188E-07	4.047E-09	4.186E-11	5.113E-05	7.492E-01	5.472E-19	2.751E-19
2.000E+03	6.403E-21	8.520E-04	8.649E-07	1.131E-08	8.155E-11	1.068E-04	7.493E-01	5.252E-19	3.036E-19
2.100E+03	3.803E-19	7.275E-04	1.373E-06	2.961E-08	1.946E-10	2.007E-04	7.493E-01	5.207E-19	3.278E-19
2.200E+03	4.770E-18	6.308E-04	2.091E-06	6.994E-08	2.594E-10	3.628E-04	7.492E-01	3.160E-18	2.324E-18
2.300E+03	3.259E-17	5.544E-04	3.049E-06	1.533E-07	4.300E-10	4.232E-04	7.490E-01	1.805E-18	1.474E-17
2.400E+03	1.806E-16	4.929E-04	4.362E-06	3.148E-07	6.843E-10	1.324E-03	7.487E-01	9.421E-17	6.845E-17
2.500E+03	8.487E-16	4.424E-04	6.024E-06	6.101E-07	1.050E-09	1.618E-03	7.482E-01	5.348E-16	3.264E-16
2.600E+03	3.707E-15	4.009E-04	8.117E-06	1.124E-06	1.561E-09	2.459E-03	7.475E-01	1.789E-15	1.904E-15
2.700E+03	1.424E-14	3.658E-04	1.069E-05	1.978E-06	2.253E-09	3.652E-03	7.465E-01	6.643E-15	7.610E-15
2.800E+03	4.974E-14	3.359E-04	1.379E-05	3.342E-06	3.170E-09	5.253E-03	7.451E-01	7.249E-14	2.864E-14
2.900E+03	1.598E-13	3.102E-04	1.747E-05	5.444E-06	4.356E-09	7.370E-03	7.433E-01	7.009E-14	3.199E-14
3.000E+03	4.756E-13	2.877E-04	2.176E-05	8.580E-06	5.857E-09	1.011E-02	7.405E-01	7.027E-13	3.693E-13
3.100E+03	1.321E-12	2.677E-04	2.664E-05	1.312E-05	7.720E-09	1.358E-02	7.378E-01	6.053E-13	4.293E-13
3.200E+03	3.445E-12	2.499E-04	3.227E-05	1.953E-05	9.922E-09	1.790E-02	7.341E-01	3.931E-12	2.171E-12
3.300E+03	8.487E-12	2.334E-04	3.850E-05	2.835E-05	1.411E-08	2.320E-02	7.295E-01	3.347E-12	1.842E-12
3.400E+03	1.984E-11	2.190E-04	4.534E-05	4.032E-05	1.592E-08	2.959E-02	7.239E-01	2.641E-12	1.374E-11
3.500E+03	4.423E-11	2.054E-04	5.281E-05	5.584E-05	1.964E-08	3.719E-02	7.172E-01	1.864E-11	3.004E-11
3.600E+03	9.233E-11	1.924E-04	6.081E-05	7.405E-05	2.388E-08	4.610E-02	7.094E-01	1.448E-11	6.570E-11
3.700E+03	1.932E-10	1.804E-04	6.927E-05	1.017E-04	2.885E-08	5.644E-02	7.004E-01	9.945E-11	3.700E-10
3.800E+03	3.811E-10	1.691E-04	7.812E-05	1.336E-04	3.334E-08	6.827E-02	6.908E-01	3.340E-10	7.575E-10
3.900E+03	7.261E-10	1.582E-04	8.723E-05	1.729E-04	3.969E-08	8.147E-02	6.793E-01	2.495E-10	5.253E-10
4.000E+03	1.340E-09	1.477E-04	9.648E-05	2.202E-04	4.847E-08	9.669E-02	6.651E-01	1.500E-10	3.684E-09
4.100E+03	2.396E-09	1.375E-04	1.057E-04	2.768E-04	5.920E-08	1.133E-01	6.535E-01	7.873E-10	1.832E-09
4.200E+03	4.176E-09	1.273E-04	1.149E-04	3.432E-04	7.202E-08	1.316E-01	6.364E-01	1.338E-09	3.242E-09
4.300E+03	7.088E-09	1.183E-04	1.237E-04	4.202E-04	8.616E-08	1.515E-01	6.170E-01	2.215E-09	5.885E-09
4.400E+03	1.174E-08	1.091E-04	1.320E-04	5.043E-04	1.014E-07	1.724E-01	5.982E-01	3.575E-09	9.841E-09
4.500E+03	1.900E-08	1.003E-04	1.398E-04	6.081E-04	1.207E-07	1.957E-01	5.782E-01	5.674E-09	1.540E-08
4.600E+03	3.009E-08	9.183E-05	1.468E-04	7.195E-04	1.477E-07	2.199E-01	5.569E-01	4.600E-09	2.472E-08
4.700E+03	4.672E-08	8.371E-05	1.530E-04	8.428E-04	1.912E-07	2.452E-01	5.347E-01	3.309E-08	3.885E-08
4.800E+03	7.119E-08	7.597E-05	1.582E-04	9.774E-04	2.501E-07	2.715E-01	5.115E-01	2.334E-08	5.988E-08
4.900E+03	1.065E-07	6.863E-05	1.624E-04	1.124E-03	3.043E-07	2.986E-01	4.877E-01	2.803E-08	7.059E-08
5.000E+03	1.574E-07	6.171E-05	1.655E-04	1.280E-03	3.630E-07	3.263E-01	4.633E-01	3.980E-08	1.347E-07
5.100E+03	3.240E-07	4.920E-05	1.683E-04	1.420E-03	4.159E-07	3.524E-01	4.374E-01	5.660E-08	2.835E-07
5.200E+03	6.328E-07	3.851E-05	1.667E-04	1.590E-03	4.764E-07	3.785E-01	4.142E-01	8.223E-07	6.232E-07
5.300E+03	1.176E-06	2.963E-05	1.612E-04	2.380E-03	5.200E-07	4.023E-01	3.916E-01	1.157E-06	1.057E-06
5.400E+03	2.082E-06	2.245E-05	1.527E-04	2.776E-03	5.176E-07	4.251E-01	3.718E-01	3.816E-06	1.894E-06
5.500E+03	3.545E-06	1.679E-05	1.420E-04	3.176E-03	5.880E-07	4.491E-01	3.511E-01	5.894E-06	3.249E-06
5.600E+03	5.818E-06	1.243E-05	1.331E-04	3.565E-03	6.762E-07	4.728E-01	3.308E-01	8.735E-06	5.360E-06
5.700E+03	9.239E-06	9.136E-06	1.176E-04	3.937E-03	7.854E-07	4.882E-01	3.131E-01	1.240E-05	8.537E-06
5.800E+03	1.425E-05	6.682E-06	1.052E-04	4.288E-03	9.029E-07	4.919E-01	2.960E-01	1.725E-05	1.317E-05
5.900E+03	2.139E-05	4.876E-06	9.140E-05	4.613E-03	1.017E-06	4.958E-01	2.809E-01	2.319E-05	1.974E-05
6.000E+03	3.137E-05	3.556E-06	8.235E-05	4.908E-03	7.356E-06	7.350E-01	2.666E-01	3.080E-05	2.884E-05
6.100E+03	4.502E-05	2.596E-06	7.223E-05	5.171E-03	6.555E-06	7.591E-01	2.523E-01	4.114E-05	4.114E-05
6.200E+03	6.336E-05	1.899E-06	5.309E-05	5.399E-03	5.798E-06	7.616E-01	2.387E-01	5.743E-05	5.743E-05
6.300E+03	8.767E-05	1.393E-06	3.649E-05	5.588E-03	5.090E-06	7.700E-01	2.247E-01	7.863E-05	7.863E-05
6.400E+03	1.193E-04	1.025E-06	4.743E-05	5.736E-03	4.436E-06	7.758E-01	2.109E-01	1.057E-04	1.057E-04
6.500E+03	1.600E-04	7.561E-07	4.120E-05	5.842E-03	3.837E-06	7.794E-01	1.983E-01	1.399E-04	1.399E-04
6.600E+03	2.110E-04	5.597E-07	3.554E-05	5.904E-03	3.293E-06	7.812E-01	1.863E-01	1.823E-04	1.823E-04
6.700E+03	2.747E-04	4.156E-07	3.057E-05	5.921E-03	2.804E-06	7.815E-01	1.743E-01	2.343E-04	2.343E-04
6.800E+03	3.574E-04	3.095E-07	2.623E-05	5.893E-03	2.368E-06	7.808E-01	1.628E-01	3.074E-04	3.074E-04
6.900E+03	4.566E-04	2.311E-07	2.245E-05	5.823E-03	1.982E-06	7.788E-01	1.509E-01	4.029E-04	4.029E-04
7.000E+03	5.774E-04	1.731E-07	1.916E-05	5.714E-03	1.646E-06	7.763E-01	1.387E-01	5.244E-04	5.244E-04
7.100E+03	7.221E-04	1.300E-07	1.632E-05	5.568E-03	1.358E-06	7.734E-01	1.264E-01	6.899E-04	6.899E-04
7.200E+03	8.976E-04	9.801E-08	1.388E-05	5.392E-03	1.108E-06	7.702E-01	1.140E-01	9.287E-04	9.287E-04
7.300E+03	1.135E-03	7.412E-08	1.178E-05	5.190E-03	8.996E-07	7.669E-01	1.024E-01	1.240E-03	1.240E-03
7.400E+03	1.348E-03	5.626E-08	9.990E-06	4.970E-03	7.258E-07	7.637E-01	9.053E-02	1.673E-03	1.673E-03
7.500E+03	1.633E-03	4.288E-08	8.488E-06	4.736E-03	5.825E-07	7.606E-01	8.066E-02	2.209E-03	2.209E-03
7.600E+03	1.983E-03	3.185E-08	6.848E-06	4.473E-03	4.898E-07	7.480E-01	7.140E-02	2.933E-03	2.933E-03
7.700E+03	2.406E-03	2.378E-08	5.166E-06	4.186E-03	4.112E-07	7.386E-01	6.289E-02	3.900E-03	3.900E-03
7.800E+03	2.914E-03	1.730E-08	3.733E-06	3.852E-03	3.552E-07	7.283E-01	5.590E-02	5.179E-03	5.179E-03
7.900E+03	3.510E-03	1.330E-08	2.657E-06	3.573E-03	3.099E-07	7.203E-01	4.947E-02	6.857E-03	6.857E-03
8.000E+03	4.206E-03	9.199E-09	1.842E-06	3.263E-03	2.709E-07	7.143E-01	4.414E-02	9.150E-03	9.150E-03
8.100E+03	5.000E-03	6.811E-09	1.368E-06	2.927E-03	2.383E-07	7.091E-01	3.921E-02	1.179E-02	1.179E-02
8.200E+03	5.894E-03	5.027E-09	1.024E-06	2.578E-03	2.071E-07	7.040E-01	3.474E-02	1.593E-02	1.593E-02
8.300E+03	6.990E-03	3.733E-09	7.310E-07	2.214E-03	1.768E-07	6.998E-01	3.064E-02	2.166E-02	2.166E-02
8.400E+03	8.390E-03	2.794E-09	5.214E-07	1.838E-03	1.488E-07	6.948E-01	2.682E-02	2.922E-02	2.922E-02
8.500E+03	1.010E-02	2.077E-09	3.699E-07	1.462E-03	1.237E-07	6.898E-01	2.334E-02	3.956E-02	3.956E-02
8.600E+03	1.200E-02	1.560E-09	2.644E-07	1.084E-03	9.691E-08	6.848E-01	2.016E-02	5.287E-02	5.287E-02
8.700E+03	1.410E-02	1.141E-09	1.842E-07	8.088E-04	7.288E-08	6.798E-01	1.718E-02	7.106E-02	7.106E-02
8.800E+03	1.640E-02	8.433E-10	1.324E-07	5.844E-04	5.710E-08	6.748E-01	1.440E-02	9.392E-02	9.392E-02
8.900E+03	1.900E-02	6.122E-10	9.399E-08	4.261E-04	4.				

TABLE II. - Continued

P/PO = 1.80E+02

M-	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	0.	5.208E-02	7.239E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.198E-01	1.099E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	2.211E-01	1.381E-20	0.	0.	0.	0.	0.	7.000E+02
0.	0.354E-30	2.370E-01	1.644E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.040E-26	2.436E-01	1.933E-20	0.	0.	0.	0.	0.	9.000E+02
0.	1.094E-23	2.479E-01	2.221E-20	0.	0.	0.	0.	0.	1.000E+03
0.	2.019E-21	2.465E-01	2.479E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.563E-19	2.479E-01	2.691E-20	0.	0.	0.	0.	0.	1.200E+03
0.	6.215E-18	2.487E-01	2.852E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.463E-16	2.491E-01	2.965E-20	1.133E-31	C.	0.	0.	0.	1.400E+03
0.	2.263E-15	2.493E-01	3.035E-20	1.001E-30	0.	0.	0.	0.	1.500E+03
5.493E-34	2.491E-14	2.495E-01	3.069E-20	6.475E-30	0.	0.	0.	0.	1.600E+03
8.459E-31	2.070E-13	2.496E-01	3.073E-20	3.537E-29	0.	0.	0.	0.	1.700E+03
5.489E-28	1.361E-12	2.497E-01	3.054E-20	1.548E-28	0.	0.	0.	0.	1.800E+03
2.331E-25	7.350E-12	2.497E-01	3.019E-20	5.745E-28	0.	0.	0.	0.	1.900E+03
3.904E-23	3.359E-11	2.498E-01	2.994E-20	1.888E-27	0.	0.	0.	0.	2.000E+03
3.200E-21	1.327E-10	2.498E-01	4.229E-20	7.863E-27	6.327E-25	0.	0.	0.	2.100E+03
5.352E-20	4.632E-10	2.499E-01	1.903E-19	9.456E-26	2.567E-27	0.	0.	0.	2.200E+03
4.736E-19	1.452E-09	2.498E-01	1.113E-18	1.357E-24	5.103E-26	0.	0.	0.	2.300E+03
3.315E-18	4.138E-09	2.497E-01	5.920E-18	1.644E-23	7.487E-25	0.	0.	0.	2.400E+03
1.969E-17	1.085E-08	2.497E-01	2.749E-17	1.452E-22	8.805E-24	0.	0.	0.	2.500E+03
1.017E-16	2.644E-08	2.496E-01	1.168E-16	1.392E-21	8.544E-23	0.	0.	0.	2.600E+03
4.667E-16	6.332E-08	2.496E-01	4.410E-16	1.003E-20	6.999E-22	0.	0.	0.	2.700E+03
1.933E-15	1.256E-07	2.493E-01	1.517E-15	6.241E-20	4.927E-21	0.	0.	0.	2.800E+03
7.356E-15	2.649E-07	2.490E-01	4.798E-15	3.441E-19	3.024E-20	0.	0.	0.	2.900E+03
2.495E-14	5.157E-07	2.487E-01	1.437E-14	1.721E-18	1.664E-19	0.	0.	0.	3.000E+03
7.502E-14	9.617E-07	2.482E-01	3.861E-14	7.489E-18	8.004E-19	0.	0.	0.	3.100E+03
2.184E-13	1.725E-06	2.477E-01	9.956E-14	3.132E-17	3.525E-18	0.	0.	0.	3.200E+03
5.946E-13	2.946E-06	2.476E-01	2.427E-13	1.173E-16	1.417E-17	0.	0.	0.	3.300E+03
1.523E-12	5.305E-06	2.462E-01	5.623E-13	4.073E-16	5.238E-17	0.	0.	0.	3.400E+03
3.490E-12	8.144E-06	2.452E-01	1.243E-12	1.314E-15	1.794E-16	C.	0.	0.	3.500E+03
8.489E-12	1.283E-05	2.441E-01	2.633E-12	4.003E-15	5.731E-16	0.	0.	0.	3.600E+03
1.862E-11	1.991E-05	2.428E-01	5.361E-12	1.144E-14	1.716E-15	0.	0.	0.	3.700E+03
3.909E-11	3.004E-05	2.413E-01	1.057E-11	3.138E-14	4.661E-15	0.	0.	0.	3.800E+03
7.875E-11	4.436E-05	2.396E-01	1.998E-11	6.016E-14	1.292E-14	0.	0.	0.	3.900E+03
1.527E-10	6.421E-05	2.377E-01	3.677E-11	1.474E-13	3.278E-14	0.	0.	0.	4.000E+03
2.849E-10	9.124E-05	2.356E-01	6.572E-11	4.658E-13	7.931E-14	0.	0.	0.	4.100E+03
5.176E-10	1.274E-04	2.332E-01	1.143E-10	1.056E-12	1.836E-13	0.	0.	0.	4.200E+03
9.384E-10	1.752E-04	2.307E-01	1.940E-10	2.308E-12	4.077E-13	0.	0.	0.	4.300E+03
1.549E-09	2.372E-04	2.279E-01	3.216E-10	4.872E-12	6.713E-13	0.	0.	0.	4.400E+03
2.567E-09	3.167E-04	2.250E-01	5.216E-10	9.459E-12	1.794E-12	0.	0.	0.	4.500E+03
4.147E-09	4.173E-04	2.218E-01	8.248E-10	1.974E-11	3.580E-12	C.	0.	0.	4.600E+03
6.337E-09	5.432E-04	2.185E-01	1.267E-09	3.812E-11	6.912E-12	0.	0.	0.	4.700E+03
1.007E-08	6.989E-04	2.151E-01	1.970E-09	7.159E-11	1.295E-11	C.	0.	0.	4.800E+03
1.517E-08	8.896E-04	2.115E-01	2.979E-09	1.312E-10	2.361E-11	0.	0.	0.	4.900E+03
2.239E-08	1.121E-03	2.078E-01	4.416E-09	2.350E-10	4.192E-11	0.	0.	0.	5.000E+03
4.602E-08	1.730E-03	2.002E-01	9.291E-09	7.074E-10	1.228E-10	0.	0.	0.	5.200E+03
8.810E-08	2.582E-03	1.925E-01	1.856E-08	1.971E-09	3.495E-10	0.	0.	0.	5.400E+03
1.543E-07	3.740E-03	1.849E-01	3.542E-08	5.131E-09	8.175E-10	0.	0.	0.	5.600E+03
2.686E-07	5.277E-03	1.774E-01	6.448E-08	1.296E-08	1.891E-09	0.	0.	0.	5.800E+03
4.332E-07	7.722E-03	1.703E-01	1.144E-07	2.910E-08	4.110E-09	0.	0.	0.	6.000E+03
6.879E-07	9.813E-03	1.635E-01	1.959E-07	6.414E-08	8.448E-09	6.942E-26	0.	0.	6.200E+03
9.655E-07	1.299E-02	1.570E-01	3.247E-07	1.351E-07	1.651E-08	5.618E-25	0.	0.	6.400E+03
1.416E-06	1.690E-02	1.508E-01	5.232E-07	2.726E-07	3.085E-08	4.351E-24	0.	0.	6.600E+03
1.964E-06	2.163E-02	1.447E-01	8.202E-07	5.290E-07	5.530E-08	7.589E-23	0.	0.	6.800E+03
2.652E-06	2.727E-02	1.384E-01	1.233E-06	9.894E-07	9.547E-08	1.500E-22	0.	0.	7.000E+03
3.456E-06	3.368E-02	1.324E-01	1.865E-06	1.787E-06	1.592E-07	7.903E-22	0.	0.	7.200E+03
4.519E-06	4.152E-02	1.261E-01	2.700E-06	3.124E-06	2.572E-07	7.407E-21	0.	0.	7.400E+03
5.733E-06	5.018E-02	1.195E-01	3.835E-06	5.293E-06	4.031E-07	1.687E-20	0.	0.	7.600E+03
7.155E-06	5.966E-02	1.127E-01	5.299E-06	8.704E-06	6.143E-07	6.916E-20	0.	0.	7.800E+03
8.832E-06	7.050E-02	1.055E-01	7.146E-06	1.391E-05	9.118E-07	2.634E-19	0.	0.	8.000E+03
1.089E-05	8.194E-02	9.805E-02	9.406E-06	2.143E-05	1.320E-06	9.362E-19	0.	0.	8.200E+03
1.283E-05	9.414E-02	9.336E-02	1.109E-05	3.278E-05	1.845E-06	3.118E-18	0.	0.	8.400E+03
1.523E-05	1.068E-01	8.253E-02	1.518E-05	4.845E-05	2.574E-06	9.771E-18	0.	0.	8.600E+03
1.792E-05	1.197E-01	7.467E-02	1.862E-05	6.991E-05	3.480E-06	2.899E-17	0.	0.	8.800E+03
2.099E-05	1.327E-01	6.669E-02	2.233E-05	9.843E-05	4.625E-06	8.100E-17	0.	0.	9.000E+03
2.416E-05	1.453E-01	5.932E-02	2.620E-05	1.362E-04	5.972E-06	2.157E-16	0.	0.	9.200E+03
2.746E-05	1.579E-01	5.210E-02	3.011E-05	1.842E-04	7.600E-06	5.477E-16	0.	0.	9.400E+03
3.103E-05	1.693E-01	4.533E-02	3.393E-05	2.445E-04	9.448E-06	1.330E-15	0.	0.	9.600E+03
3.485E-05	1.796E-01	3.911E-02	3.793E-05	3.187E-04	1.167E-05	3.095E-15	0.	0.	9.800E+03
4.039E-05	1.891E-01	3.347E-02	4.083E-05	4.087E-04	1.412E-05	6.930E-15	0.	0.	1.000E+04
4.627E-05	2.014E-01	2.828E-02	5.126E-05	1.156E-03	3.014E-05	2.370E-14	0.	0.	1.100E+04
1.030E-04	2.338E-01	5.938E-03	5.316E-05	2.573E-03	5.133E-05	4.264E-12	0.	0.	1.200E+04
1.451E-04	2.359E-01	7.597E-03	5.621E-05	4.914E-03	7.609E-05	4.851E-11	0.	0.	1.300E+04
1.895E-04	2.425E-01	1.215E-03	6.497E-05	8.458E-03	1.023E-04	3.890E-10	1.899E-24	0.	1.400E+04
2.324E-04	2.253E-01	6.037E-04	6.225E-05	1.340E-02	1.274E-04	2.371E-09	1.210E-22	0.	1.500E+04
2.790E-04	2.150E-01	3.137E-04	3.713E-05	1.964E-02	1.490E-04	1.157E-08	6.574E-21	0.	1.600E+04
2.893E-04	2.018E-01	1.681E-04	3.182E-05	2.775E-02	1.641E-04	4.707E-08	1.200E-19	0.	1.700E+04
3.130E-04	1.861E-01	9.185E-05	2.654E-05	3.642E-02	1.710E-04	1.643E-07	7.193E-18	C.	1.800E+04
3.164E-04	1.684E-01	5.031E-05	2.140E-05	4.698E-02	1.694E-04	5.043E-07	3.816E-17	C.	1.900E+04
3.604E-04	1.501E-01	2.759E-05	1.680E-05	5.746E-02	1.599E-04	1.387E-06	3.264E-16	0.	2.000E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	N2	N2+	H+
2.100E+04	2.027E-01	1.314E-12	5.695E-09	1.431E-04	1.456E-13	4.623E-01	1.152E-04	3.530E-04	1.346E-01
2.200E+04	2.365E-01	5.104E-13	2.801E-09	9.427E-05	5.329E-14	4.131E-01	7.594E-05	1.343E-04	1.588E-01
2.300E+04	2.689E-01	1.914E-13	1.339E-09	6.063E-05	1.883E-14	3.653E-01	4.452E-05	3.051E-04	1.824E-01
2.400E+04	2.991E-01	4.470E-14	6.248E-10	3.820E-05	6.444E-15	3.203E-01	3.060E-05	2.499E-04	2.048E-01
2.500E+04	3.244E-01	2.483E-14	2.865E-10	2.370E-05	2.174E-15	2.792E-01	1.903E-05	2.524E-04	2.294E-01
2.600E+04	3.505E-01	8.733E-15	1.390E-10	1.454E-05	7.247E-16	2.424E-01	1.172E-05	1.967E-04	2.443E-01
2.700E+04	3.714E-01	3.061E-15	5.882E-11	8.930E-06	2.412E-16	2.102E-01	7.186E-06	1.430E-04	2.609E-01
2.800E+04	3.893E-01	1.079E-15	2.670E-11	5.441E-06	8.043E-17	1.829E-01	4.403E-06	1.337E-04	2.793E-01
2.900E+04	4.046E-01	3.848E-16	1.223E-11	3.339E-06	2.757E-17	1.587E-01	2.707E-06	1.089E-04	2.877E-01
3.000E+04	4.174E-01	1.398E-16	5.678E-12	2.063E-06	9.581E-18	1.384E-01	1.474E-06	8.629E-05	2.902E-01
3.100E+04	4.284E-01	5.193E-17	2.679E-12	1.284E-06	7.105E-18	1.219E-01	1.047E-06	7.141E-05	3.071E-01
3.200E+04	4.377E-01	1.978E-17	1.287E-12	8.094E-07	1.225E-18	1.071E-01	6.614E-07	5.781E-05	3.149E-01
3.300E+04	4.458E-01	7.730E-18	6.304E-13	5.149E-07	6.665E-19	9.491E-02	4.232E-07	4.488E-05	3.204E-01
3.400E+04	4.529E-01	3.103E-18	3.147E-13	3.309E-07	1.793E-19	8.454E-02	2.743E-07	3.814E-05	3.257E-01
3.500E+04	4.593E-01	1.278E-18	1.630E-13	2.147E-07	7.254E-20	7.569E-02	1.602E-07	3.114E-05	3.298E-01
3.600E+04	4.651E-01	5.397E-19	8.275E-14	1.405E-07	2.835E-20	6.811E-02	1.200E-07	2.593E-05	3.336E-01
3.700E+04	4.704E-01	2.332E-19	4.349E-14	9.247E-08	1.161E-20	6.158E-02	8.100E-08	2.103E-05	3.364E-01
3.800E+04	4.754E-01	1.030E-19	2.318E-14	6.147E-08	4.827E-21	5.592E-02	5.539E-08	1.739E-05	3.372E-01
3.900E+04	4.810E-01	4.636E-20	1.251E-14	4.097E-08	2.033E-21	5.129E-02	3.824E-08	1.444E-05	3.378E-01
4.000E+04	4.860E-01	2.124E-20	6.829E-15	2.740E-08	8.644E-22	4.686E-02	2.690E-08	1.207E-05	3.384E-01
4.100E+04	4.910E-01	9.884E-21	3.763E-15	1.834E-08	3.703E-22	4.289E-02	1.909E-08	1.013E-05	3.389E-01
4.200E+04	4.959E-01	4.666E-21	2.091E-15	1.233E-08	1.939E-22	3.953E-02	1.369E-08	8.522E-06	3.393E-01
4.300E+04	5.007E-01	2.232E-21	1.170E-15	8.782E-09	9.602E-23	3.654E-02	9.931E-09	7.273E-06	3.397E-01
4.400E+04	5.054E-01	1.081E-21	5.966E-16	5.568E-09	2.967E-23	3.387E-02	7.277E-09	6.143E-06	3.371E-01
4.500E+04	5.099E-01	5.298E-22	3.742E-16	3.768E-09	1.304E-23	3.149E-02	5.265E-09	5.240E-06	3.341E-01
4.600E+04	5.141E-01	2.626E-22	2.137E-16	2.523E-09	5.711E-24	2.934E-02	4.023E-09	4.505E-06	3.346E-01
4.700E+04	5.181E-01	1.317E-22	1.229E-16	1.701E-09	2.509E-24	2.740E-02	3.032E-09	3.884E-06	3.348E-01
4.800E+04	5.219E-01	6.679E-23	7.115E-17	1.144E-09	1.109E-24	2.584E-02	2.305E-09	3.363E-06	3.351E-01
4.900E+04	5.253E-01	3.427E-23	4.149E-17	7.784E-10	4.930E-25	2.454E-02	1.767E-09	2.977E-06	3.350E-01
5.000E+04	5.284E-01	1.779E-23	2.428E-17	5.247E-10	2.208E-25	2.359E-02	1.365E-09	2.555E-06	3.319E-01

P/P0 = 2.00E+02

T	E-	NH3	NH2	NH	N2H2	H	N2	N2+	H+
5.000E+02	3.	8.012E-01	1.244E-20	3.212E-35	2.166E-28	1.919E-27	1.491E-01	1.524E-18	7.780E-27
6.000E+02	3.	5.379E-01	3.441E-17	4.162E-29	4.977E-24	1.935E-19	3.466E-01	1.794E-18	2.347E-21
7.000E+02	3.	2.797E-01	7.382E-15	8.244E-25	4.516E-21	1.310E-15	5.402E-01	1.071E-18	5.250E-21
8.000E+02	3.	1.457E-01	3.324E-13	1.197E-21	5.562E-19	1.663E-13	6.557E-01	9.316E-19	1.046E-20
9.000E+02	3.	7.851E-02	8.694E-12	3.195E-19	2.060E-17	6.945E-12	7.072E-01	8.417E-19	1.929E-20
1.000E+03	0.	2.824E-02	5.224E-11	2.704E-17	3.325E-16	1.172E-10	7.280E-01	8.217E-19	3.227E-20
1.100E+03	0.	4.051E-02	3.161E-10	1.010E-15	3.228E-15	1.572E-09	7.384E-01	7.901E-19	4.979E-20
1.200E+03	0.	9.235E-03	1.387E-09	2.094E-14	2.136E-14	1.203E-08	7.431E-01	7.611E-19	7.135E-20
1.300E+03	0.	5.949E-03	4.851E-09	2.622E-13	1.055E-13	6.752E-08	7.459E-01	7.310E-19	9.619E-20
1.400E+03	0.	4.075E-03	3.611E-08	2.324E-12	4.152E-13	2.971E-07	7.466E-01	7.016E-19	1.234E-19
1.500E+03	2.212E-34	2.364E-03	1.579E-08	1.539E-11	1.364E-17	1.079E-06	7.478E-01	6.715E-19	1.527E-19
1.600E+03	0.	2.206E-03	8.047E-08	8.048E-11	3.874E-12	3.222E-06	7.487E-01	6.414E-19	1.811E-19
1.700E+03	0.	3.313E-03	1.642E-07	3.642E-10	9.752E-12	9.005E-06	7.487E-01	6.114E-19	2.100E-19
1.800E+03	1.844E-25	1.375E-03	3.098E-07	1.247E-09	2.221E-11	2.188E-05	7.488E-01	5.839E-19	2.389E-19
1.900E+03	4.730E-23	1.129E-03	9.464E-07	4.047E-09	4.650E-11	4.450E-05	7.491E-01	5.564E-19	2.654E-19
2.000E+03	9.462E-21	9.465E-04	9.114E-07	1.150E-08	8.059E-11	9.539E-05	7.492E-01	5.245E-19	2.931E-19
2.100E+03	3.456E-19	8.382E-04	1.448E-06	2.961E-08	1.659E-10	1.904E-04	7.492E-01	4.944E-19	3.218E-19
2.200E+03	4.452E-18	7.006E-04	2.234E-06	4.994E-08	2.882E-10	3.441E-04	7.492E-01	4.647E-19	3.504E-19
2.300E+03	3.053E-17	6.160E-04	3.235E-06	1.537E-07	4.778E-10	5.921E-04	7.492E-01	4.355E-19	3.791E-19
2.400E+03	1.892E-16	5.476E-04	4.598E-06	3.148E-07	7.603E-10	9.715E-04	7.492E-01	4.057E-19	4.078E-19
2.500E+03	4.134E-16	4.718E-04	6.352E-06	6.101E-07	1.147E-09	1.559E-03	7.492E-01	3.769E-19	4.364E-19
2.600E+03	3.490E-15	4.459E-04	8.557E-06	1.124E-06	1.734E-09	2.342E-03	7.474E-01	3.471E-19	4.651E-19
2.700E+03	1.332E-14	4.064E-04	1.127E-05	1.978E-06	2.504E-09	3.444E-03	7.447E-01	3.194E-19	4.937E-19
2.800E+03	4.652E-14	3.735E-04	1.454E-05	3.142E-06	3.524E-09	4.984E-03	7.453E-01	2.946E-19	5.224E-19
2.900E+03	1.493E-13	3.449E-04	1.843E-05	5.445E-06	4.842E-09	6.993E-03	7.416E-01	2.704E-19	5.509E-19
3.000E+03	4.441E-13	3.189E-04	2.296E-05	8.584E-06	6.513E-09	9.901E-03	7.413E-01	2.485E-19	5.794E-19
3.100E+03	1.233E-12	2.979E-04	2.816E-05	1.313E-05	8.588E-09	1.289E-02	7.395E-01	2.280E-19	6.077E-19
3.200E+03	3.214E-12	2.782E-04	3.436E-05	1.955E-05	1.112E-09	1.699E-02	7.349E-01	2.045E-19	6.360E-19
3.300E+03	7.916E-12	2.604E-04	4.069E-05	2.838E-05	1.415E-09	2.272E-02	7.309E-01	1.795E-19	6.632E-19
3.400E+03	1.850E-11	2.441E-04	4.791E-05	4.027E-05	1.773E-09	3.099E-02	7.257E-01	1.580E-19	6.907E-19
3.500E+03	4.123E-11	2.291E-04	5.582E-05	5.594E-05	2.189E-09	3.532E-02	7.189E-01	1.401E-19	7.151E-19
3.600E+03	8.789E-11	2.150E-04	6.432E-05	7.620E-05	2.664E-09	4.380E-02	7.114E-01	1.250E-19	7.410E-19
3.700E+03	1.800E-10	2.018E-04	7.333E-05	1.019E-04	3.190E-09	5.363E-02	7.028E-01	1.129E-19	7.670E-19
3.800E+03	3.550E-10	1.893E-04	8.276E-05	1.340E-04	3.793E-09	6.440E-02	6.929E-01	1.037E-19	7.929E-19
3.900E+03	6.763E-10	1.773E-04	9.251E-05	1.739E-04	4.441E-09	7.768E-02	6.817E-01	2.424E-19	8.207E-19
4.000E+03	1.240E-09	1.658E-04	1.024E-04	2.212E-04	5.140E-09	9.201E-02	6.697E-01	6.376E-19	8.474E-19
4.100E+03	2.134E-09	1.547E-04	1.124E-04	2.742E-04	5.882E-09	1.079E-01	6.592E-01	7.664E-19	1.485E-09
4.200E+03	3.891E-09	1.440E-04	1.223E-04	3.459E-04	6.656E-09	1.254E-01	6.394E-01	1.309E-09	2.089E-09
4.300E+03	6.802E-09	1.334E-04	1.319E-04	4.231E-04	7.453E-09	1.444E-01	6.232E-01	2.162E-09	5.174E-09
4.400E+03	1.193E-08	1.236E-04	1.411E-04	5.124E-04	8.258E-09	1.649E-01	6.051E-01	3.494E-09	8.471E-09
4.500E+03	1.770E-08	1.140E-04	1.497E-04	6.084E-04	9.094E-09	1.868E-01	5.859E-01	5.519E-09	1.110E-08
4.600E+03	2.804E-08	1.047E-04	1.576E-04	7.120E-04	9.961E-09	2.102E-01	5.656E-01	7.411E-09	1.487E-08
4.700E+03	4.193E-08	9.573E-05	1.664E-04	8.224E-04	1.089E-07	2.346E-01	5.459E-01	1.267E-08	2.000E-08
4.800E+03	6.450E-08	8.719E-05	1.760E-04	9.404E-04	1.172E-07	2.601E-01	5.219E-01	1.903E-08	2.656E-08

TABLE II. - Continued

M	N	N2	N2*	N*	N-	N**	N***	N****	T
2.0031-04	1.3131-01	1.5031-05	1.2891-03	8.7841-02	1.4441-04	3.4711-06	2.8711-15	0.	2.1001+04
2.4471-04	1.1311-01	8.1231-08	9.5741-08	7.7841-02	1.2341-04	8.0041-08	2.1241-14	0.	2.2001+04
2.1331-04	9.6131-02	4.3341-08	8.9441-08	8.6521-02	1.0521-04	1.7221-05	1.3571-13	0.	2.3001+04
1.7771-04	8.0911-02	2.3221-08	4.9441-08	9.4231-02	9.5811-05	3.4031-08	7.5131-13	C.	2.4001+04
1.4441-04	6.7611-02	1.2341-08	3.4711-08	1.0071-01	8.8431-05	6.6001-08	3.7121-12	0.	2.5001+04
1.1371-04	5.6211-02	6.5941-07	2.4141-08	1.0591-01	5.3741-05	1.2221-04	1.6521-11	0.	2.6001+04
9.1401-03	4.8421-02	3.5421-07	1.6741-08	1.1011-01	4.1741-05	2.1441-04	6.6931-11	0.	2.7001+04
7.1721-03	3.9001-02	1.9221-07	1.1621-08	1.1331-01	3.2241-05	3.6301-04	2.4911-10	0.	2.8001+04
5.6141-03	3.2541-02	1.0541-07	8.0041-07	1.1571-01	2.4841-05	3.9401-04	6.3741-10	0.	2.9001+04
4.4041-03	2.7341-02	5.8921-08	5.6501-07	1.1741-01	1.9141-05	9.4241-04	2.7441-09	U.	3.0001+04
3.4741-03	2.3041-02	3.3371-08	3.9821-07	1.1841-01	1.4421-05	1.4521-03	8.2441-09	0.	3.1001+04
2.7411-03	1.9511-02	1.9141-08	2.8141-07	1.1891-01	1.1501-05	2.1871-03	2.3241-08	0.	3.2001+04
2.2141-03	1.6541-02	1.1141-08	2.0071-07	1.1881-01	8.9641-04	3.2051-03	6.1971-08	0.	3.3001+04
1.7941-03	1.4151-02	6.5731-09	1.4351-07	1.1801-01	7.0241-04	4.5841-03	1.5421-07	0.	3.4001+04
1.4741-03	1.2101-02	3.9311-09	1.0241-07	1.1671-01	5.5201-04	6.4041-03	3.7341-07	0.	3.5001+04
1.2241-03	1.0331-02	2.3611-09	7.3641-08	1.1441-01	4.3521-04	8.7441-03	8.5041-07	0.	3.6001+04
1.0341-03	4.4541-03	1.4241-09	5.2841-08	1.1141-01	3.4301-04	1.1671-02	1.6441-06	1.4341-13	2.7001+04
8.4121-02	7.5641-03	8.6241-10	3.7511-08	1.0821-01	2.7141-04	1.5221-02	3.6241-06	5.8421-13	3.8001+04
7.6011-02	6.4441-03	5.2111-10	2.6531-08	1.0391-01	2.1441-04	1.9341-02	7.5741-04	2.1971-12	4.0001+04
6.6301-02	5.4641-03	3.1471-10	1.8401-08	9.8031-04	1.6921-04	2.4171-02	1.4341-05	7.6731-12	4.2001+04
5.6421-02	4.6171-03	1.8941-10	1.2711-08	9.3141-02	1.3351-04	2.9441-02	2.6211-05	2.4941-11	4.1001+04
5.1931-02	3.8741-03	1.1241-10	8.8431-09	8.0441-02	1.2471-04	3.5141-02	4.5941-05	7.4171-11	4.2001+04
4.6541-02	3.2341-03	6.6401-11	6.6151-09	8.0411-02	8.1841-07	4.1041-02	7.7441-05	2.1871-10	4.3001+04
4.2671-02	2.6641-03	3.9441-11	4.0341-09	7.3731-02	6.3771-07	4.7111-02	1.7641-04	5.9771-10	4.4001+04
3.8241-02	2.2141-03	2.3051-11	2.6811-09	6.7041-02	4.9471-07	5.3041-02	2.0021-04	1.5151-09	4.5001+04
3.4931-02	1.8141-03	1.3411-11	1.7441-09	6.0511-02	3.7741-07	5.8831-02	3.0721-04	3.6941-09	4.6001+04
3.2621-02	1.4841-03	7.7421-12	1.1511-09	5.4271-02	2.9471-07	6.4251-02	4.5441-04	8.6231-09	4.7001+04
2.9541-02	1.2101-03	4.4741-12	7.4471-10	4.8411-02	2.7631-07	6.9251-02	6.6841-04	1.9271-08	4.8001+04
2.7341-02	9.4211-04	2.5801-12	4.8201-10	4.2941-02	1.7341-07	7.3751-02	9.5141-04	4.1431-08	4.9001+04
2.5421-02	7.9521-04	1.4431-12	3.1011-10	3.8031-02	1.3321-07	7.7721-07	1.3241-03	8.5841-08	5.0001+04

P/P0 = 2.004+02

M	N	N2	N2*	N*	N-	N**	N***	N****	T
0.	0.	4.9701-02	7.2781-21	0.	0.	0.	0.	0.	5.0001+02
0.	0.	1.1551-01	1.1121-20	0.	0.	0.	0.	0.	4.0001+02
0.	0.	1.4011-01	1.3941-20	0.	0.	0.	0.	0.	7.0001+02
0.	5.9941-30	2.1801-01	1.6441-20	0.	0.	0.	0.	0.	8.0001+02
0.	1.7591-26	2.1571-01	1.9451-20	0.	0.	0.	0.	0.	1.0001+01
0.	1.0371-23	2.4741-01	2.2311-20	0.	0.	0.	0.	0.	1.1001+01
0.	1.9141-21	2.4411-01	2.4901-20	0.	0.	0.	0.	0.	1.2001+01
0.	1.4831-19	2.4771-01	2.7051-20	0.	0.	0.	0.	0.	1.3001+01
0.	5.6941-18	2.4851-01	2.8711-20	0.	0.	0.	0.	0.	1.4001+01
0.	1.3071-16	2.4901-01	2.9941-20	1.0441-31	0.	0.	0.	0.	1.5001+01
0.	2.1471-15	2.4931-01	3.0631-20	4.3871-31	0.	0.	0.	0.	1.6001+01
5.3371-34	2.3431-14	2.4941-01	3.1141-20	6.4071-30	0.	0.	0.	0.	1.7001+01
8.1041-31	1.9841-13	2.4941-01	3.1141-20	8.4011-29	0.	0.	0.	0.	1.8001+01
9.9041-28	1.2911-12	2.4971-01	3.1101-20	1.4911-28	0.	0.	0.	0.	1.9001+01
1.8951-25	6.4721-12	2.4971-01	3.0701-20	5.5821-28	0.	0.	0.	0.	2.0001+01
3.6341-23	1.1831-11	2.4981-01	3.0471-20	1.8231-27	0.	0.	0.	0.	2.1001+01
3.0621-21	1.2541-10	2.4981-01	4.1921-20	7.3931-27	6.3541-29	0.	0.	0.	2.2001+01
5.2641-20	4.3441-10	2.4981-01	1.8331-19	8.6501-26	2.5241-27	0.	0.	0.	2.3001+01
4.6771-19	1.3771-09	2.4981-01	1.6641-18	1.2371-24	5.3441-26	0.	0.	0.	2.4001+01
3.2731-18	3.7441-09	2.4971-01	5.6931-18	1.4631-23	7.4441-25	0.	0.	0.	2.5001+01
1.9431-17	1.0301-08	2.4971-01	2.6811-17	1.5041-22	8.4941-24	0.	0.	0.	2.6001+01
1.0331-16	2.5341-08	2.4961-01	1.1241-16	1.2731-21	8.4241-23	0.	0.	0.	2.7001+01
4.9841-16	5.7441-08	2.4951-01	4.4441-16	9.1941-21	6.9441-22	0.	0.	0.	2.8001+01
1.0751-15	1.2311-07	2.4931-01	1.4441-15	5.7471-20	4.8441-21	0.	0.	0.	2.9001+01
6.9321-15	2.5141-07	2.4901-01	4.6231-15	1.1821-19	2.9741-20	0.	0.	0.	3.0001+01
2.3541-14	4.4431-07	2.4871-01	1.3571-14	1.5741-18	1.4141-19	0.	0.	0.	3.1001+01
7.3431-14	4.1241-07	2.4831-01	3.7241-14	7.0341-18	3.8741-19	0.	0.	0.	3.2001+01
2.1491-13	1.6371-06	2.4791-01	9.6071-14	2.4671-17	3.4671-18	0.	0.	0.	3.3001+01
5.6441-13	2.4341-06	2.4721-01	2.3431-13	1.6731-16	1.3431-17	0.	0.	0.	3.4001+01
1.4941-12	4.7541-06	2.4641-01	5.4321-13	3.7341-16	5.1441-17	0.	0.	0.	3.5001+01
3.6241-12	7.7341-06	2.4531-01	1.2321-12	1.2741-15	1.7641-16	0.	0.	0.	3.6001+01
0.3641-11	1.7441-05	2.4441-01	2.5641-12	3.6701-15	5.6321-16	0.	0.	0.	3.7001+01
1.8321-11	1.6441-05	2.4321-01	9.1871-12	1.0411-14	1.4841-15	0.	0.	0.	3.8001+01
3.8641-11	4.8521-05	2.4171-01	1.8141-11	2.6511-14	6.7571-15	0.	0.	0.	3.9001+01
7.7511-11	4.2121-05	2.4071-01	1.9391-11	7.3541-14	1.2701-14	0.	0.	0.	4.0001+01
1.5041-10	6.0941-05	2.3931-01	4.9321-11	1.8121-13	1.2271-14	0.	0.	0.	4.1001+01
2.8171-10	6.6641-05	2.3741-01	6.7701-11	4.2771-13	7.7441-14	0.	0.	0.	4.2001+01
5.1031-10	1.2111-04	2.3601-01	1.1891-10	4.7001-13	1.6051-13	0.	0.	0.	4.3001+01
8.4621-10	1.6641-04	2.3491-01	1.8441-10	2.1101-12	8.0141-13	0.	0.	0.	4.4001+01
1.5441-09	2.2541-04	2.3341-01	3.1211-10	4.4741-12	6.5771-13	0.	0.	0.	4.5001+01
2.3341-09	3.0241-04	2.3211-01	5.6641-10	9.1441-12	1.7641-12	0.	0.	0.	4.6001+01
4.1341-09	3.9731-04	2.3041-01	8.3641-10	1.7151-11	6.5741-12	0.	0.	0.	4.7001+01
6.4741-09	5.1841-04	2.2901-01	1.2551-09	3.5711-11	8.4211-12	0.	0.	0.	4.8001+01
9.9921-09	6.6521-04	2.2741-01	1.4231-09	6.5771-11	1.2701-11	0.	0.	0.	4.9001+01

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
4.900E+03	9.930E-08	7.907E-05	1.754E-04	1.140E-03	1.193E-07	2.884E-01	4.984E-01	2.764E-08	8.387E-08
5.000E+03	1.463E-07	7.139E-05	1.794E-04	1.301E-03	1.290E-07	3.133E-01	4.764E-01	3.941E-08	1.247E-07
5.200E+03	3.027E-07	5.741E-05	1.835E-04	1.452E-03	1.339E-07	3.774E-01	4.761E-01	7.611E-08	2.630E-07
5.400E+03	5.917E-07	4.534E-05	1.830E-04	2.036E-03	1.391E-07	4.234E-01	3.774E-01	1.327E-07	5.224E-07
5.600E+03	1.160E-06	3.524E-05	1.782E-04	2.443E-03	1.404E-07	4.780E-01	3.301E-01	2.384E-07	9.844E-07
5.800E+03	1.952E-06	2.497E-05	1.699E-04	2.862E-03	1.388E-07	5.272E-01	2.853E-01	3.844E-07	1.767E-06
6.000E+03	3.327E-06	2.037E-05	1.591E-04	3.283E-03	1.338E-07	5.732E-01	2.440E-01	5.909E-07	3.037E-06
6.200E+03	5.447E-06	1.522E-05	1.466E-04	3.696E-03	1.269E-07	6.143E-01	2.070E-01	8.890E-07	5.020E-06
6.400E+03	8.492E-06	1.129E-05	1.333E-04	4.095E-03	1.194E-07	6.501E-01	1.764E-01	1.276E-06	8.010E-06
6.600E+03	1.342E-05	6.322E-06	1.199E-04	4.472E-03	1.091E-07	6.805E-01	1.462E-01	1.772E-06	1.238E-05
6.800E+03	2.017E-05	4.110E-06	1.070E-04	4.823E-03	9.943E-08	7.057E-01	1.222E-01	2.391E-06	1.898E-05
7.000E+03	2.960E-05	2.492E-06	9.474E-05	5.144E-03	8.978E-08	7.263E-01	1.020E-01	3.144E-06	2.710E-05
7.200E+03	4.251E-05	1.300E-06	8.347E-05	5.422E-03	8.718E-08	7.427E-01	8.520E-02	4.042E-06	3.883E-05
7.400E+03	5.937E-05	2.427E-06	7.319E-05	5.684E-03	7.990E-08	7.557E-01	7.122E-02	5.094E-06	5.427E-05
7.600E+03	8.284E-05	1.790E-06	6.393E-05	5.894E-03	7.294E-08	7.648E-01	5.965E-02	6.307E-06	7.439E-05
7.800E+03	1.128E-04	1.323E-06	5.564E-05	6.064E-03	6.512E-08	7.714E-01	5.011E-02	7.885E-06	1.001E-04
8.000E+03	1.513E-04	9.808E-07	4.831E-05	6.192E-03	5.790E-08	7.761E-01	4.223E-02	9.733E-06	1.372E-04
8.200E+03	2.003E-04	7.292E-07	4.181E-05	6.272E-03	5.130E-08	7.789E-01	3.572E-02	1.095E-05	1.727E-04
8.400E+03	2.617E-04	5.437E-07	3.479E-05	6.304E-03	4.534E-08	7.796E-01	3.033E-02	1.255E-05	2.224E-04
8.600E+03	3.361E-04	4.066E-07	3.017E-05	6.293E-03	3.990E-08	7.793E-01	2.584E-02	1.492E-05	2.827E-04
8.800E+03	4.320E-04	3.048E-07	2.647E-05	6.235E-03	3.525E-08	7.779E-01	2.219E-02	1.718E-05	3.474E-04
9.000E+03	5.463E-04	2.292E-07	2.295E-05	6.139E-03	3.109E-08	7.759E-01	1.904E-02	1.962E-05	4.405E-04
9.200E+03	6.843E-04	1.728E-07	1.952E-05	5.996E-03	2.747E-08	7.733E-01	1.648E-02	2.248E-05	5.402E-04
9.400E+03	8.495E-04	1.307E-07	1.645E-05	5.823E-03	2.434E-08	7.703E-01	1.431E-02	2.510E-05	6.610E-04
9.600E+03	1.049E-03	9.917E-08	1.410E-05	5.621E-03	2.172E-08	7.672E-01	1.249E-02	2.815E-05	7.997E-04
9.800E+03	1.276E-03	7.551E-08	1.200E-05	5.397E-03	1.951E-08	7.641E-01	1.096E-02	3.164E-05	9.604E-04
1.000E+04	1.546E-03	5.772E-08	1.025E-05	5.157E-03	1.764E-08	7.610E-01	9.660E-03	3.697E-05	1.146E-03
1.100E+04	3.641E-03	1.613E-08	4.794E-06	3.909E-03	2.514E-09	7.604E-01	5.503E-03	5.842E-05	2.947E-03
1.200E+04	7.454E-03	5.117E-09	2.138E-06	2.866E-03	3.820E-10	7.591E-01	3.437E-03	8.737E-05	5.362E-03
1.300E+04	1.369E-02	1.833E-09	1.060E-06	2.111E-03	2.950E-10	7.572E-01	2.283E-03	1.747E-04	9.086E-03
1.400E+04	2.307E-02	7.190E-10	5.542E-07	1.573E-03	1.131E-10	7.558E-01	1.478E-03	1.497E-04	1.513E-02
1.500E+04	3.621E-02	3.319E-10	3.036E-07	1.101E-03	4.573E-11	7.547E-01	1.117E-03	2.184E-04	2.359E-02
1.600E+04	5.354E-02	1.319E-10	1.664E-07	8.874E-04	1.813E-11	7.535E-01	7.997E-04	2.887E-04	3.477E-02
1.700E+04	7.514E-02	5.867E-11	9.265E-08	6.614E-04	8.124E-12	7.524E-01	5.733E-04	3.148E-04	4.887E-02
1.800E+04	1.009E-01	2.607E-11	5.122E-08	4.857E-04	4.673E-12	7.513E-01	4.083E-04	3.531E-04	6.771E-02
1.900E+04	1.301E-01	1.140E-11	2.784E-08	3.495E-04	2.624E-12	7.501E-01	2.871E-04	3.792E-04	8.512E-02
2.000E+04	1.618E-01	4.854E-12	1.477E-08	2.455E-04	1.538E-13	7.490E-01	1.984E-04	3.905E-04	1.104E-01
2.100E+04	1.948E-01	2.000E-12	7.615E-09	1.681E-04	2.232E-13	7.478E-01	1.363E-04	3.867E-04	1.293E-01
2.200E+04	2.283E-01	7.949E-13	3.812E-09	1.121E-04	8.374E-14	7.465E-01	8.904E-05	3.679E-04	1.527E-01
2.300E+04	2.601E-01	3.054E-13	1.856E-09	7.302E-05	3.039E-14	7.454E-01	5.785E-05	3.381E-04	1.758E-01
2.400E+04	2.902E-01	1.140E-13	8.875E-10	4.661E-05	1.064E-14	7.443E-01	3.692E-05	3.021E-04	1.980E-01
2.500E+04	3.176E-01	4.155E-14	4.121E-10	2.920E-05	3.689E-15	7.432E-01	2.323E-05	2.634E-04	2.187E-01
2.600E+04	3.420E-01	1.497E-14	1.903E-10	1.720E-05	1.258E-15	7.421E-01	1.464E-05	2.235E-04	2.375E-01
2.700E+04	3.636E-01	5.363E-15	8.751E-11	1.129E-05	4.207E-16	7.410E-01	8.464E-06	1.870E-04	2.545E-01
2.800E+04	3.819E-01	1.927E-15	4.032E-11	6.943E-06	1.665E-16	7.400E-01	5.548E-06	1.464E-04	2.697E-01
2.900E+04	3.978E-01	6.999E-16	1.872E-11	4.259E-06	5.074E-17	7.390E-01	3.642E-06	1.067E-04	2.818E-01
3.000E+04	4.111E-01	2.583E-16	8.792E-12	2.677E-06	1.793E-17	7.380E-01	2.164E-06	7.534E-05	2.927E-01
3.100E+04	4.225E-01	9.732E-17	4.933E-12	1.680E-06	6.470E-18	7.370E-01	1.351E-06	5.010E-05	3.027E-01
3.200E+04	4.324E-01	3.752E-17	2.034E-12	1.044E-06	2.392E-18	7.360E-01	8.592E-07	3.061E-05	3.075E-01
3.300E+04	4.409E-01	1.483E-17	1.004E-12	6.809E-07	9.046E-19	7.350E-01	5.572E-07	2.072E-05	3.104E-01
3.400E+04	4.483E-01	6.014E-18	5.051E-13	4.394E-07	3.221E-19	7.340E-01	3.594E-07	1.450E-05	3.124E-01
3.500E+04	4.550E-01	2.530E-18	2.586E-13	2.869E-07	1.199E-19	7.329E-01	2.374E-07	9.727E-06	3.144E-01
3.600E+04	4.611E-01	1.065E-18	1.387E-13	1.887E-07	5.880E-20	7.318E-01	1.597E-07	6.565E-06	3.158E-01
3.700E+04	4.668E-01	4.460E-19	7.125E-14	1.251E-07	2.349E-20	7.307E-01	1.079E-07	4.531E-06	3.168E-01
3.800E+04	4.722E-01	1.624E-19	3.824E-14	8.339E-08	8.780E-21	7.296E-01	6.129E-08	2.899E-06	3.174E-01
3.900E+04	4.774E-01	9.371E-20	2.078E-14	5.548E-08	4.252E-21	7.285E-01	4.017E-08	1.769E-06	3.178E-01
4.000E+04	4.825E-01	4.127E-20	1.142E-14	3.750E-08	1.907E-21	7.274E-01	2.696E-08	1.063E-06	3.180E-01
4.100E+04	4.875E-01	2.030E-20	6.335E-15	2.534E-08	7.834E-22	7.263E-01	1.856E-08	6.801E-07	3.179E-01
4.200E+04	4.925E-01	9.663E-21	3.545E-15	1.712E-08	3.618E-22	7.252E-01	1.238E-08	4.538E-07	3.172E-01
4.300E+04	4.971E-01	4.660E-21	1.994E-15	1.157E-08	1.690E-22	7.241E-01	8.219E-09	3.097E-07	3.164E-01
4.400E+04	5.021E-01	2.275E-21	1.135E-15	7.833E-09	6.988E-23	7.230E-01	5.379E-09	2.081E-07	3.161E-01
4.500E+04	5.071E-01	1.124E-21	6.484E-16	5.306E-09	2.908E-23	7.219E-01	3.618E-09	1.408E-07	3.155E-01
4.600E+04	5.111E-01	5.612E-22	3.724E-16	3.595E-09	1.288E-23	7.208E-01	2.373E-09	9.535E-08	3.148E-01
4.700E+04	5.152E-01	2.835E-22	2.159E-16	2.639E-09	5.731E-24	7.197E-01	1.521E-09	6.250E-08	3.139E-01
4.800E+04	5.191E-01	1.448E-22	1.256E-16	1.650E-09	2.582E-24	7.186E-01	9.819E-10	4.114E-08	3.128E-01
4.900E+04	5.227E-01	7.476E-23	7.381E-17	1.129E-09	1.132E-24	7.175E-01	6.544E-10	2.732E-08	3.117E-01
5.000E+04	5.263E-01	3.935E-23	4.362E-17	7.708E-10	5.215E-25	7.164E-01	4.394E-10	1.850E-08	3.104E-01

PPD = 2.26E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+22	0.	8.099E-01	1.249E-20	3.070E-35	2.219E-24	1.787E-27	1.429E-31	1.533E-18	7.613E-27
6.000E+22	0.	5.932E-01	3.421E-17	4.024E-29	5.110E-24	1.814E-28	3.351E-02	1.309E-18	2.296E-21
7.000E+22	0.	2.949E-01	7.700E-19	6.071E-25	4.763E-21	1.244E-18	5.790E-01	1.003E-18	4.120E-27
8.000E+22	0.	1.353E-01	3.431E-13	1.184E-21	5.985E-19	1.577E-13	6.615E-01	9.997E-19	1.011E-20
9.000E+22	0.	6.208E-02	5.914E-12	9.170E-19	2.284E-17	4.623E-12	7.814E-01	8.665E-19	1.646E-20
1.000E+23	0.	3.393E-02	5.450E-11	2.698E-17	3.637E-16	1.303E-11	7.740E-01	7.760E-19	3.324E-20
1.100E+23	0.	1.694E-02	3.287E-10	1.009E-15	3.40E-15	1.498E-09	7.177E-01	3.633E-19	4.771E-20
1.200E+23	0.	1.016E-02	1.653E-09	2.932E-14	3.366E-14	1.146E-08	6.24E-01	3.667E-19	6.839E-20

TABLE II. - Continued

M	N	NZ	NZ+	N+	N-	N++	N+++	N****	T
1.508E-08	8.470E-04	2.130E-01	2.895E-09	1.205E-10	2.330E-11	0.	0.	0.	4.900E+03
2.229E-08	1.067E-03	2.094E-01	4.252E-09	2.15E-10	4.140E-11	0.	0.	0.	5.000E+03
4.598E-08	1.499E-03	2.020E-01	9.033E-09	6.499E-10	1.219E-10	0.	0.	0.	5.200E+03
8.840E-08	2.462E-03	1.944E-01	1.804E-08	1.409E-09	3.266E-10	0.	0.	0.	5.400E+03
1.595E-07	3.567E-03	1.869E-01	3.441E-08	4.704E-09	8.111E-10	0.	0.	0.	5.600E+03
2.719E-07	5.034E-03	1.755E-01	6.300E-08	1.151E-08	1.870E-09	0.	0.	0.	5.800E+03
4.435E-07	6.939E-03	1.723E-01	1.112E-07	2.663E-08	4.090E-09	0.	0.	0.	6.000E+03
6.821E-07	9.364E-03	1.654E-01	1.858E-07	5.882E-08	8.418E-09	6.075E-24	0.	0.	6.200E+03
1.015E-06	1.240E-02	1.589E-01	3.143E-07	1.233E-07	1.647E-08	4.904E-25	0.	0.	6.400E+03
1.457E-06	1.613E-02	1.526E-01	5.094E-07	2.486E-07	3.081E-08	3.519E-24	0.	0.	6.600E+03
2.024E-06	2.165E-02	1.444E-01	7.926E-07	4.823E-07	5.528E-08	2.252E-23	0.	0.	6.800E+03
2.747E-06	2.803E-02	1.403E-01	1.210E-06	9.010E-07	9.554E-08	1.304E-22	0.	0.	7.000E+03
3.633E-06	3.736E-02	1.362E-01	1.802E-06	1.427E-06	1.595E-07	6.859E-22	0.	0.	7.200E+03
4.704E-06	4.966E-02	1.279E-01	2.617E-06	2.844E-06	2.578E-07	3.303E-21	0.	0.	7.400E+03
5.978E-06	6.740E-02	1.214E-01	3.709E-06	4.820E-06	4.044E-07	1.443E-23	0.	0.	7.600E+03
7.474E-06	9.129E-02	1.146E-01	5.133E-06	7.931E-06	4.174E-07	6.000E-20	0.	0.	7.800E+03
9.207E-06	1.254E-01	1.076E-01	6.937E-06	1.269E-05	1.177E-07	2.286E-19	0.	0.	8.000E+03
1.119E-05	1.786E-01	1.003E-01	9.155E-06	1.973E-05	1.330E-07	4.135E-19	0.	0.	8.200E+03
1.345E-05	2.407E-01	9.272E-02	1.180E-05	2.994E-05	1.803E-06	2.715E-18	0.	0.	8.400E+03
1.594E-05	3.102E-01	8.500E-02	1.487E-05	4.438E-05	2.606E-06	8.516E-18	0.	0.	8.600E+03
1.881E-05	3.951E-01	7.722E-02	1.832E-05	6.417E-05	3.529E-06	2.524E-17	0.	0.	8.800E+03
2.195E-05	4.983E-01	6.949E-02	2.207E-05	9.012E-05	4.681E-06	7.307E-17	0.	0.	9.000E+03
2.540E-05	6.249E-01	6.193E-02	2.602E-05	1.255E-04	6.086E-06	1.892E-16	0.	0.	9.200E+03
2.917E-05	7.781E-01	5.467E-02	3.005E-05	1.702E-04	7.766E-06	4.814E-16	0.	0.	9.400E+03
3.328E-05	9.647E-01	4.742E-02	3.403E-05	2.265E-04	9.732E-06	1.171E-15	0.	0.	9.600E+03
3.772E-05	1.194E-01	4.147E-02	3.794E-05	2.960E-04	1.199E-05	2.734E-15	0.	0.	9.800E+03
4.251E-05	1.453E-01	3.568E-02	4.136E-05	3.805E-04	1.455E-05	6.135E-15	0.	0.	1.000E+04
4.761E-05	1.791E-01	1.555E-02	5.302E-05	1.087E-03	3.141E-05	2.117E-14	0.	0.	1.100E+04
5.302E-05	2.224E-01	6.544E-03	5.563E-05	2.432E-03	5.389E-05	3.831E-12	0.	0.	1.200E+04
1.531E-04	2.357E-01	2.882E-03	5.360E-05	4.663E-03	8.012E-05	4.362E-11	0.	0.	1.300E+04
2.004E-04	2.529E-01	1.355E-03	4.964E-05	8.031E-03	1.381E-04	3.501E-10	1.620E-24	0.	1.400E+04
2.464E-04	2.763E-01	6.763E-04	4.483E-05	1.274E-02	1.353E-04	2.135E-09	1.032E-22	0.	1.500E+04
2.880E-04	2.165E-01	3.534E-04	3.957E-05	1.892E-02	1.586E-04	1.343E-08	3.904E-21	0.	1.600E+04
3.194E-04	2.039E-01	1.907E-04	3.410E-05	2.649E-02	1.755E-04	4.243E-08	1.022E-19	0.	1.700E+04
3.378E-04	1.889E-01	1.346E-04	2.803E-05	3.533E-02	1.840E-04	1.482E-07	1.865E-18	0.	1.800E+04
3.413E-04	1.720E-01	5.817E-05	2.337E-05	4.508E-02	1.836E-04	4.553E-07	2.563E-17	0.	1.900E+04
3.302E-04	1.539E-01	3.244E-05	1.853E-05	5.542E-02	1.747E-04	1.253E-06	2.749E-16	0.	2.000E+04
3.067E-04	1.355E-01	1.780E-05	1.429E-05	6.555E-02	1.592E-04	3.139E-06	2.437E-15	0.	2.100E+04
2.744E-04	1.175E-01	9.749E-06	1.072E-05	7.532E-02	1.396E-04	7.250E-06	1.799E-14	0.	2.200E+04
2.374E-04	1.006E-01	5.300E-06	7.865E-06	8.428E-02	1.182E-04	1.561E-05	1.140E-13	0.	2.300E+04
1.956E-04	8.525E-02	2.865E-06	5.450E-06	9.211E-02	9.746E-05	3.179E-05	6.321E-13	0.	2.400E+04
1.639E-04	7.172E-02	1.545E-06	4.013E-06	9.878E-02	7.850E-05	6.062E-05	3.116E-12	0.	2.500E+04
1.322E-04	6.008E-02	8.345E-07	2.826E-06	1.043E-01	6.218E-05	1.170E-04	1.383E-11	0.	2.600E+04
1.053E-04	5.025E-02	4.533E-07	1.973E-06	1.087E-01	4.870E-05	1.949E-04	5.591E-11	0.	2.700E+04
8.323E-05	4.237E-02	2.484E-07	1.379E-06	1.121E-01	3.785E-05	3.297E-04	2.076E-10	0.	2.800E+04
6.561E-05	3.530E-02	1.378E-07	6.659E-07	1.147E-01	2.993E-05	5.395E-04	7.132E-10	0.	2.900E+04
5.178E-05	2.973E-02	7.743E-08	4.796E-07	1.166E-01	2.280E-05	8.565E-04	2.282E-09	0.	3.000E+04
4.104E-05	2.515E-02	4.415E-08	4.807E-07	1.179E-01	1.772E-05	1.322E-04	6.839E-09	0.	3.100E+04
3.276E-05	2.136E-02	2.553E-08	3.420E-07	1.186E-01	1.382E-05	1.987E-03	1.927E-08	0.	3.200E+04
2.639E-05	1.821E-02	1.457E-08	2.446E-07	1.187E-01	1.082E-05	2.915E-03	5.129E-08	0.	3.300E+04
2.145E-05	1.558E-02	8.884E-09	1.757E-07	1.182E-01	8.505E-06	4.174E-03	1.293E-07	0.	3.400E+04
1.770E-05	1.336E-02	5.327E-09	1.265E-07	1.171E-01	6.710E-06	5.840E-03	3.095E-07	5.076E-15	3.500E+04
1.475E-05	1.147E-02	3.220E-09	9.114E-08	1.153E-01	5.310E-06	7.988E-03	7.054E-07	2.448E-14	3.600E+04
1.245E-05	9.847E-03	1.957E-09	6.583E-08	1.128E-01	4.211E-06	1.068E-02	1.533E-06	1.083E-13	3.700E+04
1.073E-05	8.443E-03	1.143E-09	4.706E-08	1.095E-01	3.342E-06	1.357E-02	3.185E-06	4.412E-13	3.800E+04
9.185E-06	7.222E-03	7.276E-10	3.355E-08	1.056E-01	2.654E-06	1.787E-02	6.771E-06	1.664E-12	3.900E+04
8.022E-06	6.155E-03	4.430E-10	2.373E-08	1.009E-01	2.105E-06	2.235E-02	1.206E-05	5.833E-12	4.000E+04
7.077E-06	5.222E-03	2.887E-10	1.663E-08	9.550E-02	1.666E-06	2.737E-02	2.208E-05	1.907E-11	4.100E+04
6.331E-06	4.448E-03	1.621E-10	1.154E-08	8.961E-02	1.314E-06	3.281E-02	3.687E-05	5.841E-11	4.200E+04
5.655E-06	3.790E-03	9.720E-11	7.917E-09	8.333E-02	1.034E-06	3.856E-02	6.579E-05	1.682E-10	4.300E+04
5.122E-06	3.188E-03	5.790E-11	5.374E-09	7.681E-02	8.297E-07	4.446E-02	1.083E-04	4.574E-10	4.400E+04
4.651E-06	2.563E-03	3.427E-11	3.610E-09	7.023E-02	6.320E-07	5.036E-02	1.720E-04	1.179E-09	4.500E+04
4.254E-06	2.116E-03	2.317E-11	2.432E-09	6.374E-02	4.914E-07	5.611E-02	2.653E-04	2.891E-09	4.600E+04
3.910E-06	1.739E-03	1.181E-11	1.585E-09	5.747E-02	3.808E-07	6.159E-02	3.981E-04	6.772E-09	4.700E+04
3.608E-06	1.423E-03	6.888E-12	1.039E-09	5.153E-02	2.943E-07	6.670E-02	5.828E-04	1.523E-08	4.800E+04
3.342E-06	1.161E-03	4.008E-12	6.774E-10	4.548E-02	2.272E-07	7.136E-02	8.332E-04	3.280E-08	4.900E+04
3.134E-06	9.449E-04	2.329E-12	4.399E-10	4.067E-02	1.750E-07	7.552E-02	1.167E-03	6.823E-08	5.000E+04

P/PD = 2.20E+02

M	N	NZ	NZ+	N+	N-	N++	N+++	N****	T
0.	0.	4.763E-02	7.313E-21	0.	0.	0.	0.	0.	5.000E+07
0.	0.	1.117E-01	1.124E-23	0.	0.	0.	0.	0.	4.900E+02
0.	0.	1.763E-01	1.416E-20	0.	0.	0.	0.	0.	7.050E+02
0.	5.664E-33	2.162E-01	1.674E-23	0.	0.	0.	0.	0.	8.000E+02
0.	1.673E-26	2.345E-01	1.955E-20	0.	0.	0.	0.	0.	9.000E+02
0.	9.871E-24	2.423E-01	2.241E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.823E-21	2.458E-01	2.500E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.413E-17	2.475E-01	2.718E-20	0.	0.	0.	0.	0.	1.200E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	M2	M2+	H+
1.300E+03	0.	6.536E-03	5.003E-09	2.622E-13	1.159E-13	6.436E-08	7.451E-01	7.360E-19	9.228E-20
1.400E+03	0.	4.479E-03	1.483E-08	2.323E-12	4.504E-13	2.832E-07	7.466E-01	7.068E-19	1.185E-19
1.500E+03	1.993E-34	3.228E-03	3.748E-08	1.539E-11	1.500E-12	1.025E-06	7.476E-01	6.773E-19	1.442E-19
1.600E+03	4.331E-31	2.425E-03	8.427E-08	8.044E-11	4.259E-12	3.167E-06	7.482E-01	6.476E-19	1.744E-19
1.700E+03	3.877E-28	1.887E-03	1.722E-07	3.463E-10	1.072E-11	8.505E-06	7.486E-01	6.191E-19	2.024E-19
1.800E+03	1.656E-25	1.512E-03	3.249E-07	1.267E-09	2.443E-11	2.086E-05	7.488E-01	5.913E-19	2.307E-19
1.900E+03	3.789E-23	1.241E-03	5.734E-07	4.044E-09	5.114E-11	4.624E-05	7.490E-01	5.647E-19	2.592E-19
2.000E+33	5.068E-21	1.041E-03	9.559E-07	1.150E-08	9.963E-11	9.476E-05	7.491E-01	5.428E-19	2.828E-19
2.100E+03	3.162E-19	8.889E-04	1.518E-06	2.961E-08	1.825E-10	1.815E-04	7.492E-01	5.207E-19	3.077E-19
2.200E+03	4.183E-18	7.798E-04	2.311E-06	6.994E-07	3.170E-10	3.281E-04	7.491E-01	2.948E-18	1.961E-18
2.300E+03	2.479E-17	6.775E-04	3.392E-06	1.533E-07	5.255E-10	5.637E-04	7.490E-01	1.672E-17	1.235E-17
2.400E+03	1.596E-16	6.024E-04	4.822E-06	3.148E-07	8.363E-10	9.263E-04	7.487E-01	8.725E-17	7.091E-17
2.500E+03	7.667E-16	5.410E-04	6.662E-06	6.101E-07	1.284E-09	1.463E-03	7.483E-01	4.031E-16	3.577E-16
2.600E+03	3.268E-15	4.901E-04	8.975E-06	1.124E-06	1.908E-09	2.233E-03	7.477E-01	1.661E-15	1.599E-15
2.700E+03	1.254E-14	4.474E-04	1.182E-05	1.978E-06	2.755E-09	3.503E-03	7.468E-01	6.175E-15	6.405E-15
2.800E+03	4.377E-14	4.110E-04	1.526E-05	3.343E-06	3.877E-09	4.755E-03	7.455E-01	2.093E-14	2.328E-14
2.900E+03	1.404E-13	3.796E-04	1.933E-05	5.447E-06	5.327E-09	6.669E-03	7.439E-01	6.532E-14	7.731E-14
3.000E+03	4.175E-13	3.522E-04	2.409E-05	8.587E-06	7.169E-09	9.147E-03	7.417E-01	1.891E-13	2.385E-13
3.100E+03	1.159E-12	3.281E-04	2.956E-05	1.314E-05	9.457E-09	1.229E-02	7.390E-01	5.119E-13	6.834E-13
3.200E+03	3.019E-12	3.065E-04	3.576E-05	1.956E-05	1.225E-08	1.621E-02	7.356E-01	1.303E-12	1.835E-12
3.300E+03	7.433E-12	2.870E-04	4.269E-05	2.849E-05	1.500E-08	2.101E-02	7.314E-01	3.135E-12	4.647E-12
3.400E+03	1.737E-11	2.692E-04	5.034E-05	4.031E-05	1.955E-08	2.681E-02	7.263E-01	7.167E-12	1.115E-11
3.500E+03	3.688E-11	2.528E-04	5.868E-05	5.601E-05	2.414E-08	3.371E-02	7.202E-01	1.563E-11	2.574E-11
3.600E+03	8.247E-11	2.375E-04	6.765E-05	7.633E-05	2.947E-08	4.181E-02	7.132E-01	3.263E-11	5.595E-11
3.700E+03	1.688E-10	2.231E-04	7.718E-05	1.021E-04	3.534E-08	5.121E-02	7.049E-01	6.544E-11	1.164E-10
3.800E+03	3.329E-10	2.095E-04	8.718E-05	1.344E-04	4.193E-08	6.200E-02	6.955E-01	1.764E-10	2.745E-10
3.900E+03	6.342E-10	1.965E-04	9.754E-05	1.740E-04	4.916E-08	7.423E-02	6.847E-01	2.360E-10	4.598E-10
4.000E+03	1.170E-09	1.840E-04	1.081E-04	2.221E-04	5.696E-08	8.795E-02	6.727E-01	4.265E-10	8.571E-10
4.100E+03	2.095E-09	1.720E-04	1.188E-04	2.791E-04	6.528E-08	1.032E-01	6.593E-01	7.477E-10	1.563E-09
4.200E+03	3.648E-09	1.604E-04	1.294E-04	3.470E-04	7.397E-08	1.200E-01	6.446E-01	2.747E-09	2.769E-09
4.300E+03	6.191E-09	1.492E-04	1.398E-04	4.256E-04	8.295E-08	1.383E-01	6.285E-01	2.114E-09	4.777E-09
4.400E+03	1.025E-08	1.383E-04	1.497E-04	5.159E-04	9.209E-08	1.581E-01	6.112E-01	3.421E-09	8.034E-09
4.500E+03	1.660E-08	1.278E-04	1.591E-04	6.184E-04	1.012E-07	1.792E-01	5.926E-01	5.407E-09	1.320E-08
4.600E+03	2.631E-08	1.177E-04	1.678E-04	7.335E-04	1.102E-07	2.017E-01	5.728E-01	6.355E-09	2.127E-08
4.700E+03	4.387E-08	1.079E-04	1.757E-04	8.612E-04	1.188E-07	2.253E-01	5.520E-01	1.264E-08	3.360E-08
4.800E+03	6.230E-08	9.862E-05	1.825E-04	1.092E-03	1.270E-07	2.500E-01	5.303E-01	1.874E-08	5.195E-08
4.900E+03	9.330E-08	8.973E-05	1.882E-04	1.154E-03	1.346E-07	2.756E-01	5.078E-01	2.726E-08	7.812E-08
5.000E+03	1.374E-07	8.130E-05	1.928E-04	1.319E-03	1.414E-07	3.019E-01	4.864E-01	3.895E-08	1.163E-07
5.100E+03	2.845E-07	6.588E-05	1.982E-04	1.680E-03	1.523E-07	3.557E-01	4.371E-01	7.551E-08	2.456E-07
5.200E+03	5.567E-07	5.248E-05	1.987E-04	2.077E-03	1.592E-07	4.100E-01	3.892E-01	1.375E-07	4.889E-07
5.300E+03	1.038E-06	4.112E-05	1.947E-04	2.500E-03	1.619E-07	4.610E-01	3.422E-01	2.365E-07	9.274E-07
5.400E+03	1.841E-06	3.175E-05	1.867E-04	2.938E-03	1.686E-07	5.133E-01	2.975E-01	3.865E-07	1.659E-06
5.500E+03	3.141E-06	2.419E-05	1.759E-04	3.380E-03	1.768E-07	5.597E-01	2.559E-01	4.028E-07	2.856E-06
5.600E+03	5.167E-06	1.823E-05	1.630E-04	3.818E-03	1.848E-07	6.015E-01	2.183E-01	9.018E-07	4.729E-06
5.700E+03	8.223E-06	1.363E-05	1.490E-04	4.239E-03	1.941E-07	6.382E-01	1.849E-01	1.300E-06	7.557E-06
5.800E+03	1.270E-05	1.012E-05	1.348E-04	4.641E-03	1.293E-07	6.697E-01	1.558E-01	1.813E-06	1.170E-05
5.900E+03	1.911E-05	7.493E-06	1.208E-04	5.017E-03	1.184E-07	6.961E-01	1.308E-01	2.455E-06	1.759E-05
6.000E+03	2.843E-05	5.537E-06	1.076E-04	5.366E-03	9.071E-08	7.178E-01	1.097E-01	3.239E-06	2.576E-05
7.000E+03	4.334E-05	4.091E-06	9.439E-05	5.678E-03	7.954E-08	7.354E-01	9.190E-02	4.137E-06	3.685E-05
7.200E+03	5.886E-05	3.025E-06	8.360E-05	5.950E-03	8.608E-08	7.492E-01	7.707E-02	5.788E-06	5.184E-05
7.400E+03	7.888E-05	2.241E-06	7.327E-05	6.185E-03	7.621E-08	7.597E-01	6.474E-02	6.550E-06	7.072E-05
7.600E+03	1.072E-04	1.664E-06	6.400E-05	6.376E-03	6.689E-08	7.674E-01	5.451E-02	7.999E-06	9.678E-05
7.800E+03	1.438E-04	1.239E-06	5.573E-05	6.522E-03	5.845E-08	7.724E-01	4.604E-02	9.629E-06	1.282E-04
8.000E+03	1.904E-04	9.249E-07	4.838E-05	6.620E-03	5.062E-08	7.759E-01	3.902E-02	1.144E-05	1.648E-04
8.200E+03	2.488E-04	6.923E-07	4.184E-05	6.671E-03	4.350E-08	7.775E-01	3.319E-02	1.244E-05	2.121E-04
8.400E+03	3.214E-04	5.196E-07	3.616E-05	6.673E-03	3.709E-08	7.785E-01	2.834E-02	1.563E-05	2.694E-04
8.600E+03	4.138E-04	3.910E-07	3.114E-05	6.627E-03	3.138E-08	7.789E-01	2.430E-02	1.802E-05	3.386E-04
8.800E+03	5.195E-04	2.950E-07	2.675E-05	6.537E-03	2.633E-08	7.777E-01	2.093E-02	2.060E-05	4.208E-04
9.000E+03	6.509E-04	2.232E-07	2.293E-05	6.405E-03	2.193E-08	7.729E-01	1.811E-02	2.338E-05	5.178E-04
9.200E+03	8.080E-04	1.693E-07	1.961E-05	6.236E-03	1.812E-08	7.702E-01	1.574E-02	2.638E-05	6.317E-04
9.400E+03	1.045E-04	1.289E-07	1.675E-05	6.035E-03	1.487E-08	7.673E-01	1.375E-02	2.960E-05	7.644E-04
9.600E+03	1.214E-03	9.841E-08	1.429E-05	5.809E-03	1.212E-08	7.643E-01	1.206E-02	3.377E-05	9.181E-04
1.000E+04	1.471E-03	7.542E-08	1.217E-05	5.565E-03	9.828E-09	7.614E-01	1.063E-02	3.679E-05	1.095E-03
1.100E+04	3.467E-03	2.128E-08	5.492E-06	4.260E-03	3.283E-09	7.488E-01	6.059E-03	5.979E-05	2.433E-03
1.200E+04	7.102E-03	6.794E-09	2.579E-06	3.142E-03	1.101E-09	7.395E-01	3.785E-03	9.112E-05	4.813E-03
1.300E+04	1.305E-02	2.441E-09	1.284E-06	2.322E-03	3.937E-10	7.299E-01	2.517E-03	1.310E-04	1.444E-03
1.400E+04	2.201E-02	9.636E-10	6.739E-07	1.736E-03	1.514E-10	7.172E-01	1.742E-03	1.781E-04	4.444E-02
1.500E+04	3.458E-02	4.369E-10	3.672E-07	1.308E-03	6.167E-11	6.997E-01	1.236E-03	2.301E-04	2.253E-02
1.600E+04	5.117E-02	1.791E-10	2.045E-07	9.868E-04	2.603E-11	6.767E-01	8.879E-04	2.814E-04	3.327E-02
1.700E+04	7.194E-02	8.043E-11	1.147E-07	7.391E-04	1.116E-11	6.478E-01	6.393E-04	3.339E-04	4.671E-02
1.800E+04	9.670E-02	3.615E-11	6.397E-08	5.462E-04	4.774E-12	6.131E-01	4.578E-04	3.757E-04	6.292E-02
1.900E+04	1.249E-01	1.603E-11	3.514E-08	3.960E-04	2.011E-12	5.734E-01	3.240E-04	4.051E-04	8.162E-02
2.000E+04	1.557E-01	6.939E-12	1.888E-08	2.806E-04	8.245E-13	5.297E-01	2.255E-04	4.195E-04	1.024E-01
2.100E+04	1.879E-01	2.911E-12	9.872E-09	1.940E-04	3.272E-13	4.835E-01	1.540E-04	4.175E-04	1.245E-01
2.200E+04	2.205E-01	1.181E-12	5.019E-09	1.308E-04	1.254E-13	4.365E-01	1.031E-04	4.004E-04	1.473E-01
2.300E+04	2.522E-01	4.634E-13	2.443E-09	8.614E-05	4.646E-14	3.901E-01	6.744E-05	3.711E-04	1.700E-01
2.400E+04	2.821E-01	1.767E-13	1.200E-09	5.560E-05	1.674E-14	3.456E-01	4.362E-05	3.337E-04	1.919E-01
2.500E+04	3.096E-01	6.588E-14	5.697E-10	3.532E-05	5.905E-15	3.048E-01	2.772E-05	2.924E-04	2.125E-01
2.600E+04	3.343E-01	2.421E-14	2.672E-10	2.219E-05	2.057E-15	2.675E-01	1.745E-05	2.507E-04	2.313E-01
2.700E+04	3.560E-01	8.841E-15	1.247E-10	1.385E-05	7.138E-16	2.342E-01	1.091E-05	2.113E-04	2.487E-01
2.800E+04	3.749E-01	3.235E-15	5.823E-11	8.27E-06	2.487E-16	2.053E-01	6.813E-06	1.758E-04	2.632E-01
2.900E+04	3.911E-01	1.194E-15	2.736E-11	5.385E-06	8.763E-17	1.801E-01	4.211E-06	1.400E-04	2.876E-01
3.000E+04	4.051E-01	4.472E-16	1.299E-11	3.977E-06	3.135E-17	1.585E-01	2.678E-06	1.189E-04	2.875E-01
3.100E+04	4.170E-01	1.707E-16	6.257E-12	2.134E-06	1.148E-17	1.379E-01	1.697E-06	9.778E-05	2.972E-01
3.200E+04	4.272E-01	6.657E-17	3.061E-12</						

TABLE II.- Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	5.610E-10	2.404E-01	2.800E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.322E-16	2.409E-01	3.011E-20	1.041E-31	0.	0.	0.	0.	1.400E+03
0.	2.047E-15	2.492E-01	3.092E-20	9.221E-31	0.	0.	0.	0.	1.500E+03
5.035E-34	2.253E-14	2.494E-01	3.136E-20	6.172E-30	0.	0.	0.	0.	1.600E+03
7.635E-31	1.072E-13	2.495E-01	3.151E-20	3.281E-29	0.	0.	0.	0.	1.700E+03
5.176E-28	1.231E-12	2.496E-01	3.142E-20	1.440E-28	0.	0.	0.	0.	1.800E+03
1.780E-25	6.648E-12	2.497E-01	3.115E-20	5.382E-28	0.	0.	0.	0.	1.900E+03
3.416E-23	3.035E-11	2.497E-01	3.094E-20	1.765E-27	0.	0.	0.	0.	2.000E+03
2.941E-21	1.200E-10	2.498E-01	4.161E-20	6.998E-27	0.	0.	0.	0.	2.100E+03
5.189E-20	4.190E-10	2.498E-01	1.775E-19	7.979E-26	2.485E-27	0.	0.	0.	2.200E+03
4.626E-19	1.313E-09	2.498E-01	1.030E-18	1.137E-24	4.984E-26	0.	0.	0.	2.300E+03
3.237E-18	3.743E-09	2.497E-01	5.490E-18	1.379E-23	7.322E-25	0.	0.	0.	2.400E+03
1.921E-17	9.817E-09	2.497E-01	2.586E-17	1.385E-22	8.594E-24	0.	0.	0.	2.500E+03
9.913E-17	2.392E-08	2.496E-01	1.084E-16	1.168E-21	8.326E-23	0.	0.	0.	2.600E+03
4.525E-16	5.457E-08	2.495E-01	4.098E-16	8.432E-21	4.805E-22	0.	0.	0.	2.700E+03
1.850E-15	1.174E-07	2.493E-01	1.411E-15	5.294E-20	4.787E-21	0.	0.	0.	2.800E+03
6.859E-15	2.397E-07	2.491E-01	4.469E-15	2.922E-19	2.938E-20	0.	0.	0.	2.900E+03
2.326E-14	4.605E-07	2.488E-01	1.313E-14	1.451E-18	1.596E-19	0.	0.	0.	3.000E+03
7.279E-14	8.791E-07	2.484E-01	3.603E-14	6.489E-18	7.764E-19	0.	0.	0.	3.100E+03
2.116E-13	1.561E-06	2.479E-01	9.301E-14	2.646E-17	3.416E-18	0.	0.	0.	3.200E+03
5.764E-13	2.703E-06	2.473E-01	2.270E-13	9.922E-17	1.372E-17	0.	0.	0.	3.300E+03
1.478E-12	4.531E-06	2.465E-01	5.264E-13	3.447E-16	5.071E-17	0.	0.	0.	3.400E+03
3.575E-12	7.373E-06	2.457E-01	1.165E-12	1.116E-15	1.737E-16	0.	0.	0.	3.500E+03
8.224E-12	1.168E-05	2.446E-01	2.476E-12	3.392E-15	5.545E-16	0.	0.	0.	3.600E+03
1.895E-11	1.803E-05	2.435E-01	5.033E-12	9.718E-15	1.660E-15	0.	0.	0.	3.700E+03
3.790E-11	2.721E-05	2.421E-01	9.890E-12	2.637E-14	4.833E-15	0.	0.	0.	3.800E+03
7.640E-11	4.020E-05	2.405E-01	1.879E-11	6.806E-14	1.250E-14	0.	0.	0.	3.900E+03
1.483E-10	5.821E-05	2.388E-01	3.440E-11	1.877E-13	3.172E-14	0.	0.	0.	4.000E+03
2.775E-10	8.275E-05	2.368E-01	6.191E-11	3.959E-13	7.637E-14	0.	0.	0.	4.100E+03
5.037E-10	1.154E-04	2.347E-01	1.076E-10	8.979E-13	1.778E-13	0.	0.	0.	4.200E+03
8.852E-10	1.590E-04	2.323E-01	1.831E-10	1.963E-12	3.955E-13	0.	0.	0.	4.300E+03
1.511E-09	2.154E-04	2.298E-01	3.037E-10	4.144E-12	8.448E-13	0.	0.	0.	4.400E+03
2.510E-09	2.878E-04	2.270E-01	4.924E-10	8.473E-12	1.743E-12	0.	0.	0.	4.500E+03
4.064E-09	3.794E-04	2.241E-01	7.637E-10	1.681E-11	3.477E-12	0.	0.	0.	4.600E+03
6.422E-09	4.941E-04	2.210E-01	1.222E-09	3.262E-11	6.721E-12	0.	0.	0.	4.700E+03
9.918E-09	6.361E-04	2.174E-01	1.873E-09	6.791E-11	1.261E-11	0.	0.	0.	4.800E+03
1.459E-08	8.101E-04	2.144E-01	2.821E-09	1.116E-10	2.302E-11	0.	0.	0.	4.900E+03
2.219E-08	1.021E-03	2.109E-01	4.183E-09	1.994E-10	4.092E-11	0.	0.	0.	5.000E+03
4.592E-08	1.578E-03	2.036E-01	8.805E-09	6.013E-10	1.202E-10	0.	0.	0.	5.200E+03
8.858E-08	2.357E-03	1.962E-01	1.759E-08	1.674E-09	3.236E-10	0.	0.	0.	5.400E+03
1.604E-07	3.417E-03	1.887E-01	3.353E-08	4.350E-09	8.051E-10	0.	0.	0.	5.600E+03
2.744E-07	4.824E-03	1.813E-01	4.136E-08	1.063E-08	1.868E-09	0.	0.	0.	5.800E+03
4.466E-07	6.651E-03	1.741E-01	1.082E-07	2.450E-08	4.071E-09	0.	0.	0.	6.000E+03
6.942E-07	9.176E-03	1.672E-01	1.846E-07	5.406E-08	8.388E-09	5.389E-26	0.	0.	6.200E+03
1.037E-06	1.288E-02	1.606E-01	3.093E-07	1.136E-07	1.643E-08	4.343E-25	0.	0.	6.400E+03
1.453E-06	1.546E-02	1.542E-01	4.910E-07	2.288E-07	3.076E-08	3.104E-24	0.	0.	6.600E+03
2.085E-06	1.980E-02	1.480E-01	7.868E-07	4.433E-07	5.525E-08	1.987E-23	0.	0.	6.800E+03
2.833E-06	2.496E-02	1.419E-01	1.173E-06	8.282E-07	9.557E-08	1.149E-22	0.	0.	7.000E+03
3.755E-06	3.104E-02	1.358E-01	1.747E-06	1.445E-06	1.597E-07	6.038E-22	0.	0.	7.200E+03
4.873E-06	3.806E-02	1.295E-01	2.538E-06	2.613E-06	2.584E-07	2.905E-21	0.	0.	7.400E+03
6.244E-06	4.604E-02	1.231E-01	3.600E-06	4.429E-06	4.059E-07	1.287E-20	0.	0.	7.600E+03
7.768E-06	5.544E-02	1.164E-01	4.988E-06	7.291E-06	6.200E-07	5.277E-20	0.	0.	7.800E+03
9.583E-06	6.496E-02	1.095E-01	6.751E-06	1.167E-05	9.227E-07	2.012E-19	0.	0.	8.000E+03
1.166E-05	7.573E-02	1.023E-01	8.929E-06	1.819E-05	1.339E-06	7.165E-19	0.	0.	8.200E+03
1.403E-05	8.723E-02	9.482E-02	1.154E-05	2.764E-05	1.899E-06	2.392E-18	0.	0.	8.400E+03
1.668E-05	9.931E-02	8.721E-02	1.494E-05	4.058E-05	2.632E-06	7.518E-18	0.	0.	8.600E+03
1.965E-05	1.118E-01	7.951E-02	1.803E-05	5.935E-05	3.572E-06	2.232E-17	0.	0.	8.800E+03
2.294E-05	1.244E-01	7.183E-02	2.180E-05	8.407E-05	4.747E-06	6.278E-17	0.	0.	9.000E+03
2.656E-05	1.369E-01	6.430E-02	2.582E-05	1.166E-04	6.166E-06	1.679E-16	0.	0.	9.200E+03
3.052E-05	1.491E-01	5.702E-02	2.995E-05	1.584E-04	7.912E-06	4.282E-16	0.	0.	9.400E+03
3.483E-05	1.607E-01	5.010E-02	3.407E-05	2.113E-04	9.435E-06	1.044E-15	0.	0.	9.600E+03
3.944E-05	1.716E-01	4.365E-02	3.806E-05	2.767E-04	1.228E-05	2.442E-15	0.	0.	9.800E+03
4.432E-05	1.816E-01	3.773E-02	4.181E-05	3.564E-04	1.493E-05	3.490E-15	0.	0.	1.000E+04
4.959E-05	1.916E-01	3.267E-02	4.546E-05	4.528E-04	1.828E-05	4.910E-15	0.	0.	1.100E+04
1.145E-04	2.019E-01	2.840E-02	4.911E-05	5.711E-04	2.211E-05	6.621E-15	0.	0.	1.200E+04
1.267E-04	2.125E-01	2.464E-02	5.286E-05	7.321E-04	2.644E-05	3.642E-14	0.	0.	1.300E+04
1.407E-04	2.232E-01	2.144E-02	5.681E-05	9.442E-04	3.195E-05	5.062E-14	0.	0.	1.400E+04
1.564E-04	2.342E-01	1.844E-02	6.096E-05	1.217E-03	3.806E-05	7.043E-14	0.	0.	1.500E+04
1.738E-04	2.454E-01	1.564E-02	6.531E-05	1.562E-03	4.488E-05	9.491E-14	0.	0.	1.600E+04
1.930E-04	2.570E-01	1.304E-02	6.986E-05	2.009E-03	5.255E-05	1.267E-13	0.	0.	1.700E+04
2.142E-04	2.690E-01	1.064E-02	7.461E-05	2.579E-03	6.099E-05	1.682E-13	0.	0.	1.800E+04
2.375E-04	2.814E-01	8.44E-03	7.956E-05	3.384E-03	7.022E-05	2.232E-13	0.	0.	1.900E+04
2.638E-04	2.942E-01	6.44E-03	8.471E-05	4.459E-03	8.044E-05	2.932E-13	0.	0.	2.000E+04
2.930E-04	3.074E-01	4.64E-03	9.026E-05	5.854E-03	9.166E-05	3.922E-13	0.	0.	2.100E+04
3.252E-04	3.210E-01	3.04E-03	9.601E-05	7.549E-03	1.039E-04	5.142E-13	0.	0.	2.200E+04
3.604E-04	3.350E-01	1.74E-03	1.020E-04	9.944E-03	1.174E-04	6.842E-13	0.	0.	2.300E+04
3.986E-04	3.494E-01	9.44E-04	1.082E-04	1.309E-03	1.314E-04	9.142E-13	0.	0.	2.400E+04
4.408E-04	3.642E-01	6.44E-04	1.146E-04	1.654E-03	1.461E-04	1.212E-12	0.	0.	2.500E+04
4.870E-04	3.794E-01	4.44E-04	1.211E-04	2.069E-03	1.614E-04	1.512E-12	0.	0.	2.600E+04
5.372E-04	3.950E-01	2.94E-04	1.277E-04	2.564E-03	1.774E-04	1.627E-12	0.	0.	2.700E+04
5.914E-04	4.110E-01	1.84E-04	1.344E-04	3.149E-03	1.941E-04	1.707E-12	0.	0.	2.800E+04
6.496E-04	4.274E-01	1.04E-04	1.412E-04	3.824E-03	2.114E-04	1.757E-12	0.	0.	2.900E+04
7.118E-04	4.442E-01	6.44E-05	1.481E-04	4.599E-03	2.292E-04	1.682E-12	0.	0.	3.000E+04
7.780E-04	4.614E-01	3.64E-05	1.551E-04	5.484E-03	2.474E-04	1.572E-12	0.	0.	3.100E+04
8.482E-04	4.790E-01	2.14E-05	1.622E-04	6.489E-03	2.661E-04	1.422E-12	0.	0.	3.200E+04
9.224E-04	4.970E-01	1.14E-05	1.694E-04	7.624E-03	2.854E-04	1.232E-12	0.	0.	3.300E+04
1.0006E-03	5.154E-01	6.44E-06	1.767E-04	8.899E-03	3.052E-04	1.002E-12	0.	0.	3.400E+04
1.0828E-03	5.342E-01	3.64E-06	1.841E-04	1.0324E-02	3.264E-04	7.122E-13	0.	0.	3.500E+04
1.1694E-03	5.534E-01	2.14E-06	1.916E-04	1.1919E-02	3.481E-04	5.142E-13	0.	0.	3.600E+04
1.2604E-03	5.730E-01	1.14E-06	1.992E-04	1.3684E-02	3.704E-04	3.562E-13	0.	0.	3.700E+04
1.3558E-03	5.930E-01	6.44E-07	2.069E-04	1.5629E-02	3.934E-04	2.442E-13	0.	0.	3.800E+04
1.4556E-03	6.134E-01	3.64E-07	2.148E-04	1.7754E-02	4.171E-04	1.622E-13	0.	0.	3.900E+04
1.5600E-03	6.342E-01	2.14E-07	2.228E-04	2.0069E-02	4.414E-04	9.142E-14	0.	0.	4.000E+04
1.6690E-03	6.554E-01	1.14E-07	2.309E-04	2.2604E-02	4.663E-04	5.142E-14	0.	0.	4.100E+04
1.7826E-03	6.770E-01	6.44E-08	2.391E-04	2.5369E-02	4.918E-04	3.562E-14	0.	0.	4.200E+04
1.9008E-03	6.990E-01	3.64E-08	2.474E-04	2.8384E-02	5.181E-04	2.442E-14	0.	0.	4.300E+04
2.0236E-03	7.214E-01	2.14E-08	2.558E-04	3.1649E-02	5.451E-04	1.622E-14	0.	0.	4.400E+04
2.1510E-03	7.442E-01	1.14E-08	2.643E-04	3.5164E-02	5.727E-04	9.142E-15	0.	0.	4.500E+04
2.2830E-03	7.674E-01	6							

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.500E-01	4.563E-18	3.970E-13	3.710E-07	2.587E-19	8.891E-02	3.039E-07	4.374E-05	3.220E-01
3.400E+04	4.572E-01	1.959E-18	2.085E-13	2.457E-07	1.059E-19	8.029E-02	2.034E-07	3.609E-05	3.747E-01
3.300E+04	4.631E-01	6.602E-19	1.110E-13	1.634E-07	4.421E-20	7.242E-02	1.384E-07	2.980E-05	3.294E-01
3.200E+04	4.684E-01	3.854E-19	5.990E-14	1.094E-07	1.875E-20	6.432E-02	9.520E-08	2.484E-05	3.322E-01
3.100E+04	4.740E-01	1.763E-19	3.275E-14	7.379E-08	6.059E-21	6.063E-02	6.624E-08	2.073E-05	3.339E-01
3.000E+04	4.792E-01	8.199E-20	1.811E-14	4.988E-08	3.502E-21	5.562E-02	4.667E-08	1.738E-05	3.350E-01
2.900E+04	4.843E-01	3.874E-20	1.011E-14	3.381E-08	1.534E-21	5.120E-02	3.324E-08	1.443E-05	3.354E-01
2.800E+04	4.893E-01	1.858E-20	5.493E-15	2.294E-08	6.768E-22	4.727E-02	2.394E-08	1.237E-05	3.357E-01
2.700E+04	4.943E-01	9.324E-21	3.231E-15	1.562E-08	3.000E-22	4.377E-02	1.742E-08	1.050E-05	3.359E-01
2.600E+04	4.991E-01	4.437E-21	1.846E-15	1.043E-08	1.335E-22	4.064E-02	1.280E-08	8.957E-06	3.350E-01
2.500E+04	5.037E-01	2.207E-21	1.062E-15	7.241E-09	5.941E-23	3.782E-02	9.498E-09	7.666E-06	3.344E-01
2.400E+04	5.082E-01	1.110E-21	6.144E-16	4.936E-09	2.671E-23	3.528E-02	7.112E-09	6.592E-06	3.334E-01
2.300E+04	5.124E-01	5.445E-22	3.579E-16	3.364E-09	1.202E-23	3.299E-02	5.372E-09	5.493E-06	3.327E-01
2.200E+04	5.164E-01	2.901E-22	2.098E-16	2.301E-09	5.431E-24	3.099E-02	4.492E-09	4.937E-06	3.318E-01
2.100E+04	5.201E-01	1.507E-22	1.238E-16	1.575E-09	2.467E-24	2.900E-02	3.142E-09	4.299E-06	3.309E-01
2.000E+04	5.236E-01	7.918E-23	7.355E-17	1.061E-09	1.128E-24	2.727E-02	2.432E-09	3.758E-06	3.300E-01

P/PD = 2.40E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	8.168E-01	1.230E-20	2.961E-35	2.239E-28	1.678E-22	1.374E-01	1.539E-18	7.462E-22
4.000E+02	0.	5.670E-01	3.390E-17	3.900E-29	5.245E-24	1.710E-18	3.248E-01	1.321E-18	2.255E-21
3.000E+02	0.	3.090E-01	7.599E-15	7.909E-25	4.990E-21	1.180E-15	5.183E-01	1.095E-18	5.014E-21
2.000E+02	0.	1.445E-01	3.527E-13	1.171E-21	6.392E-19	1.502E-13	6.417E-01	9.479E-19	9.819E-21
1.000E+02	0.	6.701E-02	6.128E-12	3.161E-19	2.359E-17	6.324E-12	4.997E-01	8.712E-19	1.782E-20
1.000E+03	0.	3.352E-02	5.678E-11	2.691E-17	3.966E-16	1.249E-10	7.249E-01	8.275E-19	2.978E-20
1.100E+03	0.	1.842E-02	3.425E-10	1.007E-15	3.805E-15	1.433E-09	7.362E-01	7.963E-19	4.588E-20
1.200E+03	0.	1.104E-02	1.915E-09	2.050E-14	2.554E-14	1.097E-08	7.417E-01	7.675E-19	6.578E-20
1.300E+03	0.	7.122E-03	5.304E-09	2.619E-13	1.263E-13	6.160E-08	7.447E-01	7.398E-19	8.893E-20
1.400E+03	0.	4.842E-03	1.548E-08	2.322E-12	4.974E-13	2.711E-07	7.463E-01	7.113E-19	1.142E-19
1.500E+03	0.	3.519E-03	3.913E-08	1.538E-11	1.635E-12	9.415E-07	7.474E-01	6.824E-19	1.410E-19
1.600E+03	0.	2.645E-03	8.799E-08	8.044E-11	4.644E-12	3.032E-06	7.480E-01	6.537E-19	1.685E-19
1.700E+03	0.	2.058E-03	1.798E-07	3.462E-10	1.169E-11	8.219E-06	7.484E-01	6.255E-19	1.960E-19
1.800E+03	0.	1.500E-03	3.393E-07	1.267E-09	2.664E-11	1.997E-05	7.487E-01	5.982E-19	2.230E-19
1.900E+03	0.	1.054E-03	5.948E-07	4.046E-09	5.577E-11	4.427E-05	7.489E-01	5.721E-19	2.491E-19
2.000E+03	0.	7.582E-04	9.983E-07	1.150E-08	1.387E-10	9.072E-05	7.491E-01	5.503E-19	2.755E-19
2.100E+03	0.	5.495E-04	1.585E-06	2.961E-08	1.991E-10	1.738E-04	7.491E-01	5.250E-19	4.004E-19
2.200E+03	0.	3.952E-04	2.414E-06	6.993E-08	3.495E-10	3.141E-04	7.491E-01	2.861E-18	1.822E-18
2.300E+03	0.	2.729E-04	3.543E-06	1.533E-07	5.732E-10	5.397E-04	7.490E-01	1.617E-17	1.143E-17
2.400E+03	0.	1.913E-04	5.036E-06	3.144E-07	9.123E-10	8.868E-04	7.487E-01	8.436E-17	6.565E-17
2.500E+03	0.	1.354E-04	6.958E-06	6.101E-07	1.400E-09	1.401E-03	7.483E-01	3.900E-16	3.131E-16
2.600E+03	0.	9.375E-05	1.124E-06	2.002E-09	2.086E-09	2.138E-03	7.477E-01	1.608E-15	1.481E-15
2.700E+03	0.	6.611E-05	1.235E-06	1.978E-06	3.006E-09	3.163E-03	7.469E-01	5.980E-15	5.939E-15
2.800E+03	0.	4.685E-05	1.594E-05	3.343E-06	4.231E-09	4.551E-03	7.457E-01	2.028E-14	2.159E-14
2.900E+03	0.	3.281E-05	2.020E-05	5.446E-06	5.816E-09	6.386E-03	7.441E-01	6.333E-14	7.194E-14
3.000E+03	0.	2.318E-05	2.518E-05	6.589E-06	7.825E-09	8.760E-03	7.420E-01	1.895E-13	2.215E-13
3.100E+03	0.	1.619E-05	3.090E-05	1.314E-05	1.032E-08	1.177E-02	7.394E-01	4.969E-13	6.349E-13
3.200E+03	0.	1.135E-05	3.739E-05	1.957E-05	1.337E-08	1.553E-02	7.361E-01	1.265E-12	1.700E-12
3.300E+03	0.	7.919E-06	4.465E-05	2.862E-05	1.704E-08	2.013E-02	7.321E-01	3.046E-12	4.321E-12
3.400E+03	0.	5.464E-06	5.267E-05	4.035E-05	2.137E-08	2.568E-02	7.273E-01	6.968E-12	1.077E-11
3.500E+03	0.	3.811E-06	6.141E-05	5.638E-05	2.643E-08	3.230E-02	7.215E-01	1.520E-11	2.370E-11
3.600E+03	0.	2.600E-06	7.084E-05	7.644E-05	3.217E-08	4.007E-02	7.147E-01	3.176E-11	5.176E-11
3.700E+03	0.	1.793E-06	8.047E-05	1.023E-04	3.869E-08	4.910E-02	7.067E-01	6.375E-11	1.084E-10
3.800E+03	0.	1.240E-06	9.141E-05	1.347E-04	4.595E-08	5.945E-02	6.977E-01	1.233E-10	2.185E-10
3.900E+03	0.	8.581E-07	1.023E-04	1.745E-04	5.392E-08	7.120E-02	6.874E-01	2.302E-10	4.249E-10
4.000E+03	0.	5.840E-07	1.136E-04	2.228E-04	6.254E-08	8.440E-02	6.758E-01	4.164E-10	7.995E-10
4.100E+03	0.	3.975E-07	1.249E-04	2.805E-04	7.174E-08	9.908E-02	6.629E-01	7.108E-10	1.489E-09
4.200E+03	0.	2.649E-07	1.362E-04	3.485E-04	8.141E-08	1.152E-01	6.487E-01	1.247E-09	2.586E-09
4.300E+03	0.	1.769E-07	1.473E-04	4.278E-04	9.194E-08	1.329E-01	6.332E-01	2.071E-09	4.462E-09
4.400E+03	0.	1.151E-07	1.580E-04	5.190E-04	1.017E-07	1.520E-01	6.165E-01	3.354E-09	7.511E-09
4.500E+03	0.	7.566E-08	1.682E-04	6.226E-04	1.119E-07	1.724E-01	5.985E-01	4.307E-09	1.235E-08
4.600E+03	0.	5.042E-08	1.777E-04	7.392E-04	1.221E-07	1.942E-01	5.794E-01	5.212E-09	1.985E-08
4.700E+03	0.	3.356E-08	1.863E-04	8.688E-04	1.319E-07	2.171E-01	5.592E-01	1.244E-08	3.127E-08
4.800E+03	0.	2.204E-08	1.939E-04	1.012E-03	1.413E-07	2.411E-01	5.381E-01	1.847E-08	4.820E-08
4.900E+03	0.	1.406E-08	2.004E-04	1.167E-03	1.501E-07	2.660E-01	5.161E-01	2.691E-08	7.323E-08
5.000E+03	0.	9.143E-09	2.057E-04	1.335E-03	1.600E-07	2.917E-01	4.935E-01	3.850E-08	1.091E-07
5.100E+03	0.	5.958E-09	2.125E-04	1.505E-03	1.711E-07	3.184E-01	4.700E-01	5.491E-08	2.307E-07
5.200E+03	0.	3.984E-09	2.141E-04	1.683E-03	1.798E-07	3.478E-01	4.480E-01	7.695E-08	4.998E-07
5.300E+03	0.	2.625E-09	2.108E-04	1.868E-03	1.895E-07	3.788E-01	4.270E-01	1.069E-07	1.105E-06
5.400E+03	0.	1.744E-09	2.033E-04	2.066E-03	1.995E-07	4.103E-01	4.066E-01	1.469E-07	2.499E-06
5.500E+03	0.	1.140E-09	1.925E-04	2.278E-03	2.100E-07	4.424E-01	3.861E-01	1.969E-07	5.699E-06
5.600E+03	0.	7.599E-10	1.823E-04	2.503E-03	2.210E-07	4.748E-01	3.666E-01	2.609E-07	1.305E-05
5.700E+03	0.	5.040E-10	1.733E-04	2.746E-03	2.320E-07	5.076E-01	3.480E-01	3.412E-07	3.014E-05
5.800E+03	0.	3.321E-10	1.647E-04	3.000E-03	2.430E-07	5.410E-01	3.300E-01	4.444E-07	3.915E-05
5.900E+03	0.	2.200E-10	1.567E-04	3.270E-03	2.540E-07	5.740E-01	3.130E-01	5.740E-07	5.014E-05
6.000E+03	0.	1.460E-10	1.492E-04	3.550E-03	2.650E-07	6.070E-01	2.970E-01	7.540E-07	6.414E-05
6.100E+03	0.	9.600E-11	1.421E-04	3.840E-03	2.760E-07	6.410E-01	2.820E-01	9.940E-07	8.214E-05
6.200E+03	0.	6.300E-11	1.354E-04	4.140E-03	2.870E-07	6.760E-01	2.670E-01	1.300E-06	1.050E-04
6.300E+03	0.	4.200E-11	1.290E-04	4.450E-03	2.980E-07	7.120E-01	2.530E-01	1.700E-06	1.370E-04
6.400E+03	0.	2.800E-11	1.228E-04	4.770E-03	3.090E-07	7.490E-01	2.400E-01	2.200E-06	1.790E-04
6.500E+03	0.	1.800E-11	1.168E-04	5.100E-03	3.200E-07	7.870E-01	2.280E-01	2.800E-06	2.330E-04
6.600E+03	0.	1.200E-11	1.110E-04	5.440E-03	3.310E-07	8.260E-01	2.170E-01	3.500E-06	3.000E-04
6.700E+03	0.	8.000E-12	1.054E-04	5.790E-03	3.420E-07	8.660E-01	2.070E-01	4.400E-06	3.800E-04
6.800E+03	0.	5.300E-12	1.000E-04	6.150E-03	3.530E-07	9.070E-01	1.970E-01	5.600E-06	4.800E-04
6.900E+03	0.	3.500E-12	9.480E-05	6.520E-03	3.640E-07	9.490E-01	1.880E-01	7.100E-06	6.000E-04
7.000E+03	0.	2.300E-12	8.990E-05	6.900E-03	3.750E-07	9.920E-01	1.800E-01	8.800E-06	7.400E-04
7.100E+03	0.	1.500E-12	8.520E-05	7.290E-03	3.860E-07	1.0360E-01	1.720E-01	1.080E-05	8.900E-04
7.200E+03	0.	1.000E-12	8.070E-05	7.690E-03	3.970E-07	1.0810E-01	1.640E-01	1.400E-05	1.050E-03
7.300E+03	0.	6.700E-13	7.640E-05	8.100E-03	4.080E-07	1.1270E-01	1.560E-01	1.760E-05	1.230E-03
7.400E+03	0.	4.500E-13	7.230E-05	8.520E-03	4.190E-07	1.1740E-01	1.490E-01	2.200E-05	1.430E-03
7.500E+03	0.	3.000E-13	6.840E-05	8.950E-03	4.300E-07	1.2220E-01	1.420E-01	2.700E-05	

TABLE II. - Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.081E-05	1.460E-02	6.994E-09	1.524E-07	1.173E-01	7.991E-06	5.370E-03	2.610E-07	0.	3.500E+04
1.739E-05	1.237E-02	6.231E-09	1.104E-07	1.150E-01	6.346E-06	7.355E-03	5.954E-07	1.894E-14	3.600E+04
1.470E-05	1.082E-02	5.599E-09	7.987E-08	1.136E-01	5.050E-06	9.855E-03	1.294E-06	8.385E-14	3.700E+04
1.258E-05	9.308E-03	1.595E-09	5.762E-08	1.106E-01	4.024E-06	1.292E-02	2.698E-06	3.423E-13	3.800E+04
1.088E-05	7.900E-03	9.798E-10	4.136E-08	1.069E-01	3.207E-06	1.657E-02	5.377E-06	1.294E-12	3.900E+04
9.519E-06	6.837E-03	6.012E-10	2.949E-08	1.026E-01	2.554E-06	2.081E-02	1.020E-05	4.550E-12	4.000E+04
8.407E-06	5.826E-03	3.678E-10	2.094E-08	9.751E-02	2.030E-06	2.57E-02	1.888E-05	1.493E-11	4.100E+04
7.493E-06	4.961E-03	2.240E-10	1.459E-08	9.190E-02	1.610E-06	3.079E-02	3.378E-05	4.590E-11	4.200E+04
6.732E-06	4.187E-03	1.356E-10	1.011E-08	8.584E-02	1.272E-06	3.835E-02	5.692E-05	1.327E-10	4.300E+04
6.092E-06	3.496E-03	8.162E-11	6.929E-09	7.954E-02	1.002E-06	4.211E-02	9.378E-05	3.625E-10	4.400E+04
5.547E-06	2.916E-03	4.881E-11	4.702E-09	7.308E-02	7.864E-07	4.792E-02	1.497E-04	9.382E-10	4.500E+04
5.076E-06	2.420E-03	2.902E-11	3.140E-09	6.665E-02	6.148E-07	5.364E-02	2.319E-04	2.311E-09	4.600E+04
4.670E-06	1.999E-03	1.717E-11	2.106E-09	6.039E-02	4.791E-07	5.915E-02	3.495E-04	5.434E-09	4.700E+04
4.313E-06	1.645E-03	1.011E-11	1.394E-09	5.440E-02	3.723E-07	6.434E-02	5.135E-04	1.224E-08	4.800E+04
3.957E-06	1.348E-03	5.941E-12	9.172E-10	4.876E-02	2.888E-07	6.913E-02	7.373E-04	2.451E-08	4.900E+04
3.716E-06	1.102E-03	3.444E-12	6.008E-10	4.352E-02	2.234E-07	7.345E-02	1.036E-03	5.535E-08	5.000E+04

P/P0 = 2.40E+02

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	4.581E-02	7.343E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.083E-01	1.134E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.726E-01	1.432E-20	0.	0.	0.	0.	0.	7.000E+02
0.	5.413E-30	2.139E-01	1.689E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.598E-26	2.332E-01	1.966E-20	0.	0.	0.	0.	0.	9.000E+02
0.	9.438E-24	2.616E-01	2.250E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.744E-21	2.854E-01	2.510E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.352E-19	2.472E-01	2.729E-20	0.	0.	0.	0.	0.	1.200E+03
0.	5.377E-18	2.482E-01	2.903E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.266E-16	2.488E-01	3.030E-20	1.003E-31	0.	0.	0.	0.	1.400E+03
0.	1.959E-15	2.491E-01	3.115E-20	8.897E-31	0.	0.	0.	0.	1.500E+03
4.776E-34	2.156E-14	2.493E-01	3.164E-20	5.963E-30	0.	0.	0.	0.	1.600E+03
7.233E-31	1.792E-13	2.495E-01	3.183E-20	3.174E-29	0.	0.	0.	0.	1.700E+03
4.897E-28	1.179E-12	2.496E-01	3.179E-20	1.395E-28	0.	0.	0.	0.	1.800E+03
1.682E-25	6.364E-12	2.497E-01	3.158E-20	5.223E-28	0.	0.	0.	0.	1.900E+03
3.226E-23	2.906E-11	2.497E-01	3.137E-20	1.713E-27	0.	0.	0.	0.	2.000E+03
2.831E-21	1.149E-10	2.497E-01	4.137E-20	6.661E-27	5.600E-29	0.	0.	0.	2.100E+03
5.119E-20	4.011E-10	2.497E-01	1.722E-19	7.413E-24	2.498E-27	0.	0.	0.	2.200E+03
4.580E-19	1.257E-09	2.497E-01	9.984E-19	1.052E-24	4.974E-26	0.	0.	0.	2.300E+03
3.236E-18	3.584E-09	2.497E-01	5.309E-18	1.277E-23	7.290E-25	0.	0.	0.	2.400E+03
1.901E-17	9.399E-09	2.497E-01	2.501E-17	1.283E-22	8.506E-24	0.	0.	0.	2.500E+03
9.807E-17	2.290E-08	2.496E-01	1.050E-16	1.083E-21	8.236E-23	0.	0.	0.	2.600E+03
4.474E-16	5.224E-08	2.495E-01	3.988E-16	7.818E-21	6.732E-22	0.	0.	0.	2.700E+03
1.829E-15	1.124E-07	2.493E-01	1.367E-15	4.910E-20	4.731E-21	0.	0.	0.	2.800E+03
6.776E-15	2.292E-07	2.491E-01	4.332E-15	2.721E-19	2.903E-20	0.	0.	0.	2.900E+03
2.297E-14	4.467E-07	2.488E-01	1.273E-14	1.348E-18	1.576E-19	0.	0.	0.	3.000E+03
7.187E-14	6.332E-07	2.484E-01	3.496E-14	6.028E-18	7.666E-19	0.	0.	0.	3.100E+03
2.090E-13	1.495E-06	2.480E-01	9.028E-14	2.495E-17	3.371E-18	0.	0.	0.	3.200E+03
5.888E-13	2.586E-06	2.474E-01	2.204E-13	2.236E-17	1.354E-17	0.	0.	0.	3.300E+03
1.487E-12	4.339E-06	2.467E-01	5.114E-13	3.205E-16	5.002E-17	0.	0.	0.	3.400E+03
3.528E-12	7.081E-06	2.458E-01	1.132E-12	1.039E-15	1.713E-16	0.	0.	0.	3.500E+03
8.158E-12	1.118E-05	2.446E-01	2.446E-12	3.157E-15	5.467E-16	0.	0.	0.	3.600E+03
1.781E-11	1.727E-05	2.437E-01	4.899E-12	9.045E-15	1.637E-15	0.	0.	0.	3.700E+03
3.740E-11	2.607E-05	2.424E-01	9.624E-12	2.455E-14	4.816E-15	0.	0.	0.	3.800E+03
7.540E-11	3.852E-05	2.409E-01	1.829E-11	6.336E-14	1.233E-14	0.	0.	0.	3.900E+03
1.464E-10	5.578E-05	2.392E-01	3.370E-11	1.582E-13	3.127E-14	0.	0.	0.	4.000E+03
2.744E-10	7.932E-05	2.373E-01	6.031E-11	3.688E-13	7.569E-14	0.	0.	0.	4.100E+03
4.977E-10	1.109E-04	2.353E-01	1.051E-10	8.348E-13	1.733E-13	0.	0.	0.	4.200E+03
8.751E-10	1.525E-04	2.330E-01	1.785E-10	1.824E-12	3.894E-13	0.	0.	0.	4.300E+03
1.495E-09	2.064E-04	2.305E-01	2.962E-10	3.863E-12	8.335E-13	0.	0.	0.	4.400E+03
2.485E-09	2.760E-04	2.279E-01	4.808E-10	7.899E-12	1.720E-12	0.	0.	0.	4.500E+03
4.027E-09	3.640E-04	2.250E-01	7.667E-10	1.567E-11	3.433E-12	0.	0.	0.	4.600E+03
6.370E-09	4.797E-04	2.220E-01	1.193E-09	3.023E-11	6.639E-12	0.	0.	0.	4.700E+03
9.848E-09	6.111E-04	2.189E-01	1.828E-09	5.679E-11	1.244E-11	0.	0.	0.	4.800E+03
1.490E-08	7.776E-04	2.156E-01	2.755E-09	1.041E-10	2.276E-11	0.	0.	0.	4.900E+03
2.208E-08	9.808E-04	2.122E-01	4.086E-09	1.664E-10	4.048E-11	0.	0.	0.	5.000E+03
4.588E-08	1.314E-03	2.050E-01	6.602E-09	3.604E-10	1.191E-10	0.	0.	0.	5.200E+03
6.868E-08	1.726E-03	1.977E-01	1.171E-08	1.580E-09	3.205E-10	0.	0.	0.	5.400E+03
1.617E-07	2.284E-03	1.903E-01	3.275E-08	4.051E-09	7.994E-10	0.	0.	0.	5.600E+03
2.722E-07	3.040E-03	1.829E-01	5.991E-08	9.892E-09	1.897E-09	0.	0.	0.	5.800E+03
4.516E-07	3.998E-03	1.758E-01	1.056E-07	2.285E-08	4.052E-09	0.	0.	0.	6.000E+03
1.047E-07	5.236E-03	1.689E-01	1.800E-07	5.022E-08	8.338E-09	4.834E-26	0.	0.	6.200E+03
1.056E-06	1.144E-02	1.622E-01	2.975E-07	1.054E-07	1.639E-08	3.888E-29	0.	0.	6.400E+03
1.526E-06	1.488E-02	1.558E-01	4.780E-07	2.122E-07	3.071E-08	2.775E-24	0.	0.	6.600E+03
2.137E-06	1.903E-02	1.496E-01	7.480E-07	4.108E-07	5.521E-08	1.773E-23	0.	0.	6.800E+03
2.910E-06	2.403E-02	1.434E-01	1.141E-06	7.671E-07	9.598E-08	1.024E-22	0.	0.	7.000E+03
3.867E-06	2.988E-02	1.373E-01	1.698E-06	1.384E-06	1.599E-07	5.377E-22	0.	0.	7.200E+03
5.028E-06	3.663E-02	1.310E-01	2.448E-06	2.419E-06	2.588E-07	2.588E-21	0.	0.	7.400E+03
6.413E-06	4.439E-02	1.246E-01	3.503E-06	4.101E-06	4.069E-07	1.145E-20	0.	0.	7.600E+03
8.042E-06	5.309E-02	1.180E-01	4.858E-06	6.752E-06	6.222E-07	4.695E-20	0.	0.	7.800E+03
9.933E-06	6.267E-02	1.112E-01	6.585E-06	1.081E-05	9.249E-07	1.791E-19	0.	0.	8.000E+03
1.210E-05	7.314E-02	1.041E-01	8.725E-06	1.687E-05	1.347E-06	6.380E-19	0.	0.	8.200E+03
1.471E-05	8.435E-02	9.672E-02	1.130E-05	2.566E-05	1.913E-06	2.132E-18	0.	0.	8.400E+03
1.714E-05	9.616E-02	8.920E-02	1.432E-05	3.809E-05	2.635E-06	6.709E-18	0.	0.	8.600E+03
2.044E-05	1.084E-01	8.158E-02	1.776E-05	5.525E-05	3.609E-06	1.994E-17	0.	0.	8.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	4.962E-04	3.709E-07	3.087E-05	6.921E-03	3.220E-08	7.744E-01	2.279E-02	2.152E-05	4.034E-04
9.200E+03	6.217E-04	2.815E-07	2.653E-05	6.797E-03	2.694E-08	7.725E-01	1.973E-02	2.445E-05	4.967E-04
9.400E+03	7.718E-04	2.142E-07	2.275E-05	6.633E-03	2.236E-08	7.700E-01	1.716E-02	2.760E-05	6.080E-04
9.600E+03	9.501E-04	1.635E-07	1.948E-05	6.434E-03	1.844E-08	7.673E-01	1.500E-02	3.098E-05	7.334E-04
9.800E+03	1.160E-03	1.252E-07	1.666E-05	6.208E-03	1.510E-08	7.644E-01	1.316E-02	3.462E-05	8.810E-04
1.000E+04	1.404E-03	9.618E-08	1.423E-05	5.960E-03	1.230E-08	7.616E-01	1.161E-02	3.852E-05	1.051E-03
1.100E+04	3.315E-03	2.740E-08	6.478E-06	4.604E-03	4.184E-09	7.491E-01	6.616E-03	6.258E-05	2.333E-03
1.200E+04	6.796E-03	6.797E-09	3.060E-06	3.415E-03	1.618E-09	7.399E-01	4.133E-03	9.533E-05	4.614E-03
1.300E+04	1.250E-02	3.173E-09	1.529E-06	2.532E-03	5.109E-10	7.305E-01	2.750E-03	1.370E-04	8.309E-03
1.400E+04	2.108E-02	1.256E-09	8.053E-07	1.896E-03	1.976E-10	7.183E-01	1.907E-03	1.865E-04	1.384E-02
1.500E+04	3.314E-02	5.340E-10	4.406E-07	1.435E-03	8.095E-11	7.016E-01	1.356E-03	2.413E-04	2.160E-02
1.600E+04	4.909E-02	2.366E-10	2.466E-07	1.086E-03	3.442E-11	6.795E-01	9.766E-04	2.978E-04	3.188E-02
1.700E+04	6.910E-02	1.071E-10	1.392E-07	8.174E-04	1.489E-11	6.517E-01	7.059E-04	3.514E-04	4.484E-02
1.800E+04	9.300E-02	4.865E-11	7.825E-08	6.074E-04	6.444E-12	6.182E-01	5.078E-04	3.970E-04	6.047E-02
1.900E+04	1.203E-01	2.184E-11	4.340E-08	4.433E-04	2.749E-12	5.798E-01	3.614E-04	4.300E-04	7.954E-02
2.000E+04	1.502E-01	9.588E-12	2.357E-08	3.166E-04	1.145E-12	5.374E-01	2.532E-04	4.474E-04	9.863E-02
2.100E+04	1.817E-01	4.088E-12	1.248E-08	2.207E-04	4.621E-13	4.924E-01	1.742E-04	4.477E-04	1.202E-01
2.200E+04	2.137E-01	1.688E-12	6.430E-09	1.502E-04	1.804E-13	4.463E-01	1.176E-04	4.319E-04	1.424E-01
2.300E+04	2.450E-01	6.748E-13	3.227E-09	9.991E-05	6.820E-14	4.007E-01	7.784E-05	4.029E-04	1.647E-01
2.400E+04	2.747E-01	2.623E-13	1.583E-09	6.514E-05	2.507E-14	3.568E-01	5.065E-05	3.648E-04	1.863E-01
2.500E+04	3.022E-01	9.968E-14	7.673E-10	4.180E-05	9.022E-15	3.159E-01	3.250E-05	3.218E-04	2.088E-01
2.600E+04	3.271E-01	3.732E-14	3.627E-10	2.851E-05	3.203E-15	2.789E-01	2.064E-05	2.777E-04	2.256E-01
2.700E+04	3.491E-01	1.347E-14	1.715E-10	1.889E-05	1.132E-15	2.451E-01	1.302E-05	2.356E-04	2.427E-01
2.800E+04	3.683E-01	5.159E-15	8.107E-11	1.049E-05	4.009E-16	2.153E-01	8.193E-06	1.973E-04	2.578E-01
2.900E+04	3.850E-01	1.933E-15	3.852E-11	6.594E-06	1.434E-16	1.898E-01	5.162E-06	1.634E-04	2.711E-01
3.000E+04	3.994E-01	7.337E-16	1.848E-11	4.164E-06	5.206E-17	1.678E-01	3.267E-06	1.349E-04	2.827E-01
3.100E+04	4.117E-01	2.834E-16	8.980E-12	2.647E-06	1.927E-17	1.484E-01	2.382E-06	1.088E-04	2.926E-01
3.200E+04	4.224E-01	1.117E-16	4.229E-12	1.696E-06	7.284E-18	1.319E-01	1.339E-06	9.091E-05	3.011E-01
3.300E+04	4.316E-01	4.507E-17	2.221E-12	1.096E-06	2.817E-18	1.178E-01	8.695E-07	7.462E-05	3.083E-01
3.400E+04	4.397E-01	1.861E-17	1.132E-12	7.147E-07	1.115E-18	1.056E-01	5.712E-07	6.135E-05	3.144E-01
3.500E+04	4.470E-01	7.866E-18	5.873E-13	4.703E-07	4.511E-19	9.516E-02	3.798E-07	5.057E-05	3.195E-01
3.600E+04	4.535E-01	3.402E-18	3.096E-13	3.120E-07	1.883E-19	8.408E-02	2.556E-07	4.182E-05	3.237E-01
3.700E+04	4.596E-01	1.504E-18	1.657E-13	2.086E-07	7.841E-20	7.818E-02	1.741E-07	3.471E-05	3.271E-01
3.800E+04	4.653E-01	6.791E-19	8.994E-14	1.403E-07	3.353E-20	7.129E-02	1.200E-07	2.891E-05	3.297E-01
3.900E+04	4.707E-01	3.125E-19	4.944E-14	9.488E-08	1.454E-21	6.525E-02	8.374E-08	2.418E-05	3.317E-01
4.000E+04	4.763E-01	1.463E-19	2.749E-14	6.443E-08	6.375E-02	5.993E-02	5.910E-08	2.031E-05	3.330E-01
4.100E+04	4.812E-01	6.960E-20	1.544E-14	4.348E-08	2.820E-21	5.521E-02	4.218E-08	1.713E-05	3.339E-01
4.200E+04	4.863E-01	3.359E-20	8.744E-15	2.995E-08	1.256E-21	5.102E-02	3.042E-08	1.450E-05	3.342E-01
4.300E+04	4.913E-01	1.643E-20	4.991E-15	2.048E-08	5.629E-22	4.728E-02	2.217E-08	1.233E-05	3.342E-01
4.400E+04	4.962E-01	8.132E-21	2.869E-15	1.401E-08	2.529E-22	4.393E-02	1.632E-08	1.052E-05	3.339E-01
4.500E+04	5.019E-01	4.072E-21	1.660E-15	9.593E-09	1.141E-22	4.091E-02	1.212E-08	9.020E-06	3.334E-01
4.600E+04	5.054E-01	2.061E-21	9.684E-16	6.574E-09	5.169E-23	3.819E-02	9.088E-09	7.763E-06	3.327E-01
4.700E+04	5.098E-01	1.054E-21	5.660E-16	4.509E-09	2.350E-23	3.572E-02	6.872E-09	6.710E-06	3.319E-01
4.800E+04	5.139E-01	5.452E-22	3.336E-16	3.096E-09	1.072E-23	3.347E-02	5.239E-09	5.823E-06	3.311E-01
4.900E+04	5.177E-01	2.849E-22	1.979E-16	2.130E-09	4.919E-24	3.143E-02	4.027E-09	5.073E-06	3.303E-01
5.000E+04	5.213E-01	1.504E-22	1.181E-16	1.468E-09	2.269E-24	2.957E-02	3.118E-09	4.438E-06	3.295E-01

P/P0 = 2.60E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	8.233E-01	1.213E-20	2.856E-35	2.257E-28	1.983E-22	1.326E-01	1.945E-18	7.326E-22
6.000E+02	0.	5.794E-01	3.378E-17	3.788E-29	5.360E-24	1.619E-18	3.155E-01	1.331E-18	2.216E-21
7.000E+02	0.	3.221E-01	7.685E-15	7.759E-25	5.202E-21	1.122E-15	5.084E-01	1.070E-18	4.913E-21
8.000E+02	0.	1.533E-01	3.614E-13	1.759E-21	6.782E-19	1.436E-13	6.350E-01	9.554E-19	9.599E-21
9.000E+02	0.	7.185E-02	6.329E-12	3.145E-19	2.529E-17	6.060E-12	6.941E-01	8.758E-19	1.725E-20
1.000E+03	0.	3.612E-02	5.886E-11	2.686E-17	4.252E-16	1.198E-10	7.251E-01	7.991E-19	4.427E-20
1.100E+03	0.	1.990E-02	2.357E-10	1.006E-15	4.158E-15	1.373E-09	7.559E-01	6.310E-19	2.876E-20
1.200E+03	0.	1.144E-02	1.375E-09	2.048E-14	2.762E-14	1.056E-08	7.110E-01	4.706E-19	6.348E-20
1.300E+03	0.	7.706E-03	5.916E-09	2.617E-13	1.367E-13	9.917E-08	7.442E-01	7.432E-19	8.577E-20
1.400E+03	0.	5.285E-03	1.611E-08	2.321E-12	5.389E-13	2.806E-07	7.466E-01	7.153E-19	1.104E-19
1.500E+03	1.662E-34	3.810E-03	4.07E-08	1.538E-11	1.771E-12	9.429E-07	7.471E-01	6.871E-19	1.364E-19
1.600E+03	3.601E-31	2.864E-03	9.155E-08	8.042E-11	5.029E-12	2.913E-06	7.478E-01	6.509E-19	1.632E-19
1.700E+03	3.216E-28	2.228E-03	1.871E-07	3.482E-10	1.267E-11	7.896E-06	7.483E-01	6.313E-19	1.901E-19
1.800E+03	1.370E-25	1.745E-03	3.530E-07	1.267E-09	2.885E-11	1.919E-05	7.486E-01	6.045E-19	2.165E-19
1.900E+03	3.128E-23	1.486E-03	6.231E-07	4.045E-09	6.041E-11	1.253E-05	7.489E-01	5.788E-19	2.421E-19
2.000E+03	4.177E-21	1.230E-03	1.039E-06	1.150E-08	1.177E-10	8.716E-05	7.490E-01	5.571E-19	2.690E-19
2.100E+03	2.704E-19	1.050E-03	1.650E-06	2.960E-08	2.154E-10	1.670E-04	7.491E-01	7.015E-19	3.829E-19
2.200E+03	3.753E-18	9.130E-04	2.512E-06	6.993E-08	3.745E-10	3.018E-04	7.491E-01	2.782E-18	1.783E-18
2.300E+03	2.599E-17	8.006E-04	3.488E-06	1.533E-07	6.209E-10	5.185E-04	7.489E-01	1.568E-17	1.065E-17
2.400E+03	1.440E-16	7.119E-04	4.848E-06	3.478E-07	9.882E-10	8.520E-04	7.487E-01	8.178E-17	6.114E-17
2.500E+03	6.915E-16	6.394E-04	6.242E-06	1.011E-07	1.517E-09	1.346E-03	7.483E-01	3.782E-16	3.087E-16
2.600E+03	2.445E-15	5.793E-04	7.242E-06	1.124E-06	2.255E-09	2.054E-03	7.478E-01	1.560E-15	1.381E-15
2.700E+03	1.249E-14	5.289E-04	9.758E-06	1.978E-06	3.257E-09	3.739E-03	7.469E-01	5.805E-15	5.539E-15
2.800E+03	3.937E-14	4.880E-04	1.459E-05	3.344E-06	4.584E-09	4.773E-03	7.458E-01	1.970E-14	2.715E-14
2.900E+03	1.262E-13	4.490E-04	2.103E-05	5.449E-06	6.303E-09	6.136E-03	7.443E-01	6.154E-14	6.716E-14
3.000E+03	3.749E-13	4.168E-04	2.622E-05	8.591E-06	8.481E-09	8.117E-03	7.423E-01	1.764E-13	2.068E-13
3.100E+03	1.039E-12	3.884E-04	3.218E-05	1.315E-05	1.119E-08	1.131E-02	7.398E-01	4.833E-13	5.932E-13
3.200E+03	2.707E-12	3.631E-04	3.895E-05	1.958E-05	1.450E-08	1.492E-02	7.366E-01	1.231E-12	1.599E-12
3.300E+03	6.660E-12	3.403E-04	4.652E-05	2.864E-05	1.840E-08	1.935E-02	7.328E-01	2.966E-12	4.041E-12

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.388E-05	1.200E-01	7.396E-02	2.155E-05	7.839E-05	4.805E-06	5.619E-17	0.	0.	9.000E+03
2.766E-05	1.332E-01	6.645E-02	2.561E-05	1.089E-04	6.274E-06	1.505E-16	0.	0.	9.200E+03
3.180E-05	1.454E-01	5.916E-02	2.982E-05	1.483E-04	6.941E-06	3.845E-16	0.	0.	9.400E+03
3.630E-05	1.571E-01	5.221E-02	3.407E-05	1.981E-04	1.012E-05	9.394E-16	0.	0.	9.600E+03
4.117E-05	1.681E-01	4.568E-02	3.821E-05	2.600E-04	1.253E-05	2.201E-15	0.	0.	9.800E+03
4.642E-05	1.783E-01	3.965E-02	4.214E-05	3.356E-04	1.528E-05	4.958E-15	0.	0.	1.000E+04
7.642E-05	2.149E-01	1.794E-02	5.599E-05	9.756E-04	3.366E-05	1.739E-13	0.	0.	1.100E+04
1.196E-04	2.309E-01	7.724E-03	6.002E-05	2.205E-03	5.843E-05	3.174E-12	0.	0.	1.200E+04
1.680E-04	2.352E-01	3.444E-03	5.848E-05	4.248E-03	8.757E-05	3.628E-11	0.	0.	1.300E+04
2.205E-04	2.334E-01	1.633E-03	5.457E-05	7.339E-03	1.188E-04	2.910E-10	1.231E-24	0.	1.400E+04
2.726E-04	2.277E-01	8.218E-04	4.960E-05	1.167E-02	1.495E-04	1.781E-09	7.836E-23	0.	1.500E+04
3.197E-04	2.189E-01	4.335E-04	4.411E-05	1.737E-02	1.764E-04	8.708E-09	3.023E-21	0.	1.600E+04
3.568E-04	2.073E-01	2.365E-04	3.835E-05	2.442E-02	1.968E-04	7.546E-08	7.740E-20	0.	1.700E+04
3.803E-04	1.933E-01	1.318E-04	3.254E-05	3.249E-02	2.084E-04	1.240E-07	1.411E-18	0.	1.800E+04
3.879E-04	1.775E-01	7.429E-05	2.691E-05	4.192E-02	2.103E-04	3.814E-07	1.934E-17	0.	1.900E+04
3.755E-04	1.604E-01	4.199E-05	2.184E-05	5.171E-02	2.028E-04	1.051E-06	2.084E-16	0.	2.000E+04
3.569E-04	1.426E-01	2.366E-05	1.647E-05	6.165E-02	1.876E-04	2.638E-06	1.830E-15	0.	2.100E+04
3.237E-04	1.251E-01	1.325E-05	1.297E-05	7.129E-02	1.671E-04	6.102E-06	1.346E-14	0.	2.200E+04
2.842E-04	1.093E-01	7.375E-06	9.682E-06	8.027E-02	1.440E-04	1.315E-05	8.901E-14	0.	2.300E+04
2.425E-04	9.288E-02	4.081E-06	7.093E-06	8.833E-02	1.208E-04	2.667E-05	4.696E-13	0.	2.400E+04
2.021E-04	7.902E-02	2.251E-06	5.120E-06	9.532E-02	9.877E-05	5.123E-05	2.306E-12	0.	2.500E+04
1.653E-04	6.690E-02	1.242E-06	3.658E-06	1.012E-01	7.946E-05	9.365E-05	1.020E-11	0.	2.600E+04
1.335E-04	5.651E-02	6.879E-07	2.597E-06	1.060E-01	6.313E-05	1.649E-04	4.105E-11	0.	2.700E+04
1.069E-04	4.773E-02	3.837E-07	1.840E-06	1.099E-01	4.976E-05	2.792E-04	1.918E-10	0.	2.800E+04
8.523E-05	4.037E-02	2.161E-07	1.129E-06	1.129E-01	3.905E-05	4.570E-04	5.199E-10	0.	2.900E+04
6.796E-05	3.424E-02	1.232E-07	9.273E-07	1.152E-01	3.360E-05	7.256E-04	1.659E-09	0.	3.000E+04
5.437E-05	2.914E-02	7.111E-08	6.622E-07	1.168E-01	2.401E-05	1.120F-03	4.957E-05	0.	3.100E+04
4.376E-05	2.489E-02	4.159E-08	4.753E-07	1.178E-01	1.888E-05	1.685E-03	1.394E-08	0.	3.200E+04
3.550E-05	2.133E-02	2.464E-08	3.427E-07	1.183E-01	1.489E-05	2.473E-03	3.705E-08	0.	3.300E+04
2.908E-05	1.834E-02	1.477E-08	2.482E-07	1.182E-01	1.178E-05	3.547E-03	9.334E-08	0.	3.400E+04
2.408E-05	1.581E-02	8.948E-09	1.803E-07	1.175E-01	9.359E-06	4.973E-03	2.235E-07	0.	3.500E+04
2.017E-05	1.364E-02	5.466E-09	1.312E-07	1.162E-01	7.455E-06	6.822E-03	5.102E-07	1.500E-14	3.600E+04
1.709E-05	1.178E-02	3.360E-09	9.536E-08	1.142E-01	5.951E-06	9.153E-03	1.112E-06	6.444E-14	3.700E+04
1.485E-05	1.016E-02	2.074E-09	6.497E-08	1.115E-01	4.758E-06	1.202E-02	2.318E-06	2.716E-13	3.800E+04
1.249E-05	8.751E-03	1.282E-09	4.996E-08	1.081E-01	3.805E-06	1.546E-02	4.631E-06	1.029E-12	3.900E+04
1.111E-05	7.514E-03	7.923E-10	3.585E-08	1.040E-01	3.042E-06	1.947E-02	6.877E-06	3.425E-12	4.000E+04
9.826E-06	6.427E-03	4.864E-10	2.553E-08	9.925E-02	2.426E-06	2.401E-02	1.836E-05	1.193E-11	4.100E+04
8.748E-06	5.473E-03	2.999E-10	1.602E-08	9.391E-02	1.933E-06	2.902E-02	2.902E-05	3.680E-11	4.200E+04
7.895E-06	4.637E-03	1.832E-10	1.259E-08	8.810E-02	1.535E-06	3.440E-02	4.967E-05	1.068E-10	4.300E+04
7.141E-06	3.907E-03	1.112E-10	8.706E-09	8.196E-02	1.215E-06	4.301E-02	8.216E-05	2.928E-10	4.400E+04
6.508E-06	3.275E-03	6.713E-11	5.981E-09	7.565E-02	9.578E-07	4.573E-02	1.317E-04	7.608E-10	4.500E+04
5.983E-06	2.730E-03	4.029E-11	4.043E-09	6.930E-02	7.325E-07	5.140E-02	2.048E-04	1.881E-09	4.600E+04
5.489E-06	2.266E-03	2.405E-11	2.719E-09	6.306E-02	5.893E-07	5.642E-02	3.098E-04	4.439E-09	4.700E+04
4.972E-06	1.872E-03	1.430E-11	1.615E-09	5.705E-02	4.601E-07	6.214E-02	4.570E-04	1.004E-08	4.800E+04
4.404E-06	1.541E-03	8.472E-12	1.205E-09	5.134E-02	3.583E-07	6.704E-02	6.585E-04	2.181E-08	4.900E+04
4.376E-06	1.263E-03	5.009E-12	7.994E-10	4.601E-02	2.785E-07	7.149E-02	9.286E-04	4.567E-08	5.000E+04

P/PO = 2.60E+02

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	4.416E-02	7.370E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.052E-01	1.143E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.695E-01	1.444E-20	0.	0.	0.	0.	0.	7.000E+02
0.	5.174E-30	2.117E-01	1.702E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.531E-26	2.320E-01	1.977E-20	0.	0.	0.	0.	0.	9.000E+02
0.	9.056E-24	2.410E-01	2.258E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.675E-21	2.450E-01	2.518E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.299E-19	2.470E-01	2.740E-20	0.	0.	0.	0.	0.	1.200E+03
0.	5.165E-18	2.481E-01	2.916E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.216E-16	2.487E-01	3.047E-20	9.696E-32	0.	0.	0.	0.	1.400E+03
0.	1.882E-15	2.490E-01	3.136E-20	8.607E-31	0.	0.	0.	0.	1.500E+03
6.951E-14	2.072E-14	2.493E-01	3.189C-20	5.776E-30	0.	0.	0.	0.	1.600E+03
6.804E-13	1.722E-13	2.494E-01	3.213E-20	3.078E-29	0.	0.	0.	0.	1.700E+03
4.655E-12	1.132E-12	2.496E-01	3.212E-20	1.355E-28	0.	0.	0.	0.	1.800E+03
1.597E-11	6.114E-12	2.496E-01	3.193E-20	5.079E-28	0.	0.	0.	0.	1.900E+03
3.061E-11	2.791E-11	2.497E-01	3.176E-20	1.667E-27	0.	0.	0.	0.	2.000E+03
2.734E-11	1.104E-11	2.497E-01	4.117E-20	6.349E-27	5.406E-29	0.	0.	0.	2.100E+03
5.056E-11	3.854E-11	2.497E-01	1.675E-19	6.927E-26	2.426E-27	0.	0.	0.	2.200E+03
4.539E-11	1.200E-09	2.497E-01	9.659E-19	9.802E-25	4.80E-26	0.	0.	0.	2.300E+03
3.177E-11	3.443E-09	2.497E-01	5.146E-18	1.189E-23	7.185E-25	0.	0.	0.	2.400E+03
1.883E-11	9.030E-09	2.497E-01	2.426E-17	1.195E-22	6.427E-24	0.	0.	0.	2.500E+03
9.711E-11	2.200E-08	2.496E-01	1.018E-16	1.009E-21	6.156E-23	0.	0.	0.	2.600E+03
4.428E-10	5.019E-08	2.495E-01	3.852E-16	7.291E-21	6.464E-22	0.	0.	0.	2.700E+03
1.610E-10	1.380E-07	2.493E-01	1.328E-15	4.581E-20	4.881E-21	0.	0.	0.	2.800E+03
6.702E-10	2.205E-07	2.491E-01	4.209E-15	2.540E-19	2.871E-20	0.	0.	0.	2.900E+03
2.271E-10	4.292E-07	2.488E-01	1.237E-14	1.258E-18	1.558E-19	0.	0.	0.	3.000E+03
7.104E-10	8.006E-07	2.485E-01	3.400E-14	5.631E-18	7.574E-19	0.	0.	0.	3.100E+03
2.066E-10	1.436E-06	2.480E-01	8.783E-14	2.294E-17	3.331E-18	0.	0.	0.	3.200E+03
5.620E-10	2.487E-06	2.475E-01	2.145E-13	8.622E-17	1.337E-17	0.	0.	0.	3.300E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	1.555E-11	3.195E-04	5.489E-05	4.038E-05	2.318E-08	2.469E-02	7.281E-01	6.789E-12	9.704E-12
3.500E+03	3.462E-11	3.004E-04	6.404E-05	5.614E-05	2.866E-08	3.105E-02	7.225E-01	1.482E-11	2.218E-11
3.600E+03	7.377E-11	2.826E-04	7.390E-05	7.654E-05	3.494E-08	3.854E-02	7.160E-01	3.098E-11	4.848E-11
3.700E+03	1.510E-10	2.659E-04	8.440E-05	1.025E-04	4.705E-08	4.722E-02	7.084E-01	4.223E-11	1.016E-10
3.800E+03	2.976E-10	2.501E-04	9.546E-05	1.349E-04	4.997E-08	5.720E-02	6.996E-01	1.204E-10	2.047E-10
3.900E+03	5.668E-10	2.351E-04	1.070E-04	1.749E-04	5.849E-08	6.853E-02	6.897E-01	2.251E-10	3.984E-10
4.000E+03	1.045E-09	2.207E-04	1.188E-04	2.234E-04	6.813E-08	8.126E-02	6.785E-01	4.073E-10	7.498E-10
4.100E+03	1.872E-09	2.068E-04	1.307E-04	2.814E-04	7.824E-08	9.542E-02	6.661E-01	7.154E-10	1.369E-09
4.200E+03	3.259E-09	1.934E-04	1.427E-04	3.499E-04	8.889E-08	1.110E-01	6.524E-01	1.221E-09	2.427E-09
4.300E+03	5.531E-09	1.805E-04	1.545E-04	4.297E-04	9.996E-08	1.281E-01	6.374E-01	2.031E-09	4.191E-09
4.400E+03	9.162E-09	1.680E-04	1.660E-04	5.217E-04	1.113E-07	1.466E-01	6.212E-01	3.293E-09	7.057E-09
4.500E+03	1.484E-08	1.559E-04	1.769E-04	6.264E-04	1.227E-07	1.664E-01	6.038E-01	5.216E-09	1.161E-08
4.600E+03	2.352E-08	1.442E-04	1.871E-04	7.443E-04	1.341E-07	1.875E-01	5.852E-01	8.079E-09	1.867E-08
4.700E+03	3.655E-08	1.329E-04	1.965E-04	8.756E-04	1.452E-07	2.098E-01	5.656E-01	1.225E-08	2.943E-08
4.800E+03	5.574E-08	1.220E-04	2.049E-04	1.020E-03	1.558E-07	2.332E-01	5.450E-01	1.922E-08	4.547E-08
4.900E+03	8.352E-08	1.118E-04	2.121E-04	1.178E-03	1.658E-07	2.575E-01	5.236E-01	2.958E-08	6.898E-08
5.000E+03	1.231E-07	1.017E-04	2.182E-04	1.349E-03	1.749E-07	2.825E-01	5.016E-01	3.808E-08	1.028E-07
5.200E+03	2.552E-07	8.350E-05	2.263E-04	1.727E-03	1.902E-07	3.342E-01	4.560E-01	7.432E-08	2.177E-07
5.400E+03	5.001E-07	6.743E-05	2.290E-04	2.146E-03	2.009E-07	3.888E-01	4.095E-01	1.363E-07	4.345E-07
5.600E+03	9.318E-07	5.361E-05	2.266E-04	2.597E-03	2.065E-07	4.388E-01	3.634E-01	2.362E-07	6.222E-07
5.800E+03	1.659E-06	4.201E-05	2.195E-04	3.068E-03	2.071E-07	4.888E-01	3.189E-01	3.889E-07	1.483E-06
6.000E+03	2.837E-06	3.249E-05	2.088E-04	3.548E-03	2.033E-07	5.357E-01	2.770E-01	6.114E-07	2.561E-06
6.200E+03	4.675E-06	2.485E-05	1.955E-04	4.027E-03	1.958E-07	5.784E-01	2.386E-01	9.217E-07	4.253E-06
6.400E+03	7.454E-06	1.864E-05	1.804E-04	4.495E-03	1.855E-07	6.166E-01	2.040E-01	1.339E-06	6.815E-06
6.600E+03	1.154E-05	1.418E-05	1.646E-04	4.943E-03	1.734E-07	6.499E-01	1.734E-01	1.880E-06	1.058E-05
6.800E+03	1.738E-05	1.063E-05	1.487E-04	5.367E-03	1.631E-07	6.783E-01	1.468E-01	2.563E-06	1.594E-05
7.000E+03	2.556E-05	7.943E-06	1.333E-04	5.760E-03	1.463E-07	7.021E-01	1.240E-01	3.402E-06	2.341E-05
7.200E+03	3.677E-05	5.929E-06	1.187E-04	6.118E-03	1.325E-07	7.216E-01	1.046E-01	4.412E-06	3.355E-05
7.400E+03	5.187E-05	4.427E-06	1.052E-04	6.437E-03	1.191E-07	7.373E-01	8.821E-02	5.607E-06	4.704E-05
7.600E+03	7.186E-05	3.308E-06	9.276E-05	6.714E-03	1.061E-07	7.498E-01	7.449E-02	6.984E-06	6.445E-05
7.800E+03	9.743E-05	2.477E-06	8.149E-05	6.946E-03	9.359E-08	7.589E-01	6.301E-02	8.562E-06	8.725E-05
8.000E+03	1.315E-04	1.858E-06	7.135E-05	7.130E-03	8.256E-08	7.657E-01	5.344E-02	1.034E-05	1.138E-04
8.200E+03	1.741E-04	1.397E-06	6.229E-05	7.264E-03	7.203E-08	7.703E-01	4.545E-02	1.233E-05	1.514E-04
8.400E+03	2.276E-04	1.053E-06	5.421E-05	7.347E-03	6.273E-08	7.731E-01	3.878E-02	1.453E-05	1.951E-04
8.600E+03	2.942E-04	7.956E-07	4.706E-05	7.379E-03	5.361E-08	7.744E-01	3.320E-02	1.649E-05	2.482E-04
8.800E+03	3.760E-04	6.725E-07	4.074E-05	7.359E-03	4.572E-08	7.744E-01	2.854E-02	1.956E-05	3.120E-04
9.000E+03	4.756E-04	4.574E-07	3.518E-05	7.289E-03	3.870E-08	7.735E-01	2.463E-02	2.240E-05	3.881E-04
9.200E+03	5.954E-04	3.482E-07	3.031E-05	7.173E-03	3.251E-08	7.719E-01	2.134E-02	2.547E-05	4.739E-04
9.400E+03	7.400E-04	2.657E-07	2.606E-05	7.015E-03	2.710E-08	7.697E-01	1.858E-02	2.876E-05	5.832E-04
9.600E+03	9.109E-04	2.033E-07	2.236E-05	6.820E-03	2.244E-08	7.672E-01	1.624E-02	3.239E-05	7.060E-04
9.800E+03	1.112E-03	1.561E-07	1.916E-05	6.594E-03	1.845E-08	7.644E-01	1.426E-02	3.610E-05	8.481E-04
1.000E+04	1.348E-03	1.202E-07	1.640E-05	6.343E-03	1.509E-08	7.617E-01	1.258E-02	4.018E-05	1.012E-03
1.000E+04	3.181E-03	3.454E-08	7.536E-06	4.943E-03	5.224E-09	7.493E-01	7.172E-03	6.526E-05	2.245E-03
1.200E+04	6.525E-03	1.115E-08	3.579E-06	3.686E-03	1.790E-09	7.402E-01	4.481E-03	9.937E-05	4.438E-03
1.300E+04	1.201E-02	4.038E-09	1.795E-06	2.742E-03	6.489E-10	7.311E-01	2.984E-03	1.429E-04	7.991E-03
1.400E+04	2.327E-02	1.607E-09	9.484E-07	2.061E-03	2.523E-10	7.193E-01	2.071E-03	1.946E-04	1.311E-02
1.500E+04	3.188E-02	6.853E-10	5.207E-07	1.562E-03	1.039E-10	7.032E-01	1.476E-03	2.521E-04	2.078E-02
1.600E+04	4.725E-02	3.054E-10	2.927E-07	1.186E-03	4.447E-11	6.819E-01	1.066E-03	3.117E-04	3.069E-02
1.700E+04	6.657E-02	1.393E-10	1.662E-07	8.962E-04	1.939E-11	6.551E-01	7.727E-04	3.685E-04	4.319E-02
1.800E+04	8.971E-02	6.383E-11	9.408E-08	6.692E-04	8.474E-12	6.228E-01	5.582E-04	4.178E-04	6.297E-02
1.900E+04	1.162E-01	2.897E-11	5.742E-08	4.913E-04	3.658E-12	5.855E-01	3.992E-04	4.540E-04	7.579E-02
2.000E+04	1.454E-01	1.288E-11	2.866E-08	3.532E-04	1.544E-12	5.443E-01	2.814E-04	4.743E-04	9.550E-02
2.100E+04	1.762E-01	5.571E-12	1.545E-08	2.482E-04	6.329E-13	5.004E-01	1.949E-04	4.769E-04	1.163E-01
2.200E+04	2.075E-01	2.336E-12	8.056E-09	1.703E-04	2.513E-13	4.552E-01	1.255E-04	4.626E-04	1.380E-01
2.300E+04	2.384E-01	9.498E-13	4.095E-09	1.143E-04	9.668E-14	4.103E-01	8.841E-05	4.340E-04	1.599E-01
2.400E+04	2.688E-01	3.756E-13	2.035E-09	7.520E-05	3.619E-14	3.669E-01	5.800E-05	3.953E-04	1.813E-01
2.500E+04	2.954E-01	1.452E-13	9.930E-10	4.868E-05	1.326E-14	3.261E-01	3.752E-05	3.508E-04	2.016E-01
2.600E+04	3.204E-01	5.529E-14	4.785E-10	3.114E-05	4.791E-15	2.887E-01	2.402E-05	3.046E-04	2.204E-01
2.700E+04	3.428E-01	2.088E-14	2.290E-10	1.976E-05	1.720E-15	2.550E-01	1.527E-05	2.600E-04	2.375E-01
2.800E+04	3.622E-01	7.884E-15	1.095E-10	1.252E-05	6.188E-16	2.251E-01	9.683E-06	2.189E-04	2.528E-01
2.900E+04	3.792E-01	2.995E-15	5.258E-11	7.924E-06	2.244E-16	1.989E-01	6.143E-06	1.825E-04	2.663E-01
3.000E+04	3.946E-01	1.151E-15	2.546E-11	5.037E-06	8.252E-17	1.762E-01	3.912E-06	1.511E-04	2.781E-01
3.100E+04	4.067E-01	4.497E-16	1.248E-11	3.219E-06	3.088E-17	1.565E-01	2.507E-06	1.247E-04	2.883E-01
3.200E+04	4.177E-01	1.791E-16	6.201E-12	2.073E-06	1.180E-17	1.395E-01	1.620E-06	1.027E-04	2.971E-01
3.300E+04	4.273E-01	7.291E-17	3.130E-12	1.346E-06	4.605E-18	1.248E-01	7.057E-06	8.459E-05	3.046E-01
3.400E+04	4.357E-01	3.035E-17	1.608E-12	8.818E-07	1.838E-18	1.121E-01	4.973E-06	6.977E-05	3.110E-01
3.500E+04	4.432E-01	1.249E-17	8.379E-13	5.824E-07	7.494E-19	1.012E-01	4.652E-06	5.767E-05	3.163E-01
3.600E+04	4.500E-01	5.631E-18	4.441E-13	3.879E-07	3.120E-19	9.168E-02	3.141E-06	4.781E-05	3.208E-01
3.700E+04	4.562E-01	2.537E-18	2.389E-13	2.603E-07	1.323E-19	8.339E-02	2.145E-06	3.977E-05	3.244E-01
3.800E+04	4.620E-01	1.139E-18	1.334E-13	1.758E-07	5.702E-20	7.613E-02	1.483E-06	3.320E-05	3.273E-01
3.900E+04	4.676E-01	5.272E-19	7.293E-14	1.193E-07	2.492E-20	6.976E-02	1.037E-06	2.783E-05	3.295E-01
4.000E+04	4.730E-01	2.484E-19	4.025E-14	8.138E-08	1.102E-20	6.413E-02	7.334E-07	2.341E-05	3.311E-01
4.100E+04	4.782E-01	1.189E-19	2.272E-14	5.566E-08	4.919E-21	5.914E-02	5.242E-07	1.977E-05	3.321E-01
4.200E+04	4.834E-01	5.773E-20	1.296E-14	3.817E-08	2.209E-21	5.470E-02	3.788E-07	1.676E-05	3.327E-01
4.300E+04	4.884E-01	2.840E-20	7.426E-15	2.621E-08	9.984E-22	5.073E-02	2.764E-07	1.427E-05	3.329E-01
4.400E+04	4.934E-01	1.419E-20	4.292E-15	1.802E-08	4.533E-22	4.718E-02	2.037E-07	1.220E-05	3.328E-01
4.500E+04	4.982E-01	7.126E-21	2.497E-15	1.240E-08	2.085E-22	4.395E-02	1.519E-07	1.046E-05	3.324E-01
4.600E+04	5.028E-01	3.629E-21	1.481E-15	8.534E-09	9.443E-23	4.104E-02	1.157E-07	9.018E-06	3.318E-01
4.700E+04	5.072E-01	1.867E-21	8.603E-16	5.882E-09	4.333E-23	3.841E-02	8.609E-07	7.798E-06	3.312E-01
4.800E+04	5.114E-01	9.767E-22	5.056E-16	4.058E-09	1.998E-23	3.601E-02	6.570E-07	6.772E-06	3.304E-01
4.900E+04	5.153E-01	5.099E-22	3.037E-16	2.804E-09	9.238E-24	3.383E-02	5.054E-07	5.904E-06	3.296E-01
5.000E+04	5.190E-01	2.708E-22	1.822E-16	1.940E-09	4.296E-24	3.183E-02	3.917E-07	5.167E-06	3.289E-01

TABLE II.- Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.439E-12	4.170E-06	2.468E-01	4.976E-13	2.997E-16	4.939E-17	0.	0.	0.	3.400E+03
3.486E-12	6.786E-06	2.460E-01	1.103E-12	9.716E-16	1.691E-16	0.	0.	0.	3.500E+03
8.016E-12	1.075E-05	2.450E-01	2.340E-12	2.954E-15	5.397E-16	0.	0.	0.	3.600E+03
1.759E-11	1.660E-05	2.439E-01	4.772E-12	8.467E-15	1.615E-15	0.	0.	0.	3.700E+03
3.694E-11	2.506E-05	2.427E-01	9.384E-12	2.299E-14	4.556E-15	0.	0.	0.	3.800E+03
7.450E-11	3.703E-05	2.412E-01	1.784E-11	5.936E-14	1.217E-14	0.	0.	0.	3.900E+03
1.447E-10	5.364E-05	2.396E-01	3.288E-11	1.463E-13	3.087E-14	0.	0.	0.	4.000E+03
2.713E-10	7.628E-05	2.378E-01	5.887E-11	3.456E-13	7.471E-14	0.	0.	0.	4.100E+03
4.922E-10	1.066E-04	2.358E-01	1.026E-10	7.841E-13	1.731E-13	0.	0.	0.	4.200E+03
8.659E-10	1.467E-04	2.336E-01	1.743E-10	1.714E-12	3.847E-13	0.	0.	0.	4.300E+03
1.480E-09	1.988E-04	2.312E-01	2.894E-10	3.621E-12	8.232E-13	0.	0.	0.	4.400E+03
2.462E-09	2.656E-04	2.286E-01	4.699E-10	7.405E-12	1.700E-12	0.	0.	0.	4.500E+03
3.993E-09	3.504E-04	2.259E-01	7.476E-10	1.469E-11	3.393E-12	0.	0.	0.	4.600E+03
6.320E-09	4.595E-04	2.229E-01	1.167E-09	2.834E-11	6.563E-12	0.	0.	0.	4.700E+03
9.780E-09	5.880E-04	2.199E-01	1.788E-09	5.325E-11	1.233E-11	0.	0.	0.	4.800E+03
1.481E-08	7.492E-04	2.167E-01	2.695E-09	9.759E-11	2.252E-11	0.	0.	0.	4.900E+03
2.198E-08	9.449E-04	2.132E-01	3.998E-09	1.747E-10	4.007E-11	0.	0.	0.	5.000E+03
4.572E-08	1.241E-03	2.063E-01	6.419E-09	5.253E-10	1.180E-10	0.	0.	0.	5.200E+03
8.472E-08	2.185E-03	1.991E-01	1.682E-08	1.461E-09	3.183E-10	0.	0.	0.	5.400E+03
1.617E-07	3.169E-03	1.918E-01	3.206E-08	3.794E-09	7.939E-10	0.	0.	0.	5.600E+03
2.786E-07	4.477E-03	1.845E-01	5.861E-08	9.259E-09	1.846E-09	0.	0.	0.	5.800E+03
4.562E-07	6.174E-03	1.773E-01	1.032E-07	2.138E-08	4.033E-09	0.	0.	0.	6.000E+03
7.139E-07	8.335E-03	1.704E-01	1.759E-07	4.694E-08	8.328E-09	4.376E-26	0.	0.	6.200E+03
1.073E-06	1.104E-02	1.637E-01	2.905E-07	9.846E-08	1.635E-08	3.514E-25	0.	0.	6.400E+03
1.595E-06	1.436E-02	1.572E-01	4.665E-07	1.980E-07	3.066E-08	2.504E-24	0.	0.	6.600E+03
2.184E-06	1.839E-02	1.510E-01	7.295E-07	3.832E-07	5.166E-08	1.598E-23	0.	0.	6.800E+03
2.961E-06	2.320E-02	1.448E-01	1.112E-06	7.150E-07	9.556E-08	9.215E-23	0.	0.	7.000E+03
3.970E-06	2.885E-02	1.386E-01	1.655E-06	1.290E-06	1.599E-07	4.835E-22	0.	0.	7.200E+03
5.171E-06	3.540E-02	1.324E-01	2.406E-06	2.254E-06	2.592E-07	2.323E-21	0.	0.	7.400E+03
6.607E-06	4.288E-02	1.261E-01	3.416E-06	3.820E-06	4.078E-07	1.029E-20	0.	0.	7.600E+03
8.247E-06	5.130E-02	1.195E-01	4.742E-06	6.292E-06	6.241E-07	4.217E-20	0.	0.	7.800E+03
1.026E-05	6.064E-02	1.127E-01	6.455E-06	1.038E-05	9.306E-07	1.609E-19	0.	0.	8.000E+03
1.252E-05	7.082E-02	1.057E-01	8.539E-06	1.574E-05	1.354E-06	5.735E-19	0.	0.	8.200E+03
1.506E-05	8.176E-02	9.849E-02	1.108E-05	2.396E-05	1.925E-06	1.918E-18	0.	0.	8.400E+03
1.797E-05	9.333E-02	9.102E-02	1.408E-05	3.561E-05	2.676E-06	6.041E-18	0.	0.	8.600E+03
2.119E-05	1.053E-01	8.348E-02	1.750E-05	5.172E-05	3.641E-06	1.798E-17	0.	0.	8.800E+03
2.477E-05	1.176E-01	7.591E-02	2.130E-05	7.348E-05	4.857E-06	5.072E-17	0.	0.	9.000E+03
2.870E-05	1.299E-01	6.843E-02	2.539E-05	1.022E-04	6.353E-06	1.361E-16	0.	0.	9.200E+03
3.301E-05	1.420E-01	6.114E-02	2.968E-05	1.394E-04	8.157E-06	3.482E-16	0.	0.	9.400E+03
3.769E-05	1.537E-01	5.416E-02	3.402E-05	1.866E-04	1.029E-05	8.521E-16	0.	0.	9.600E+03
4.277E-05	1.648E-01	4.756E-02	3.831E-05	2.454E-04	1.276E-05	2.000E-15	0.	0.	9.800E+03
4.823E-05	1.751E-01	4.145E-02	4.240E-05	3.173E-04	1.599E-05	4.513E-15	0.	0.	1.000E+04
5.415E-05	2.129E-01	1.907E-02	5.726E-05	9.297E-04	3.446E-05	1.564E-13	0.	0.	1.100E+04
1.244E-04	2.299E-01	8.298E-03	6.159E-05	2.111E-03	6.052E-05	2.922E-12	0.	0.	1.200E+04
1.750E-04	2.349E-01	3.722E-03	6.073E-05	4.077E-03	9.103E-05	3.346E-11	0.	0.	1.300E+04
2.299E-04	2.336E-01	1.732E-03	5.685E-05	7.054E-03	1.258E-04	2.693E-10	0.	0.	1.400E+04
2.897E-04	2.282E-01	6.447E-04	5.183E-05	1.123E-02	1.561E-04	1.884E-09	1.092E-24	0.	1.500E+04
3.345E-04	2.198E-01	4.738E-04	4.623E-05	1.673E-02	1.848E-04	8.044E-09	6.944E-23	0.	1.600E+04
3.744E-04	2.087E-01	2.597E-04	4.035E-05	2.355E-02	2.068E-04	3.277E-08	2.478E-21	0.	1.700E+04
4.004E-04	1.952E-01	1.456E-04	3.439E-05	3.154E-02	2.199E-04	1.147E-07	1.268E-18	0.	1.800E+04
4.160E-04	1.794E-01	8.240E-05	2.859E-05	4.058E-02	2.229E-04	3.528E-07	1.710E-17	0.	1.900E+04
4.029E-04	1.631E-01	4.704E-05	2.315E-05	5.017E-02	2.162E-04	9.731E-07	1.861E-16	0.	2.000E+04
3.409E-04	1.457E-01	2.674E-05	1.826E-05	5.996E-02	2.012E-04	2.443E-06	1.614E-15	0.	2.100E+04
3.474E-04	1.284E-01	1.512E-05	1.406E-05	6.953E-02	1.805E-04	5.655E-06	1.186E-14	0.	2.200E+04
3.088E-04	1.117E-01	8.497E-06	1.058E-05	7.851E-02	1.566E-04	1.270E-05	7.478E-14	0.	2.300E+04
2.634E-04	9.626E-02	4.748E-06	7.811E-06	8.463E-02	1.321E-04	2.475E-05	4.125E-13	0.	2.400E+04
2.739E-04	8.229E-02	2.655E-06	5.681E-06	9.374E-02	1.089E-04	4.757E-05	2.022E-12	0.	2.500E+04
1.429E-04	7.000E-02	1.473E-06	4.087E-06	9.978E-02	8.822E-05	8.720E-05	8.927E-12	0.	2.600E+04
1.477E-04	5.938E-02	8.226E-07	2.921E-06	1.044E-01	7.054E-05	1.533E-04	3.580E-11	0.	2.700E+04
1.189E-04	5.035E-02	4.626E-07	2.042E-06	1.088E-01	5.592E-05	2.595E-04	1.325E-10	0.	2.800E+04
9.532E-04	4.273E-02	2.624E-07	1.484E-06	1.120E-01	4.411E-05	4.249E-04	4.530E-10	0.	2.900E+04
7.636E-04	3.636E-02	1.505E-07	1.040E-06	1.145E-01	3.473E-05	6.747E-04	1.443E-09	0.	3.000E+04
6.134E-04	3.133E-02	8.737E-08	7.604E-07	1.163E-01	2.736E-05	1.042E-03	4.308E-09	0.	3.100E+04
4.955E-04	2.657E-02	5.137E-08	5.479E-07	1.174E-01	2.159E-05	1.568E-03	1.210E-08	0.	3.200E+04
4.033E-04	2.283E-02	3.058E-08	3.966E-07	1.181E-01	1.709E-05	2.302E-03	3.215E-08	0.	3.300E+04
3.314E-04	1.947E-02	1.861E-08	2.883E-07	1.181E-01	1.357E-05	3.302E-03	8.094E-08	0.	3.400E+04
2.715E-04	1.699E-02	1.120E-08	2.102E-07	1.176E-01	1.011E-05	4.633E-03	1.934E-07	0.	3.500E+04
2.309E-04	1.470E-02	6.879E-09	1.535E-07	1.165E-01	8.634E-06	4.361E-03	4.428E-07	1.211E-14	3.600E+04
1.980E-04	1.272E-02	4.247E-09	1.121E-07	1.147E-01	6.913E-06	4.549E-03	9.658E-07	5.367E-14	3.700E+04
1.683E-04	1.100E-02	2.635E-09	8.164E-08	1.122E-01	5.343E-06	1.125E-02	2.016E-06	2.194E-13	3.800E+04
1.460E-04	9.504E-03	1.638E-09	5.931E-08	1.091E-01	4.448E-06	1.450E-02	4.035E-06	6.330E-13	3.900E+04
1.280E-04	8.186E-03	1.019E-09	4.282E-08	1.053E-01	3.567E-06	1.830E-02	7.753E-06	2.941E-12	4.000E+04
1.133E-04	7.026E-03	6.322E-10	3.049E-08	1.008E-01	2.857E-06	2.264E-02	1.432E-05	9.754E-12	4.100E+04
1.012E-04	6.034E-03	3.910E-10	2.181E-08	9.567E-02	2.284E-06	2.746E-02	2.549E-05	3.002E-11	4.200E+04
9.111E-04	5.107E-03	2.467E-10	1.536E-08	9.009E-02	1.821E-06	3.266E-02	4.378E-05	4.378E-11	4.300E+04
8.259E-04	4.321E-03	1.474E-10	1.071E-08	8.414E-02	1.447E-06	3.813E-02	7.268E-05	2.404E-10	4.400E+04
7.533E-04	3.636E-03	4.969E-11	7.391E-09	7.794E-02	1.146E-06	4.374E-02	1.169E-04	6.249E-10	4.500E+04
6.907E-04	3.065E-03	5.428E-11	5.055E-09	7.171E-02	9.046E-07	4.976E-02	1.825E-04	1.555E-09	4.600E+04
6.362E-04	2.537E-03	3.288E-11	3.428E-09	6.552E-02	7.113E-07	5.486E-02	2.770E-04	3.687E-09	4.700E+04
5.884E-04	2.105E-03	1.959E-11	2.307E-09	5.950E-02	5.578E-07	6.013E-02	4.101E-04	8.353E-09	4.800E+04
5.460E-04	1.740E-03	1.170E-11	1.543E-09	5.375E-02	4.364E-07	6.508E-02	5.428E-04	1.820E-08	4.900E+04
5.082E-04	1.434E-03	6.971E-12	1.026E-09	4.834E-02	3.405E-07	6.963E-02	6.365E-04	3.823E-08	5.000E+04

TABLE II. - Continued

P/PO = 2.80E+02

T	E-	NM3	NM2	NM1	N2M2	M	M2	M2*	M*
5.000E+02	0.	8.291E-01	1.197E-20	2.762E-35	2.273E-28	1.501E-22	1.282E-01	1.550E-18	7.202E-22
6.000E+02	0.	5.907E-01	3.364E-17	3.686E-29	5.465E-24	1.539E-18	3.064E-01	1.341E-18	2.180E-21
7.000E+02	0.	3.344E-01	7.759E-15	7.618E-25	5.401E-21	1.072E-15	4.992E-01	1.117E-18	4.823E-21
8.000E+02	0.	1.618E-01	3.694E-13	1.148E-21	7.154E-19	1.377E-13	6.287E-01	9.629E-19	9.329E-21
9.000E+02	0.	7.659E-02	6.517E-12	3.129E-19	2.696E-17	5.825E-12	6.924E-01	8.802E-19	1.675E-20
1.000E+03	0.	3.849E-02	6.084E-11	2.677E-17	4.555E-16	1.153E-10	7.210E-01	8.340E-19	2.784E-20
1.100E+03	0.	2.137E-02	3.683E-10	1.004E-15	6.444E-15	1.324E-09	7.340E-01	8.017E-19	4.283E-20
1.200E+03	0.	1.284E-02	1.632E-09	2.047E-14	2.969E-14	1.015E-08	7.404E-01	7.736E-19	6.141E-20
1.300E+03	0.	8.289E-03	5.719E-09	2.616E-13	1.473E-13	5.700E-08	7.438E-01	7.464E-19	8.302E-20
1.400E+03	0.	5.046E-03	1.670E-08	2.320E-12	5.794E-13	2.509E-07	7.457E-01	7.185E-19	1.064E-19
1.500E+03	1.533E-34	4.101E-03	4.223E-08	1.537E-11	1.904E-12	9.084E-07	7.464E-01	6.913E-19	1.323E-19
1.600E+03	3.319E-31	3.083E-03	9.497E-08	8.041E-11	5.414E-12	2.807E-06	7.477E-01	6.637E-19	1.584E-19
1.700E+03	2.961E-28	2.399E-03	1.941E-07	3.461E-10	1.363E-11	7.608E-06	7.482E-01	6.365E-19	1.847E-19
1.800E+03	1.260E-25	1.422E-03	3.663E-07	1.267E-09	3.104E-11	1.849E-05	7.485E-01	6.102E-19	2.104E-19
1.900E+03	2.474E-23	1.579E-03	6.445E-07	4.045E-09	6.504E-11	4.098E-05	7.488E-01	5.849E-19	2.378E-19
2.000E+03	3.836E-21	1.324E-03	1.078E-06	1.193E-08	1.267E-10	8.398E-05	7.489E-01	5.633E-19	2.611E-19
2.100E+03	2.521E-19	1.131E-03	2.460E-06	2.960E-08	2.322E-10	1.609E-04	7.490E-01	5.476E-19	3.675E-19
2.200E+03	3.572E-18	9.807E-04	2.607E-06	6.992E-08	4.033E-10	2.908E-04	7.490E-01	2.712E-18	1.599E-18
2.300E+03	2.484E-17	8.621E-04	3.826E-06	1.533E-07	6.686E-10	4.996E-04	7.489E-01	1.523E-17	9.971E-18
2.400E+03	1.377E-16	7.646E-04	5.439E-06	3.147E-07	1.264E-09	8.210E-04	7.487E-01	7.945E-17	5.724E-17
2.500E+03	6.667E-16	6.886E-04	7.516E-06	6.101E-07	1.634E-09	1.297E-03	7.483E-01	3.475E-16	2.891E-16
2.600E+03	2.812E-15	6.239E-04	1.013E-05	1.124E-06	4.474E-09	1.980E-03	7.478E-01	1.571E-15	1.294E-15
2.700E+03	1.077E-14	5.697E-04	1.334E-05	1.334E-06	3.504E-09	2.929E-03	7.470E-01	5.647E-15	5.192E-15
2.800E+03	3.757E-14	5.235E-04	1.722E-05	3.344E-06	4.934E-09	4.214E-03	7.459E-01	1.917E-14	1.890E-14
2.900E+03	1.420E-13	4.437E-04	2.183E-05	5.449E-06	6.790E-09	5.913E-03	7.444E-01	5.992E-14	6.300E-14
3.000E+03	3.575E-13	4.491E-04	2.722E-05	8.593E-06	9.178E-09	8.113E-03	7.425E-01	1.738E-13	1.941E-13
3.100E+03	9.938E-13	4.166E-04	3.341E-05	1.313E-05	1.206E-08	1.090E-02	7.401E-01	4.710E-13	5.549E-13
3.200E+03	2.583E-12	3.915E-04	4.045E-05	1.959E-05	1.563E-08	1.438E-02	7.371E-01	1.201E-12	1.498E-12
3.300E+03	6.344E-12	3.670E-04	4.832E-05	2.846E-05	1.993E-08	1.865E-02	7.334E-01	2.894E-12	3.797E-12
3.400E+03	1.481E-11	3.447E-04	5.704E-05	4.041E-05	2.500E-08	2.380E-02	7.289E-01	6.676E-12	9.122E-12
3.500E+03	3.247E-11	3.242E-04	6.656E-05	5.619E-05	3.092E-08	2.994E-02	7.235E-01	1.447E-11	2.086E-11
3.600E+03	7.023E-11	3.052E-04	7.884E-05	7.663E-05	3.772E-08	3.716E-02	7.177E-01	1.027E-11	4.559E-11
3.700E+03	1.437E-10	2.874E-04	9.780E-05	1.026E-04	4.542E-08	4.555E-02	7.098E-01	0.837E-11	9.557E-11
3.800E+03	2.832E-10	2.705E-04	9.936E-05	1.352E-04	5.401E-08	5.519E-02	7.014E-01	1.178E-10	1.926E-10
3.900E+03	5.393E-10	2.545E-04	1.114E-04	1.753E-04	6.347E-08	6.613E-02	6.918E-01	2.203E-10	5.752E-10
4.000E+03	9.946E-10	2.391E-04	1.238E-04	2.240E-04	7.375E-08	7.844E-02	6.810E-01	3.998E-10	7.065E-10
4.100E+03	1.781E-09	2.244E-04	1.364E-04	2.823E-04	8.616E-08	9.215E-02	6.689E-01	7.012E-10	1.990E-09
4.200E+03	3.101E-09	2.101E-04	1.490E-04	3.511E-04	9.640E-08	1.073E-01	6.557E-01	1.198E-09	2.288E-09
4.300E+03	5.262E-09	1.963E-04	1.615E-04	4.319E-04	1.085E-07	1.235E-01	6.412E-01	1.994E-09	3.933E-09
4.400E+03	8.716E-09	1.830E-04	1.734E-04	5.242E-04	1.210E-07	1.417E-01	6.254E-01	3.234E-09	6.660E-09
4.500E+03	1.411E-08	1.701E-04	1.853E-04	6.298E-04	1.336E-07	1.610E-01	6.085E-01	5.130E-09	1.094E-08
4.600E+03	2.234E-08	1.574E-04	1.963E-04	7.488E-04	1.462E-07	1.815E-01	5.904E-01	7.955E-09	1.764E-08
4.700E+03	3.478E-08	1.456E-04	2.064E-04	8.816E-04	1.585E-07	2.032E-01	5.713E-01	1.208E-08	2.781E-08
4.800E+03	5.305E-08	1.340E-04	2.155E-04	1.028E-03	1.734E-07	2.260E-01	5.513E-01	1.798E-08	4.299E-08
4.900E+03	7.950E-08	1.229E-04	2.235E-04	1.189E-03	1.816E-07	2.497E-01	5.304E-01	2.624E-08	6.526E-08
5.000E+03	1.172E-07	1.122E-04	2.302E-04	1.362E-03	1.920E-07	2.742E-01	5.080E-01	3.768E-08	9.734E-08
5.100E+03	2.431E-07	9.260E-05	2.397E-04	1.747E-03	2.097E-07	3.249E-01	4.841E-01	7.373E-08	2.063E-07
5.200E+03	4.767E-07	7.522E-05	2.436E-04	2.176E-03	2.224E-07	3.767E-01	4.618E-01	1.356E-07	4.122E-07
5.300E+03	8.489E-07	6.017E-05	2.420E-04	2.639E-03	2.296E-07	4.282E-01	3.726E-01	2.358E-07	7.810E-07
5.400E+03	1.584E-06	4.745E-05	2.355E-04	3.123E-03	2.314E-07	4.780E-01	3.284E-01	3.895E-07	1.410E-06
5.500E+03	2.710E-06	3.494E-05	2.290E-04	3.623E-03	2.282E-07	5.249E-01	2.863E-01	6.164E-07	2.430E-06
5.600E+03	4.470E-06	2.444E-05	2.115E-04	4.121E-03	2.208E-07	5.680E-01	2.477E-01	9.797E-07	4.053E-06
5.700E+03	7.113E-06	1.689E-05	1.961E-04	4.639E-03	2.101E-07	6.307E-01	2.127E-01	1.354E-06	6.507E-06
5.800E+03	1.105E-05	1.643E-05	1.796E-04	5.280E-03	1.971E-07	6.407E-01	1.815E-01	1.908E-06	1.017E-05
5.900E+03	1.666E-05	1.234E-05	1.629E-04	5.925E-03	1.827E-07	6.700E-01	1.547E-01	2.609E-06	1.524E-05
6.000E+03	2.451E-05	9.300E-06	1.465E-04	6.640E-03	1.674E-07	6.946E-01	1.307E-01	3.473E-06	2.242E-05
6.100E+03	3.523E-05	6.975E-06	1.309E-04	7.320E-03	1.523E-07	7.150E-01	1.136E-01	4.514E-06	3.217E-05
6.200E+03	4.979E-05	5.230E-06	1.163E-04	8.060E-03	1.373E-07	7.316E-01	9.353E-02	5.746E-06	4.513E-05
6.300E+03	6.900E-05	3.924E-06	1.028E-04	8.958E-03	1.228E-07	7.447E-01	7.917E-02	7.177E-06	6.211E-05
6.400E+03	9.437E-05	2.949E-06	9.060E-05	7.210E-03	1.090E-07	7.548E-01	6.712E-02	8.814E-06	8.388E-05
6.500E+03	1.263E-04	2.220E-06	7.452E-05	7.413E-03	9.609E-08	7.622E-01	5.703E-02	1.067E-05	1.114E-04
6.600E+03	1.673E-04	1.675E-06	6.495E-05	7.564E-03	8.410E-08	7.675E-01	4.858E-02	1.274E-05	1.457E-04
6.700E+03	2.184E-04	1.266E-06	6.071E-05	7.663E-03	7.107E-08	7.708E-01	4.151E-02	1.507E-05	1.879E-04
6.800E+03	2.824E-04	9.595E-07	5.282E-05	7.709E-03	6.302E-08	7.726E-01	3.559E-02	1.754E-05	2.382E-04
6.900E+03	3.614E-04	7.288E-07	4.584E-05	7.702E-03	5.594E-08	7.731E-01	3.063E-02	2.027E-05	3.008E-04
7.000E+03	4.573E-04	5.549E-07	3.968E-05	7.643E-03	4.938E-08	7.725E-01	2.644E-02	2.324E-05	3.743E-04
7.100E+03	5.730E-04	4.235E-07	3.426E-05	7.536E-03	4.384E-08	7.712E-01	2.294E-02	2.644E-05	4.611E-04
7.200E+03	7.115E-04	3.240E-07	2.952E-05	7.384E-03	3.734E-08	7.693E-01	1.992E-02	2.988E-05	5.679E-04
7.300E+03	8.760E-04	2.485E-07	2.539E-05	7.193E-03	3.268E-08	7.669E-01	1.748E-02	3.357E-05	6.814E-04
7.400E+03	1.070E-03	1.912E-07	2.181E-05	6.968E-03	2.819E-08	7.644E-01	1.535E-02	3.757E-05	8.188E-04
7.500E+03	1.247E-03	1.476E-07	1.871E-05	6.715E-03	1.622E-08	7.617E-01	1.355E-02	4.177E-05	9.770E-04
7.600E+03	1.604E-03	1.026E-07	1.665E-05	6.409E-03	1.404E-08	7.496E-01	1.220E-02	4.676E-05	1.167E-03
7.700E+03	2.083E-03	7.388E-08	1.436E-05	6.054E-03	1.221E-08	7.404E-01	1.093E-02	5.281E-05	1.478E-03
7.800E+03	2.715E-03	5.046E-08	1.202E-05	5.651E-03	1.042E-08	7.315E-01	9.321E-03	5.955E-05	1.766E-03
7.900E+03	3.507E-03	3.464E-08	1.013E-05	5.223E-03	9.161E-09	7.201E-01	7.230E-03	6.724E-05	2.284E-03
8.000E+03	4.561E-03	2.463E-08	8.377E-06	4.697E-03	7.950E-09	7.054E-01	5.964E-03	7.677E-05	2.705E-03
8.100E+03	5.913E-03	1.866E-08	7.300E-06	4.094E-03	7.032E-09	6.841E-01	4.829E-03	8.290E-05	3.262E-03
8.200E+03	7.564E-03	1.375E-08	6.195E-06	3.454E-03	6.247E-09	6.581E-01	3.990E-03	9.891E-05	4.071E-03
8.300E+03	9.517E-03	8.199E-09	5.115E-06	2.731E-03	5.496E-09	6.286E-01	3.259E-03	1.284E-04	5.074E-03
8.400E+03	1.182E-02	5.757E-09	4.282E-06	2.009E-03	4.758E-09	5.907E-01	2.739E-03	1.632E-04	6.332E-03
8.500E+03	1.469E-02	4.099E-09	3.475E-06	1.406E-03	4.033E-09	5.505E-01	2.130E-03	2.062E-04	7.920E-03

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE II. - Continued

P/PD = 2.80E+02

	N	N2	N2*	N*	N	N**	N***	N****	T
0.	0.	4.273E-02	7.394E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	1.023E-01	1.152E-20	0.	0.	0.	0.	0.	4.000E+02
0.	0.	1.694E-01	1.440E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.960E-30	2.056E-01	1.715E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.472E-26	2.309E-01	1.986E-20	0.	0.	0.	0.	0.	9.000E+02
0.	8.715E-24	2.403E-01	2.246E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.612E-21	2.447E-01	2.526E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.251E-19	2.468E-01	2.750E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.975E-18	2.479E-01	2.928E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.172E-16	2.486E-01	3.063E-20	5.392E-32	0.	0.	0.	0.	1.400E+03
0.	1.613E-15	2.490E-01	3.155E-20	4.344E-31	0.	0.	0.	0.	1.500E+03
4.353E-34	1.996E-14	2.492E-01	3.212E-20	5.606E-30	0.	0.	0.	0.	1.600E+03
6.577E-31	1.659E-13	2.494E-01	3.239E-20	2.941E-29	0.	0.	0.	0.	1.700E+03
4.443E-28	1.091E-12	2.495E-01	3.242E-20	1.318E-28	0.	0.	0.	0.	1.800E+03
1.523E-25	5.891E-12	2.496E-01	3.227E-20	4.942E-28	0.	0.	0.	0.	1.900E+03
2.917E-23	2.690E-11	2.497E-01	3.211E-20	1.424E-27	0.	0.	0.	0.	2.000E+03
2.645E-21	1.063E-10	2.497E-01	4.100E-20	6.113E-27	5.230E-29	0.	0.	0.	2.100E+03
4.999E-20	3.713E-10	2.497E-01	1.633E-19	6.507E-26	2.394E-27	0.	0.	0.	2.200E+03
4.502E-19	1.164E-09	2.497E-01	9.344E-19	9.176E-25	4.890E-26	0.	0.	0.	2.300E+03
3.516E-18	3.314E-09	2.497E-01	4.999E-18	1.113E-23	7.127E-25	0.	0.	0.	2.400E+03
1.861E-17	8.702E-09	2.497E-01	2.357E-17	1.114E-22	8.335E-24	0.	0.	0.	2.500E+03
9.612E-17	2.120E-08	2.496E-01	9.900E-17	9.459E-22	8.084E-23	0.	0.	0.	2.600E+03
4.387E-16	4.837E-08	2.495E-01	3.747E-16	6.834E-21	6.602E-22	0.	0.	0.	2.700E+03
1.792E-15	1.041E-07	2.493E-01	1.292E-15	4.294E-20	4.635E-21	0.	0.	0.	2.800E+03
6.635E-15	2.123E-07	2.491E-01	4.097E-15	2.303E-19	2.842E-20	0.	0.	0.	2.900E+03
2.240E-14	4.134E-07	2.489E-01	1.205E-14	1.181E-18	1.542E-19	0.	0.	0.	3.000E+03
7.029E-14	7.715E-07	2.485E-01	3.313E-14	5.246E-18	7.493E-19	0.	0.	0.	3.100E+03
2.043E-13	1.384E-06	2.481E-01	8.560E-14	2.158E-17	3.294E-18	0.	0.	0.	3.200E+03
5.558E-13	2.397E-06	2.475E-01	2.092E-13	8.100E-17	1.322E-17	0.	0.	0.	3.300E+03
1.423E-12	4.019E-06	2.469E-01	4.656E-13	2.817E-16	4.883E-17	0.	0.	0.	3.400E+03
3.445E-12	6.541E-06	2.461E-01	1.074E-12	9.133E-16	1.671E-16	0.	0.	0.	3.500E+03
7.925E-12	1.036E-05	2.452E-01	2.204E-12	2.778E-15	5.333E-16	0.	0.	0.	3.600E+03
1.739E-11	1.601E-05	2.441E-01	4.659E-12	7.964E-15	1.596E-15	0.	0.	0.	3.700E+03
3.652E-11	2.416E-05	2.429E-01	9.166E-12	2.163E-14	4.502E-15	0.	0.	0.	3.800E+03
7.367E-11	3.571E-05	2.415E-01	1.743E-11	5.589E-14	1.202E-14	0.	0.	0.	3.900E+03
1.431E-10	5.173E-05	2.399E-01	3.214E-11	1.377E-13	3.050E-14	0.	0.	0.	4.000E+03
2.804E-10	7.356E-05	2.382E-01	5.756E-11	3.253E-13	7.382E-14	0.	0.	0.	4.100E+03
4.871E-10	1.028E-04	2.362E-01	1.003E-10	7.383E-13	1.710E-13	0.	0.	0.	4.200E+03
8.573E-10	1.415E-04	2.341E-01	1.705E-10	1.614E-12	3.802E-13	0.	0.	0.	4.300E+03
1.466E-09	1.918E-04	2.318E-01	2.832E-10	3.410E-12	8.138E-13	0.	0.	0.	4.400E+03
2.440E-09	2.563E-04	2.293E-01	4.600E-10	6.975E-12	1.680E-12	0.	0.	0.	4.500E+03
3.960E-09	3.382E-04	2.268E-01	7.320E-10	1.384E-11	3.556E-12	0.	0.	0.	4.600E+03
6.273E-09	4.407E-04	2.238E-01	1.143E-09	2.670E-11	6.493E-12	0.	0.	0.	4.700E+03
9.715E-09	5.678E-04	2.208E-01	1.752E-09	5.017E-11	1.222E-11	0.	0.	0.	4.800E+03
1.473E-08	7.233E-04	2.176E-01	2.641E-09	9.194E-11	2.229E-11	0.	0.	0.	4.900E+03
2.187E-08	9.127E-04	2.144E-01	3.918E-09	1.644E-10	3.969E-11	0.	0.	0.	5.000E+03
4.560E-08	1.162E-03	2.075E-01	8.253E-09	4.944E-10	1.170E-10	0.	0.	0.	5.200E+03
8.871E-08	2.112E-03	2.004E-01	1.649E-08	1.376E-09	3.159E-10	0.	0.	0.	5.400E+03
1.621E-07	3.063E-03	1.931E-01	3.142E-08	3.571E-09	7.888E-10	0.	0.	0.	5.600E+03
2.801E-07	4.330E-03	1.859E-01	5.746E-08	8.711E-09	1.880E-09	0.	0.	0.	5.800E+03
4.600E-07	5.973E-03	1.787E-01	1.011E-07	2.010E-08	4.015E-09	0.	0.	0.	6.000E+03
7.219E-07	8.065E-03	1.718E-01	1.722E-07	4.410E-08	8.299E-09	3.993E-26	0.	0.	6.200E+03
1.388E-06	1.106E-02	1.651E-01	2.843E-07	9.245E-08	1.631E-08	3.202E-25	0.	0.	6.400E+03
1.581E-06	1.390E-02	1.586E-01	4.562E-07	1.858E-07	3.060E-08	2.278E-24	0.	0.	6.600E+03
2.226E-06	1.780E-02	1.523E-01	7.130E-07	3.593E-07	5.510E-08	1.452E-23	0.	0.	6.800E+03
3.046E-06	2.243E-02	1.461E-01	1.087E-06	6.702E-07	9.551E-08	8.367E-23	0.	0.	7.000E+03
4.064E-06	2.793E-02	1.399E-01	1.617E-06	1.209E-06	1.600E-07	4.384E-22	0.	0.	7.200E+03
5.364E-06	3.428E-02	1.337E-01	2.350E-06	2.111E-06	2.593E-07	2.105E-21	0.	0.	7.400E+03
6.988E-06	4.154E-02	1.274E-01	3.336E-06	3.579E-06	4.085E-07	9.317E-21	0.	0.	7.600E+03
8.936E-06	4.972E-02	1.209E-01	4.636E-06	5.895E-06	6.257E-07	3.819E-20	0.	0.	7.800E+03
1.057E-05	5.880E-02	1.142E-01	6.296E-06	9.450E-06	9.338E-07	1.457E-19	0.	0.	8.000E+03
1.291E-05	6.873E-02	1.072E-01	8.349E-06	1.476E-05	1.360E-06	5.196E-19	0.	0.	8.200E+03
1.536E-05	7.942E-02	1.000E-01	1.088E-05	2.246E-05	1.935E-06	1.739E-18	0.	0.	8.400E+03
1.856E-05	9.075E-02	9.269E-02	1.385E-05	3.345E-05	2.693E-06	5.481E-18	0.	0.	8.600E+03
2.190E-05	1.028E-01	8.523E-02	1.724E-05	4.843E-05	3.671E-06	1.432E-17	0.	0.	8.800E+03
2.561E-05	1.147E-01	7.715E-02	2.104E-05	6.919E-05	4.903E-06	4.813E-17	0.	0.	9.000E+03
2.969E-05	1.280E-01	7.026E-02	2.518E-05	9.640E-05	6.423E-06	1.239E-16	0.	0.	9.200E+03
3.416E-05	1.389E-01	6.298E-02	2.952E-05	1.317E-04	8.241E-06	3.175E-16	0.	0.	9.400E+03
3.903E-05	1.506E-01	5.597E-02	3.395E-05	1.765E-04	1.044E-05	7.783E-16	0.	0.	9.600E+03
4.429E-05	1.617E-01	4.933E-02	3.836E-05	2.325E-04	1.297E-05	1.829E-15	0.	0.	9.800E+03
4.997E-05	1.722E-01	4.313E-02	4.280E-05	3.011E-04	1.587E-05	4.134E-15	0.	0.	1.000E+04
8.454E-05	2.109E-01	2.016E-02	5.841E-05	8.888E-04	3.559E-05	1.470E-13	0.	0.	1.100E+04
1.291E-04	2.290E-01	8.462E-03	6.386E-05	2.027E-03	6.256E-05	2.705E-12	0.	0.	1.200E+04
1.817E-04	2.346E-01	3.947E-03	6.286E-05	3.924E-03	9.431E-05	3.104E-11	0.	0.	1.300E+04
2.389E-04	2.337E-01	1.910E-03	5.903E-05	6.798E-03	1.284E-04	2.501E-10	9.764E-25	0.	1.400E+04
2.943E-04	2.287E-01	9.475E-04	5.396E-05	1.084E-02	1.625E-04	1.528E-09	6.212E-23	0.	1.500E+04
3.488E-04	2.207E-01	5.142E-04	4.827E-05	1.616E-02	1.920E-04	7.475E-09	2.375E-21	0.	1.600E+04
3.913E-04	2.099E-01	2.838E-04	4.227E-05	2.278E-02	2.164E-04	3.847E-08	4.124E-20	0.	1.700E+04
4.197E-04	1.969E-01	1.595E-04	3.616E-05	3.059E-02	2.309E-04	1.964E-07	1.155E-18	0.	1.800E+04
4.312E-04	1.819E-01	9.102E-05	3.021E-05	3.936E-02	2.351E-04	3.283E-07	1.525E-17	0.	1.900E+04
4.255E-04	1.659E-01	5.220E-05	2.446E-05	4.877E-02	2.272E-04	9.058E-07	1.641E-16	0.	2.000E+04

TABLE II. - Continued

T	E-	NM3	NM2	NM1	N2M2	M	M2	M2+	M+
2.100E+04	1.711E-01	7.402E-12	1.879E-08	2.763E-04	8.447E-13	5.076E-01	2.160E-04	5.053E-04	1.120E-01
2.200E+04	2.019E-01	3.144E-12	9.904E-09	1.910E-04	3.404E-13	4.633E-01	1.470E-04	4.424E-04	1.341E-01
2.300E+04	2.323E-01	1.299E-12	5.093E-09	1.292E-04	1.331E-13	4.190E-01	9.932E-05	4.444E-04	1.556E-01
2.400E+04	2.618E-01	5.218E-13	2.561E-09	8.572E-05	5.044E-14	3.761E-01	6.564E-05	4.253E-04	1.767E-01
2.500E+04	2.891E-01	2.249E-13	1.263E-09	5.595E-05	1.886E-14	3.356E-01	4.279E-05	3.795E-04	1.960E-01
2.600E+04	3.142E-01	7.924E-14	6.165E-10	3.606E-05	6.924E-15	2.982E-01	2.759E-05	3.314E-04	2.192E-01
2.700E+04	3.364E-01	3.037E-14	2.984E-10	2.309E-05	2.525E-15	2.643E-01	1.767E-05	2.843E-04	2.427E-01
2.800E+04	3.564E-01	1.163E-14	1.442E-10	1.472E-05	9.210E-16	2.341E-01	1.120E-05	2.406E-04	2.681E-01
2.900E+04	3.738E-01	4.473E-15	6.989E-11	9.379E-06	3.384E-16	2.076E-01	7.201E-06	2.015E-04	2.948E-01
3.000E+04	3.888E-01	1.740E-15	3.414E-11	5.995E-06	1.259E-16	1.843E-01	4.612E-06	1.676E-04	3.230E-01
3.100E+04	4.019E-01	6.848E-16	1.684E-11	3.852E-06	4.761E-17	1.641E-01	2.971E-06	1.389E-04	3.526E-01
3.200E+04	4.132E-01	2.762E-16	8.442E-12	2.492E-06	1.834E-17	1.467E-01	1.929E-06	1.140E-04	3.822E-01
3.300E+04	4.231E-01	1.134E-16	4.289E-12	1.625E-06	7.250E-18	1.315E-01	1.264E-06	9.487E-05	4.117E-01
3.400E+04	4.318E-01	4.757E-17	2.214E-12	1.069E-06	2.909E-18	1.184E-01	8.371E-07	7.847E-05	4.412E-01
3.500E+04	4.395E-01	2.041E-17	1.161E-12	7.080E-07	1.195E-18	1.070E-01	5.604E-07	6.504E-05	4.707E-01
3.600E+04	4.465E-01	8.948E-18	6.184E-13	4.738E-07	5.012E-19	9.710E-02	3.794E-07	5.405E-05	5.002E-01
3.700E+04	4.529E-01	4.008E-18	3.295E-13	3.190E-07	2.140E-19	8.844E-02	2.599E-07	4.504E-05	5.297E-01
3.800E+04	4.589E-01	1.832E-18	1.834E-13	2.162E-07	9.290E-20	8.085E-02	1.601E-07	3.769E-05	5.592E-01
3.900E+04	4.645E-01	8.308E-19	1.018E-13	1.473E-07	4.090E-20	7.416E-02	1.262E-07	3.165E-05	5.887E-01
4.000E+04	4.711E-01	4.041E-19	5.716E-14	1.008E-07	1.822E-20	6.824E-02	8.941E-08	2.667E-05	6.182E-01
4.100E+04	4.754E-01	1.945E-19	3.242E-14	6.925E-08	8.192E-21	6.299E-02	6.403E-08	2.254E-05	6.477E-01
4.200E+04	4.806E-01	9.500E-20	1.855E-14	4.767E-08	3.712E-21	5.870E-02	4.634E-08	1.915E-05	6.772E-01
4.300E+04	4.857E-01	4.701E-20	1.070E-14	3.288E-08	1.992E-21	5.410E-02	3.307E-08	1.632E-05	7.067E-01
4.400E+04	4.907E-01	2.375E-20	6.215E-15	2.270E-08	7.747E-22	5.077E-02	2.499E-08	1.397E-05	7.362E-01
4.500E+04	4.956E-01	1.143E-20	3.433E-15	1.569E-08	3.561E-22	4.693E-02	1.861E-08	1.270E-05	7.657E-01
4.600E+04	5.003E-01	6.107E-21	1.815E-15	1.049E-08	1.843E-22	4.364E-02	1.399E-08	1.075E-05	7.952E-01
4.700E+04	5.046E-01	3.159E-21	1.204E-15	7.509E-09	7.404E-23	4.106E-02	1.060E-08	8.956E-06	8.247E-01
4.800E+04	5.091E-01	1.651E-21	7.525E-16	5.207E-09	3.533E-23	3.852E-02	8.094E-09	7.787E-06	8.542E-01
4.900E+04	5.131E-01	8.716E-22	4.506E-16	3.639E-09	1.848E-23	3.620E-02	6.231E-09	6.790E-06	8.837E-01
5.000E+04	5.169E-01	4.647E-22	2.714E-16	2.505E-09	7.724E-24	3.408E-02	4.837E-09	5.945E-06	9.132E-01

P/P0 = 3.0CE+02

T	E-	NM3	NM2	NM1	N2M2	M	M2	M2+	M+
5.000E+02	0.	8.344E-01	1.182E-20	2.677E-35	2.287E-28	1.427E-22	1.262E-01	1.554E-18	7.080E-22
6.000E+02	0.	6.012E-01	3.350E-17	3.592E-29	5.562E-24	1.468E-18	2.991E-01	1.350E-18	2.140E-21
7.000E+02	0.	3.440E-01	7.823E-15	7.486E-25	5.580E-21	1.026E-15	4.905E-01	1.127E-18	4.761E-21
8.000E+02	0.	1.700E-01	3.768E-13	1.136E-21	7.320E-19	1.323E-13	6.225E-01	9.890E-18	4.173E-21
9.000E+02	0.	8.123E-02	6.895E-12	3.113E-19	2.860E-17	5.613E-12	6.891E-01	8.845E-18	1.631E-20
1.000E+03	0.	4.244E-02	6.272E-11	2.670E-18	6.954E-16	1.112E-10	7.191E-01	8.369E-18	7.045E-20
1.100E+03	0.	2.282E-02	3.804E-10	1.003E-16	4.769E-15	1.279E-09	7.329E-01	8.042E-18	4.154E-20
1.200E+03	0.	1.373E-02	1.687E-09	2.045E-14	3.175E-14	9.800E-09	7.997E-01	7.762E-18	5.955E-20
1.300E+03	0.	8.871E-03	5.915E-09	2.614E-13	1.573E-13	5.505E-08	7.433E-01	7.492E-18	8.053E-20
1.400E+03	0.	6.088E-03	1.720E-08	2.319E-12	6.203E-13	2.423E-07	7.454E-01	7.272E-18	1.070E-19
1.500E+03	1.423E-34	4.391E-03	4.364E-08	1.537E-11	2.041E-12	8.775E-07	7.467E-01	6.951E-18	1.205E-19
1.600E+03	3.077E-31	3.301E-03	9.827E-08	8.039E-11	5.798E-12	2.711E-06	7.475E-01	6.680E-18	1.541E-19
1.700E+03	2.742E-28	2.370E-03	2.009E-07	3.461E-10	1.468E-11	7.350E-06	7.481E-01	6.413E-18	1.790E-19
1.800E+03	1.166E-25	2.059E-03	3.791E-07	1.247E-09	3.327E-11	1.786E-05	7.484E-01	6.154E-18	2.057E-19
1.900E+03	2.658E-23	1.691E-03	6.691E-07	4.044E-09	4.967E-11	3.959E-05	7.487E-01	5.905E-18	2.300E-19
2.000E+03	3.544E-21	1.418E-03	1.116E-06	1.150E-08	1.358E-10	8.113E-05	7.489E-01	5.690E-18	2.549E-19
2.100E+03	2.361E-19	1.211E-03	1.772E-06	2.960E-08	4.387E-10	1.554E-04	7.490E-01	5.464E-18	2.792E-19
2.200E+03	3.414E-18	1.051E-03	2.498E-06	6.992E-08	6.205E-10	2.809E-04	7.490E-01	5.240E-18	3.039E-19
2.300E+03	2.531E-17	9.236E-04	3.961E-06	1.533E-07	7.163E-10	4.827E-04	7.489E-01	5.027E-18	3.287E-19
2.400E+03	1.320E-16	8.213E-04	5.630E-06	3.147E-07	1.140E-09	7.937E-04	7.487E-01	4.812E-18	3.535E-19
2.500E+03	6.334E-16	7.178E-04	7.794E-06	6.101E-07	1.750E-09	1.253E-03	7.485E-01	4.597E-18	3.784E-19
2.600E+03	2.695E-15	6.685E-04	1.048E-05	1.124E-06	2.682E-09	1.913E-03	7.479E-01	4.377E-18	4.032E-19
2.700E+03	1.032E-14	6.104E-04	1.381E-05	1.978E-06	3.794E-06	2.829E-03	7.471E-01	4.160E-18	4.280E-19
2.800E+03	3.947E-14	5.610E-04	1.783E-05	3.344E-06	5.292E-09	4.071E-03	7.462E-01	3.943E-18	4.528E-19
2.900E+03	1.152E-13	5.149E-04	2.240E-05	5.505E-06	7.276E-09	5.713E-03	7.454E-01	3.726E-18	4.776E-19
3.000E+03	3.420E-13	4.814E-04	2.818E-05	8.399E-06	9.794E-09	7.839E-03	7.445E-01	3.509E-18	5.024E-19
3.100E+03	9.477E-13	4.488E-04	3.460E-05	1.316E-05	1.293E-08	1.054E-02	7.436E-01	3.292E-18	5.272E-19
3.200E+03	2.467E-12	4.198E-04	4.189E-05	1.960E-05	1.764E-08	1.390E-02	7.427E-01	3.075E-18	5.520E-19
3.300E+03	6.063E-12	3.937E-04	5.036E-05	2.847E-05	2.137E-08	1.802E-02	7.417E-01	2.858E-18	5.768E-19
3.400E+03	1.415E-11	3.699E-04	5.911E-05	4.044E-05	2.833E-08	2.301E-02	7.407E-01	2.641E-18	6.016E-19
3.500E+03	3.150E-11	3.481E-04	6.899E-05	5.624E-05	3.319E-08	2.895E-02	7.397E-01	2.424E-18	6.264E-19
3.600E+03	6.708E-11	3.278E-04	7.964E-05	7.671E-05	4.090E-08	3.593E-02	7.387E-01	2.207E-18	6.512E-19
3.700E+03	1.372E-10	3.088E-04	9.180E-05	1.020E-04	4.878E-08	4.405E-02	7.376E-01	1.990E-18	6.760E-19
3.800E+03	2.704E-10	2.909E-04	1.031E-04	1.315E-04	5.805E-08	5.338E-02	7.365E-01	1.773E-18	7.008E-19
3.900E+03	5.149E-10	2.739E-04	1.137E-04	1.754E-04	6.865E-08	6.390E-02	7.354E-01	1.556E-18	7.256E-19
4.000E+03	9.496E-10	2.576E-04	1.246E-04	2.345E-04	7.977E-08	7.590E-02	7.343E-01	1.339E-18	7.504E-19
4.100E+03	1.708E-09	2.420E-04	1.419E-04	3.020E-04	9.130E-08	8.919E-02	7.332E-01	1.122E-18	7.752E-19
4.200E+03	3.280E-09	2.265E-04	1.551E-04	3.522E-04	1.039E-07	1.039E-01	7.321E-01	9.050E-19	8.000E-19
4.300E+03	6.023E-09	2.121E-04	1.682E-04	4.351E-04	1.171E-07	1.199E-01	7.310E-01	7.882E-19	8.248E-19
4.400E+03	1.120E-08	1.981E-04	1.810E-04	5.244E-04	1.307E-07	1.377E-01	7.299E-01	6.715E-19	8.496E-19
4.500E+03	2.147E-08	1.844E-04	1.948E-04	6.328E-04	1.449E-07	1.561E-01	7.288E-01	5.548E-19	8.744E-19
4.600E+03	3.134E-08	1.712E-04	2.091E-04	7.530E-04	1.604E-07	1.745E-01	7.277E-01	4.381E-19	8.992E-19
4.700E+03	5.321E-08	1.584E-04	2.154E-04	8.872E-04	1.770E-07	1.927E-01	7.266E-01	3.214E-19	9.240E-19
4.800E+03	8.068E-08	1.460E-04	2.258E-04	1.036E-03	1.951E-07	2.104E-01	7.255E-01	2.047E-19	9.488E-19

TABLE II. - Continued

M	N	N2	N2*	N	N*	N**	N***	N****	T
4.041E-04	1.483E-01	2.991E-05	1.953E-05	5.942E-02	2.145E-04	2.145E-04	1.437E-15	0.	2.100E+04
3.709E-04	1.314E-01	1.705E-05	1.513E-05	6.790E-02	1.935E-04	1.935E-04	1.055E-14	0.	2.200E+04
3.290E-04	1.146E-01	9.669E-06	1.147E-05	7.687E-02	1.696E-04	1.696E-04	6.642E-14	0.	2.300E+04
2.841E-04	9.939E-02	5.452E-06	6.526E-06	8.503E-02	1.495E-04	1.495E-04	3.659E-13	0.	2.400E+04
2.396E-04	8.536E-02	3.064E-06	4.244E-06	9.224E-02	1.318E-04	1.318E-04	1.791E-12	0.	2.500E+04
1.984E-04	7.201E-02	1.721E-06	4.522E-06	9.842E-02	9.705E-05	9.705E-05	7.896E-12	0.	2.600E+04
1.620E-04	5.916E-02	9.691E-07	1.252E-06	1.036E-01	7.804E-05	7.804E-05	3.169E-11	0.	2.700E+04
1.311E-04	4.749E-02	5.488E-07	2.331E-06	1.076E-01	6.226E-05	6.226E-05	1.109E-10	0.	2.800E+04
1.056E-04	3.724E-02	3.134E-07	1.670E-06	1.112E-01	5.231E-05	5.231E-05	3.990E-10	0.	2.900E+04
8.492E-05	2.825E-02	1.808E-07	1.198E-06	1.138E-01	4.379E-05	4.379E-05	1.269E-09	0.	3.000E+04
6.848E-05	2.098E-02	1.055E-07	6.633E-07	1.157E-01	3.644E-05	3.644E-05	7.785E-09	0.	3.100E+04
5.531E-05	1.621E-02	6.235E-08	4.241E-07	1.170E-01	2.999E-05	2.999E-05	1.043E-08	0.	3.200E+04
4.532E-05	1.242E-02	3.727E-08	4.534E-07	1.176E-01	2.499E-05	2.499E-05	2.820E-08	0.	3.300E+04
3.764E-05	9.061E-03	2.259E-08	1.307E-07	1.140E-01	2.000E-05	2.000E-05	3.091E-07	0.	3.400E+04
3.167E-05	6.816E-03	1.377E-08	2.49E-07	1.176E-01	1.599E-05	1.599E-05	4.339E-07	0.	3.500E+04
2.613E-05	5.174E-03	8.498E-09	1.773E-07	1.167E-01	1.269E-05	1.269E-05	5.963E-07	0.	3.600E+04
2.223E-05	3.863E-03	5.266E-09	1.300E-07	1.151E-01	9.999E-06	9.999E-06	8.024E-07	0.	3.700E+04
1.911E-05	2.894E-03	3.282E-09	8.515E-08	1.129E-01	7.878E-06	7.878E-06	1.058E-06	0.	3.800E+04
1.661E-05	2.125E-03	2.051E-09	5.642E-08	1.099E-01	6.137E-06	6.137E-06	3.551E-06	0.	3.900E+04
1.459E-05	1.592E-03	1.293E-09	3.039E-08	1.063E-01	4.719E-06	4.719E-06	2.637E-06	0.	4.000E+04
1.292E-05	1.162E-03	8.010E-10	1.633E-08	1.021E-01	3.518E-06	3.518E-06	2.143E-06	0.	4.100E+04
1.155E-05	8.534E-04	4.987E-10	2.596E-08	9.723E-02	2.622E-06	2.622E-06	1.240E-06	0.	4.200E+04
1.041E-05	6.377E-04	3.091E-10	1.664E-08	9.196E-02	2.000E-06	2.000E-06	3.109E-06	0.	4.300E+04
9.442E-06	4.734E-04	1.936E-10	1.243E-08	8.616E-02	1.499E-06	1.499E-06	3.642E-06	0.	4.400E+04
8.619E-06	3.501E-04	1.189E-10	8.094E-09	8.007E-02	1.135E-06	1.135E-06	4.193E-06	0.	4.500E+04
7.908E-06	2.563E-04	7.131E-11	5.198E-09	7.342E-02	8.070E-07	8.070E-07	4.748E-06	0.	4.600E+04
7.299E-06	1.913E-04	4.327E-11	3.234E-09	6.776E-02	6.033E-07	6.033E-07	5.294E-06	0.	4.700E+04
6.784E-06	1.403E-04	2.613E-11	2.071E-09	6.178E-02	4.655E-07	4.655E-07	6.025E-06	0.	4.800E+04
6.366E-06	1.064E-04	1.572E-11	1.344E-09	5.603E-02	3.524E-07	3.524E-07	6.325E-06	0.	4.900E+04
5.946E-06	7.87E-05	9.437E-12	1.295E-09	5.054E-02	4.095E-07	4.095E-07	4.788E-07	0.	5.000E+04

P/PD = 3.00E+07

M	N	N2	N2*	N	N*	N**	N***	N****	T
0.	0.	4.141E-02	7.416E-21	0.	0.	0.	0.	0.	5.00E+02
0.	0.	9.971E-02	1.159E-20	0.	0.	0.	0.	0.	6.00E+02
0.	0.	1.635E-01	1.473E-20	0.	0.	0.	0.	0.	7.00E+02
0.	4.769E-30	2.075E-01	1.728E-20	0.	0.	0.	0.	0.	8.00E+02
0.	1.416E-24	2.297E-01	1.995E-20	0.	0.	0.	0.	0.	9.00E+02
0.	6.409E-24	2.397E-01	2.274E-20	0.	0.	0.	0.	0.	1.00E+03
0.	1.557E-21	2.443E-01	2.534E-20	0.	0.	0.	0.	0.	1.10E+03
0.	1.206E-19	2.466E-01	2.759E-20	0.	0.	0.	0.	0.	1.20E+03
0.	4.805E-18	2.478E-01	2.960E-20	0.	0.	0.	0.	0.	1.30E+03
0.	1.132E-16	2.485E-01	3.077E-20	9.118E-32	0.	0.	0.	0.	1.40E+03
0.	1.592E-15	2.489E-01	3.173E-20	8.109E-31	0.	0.	0.	0.	1.50E+03
4.177E-34	1.926E-14	2.492E-01	3.233E-20	6.129E-30	0.	0.	0.	0.	1.60E+03
6.305E-31	1.633E-13	2.496E-01	3.264E-20	2.912E-29	0.	0.	0.	0.	1.70E+03
4.255E-28	1.374E-12	2.498E-01	3.270E-20	1.284E-28	0.	0.	0.	0.	1.80E+03
1.457E-25	5.691E-12	2.498E-01	3.257E-20	4.820E-28	0.	0.	0.	0.	1.90E+03
2.786E-23	2.596E-11	2.498E-01	3.244E-20	1.595E-27	0.	0.	0.	0.	2.00E+03
4.563E-21	1.027E-10	2.497E-01	4.047E-20	5.887E-27	0.	0.	0.	0.	2.10E+03
4.945E-20	3.587E-10	2.497E-01	1.594E-19	6.138E-26	2.372E-27	0.	0.	0.	2.20E+03
4.468E-19	1.124E-09	2.497E-01	9.134E-19	8.299E-25	4.814E-26	0.	0.	0.	2.30E+03
3.128E-18	3.205E-09	2.497E-01	4.845E-18	1.047E-23	7.078E-25	0.	0.	0.	2.40E+03
1.853E-17	8.406E-09	2.497E-01	2.245E-17	1.053E-22	8.292E-24	0.	0.	0.	2.50E+03
9.547E-17	2.046E-08	2.496E-01	4.643E-17	8.897E-22	8.018E-23	0.	0.	0.	2.60E+03
4.390E-16	4.673E-08	2.495E-01	1.651E-16	6.433E-21	4.545E-22	0.	0.	0.	2.70E+03
1.776E-15	1.003E-07	2.493E-01	1.259E-15	4.044E-20	4.594E-21	0.	0.	0.	2.80E+03
6.576E-15	2.353E-07	2.491E-01	3.996E-15	2.245E-19	2.615E-20	0.	0.	0.	2.90E+03
2.223E-14	1.996E-07	2.489E-01	1.176E-14	1.113E-18	1.527E-19	0.	0.	0.	3.00E+03
6.960E-14	7.454E-07	2.486E-01	3.233E-14	4.944E-18	7.414E-19	0.	0.	0.	3.10E+03
2.023E-13	1.377E-06	2.481E-01	8.356E-14	2.035E-17	1.261E-18	0.	0.	0.	3.20E+03
5.501E-13	2.316E-06	2.476E-01	2.043E-13	7.642E-17	1.306E-17	0.	0.	0.	3.30E+03
1.406E-12	3.883E-06	2.470E-01	4.745E-13	2.658E-16	4.831E-17	0.	0.	0.	3.40E+03
3.489E-12	6.321E-06	2.462E-01	1.052E-12	8.621E-16	1.653E-16	0.	0.	0.	3.50E+03
7.642E-12	1.031E-05	2.454E-01	2.233E-12	2.623E-15	5.279E-16	0.	0.	0.	3.60E+03
1.721E-11	1.547E-05	2.443E-01	4.557E-12	7.521E-15	1.579E-15	0.	0.	0.	3.70E+03
3.616E-11	2.336E-05	2.431E-01	8.967E-12	2.043E-14	4.442E-15	0.	0.	0.	3.80E+03
7.291E-11	3.451E-05	2.416E-01	1.706E-11	1.188E-14	1.188E-14	0.	0.	0.	3.90E+03
1.416E-10	5.000E-05	2.403E-01	3.166E-11	1.302E-13	3.016E-14	0.	0.	0.	4.00E+03
2.657E-10	7.112E-05	2.386E-01	5.636E-11	3.075E-13	7.300E-14	0.	0.	0.	4.10E+03
4.624E-10	9.644E-05	2.367E-01	4.627E-11	6.980E-13	1.691E-13	0.	0.	0.	4.20E+03
8.493E-10	1.366E-04	2.346E-01	1.671E-10	1.527E-12	3.761E-13	0.	0.	0.	4.30E+03
1.453E-09	1.855E-04	2.323E-01	2.775E-10	3.225E-12	8.096E-13	0.	0.	0.	4.40E+03
2.420E-09	2.480E-04	2.299E-01	4.509E-10	6.594E-12	1.643E-12	0.	0.	0.	4.50E+03
3.929E-09	3.272E-04	2.273E-01	7.178E-10	1.309E-11	3.321E-12	0.	0.	0.	4.60E+03
6.228E-09	4.265E-04	2.245E-01	1.121E-09	2.526E-11	6.426E-12	0.	0.	0.	4.70E+03
9.659E-09	5.495E-04	2.216E-01	1.714E-09	4.745E-11	1.208E-11	0.	0.	0.	4.80E+03

TABLE II.- Continued

T	E-	MM3	MM2	MM	N2M2	M	M2	M2+	M+
4.900E+03	1.544E-08	1.362E-04	2.345E-04	1.198E-03	1.977E-07	2.426E-C1	5.366E-01	2.596E-08	6.196E-08
5.000E+03	1.119E-07	1.229E-04	2.420E-04	1.374E-03	2.094E-07	2.666E-01	5.155E-01	3.779E-08	9.247E-08
5.200E+03	7.323E-07	1.019E-04	2.527E-04	1.764E-03	2.295E-07	3.164E-01	4.715E-01	7.315E-08	1.962E-07
5.400E+03	4.959E-07	8.318E-05	2.577E-04	2.204E-03	2.443E-07	3.675E-01	4.264E-01	1.349E-07	3.924E-07
5.600E+03	3.504E-07	6.692E-05	2.570E-04	2.678E-03	2.933E-07	4.184E-01	3.812E-01	2.352E-07	7.443E-07
5.800E+03	1.917E-06	5.309E-05	2.512E-04	3.178E-03	2.564E-07	4.688E-01	3.372E-01	9.899E-07	1.346E-06
6.000E+03	2.598E-06	4.157E-05	2.410E-04	3.692E-03	2.939E-07	5.149E-01	2.953E-01	6.166E-07	2.350E-06
6.200E+03	4.287E-06	3.219E-05	2.274E-04	4.208E-03	2.464E-07	5.587E-01	2.563E-01	9.360E-07	3.878E-06
6.400E+03	6.844E-06	2.470E-05	2.116E-04	4.716E-03	2.357E-07	5.974E-01	2.209E-01	1.368E-06	6.270E-06
6.600E+03	1.061E-05	1.881E-05	1.944E-04	5.207E-03	2.220E-07	6.320E-01	1.892E-01	1.933E-06	9.691E-06
6.800E+03	1.601E-05	1.425E-05	1.771E-04	5.674E-03	2.065E-07	6.620E-01	1.613E-01	2.450E-06	1.464E-05
7.000E+03	2.357E-05	1.076E-05	1.548E-04	6.111E-03	1.900E-07	6.874E-01	1.371E-01	3.777E-06	2.194E-05
7.200E+03	3.394E-05	8.103E-06	1.432E-04	6.512E-03	1.732E-07	7.084E-01	1.164E-01	4.609E-06	3.093E-05
7.400E+03	4.792E-05	6.101E-06	1.276E-04	6.873E-03	1.564E-07	7.260E-01	9.668E-02	5.879E-06	3.644E-05
7.600E+03	6.644E-05	4.595E-06	1.131E-04	7.190E-03	1.405E-07	7.398E-01	8.373E-02	7.398E-06	5.981E-05
7.800E+03	9.060E-05	3.465E-06	9.991E-05	7.461E-03	1.251E-07	7.506E-01	7.113E-02	9.054E-06	8.035E-05
8.000E+03	1.217E-04	2.617E-06	8.791E-05	7.682E-03	1.104E-07	7.588E-01	6.059E-02	1.097E-05	1.074E-04
8.200E+03	1.612E-04	1.981E-06	7.710E-05	7.851E-03	9.704E-08	7.646E-01	5.164E-02	1.312E-05	1.466E-04
8.400E+03	2.108E-04	1.502E-06	6.742E-05	7.964E-03	8.41E-08	7.685E-01	4.421E-02	1.550E-05	1.914E-04
8.600E+03	2.723E-04	1.141E-06	5.879E-05	8.027E-03	7.320E-08	7.707E-01	3.795E-02	1.811E-05	2.311E-04
8.800E+03	3.484E-04	8.693E-07	5.112E-05	8.032E-03	6.284E-08	7.716E-01	3.269E-02	2.096E-05	2.908E-04
9.000E+03	4.408E-04	6.636E-07	4.435E-05	7.985E-03	5.358E-08	7.714E-01	2.827E-02	2.466E-05	3.619E-04
9.200E+03	5.524E-04	5.077E-07	3.838E-05	7.884E-03	4.533E-08	7.704E-01	2.453E-02	2.777E-05	4.440E-04
9.400E+03	6.860E-04	3.894E-07	3.314E-05	7.741E-03	3.808E-08	7.687E-01	2.139E-02	3.095E-05	5.445E-04
9.600E+03	8.441E-04	2.994E-07	2.894E-05	7.554E-03	3.174E-08	7.664E-01	1.871E-02	3.474E-05	6.653E-04
9.800E+03	1.032E-03	2.308E-07	2.458E-05	7.331E-03	2.632E-08	7.647E-01	1.644E-02	3.890E-05	7.923E-04
1.000E+04	1.250E-03	1.785E-07	2.112E-05	7.078E-03	2.168E-08	7.617E-01	1.451E-02	4.331E-05	9.484E-04
1.100E+04	2.954E-03	5.218E-08	4.862E-06	5.603E-03	7.765E-09	7.497E-01	8.283E-03	7.734E-05	2.094E-03
1.200E+04	6.066E-03	1.702E-08	4.731E-06	4.220E-03	2.707E-09	7.406E-01	5.177E-03	1.076E-04	4.165E-03
1.300E+04	1.117E-02	6.204E-09	2.388E-06	3.159E-03	9.495E-10	7.319E-01	3.451E-03	1.493E-04	1.242E-02
1.400E+04	1.867E-02	2.488E-09	1.269E-06	2.393E-03	3.899E-10	7.209E-01	2.401E-03	2.094E-04	1.745E-02
1.500E+04	2.972E-02	1.669E-09	7.614E-07	1.814E-03	1.621E-10	7.059E-01	1.716E-03	2.787E-04	1.839E-02
1.600E+04	4.612E-02	4.812E-10	3.974E-07	1.387E-03	7.015E-11	6.860E-01	1.264E-03	3.781E-04	2.865E-02
1.700E+04	6.724E-02	2.222E-10	2.277E-07	1.055E-03	3.102E-11	6.699E-01	9.074E-04	4.011E-04	4.038E-02
1.800E+04	9.407E-02	1.034E-10	1.335E-07	7.945E-04	1.378E-11	6.505E-01	6.642E-04	4.567E-04	5.488E-02
1.900E+04	1.092E-01	4.780E-11	7.601E-08	5.851E-04	6.264E-12	6.393E-01	4.762E-04	4.985E-04	7.109E-02
2.000E+04	1.369E-01	2.172E-11	4.127E-08	4.285E-04	2.821E-12	6.281E-01	3.581E-04	1.254E-04	8.958E-02
2.100E+04	1.665E-01	9.625E-12	2.251E-08	3.050E-04	1.182E-12	6.142E-01	2.739E-04	5.328E-04	1.094E-01
2.200E+04	1.988E-01	4.144E-12	1.194E-08	2.123E-04	4.926E-13	6.078E-01	1.935E-04	1.252E-04	1.305E-01
2.300E+04	2.269E-01	1.734E-12	6.224E-09	1.447E-04	1.787E-13	6.271E-01	1.105E-04	4.962E-04	1.514E-01
2.400E+04	2.504E-01	7.345E-13	3.185E-09	9.684E-05	6.903E-14	6.444E-01	7.355E-05	4.547E-04	1.724E-01
2.500E+04	2.693E-01	2.815E-13	1.580E-09	6.374E-05	2.810E-14	6.643E-01	4.827E-05	4.078E-04	1.924E-01
2.600E+04	3.043E-01	1.104E-13	7.797E-10	4.134E-05	9.722E-15	6.970E-01	3.134E-05	3.579E-04	2.110E-01
2.700E+04	3.334E-01	4.289E-14	3.807E-10	2.861E-05	3.549E-15	7.301E-01	2.020E-05	3.085E-04	2.282E-01
2.800E+04	3.510E-01	1.663E-14	1.857E-10	1.767E-05	1.329E-15	7.644E-01	1.249E-05	2.673E-04	2.437E-01
2.900E+04	3.684E-01	6.474E-15	9.095E-11	1.045E-05	4.949E-16	7.985E-01	8.337E-06	2.207E-04	2.576E-01
3.000E+04	3.858E-01	2.545E-15	4.475E-11	7.037E-06	1.859E-16	8.337E-01	5.364E-06	1.644E-04	2.694E-01
3.100E+04	4.032E-01	1.015E-15	2.227E-11	4.944E-06	7.098E-17	8.684E-01	3.474E-06	1.133E-04	2.803E-01
3.200E+04	4.206E-01	4.118E-16	1.122E-11	2.953E-06	2.762E-17	9.035E-01	2.264E-06	7.722E-04	2.895E-01
3.300E+04	4.380E-01	1.704E-16	5.737E-12	1.936E-06	1.097E-17	9.380E-01	1.491E-06	1.054E-04	2.978E-01
3.400E+04	4.554E-01	7.304E-17	2.978E-12	1.277E-06	4.647E-18	9.724E-01	9.904E-07	6.743E-05	3.044E-01
3.500E+04	4.728E-01	3.111E-17	1.570E-12	8.496E-07	1.640E-18	1.024E-01	6.453E-07	7.245E-05	3.107E-01
3.600E+04	4.902E-01	1.179E-17	8.404E-13	5.698E-07	7.769E-19	1.074E-01	4.318E-07	6.052E-05	3.151E-01
3.700E+04	5.076E-01	6.186E-18	4.945E-13	3.850E-07	3.334E-19	1.124E-01	2.918E-07	5.055E-05	3.192E-01
3.800E+04	5.250E-01	2.843E-18	2.914E-13	2.614E-07	1.459E-19	1.174E-01	1.935E-07	4.237E-05	3.226E-01
3.900E+04	5.424E-01	1.331E-18	1.402E-13	1.790E-07	6.467E-20	1.224E-01	1.313E-07	3.463E-05	3.252E-01
4.000E+04	5.673E-01	6.341E-19	7.405E-14	1.224E-07	2.900E-20	1.274E-01	8.074E-08	3.008E-05	3.272E-01
4.100E+04	5.922E-01	3.069E-19	4.503E-14	8.472E-08	1.314E-20	1.324E-01	5.495E-08	2.546E-05	3.287E-01
4.200E+04	6.170E-01	1.504E-19	2.389E-14	5.655E-08	5.998E-21	1.374E-01	3.694E-08	2.166E-05	3.297E-01
4.300E+04	6.418E-01	7.494E-20	1.298E-14	3.838E-08	2.755E-21	1.424E-01	2.542E-08	1.849E-05	3.302E-01
4.400E+04	6.666E-01	3.773E-20	6.753E-15	2.610E-08	1.272E-21	1.474E-01	1.720E-08	1.564E-05	3.304E-01
4.500E+04	6.914E-01	1.921E-20	3.611E-15	1.754E-08	5.994E-22	1.524E-01	1.175E-08	1.302E-05	3.303E-01
4.600E+04	7.162E-01	9.889E-21	1.938E-15	1.194E-08	2.741E-22	1.574E-01	8.094E-09	1.051E-05	3.298E-01
4.700E+04	7.410E-01	5.142E-21	1.058E-15	8.408E-09	1.279E-22	1.624E-01	5.499E-09	8.212E-06	3.293E-01
4.800E+04	7.658E-01	2.700E-21	5.879E-16	5.644E-09	5.909E-23	1.674E-01	3.854E-09	6.853E-06	3.287E-01
4.900E+04	7.906E-01	1.432E-21	3.264E-16	3.828E-09	2.814E-23	1.724E-01	2.646E-09	5.546E-06	3.282E-01
5.000E+04	8.154E-01	7.669E-22	1.760E-16	2.547E-09	1.370E-23	1.774E-01	1.827E-09	4.271E-06	3.276E-01

P/P0 = 3.23E-07

T	E-	MM3	MM2	MM	N2M2	M	M2	M2+	M+
5.000E+02	3.	8.342E-01	1.164E-20	2.599E-35	2.109E-28	1.7.2E-22	1.204E-01	1.999E-18	6.982E-22
6.000E+02	0.	3.334E-01	3.334E-17	3.504E-29	5.650E-24	1.464E-18	2.019E-01	1.999E-18	2.110E-21
7.000E+02	0.	3.568E-01	7.679E-15	7.361E-25	5.763E-21	9.495E-16	4.024E-01	1.999E-18	4.667E-21
8.000E+02	0.	1.779E-01	3.834E-13	1.126E-21	7.87CE-19	1.275E-13	6.164E-01	9.767E-19	6.938E-21
9.000E+02	0.	8.794E-07	6.867E-12	3.094E-17	3.32E-17	9.671E-12	6.657E-01	6.007E-19	1.999E-20
1.000E+03	0.	4.374E-02	6.452E-11	2.663E-19	5.151E-16	1.076E-17	7.172E-01	8.397E-19	2.392E-20
1.100E+03	0.	2.277E-02	3.970E-10	1.001E-15	5.071E-19	1.237E-09	7.310E-01	9.065E-19	4.034E-20
1.200E+03	0.	1.662E-02	1.760E-09	2.043E-14	3.361E-16	9.484E-09	7.906E-01	7.785E-19	5.784E-20

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.464E-08	7.004E-04	2.185E-01	2.591E-09	8.697E-11	2.209E-11	0.	0.	0.	4.900E+03
2.177E-08	8.838E-04	2.153E-C1	3.845E-09	1.557E-10	3.933E-11	0.	0.	0.	5.000E+03
4.547E-08	1.368E-03	2.086E-01	8.101E-09	4.680E-10	1.16CE-10	0.	0.	0.	5.200E+03
8.866E-08	2.046E-03	2.016E-01	1.618E-08	1.301E-09	3.136E-10	0.	0.	0.	5.400E+03
1.624E-07	2.971E-03	1.944E-01	3.085E-08	3.376E-09	7.838E-10	0.	0.	0.	5.600E+03
2.813E-07	4.198E-03	1.872E-01	5.638E-08	8.231E-09	1.827E-09	0.	0.	0.	5.800E+03
4.632E-07	5.792E-03	1.801E-01	9.924E-08	1.858E-08	3.958E-09	0.	0.	0.	6.000E+03
7.290E-07	7.821E-03	1.731E-01	1.689E-07	4.163E-08	8.270E-09	3.668E-26	0.	0.	6.200E+03
1.102E-06	1.036E-02	1.664E-01	2.786E-C7	8.720E-08	1.626E-08	2.937E-25	0.	0.	6.400E+03
1.605E-06	1.348E-02	1.599E-01	4.469E-07	1.752E-07	3.055E-08	2.087E-24	0.	0.	6.600E+03
2.265E-06	1.727E-02	1.535E-C1	6.981E-07	3.385E-07	5.504E-08	1.328E-23	0.	0.	6.800E+03
3.106E-06	2.178E-02	1.473E-01	1.064E-06	6.311E-07	9.548E-08	7.643E-23	C.	0.	7.000E+03
4.152E-06	2.710E-02	1.412E-C1	1.582E-06	1.138E-06	1.600E-77	4.003E-22	0.	0.	7.200E+03
5.428E-06	3.327E-02	1.350E-01	2.300E-06	1.987E-06	2.597E-07	1.921E-21	0.	0.	7.400E+03
6.957E-06	4.033E-02	1.286E-01	3.267E-06	3.368E-06	4.091E-07	8.499E-21	0.	0.	7.600E+03
8.761E-06	4.829E-02	1.222E-01	4.541E-06	5.548E-06	6.271E-07	3.483E-20	0.	0.	7.800E+03
1.086E-05	5.714E-02	1.155E-01	6.173E-06	8.896E-06	1.132E-07	1.329E-19	0.	0.	8.000E+03
1.327E-05	6.683E-02	1.086E-01	8.213E-06	1.390E-05	1.365E-06	4.741E-19	0.	0.	8.200E+03
1.602E-05	7.729E-02	1.015E-01	1.069E-05	2.119E-05	1.944E-06	1.587E-18	0.	0.	8.400E+03
1.912E-05	8.840E-02	9.424E-02	1.364E-05	3.155E-05	2.709E-06	5.007E-18	0.	0.	8.600E+03
2.254E-05	1.000E-01	8.683E-02	1.702E-05	4.592E-05	3.697E-06	1.493E-17	0.	0.	8.800E+03
2.641E-05	1.115E-01	7.937E-C2	2.082E-05	6.541E-05	4.944E-06	4.222E-17	0.	0.	9.000E+03
3.064E-05	1.240E-01	7.196E-02	2.456E-05	9.125E-05	6.486E-06	1.136E-16	0.	0.	9.200E+03
3.527E-05	1.360E-01	6.469E-02	2.935E-05	1.248E-04	8.355E-06	2.914E-16	0.	0.	9.400E+03
4.030E-05	1.476E-01	5.767E-02	3.386E-05	1.676E-04	1.058E-05	7.151E-16	C.	0.	9.600E+03
4.575E-05	1.588E-01	5.099E-02	3.837E-05	2.210E-04	1.317E-05	1.683E-15	0.	0.	9.800E+03
5.163E-05	1.694E-01	4.473E-02	4.275E-05	2.867E-04	1.614E-05	3.610E-15	0.	0.	1.000E+04
5.742E-05	2.090E-01	3.122E-02	5.947E-05	8.520E-04	3.647E-05	1.362E-13	0.	0.	1.100E+04
6.355E-05	2.280E-01	9.416E-03	6.558E-05	1.951E-03	6.438E-05	2.518E-12	0.	0.	1.200E+04
1.881E-04	2.343E-01	4.270E-03	6.489E-05	3.787E-03	9.745E-05	2.845E-11	0.	0.	1.300E+04
2.476E-04	2.338E-01	2.048E-03	6.113E-05	6.588E-03	1.332E-04	2.334E-10	0.	0.	1.400E+04
3.075E-04	2.291E-01	1.040E-03	5.602E-05	1.048E-02	1.686E-04	1.427E-09	8.801E-25	0.	1.500E+04
3.626E-04	2.214E-01	5.547E-04	5.024E-05	1.584E-02	2.005E-04	6.981E-09	2.154E-21	0.	1.600E+04
4.207E-04	2.111E-01	3.005E-04	4.413E-05	2.207E-02	2.257E-04	2.846E-08	5.519E-20	0.	1.700E+04
4.833E-04	1.984E-01	1.735E-04	3.790E-05	2.968E-02	2.416E-04	9.966E-08	1.003E-18	0.	1.800E+04
4.518E-04	1.838E-01	9.956E-C5	3.179E-05	3.824E-02	2.470E-04	3.069E-C7	1.372E-17	0.	1.900E+04
4.475E-04	1.678E-01	5.746E-C5	2.601E-05	4.749E-02	2.41E-04	8.474E-07	1.475E-16	0.	2.000E+04
4.268E-04	1.510E-01	3.315E-05	2.077E-05	5.700E-02	2.274E-04	2.130E-06	1.290E-15	0.	2.100E+04
3.930E-04	1.341E-01	1.905E-05	1.619E-05	6.640E-02	2.063E-04	4.936E-06	9.459E-15	0.	2.200E+04
3.507E-04	1.177E-01	1.089E-05	1.234E-05	7.534E-02	1.812E-04	1.066E-05	5.950E-14	0.	2.300E+04
3.044E-04	1.023E-01	6.190E-06	9.238E-06	8.354E-02	1.548E-04	2.165E-05	3.274E-13	0.	2.400E+04
2.581E-04	8.823E-02	3.507E-06	6.809E-C6	9.083E-02	1.292E-04	4.166E-05	1.600E-12	0.	2.500E+04
2.148E-04	7.566E-02	1.986E-06	4.962E-06	9.712E-02	1.059E-04	7.643E-05	7.046E-12	0.	2.600E+04
1.763E-04	6.468E-02	1.126E-06	3.589E-06	1.024E-01	8.562E-05	1.344E-04	2.824E-11	0.	2.700E+04
1.433E-04	5.523E-02	6.423E-07	2.586E-06	1.068E-01	6.858E-05	2.277E-04	1.040E-10	0.	2.800E+04
1.159E-04	4.718E-02	3.691E-C7	1.861E-06	1.103E-01	5.461E-05	3.730E-04	3.546E-10	0.	2.900E+04
9.362E-05	4.037E-02	2.141E-07	1.341E-06	1.130E-01	4.337E-05	5.925E-04	1.127E-09	0.	3.000E+04
7.577E-05	3.464E-02	1.256E-C7	9.698E-07	1.151E-01	3.442E-05	9.152E-04	3.357E-09	C.	3.100E+04
6.162E-05	2.980E-02	7.455E-C8	7.038E-07	1.164E-01	2.733E-05	1.378E-03	9.418E-09	C.	3.200E+04
5.046E-05	2.572E-02	4.745E-C8	5.130E-07	1.175E-01	2.178E-05	2.024E-03	2.498E-08	C.	3.300E+04
4.168E-05	2.225E-02	2.718E-08	3.753E-07	1.178E-01	1.740E-05	2.906E-03	6.286E-08	C.	3.400E+04
3.476E-05	1.930E-02	1.667E-08	2.755E-07	1.176E-01	1.393E-05	4.083E-03	1.505E-07	C.	3.500E+04
2.930E-05	1.676E-02	1.031E-08	2.026E-07	1.168E-01	1.119E-05	5.615E-03	3.439E-07	8.276E-15	3.600E+04
2.496E-05	1.457E-02	6.424E-09	1.490E-C7	1.154E-01	9.005E-06	7.563E-03	7.511E-07	3.668E-14	3.700E+04
2.150E-05	1.266E-02	4.022E-09	1.095E-07	1.134E-01	7.259E-06	9.982E-03	1.571E-06	1.502E-13	3.800E+04
1.871E-05	1.098E-02	2.525E-09	8.025E-08	1.107E-01	5.857E-06	1.291E-02	3.153E-06	5.714E-13	3.900E+04
1.644E-05	9.512E-03	1.587E-C6	5.853E-08	1.073E-01	4.725E-06	1.637E-02	6.081E-06	2.224E-12	4.000E+04
1.459E-05	8.212E-03	9.964E-10	4.242E-08	1.033E-01	3.809E-06	2.035E-02	1.129E-05	6.705E-12	4.100E+04
1.305E-05	7.062E-03	6.240E-10	3.052E-C8	9.862E-02	3.065E-06	2.481E-02	2.019E-05	2.084E-11	4.200E+04
1.177E-05	6.046E-03	3.893E-10	2.177E-08	9.346E-02	2.461E-06	2.968E-02	3.487E-05	6.100E-11	4.300E+04
1.069E-05	5.152E-03	2.417E-10	1.538E-08	8.787E-02	1.970E-06	3.488E-02	5.823E-05	1.687E-10	4.400E+04
9.762E-06	4.368E-03	1.493E-10	1.077E-08	8.199E-02	1.572E-06	4.027E-02	9.424E-05	4.425E-10	4.500E+04
8.964E-06	3.684E-03	9.169E-11	7.474E-09	7.595E-02	1.250E-06	4.576E-02	1.480E-04	1.104E-09	4.600E+04
8.269E-06	3.093E-03	5.603E-11	5.142E-09	6.988E-02	9.911E-07	5.12CE-02	2.262E-04	2.631E-09	4.700E+04
7.659E-06	2.585E-03	3.408E-11	3.510E-09	6.390E-02	7.832E-07	5.648E-C2	3.369E-C4	6.001E-09	4.800E+04
7.115E-06	2.152E-03	2.065E-11	2.380E-09	5.812E-02	6.173E-07	6.152E-02	4.899E-04	1.315E-08	4.900E+04
6.630E-06	1.786E-03	1.248E-11	1.605E-09	5.261E-02	4.853E-07	6.622E-C2	6.968E-04	2.776E-08	5.000E+04

P/P C = 3.20E+02

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	4.021E-02	7.436E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	9.731E-C2	1.166E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.608E-01	1.485E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.595E-30	2.055E-C1	1.746E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.370E-26	2.286E-C1	2.005E-20	0.	0.	0.	0.	0.	9.000E+02
0.	8.130E-24	2.391E-01	2.282E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.506E-21	2.439E-C1	2.542E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.169E-19	2.463E-01	2.767E-20	0.	0.	0.	0.	0.	1.200E+03

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
1.300E+03	0.	9.451E-03	6.103E-09	2.61E-13	1.675E-13	5.329E-08	7.42E-01	7.51E-19	7.820E-20
1.400E+03	0.	6.480E-03	1.784E-08	2.310E-12	6.611E-13	2.344E-07	7.451E-01	7.253E-19	1.009E-19
1.500E+03	1.327E-34	4.681E-03	4.510E-08	1.536E-11	2.175E-12	8.495E-07	7.465E-01	6.986E-19	1.251E-19
1.600E+03	2.867E-31	3.520E-03	1.015E-07	8.037E-11	6.182E-12	2.625E-06	7.474E-01	6.720E-19	1.501E-19
1.700E+03	2.553E-28	2.740E-03	2.074E-07	3.400E-10	1.557E-11	7.116E-06	7.479E-01	6.450E-19	1.753E-19
1.800E+03	1.045E-25	2.196E-03	3.914E-07	1.266E-09	3.546E-11	1.729E-05	7.483E-01	6.202E-19	2.003E-19
1.900E+03	2.449E-23	1.803E-03	6.909E-07	4.044E-09	7.430E-11	3.033E-05	7.486E-01	5.956E-19	2.247E-19
2.000E+03	3.291E-21	1.513E-03	1.152E-06	1.150E-08	1.446E-10	7.055E-05	7.489E-01	5.744E-19	2.491E-19
2.100E+03	2.219E-19	1.292E-03	1.830E-06	2.960E-08	2.663E-10	1.505E-04	7.490E-01	6.945E-19	3.417E-19
2.200E+03	3.273E-18	1.121E-03	2.786E-06	6.992E-08	4.608E-10	2.720E-04	7.489E-01	2.590E-18	1.429E-18
2.300E+03	2.290E-17	9.850E-04	4.090E-06	1.533E-07	7.640E-10	4.673E-04	7.488E-01	1.445E-17	6.852E-18
2.400E+03	1.270E-16	8.760E-04	5.814E-06	3.147E-07	1.214E-09	7.680E-04	7.487E-01	7.538E-17	5.000E-17
2.500E+03	6.389E-16	7.869E-04	6.034E-06	6.101E-07	1.867E-09	1.213E-03	7.485E-01	3.490E-16	2.568E-16
2.600E+03	2.590E-15	7.131E-04	1.003E-05	1.124E-06	2.776E-09	1.852E-03	7.478E-01	1.441E-15	1.150E-15
2.700E+03	9.913E-15	6.512E-04	1.426E-05	1.978E-06	4.010E-09	2.740E-03	7.471E-01	5.371E-15	4.610E-15
2.800E+03	3.454E-14	5.985E-04	1.842E-05	3.344E-06	5.645E-09	3.942E-03	7.461E-01	1.825E-14	1.682E-14
2.900E+03	1.106E-13	5.532E-04	2.335E-05	4.511E-06	7.763E-09	5.532E-03	7.447E-01	5.708E-14	5.614E-14
3.000E+03	3.282E-13	5.130E-04	2.911E-05	6.596E-06	1.045E-08	7.591E-03	7.430E-01	1.657E-13	1.731E-13
3.100E+03	9.091E-13	4.790E-04	3.575E-05	1.316E-05	1.380E-08	1.020E-02	7.407E-01	4.449E-13	4.970E-13
3.200E+03	2.366E-12	4.482E-04	4.329E-05	1.960E-05	1.789E-08	1.344E-02	7.378E-01	1.147E-12	1.147E-12
3.300E+03	5.815E-12	4.204E-04	5.174E-05	2.848E-05	2.282E-08	1.744E-02	7.344E-01	2.767E-12	3.303E-12
3.400E+03	1.357E-11	3.951E-04	6.111E-05	4.046E-05	2.845E-08	2.229E-02	7.301E-01	6.340E-12	8.158E-12
3.500E+03	3.018E-11	3.720E-04	7.135E-05	5.628E-05	3.520E-08	2.804E-02	7.251E-01	1.386E-11	1.867E-11
3.600E+03	6.428E-11	3.505E-04	8.242E-05	7.678E-05	4.320E-08	3.481E-02	7.192E-01	2.902E-11	4.003E-11
3.700E+03	1.315E-10	3.304E-04	9.424E-05	9.424E-05	5.216E-08	4.249E-02	7.125E-01	5.838E-11	8.565E-11
3.800E+03	2.590E-10	3.114E-04	1.068E-04	1.358E-04	6.209E-08	5.173E-02	7.044E-01	1.132E-10	1.729E-10
3.900E+03	4.931E-10	2.934E-04	1.198E-04	1.759E-04	7.306E-08	6.202E-02	6.953E-01	2.119E-10	3.367E-10
4.000E+03	9.093E-10	2.761E-04	1.333E-04	2.249E-04	8.501E-08	7.360E-02	6.842E-01	3.842E-10	6.344E-10
4.100E+03	1.628E-09	2.594E-04	1.471E-04	2.437E-04	9.786E-08	8.651E-02	6.738E-01	6.742E-10	1.159E-09
4.200E+03	2.834E-09	2.437E-04	1.609E-04	3.532E-04	1.115E-07	1.008E-01	6.613E-01	1.157E-09	2.058E-09
4.300E+03	4.809E-09	2.282E-04	1.747E-04	4.345E-04	1.258E-07	1.164E-01	6.476E-01	1.924E-09	3.558E-09
4.400E+03	7.966E-09	2.133E-04	1.882E-04	5.284E-04	1.405E-07	1.333E-01	6.327E-01	3.134E-09	5.999E-09
4.500E+03	1.290E-08	1.988E-04	2.012E-04	6.356E-04	1.555E-07	1.516E-01	6.167E-01	4.977E-09	9.878E-09
4.600E+03	2.046E-08	1.848E-04	2.136E-04	7.567E-04	1.706E-07	1.711E-01	5.995E-01	7.731E-09	1.591E-08
4.700E+03	3.180E-08	1.713E-04	2.252E-04	8.922E-04	1.855E-07	1.917E-01	5.814E-01	1.176E-08	2.511E-08
4.800E+03	4.852E-08	1.582E-04	2.358E-04	1.042E-03	2.000E-07	2.135E-01	5.622E-01	1.754E-08	3.885E-08
4.900E+03	7.274E-08	1.457E-04	2.452E-04	1.207E-03	2.139E-07	2.362E-01	5.422E-01	2.567E-08	5.902E-08
5.000E+03	1.073E-07	1.337E-04	2.534E-04	1.385E-03	2.249E-07	2.597E-01	5.215E-01	3.692E-08	8.012E-08
5.100E+03	2.227E-07	1.113E-04	2.654E-04	1.783E-03	2.495E-07	3.086E-01	4.784E-01	7.259E-08	1.672E-07
5.200E+03	4.372E-07	9.132E-05	2.716E-04	2.229E-03	2.668E-07	3.589E-01	4.339E-01	1.342E-07	3.747E-07
5.300E+03	8.162E-07	7.385E-05	2.718E-04	2.714E-03	2.775E-07	4.093E-01	3.892E-01	2.346E-07	7.115E-07
5.400E+03	1.457E-06	5.490E-05	2.666E-04	3.227E-03	2.819E-07	4.586E-01	3.454E-01	3.899E-07	1.298E-06
5.500E+03	2.496E-06	4.438E-05	2.567E-04	3.756E-03	2.807E-07	5.054E-01	3.036E-01	6.187E-07	2.232E-06
5.600E+03	4.122E-06	3.611E-05	2.432E-04	4.289E-03	2.734E-07	5.490E-01	2.645E-01	9.415E-07	3.719E-06
5.700E+03	6.587E-06	2.785E-05	2.271E-04	4.816E-03	2.622E-07	5.885E-01	2.287E-01	1.280E-06	5.981E-06
5.800E+03	1.022E-05	2.132E-05	2.095E-04	5.327E-03	2.478E-07	6.237E-01	1.945E-01	1.955E-06	9.313E-06
5.900E+03	1.542E-05	1.623E-05	1.913E-04	5.815E-03	2.313E-07	6.543E-01	1.681E-01	2.688E-06	1.408E-05
6.000E+03	2.272E-05	1.231E-05	1.732E-04	6.272E-03	2.135E-07	6.805E-01	1.433E-01	3.594E-06	2.074E-05
6.100E+03	3.273E-05	9.312E-06	1.556E-04	6.693E-03	1.952E-07	7.025E-01	1.220E-01	4.696E-06	2.981E-05
6.200E+03	4.623E-05	7.039E-06	1.390E-04	7.075E-03	1.770E-07	7.205E-01	1.037E-01	6.003E-06	4.190E-05
6.300E+03	6.412E-05	5.321E-06	1.236E-04	7.412E-03	1.592E-07	7.351E-01	8.817E-02	7.527E-06	5.773E-05
6.400E+03	8.746E-05	4.026E-06	1.094E-04	7.702E-03	1.422E-07	7.466E-01	7.505E-02	9.278E-06	7.809E-05
6.500E+03	1.175E-04	3.050E-06	9.480E-05	7.941E-03	1.260E-07	7.553E-01	6.400E-02	1.126E-05	1.039E-04
6.600E+03	1.557E-04	2.315E-06	8.480E-05	8.127E-03	1.109E-07	7.617E-01	5.449E-02	1.344E-05	1.360E-04
6.700E+03	2.037E-04	1.760E-06	7.431E-05	8.258E-03	9.696E-08	7.661E-01	4.687E-02	1.595E-05	1.756E-04
6.800E+03	2.633E-04	1.341E-06	6.493E-05	8.332E-03	8.413E-08	7.688E-01	4.028E-02	1.865E-05	2.237E-04
6.900E+03	3.366E-04	1.024E-06	5.658E-05	8.351E-03	7.247E-08	7.701E-01	3.474E-02	2.161E-05	2.816E-04
7.000E+03	4.259E-04	7.838E-07	4.918E-05	8.314E-03	6.197E-08	7.703E-01	3.004E-02	2.481E-05	3.506E-04
7.100E+03	5.338E-04	6.011E-07	4.265E-05	8.225E-03	5.206E-08	7.696E-01	2.611E-02	2.824E-05	4.322E-04
7.200E+03	6.629E-04	4.621E-07	3.690E-05	8.087E-03	4.433E-08	7.681E-01	2.277E-02	3.198E-05	5.279E-04
7.300E+03	8.163E-04	3.561E-07	3.186E-05	7.905E-03	3.710E-08	7.662E-01	1.994E-02	3.594E-05	6.393E-04
7.400E+03	9.971E-04	2.751E-07	2.747E-05	7.684E-03	3.084E-08	7.640E-01	1.753E-02	4.023E-05	7.683E-04
7.500E+03	1.209E-03	2.132E-07	2.365E-05	7.431E-03	2.549E-08	7.616E-01	1.548E-02	4.480E-05	9.169E-04
7.600E+03	2.857E-03	1.613E-07	2.023E-05	7.135E-03	2.135E-08	7.590E-01	1.373E-02	4.940E-05	1.093E-03
7.700E+03	5.869E-03	1.204E-07	1.717E-05	6.803E-03	1.820E-08	7.560E-01	1.207E-02	5.394E-05	1.292E-03
7.800E+03	1.061E-02	7.533E-08	2.717E-06	3.365E-03	1.203E-09	7.323E-01	3.684E-03	1.591E-04	7.220E-03
7.900E+03	1.828E-02	3.028E-09	1.447E-06	2.547E-03	4.742E-10	7.216E-01	2.566E-03	2.171E-04	1.203E-07
8.000E+03	2.880E-02	1.306E-09	8.018E-07	1.943E-03	1.980E-10	7.070E-01	1.836E-03	2.821E-04	1.879E-02
8.100E+03	4.277E-02	5.903E-10	4.558E-07	1.488E-03	6.609E-11	6.878E-01	1.334E-03	3.503E-04	2.778E-02
8.200E+03	6.040E-02	2.740E-10	2.623E-07	1.135E-03	3.829E-11	6.634E-01	9.752E-04	4.165E-04	3.917E-02
8.300E+03	8.164E-02	1.284E-10	1.511E-07	8.578E-04	1.713E-11	6.338E-01	7.116E-04	4.753E-04	5.297E-02
8.400E+03	1.061E-01	5.981E-11	8.621E-08	6.388E-04	7.611E-12	5.995E-01	5.152E-04	5.213E-04	6.905E-02
8.500E+03	1.333E-01	2.743E-11	4.841E-08	4.669E-04	3.320E-12	5.613E-01	3.683E-04	5.501E-04	8.710E-02
8.600E+03	1.622E-01	1.228E-11	2.662E-08	3.343E-04	1.413E-12	5.202E-01	2.593E-04	5.597E-04	1.064E-01
8.700E+03	1.921E-01	5.353E-12	1.430E-08	2.341E-04	5.944E-13	4.775E-01	1.794E-04	5.499E-04	1.271E-01
8.800E+03	2.218E-01	7.500E-12	7.500E-09	1.606E-04	2.749E-13	4.345E-01	1.220E-04	5.233E-04	1.479E-01
8.900E+03	2.507E-01	9.357E-13	3.890E-09	1.081E-04	9.198E-14	3.929E-01	8.170E-05	4.837E-04	1.689E-01
9.000E+03	2.778E-01	3.777E-13	1.942E-09	7.155E-05	3.526E-14	3.525E-01	5.393E-05	4.597E-04	1.882E-01
9.100E+03	3.024E-01	1.500E-13	9.662E-10	4.680E-05	1.331E-14	3.152E-01	3.525E-05	3.842E-04	2.088E-01
9.200E+03	3.256E-01	5.903E-14	4.770E-10	3.035E-05	4.986E-15	2.812E-01	2.288E-05	3.327E-04	2.240E-01
9.300E+03	3.458E-01	2.316E-14	2.348E-10	1.959E-05	1.866E-15	2.566E-01	1.477E-05	2.861E-04	2.395E-01
9.400E+03	3.636E-01	1.158E-14	1.263E-10	1.263E-05	7.018E-16	2.314E-01	9.336E-06	2.400E-04	2.534E-01
9.500E+03	3.793E-01	3.622E-15	5.749E-11	8.161E-06	2.666E-16	1.995E-01	6.172E-06	2.012E-04	2.637E-01
9.600E+03	3.929E-01	1.458E-15	2.881E-11	5.245E-06	1.028E-16	1.785E-01	4.015E-06	1.397E-04	2.769E-01
9.700E+03	4.048E-01	5.966E-16	1.461E-11						

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	4.651E-18	2.476E-01	2.950E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.095E-16	2.484E-01	3.090E-20	0.867E-32	0.	0.	0.	0.	1.400E+03
0.	1.696E-15	2.488E-01	3.189E-20	7.492E-31	0.	0.	0.	0.	1.500E+03
4.019E-34	1.867E-14	2.491E-01	3.253E-20	5.311E-30	0.	0.	0.	0.	1.600E+03
6.061E-31	1.552E-13	2.493E-01	3.286E-20	2.839E-29	0.	0.	0.	0.	1.700E+03
4.087E-28	1.021E-12	2.494E-01	3.296E-20	1.253E-28	0.	0.	0.	0.	1.800E+03
1.398E-25	5.510E-12	2.495E-01	3.286E-20	4.708E-28	0.	0.	0.	0.	1.900E+03
2.675E-23	2.516E-11	2.496E-01	3.276E-20	1.549E-27	0.	0.	0.	0.	2.000E+03
2.480E-21	9.447E-11	2.497E-01	4.076E-20	5.684E-27	4.920E-29	0.	0.	0.	2.100E+03
4.896E-20	3.473E-10	2.497E-01	1.559E-19	5.812E-26	2.349E-27	0.	0.	0.	2.200E+03
4.437E-19	1.089E-09	2.497E-01	8.905E-19	8.146E-25	4.780E-26	0.	0.	0.	2.300E+03
3.107E-18	3.103E-09	2.497E-01	4.743E-18	9.880E-24	7.026E-25	0.	0.	0.	2.400E+03
1.840E-17	8.139E-09	2.496E-01	2.238E-17	9.940E-23	8.231E-24	0.	0.	0.	2.500E+03
9.476E-17	1.983E-08	2.496E-01	9.407E-17	8.404E-22	7.958E-23	0.	0.	0.	2.600E+03
4.316E-16	4.525E-08	2.495E-01	3.563E-16	6.079E-21	6.494E-22	0.	0.	0.	2.700E+03
1.762E-15	9.736E-08	2.493E-01	1.230E-15	3.824E-20	4.556E-21	0.	0.	0.	2.800E+03
6.518E-15	1.987E-07	2.492E-01	3.902E-15	2.123E-19	2.791E-20	0.	0.	0.	2.900E+03
2.207E-14	3.870E-07	2.489E-01	1.149E-14	1.053E-18	1.514E-19	0.	0.	0.	3.000E+03
6.897E-14	7.218E-07	2.486E-01	3.160E-14	4.716E-18	7.351E-19	0.	0.	0.	3.100E+03
2.004E-13	1.295E-06	2.482E-01	8.171E-14	1.926E-17	3.230E-18	0.	0.	0.	3.200E+03
5.449E-13	2.243E-06	2.477E-01	1.998E-13	7.236E-17	1.296E-17	0.	0.	0.	3.300E+03
1.395E-12	3.761E-06	2.471E-01	4.642E-13	2.518E-16	4.783E-17	0.	0.	0.	3.400E+03
3.376E-12	6.122E-06	2.465E-01	1.029E-12	8.168E-16	1.636E-16	0.	0.	0.	3.500E+03
7.785E-12	9.698E-06	2.455E-01	2.186E-12	2.485E-15	5.221E-16	0.	0.	0.	3.600E+03
1.704E-11	1.498E-05	2.445E-01	4.462E-12	7.129E-15	1.562E-15	0.	0.	0.	3.700E+03
3.579E-11	2.262E-05	2.433E-01	8.784E-12	1.937E-14	4.406E-15	0.	0.	0.	3.800E+03
7.220E-11	3.344E-05	2.420E-01	1.672E-11	5.005E-14	1.176E-14	0.	0.	0.	3.900E+03
1.403E-10	4.844E-05	2.405E-01	3.084E-11	1.235E-13	2.984E-14	0.	0.	0.	4.000E+03
2.632E-10	6.891E-05	2.389E-01	5.526E-11	2.917E-13	7.224E-14	0.	0.	0.	4.100E+03
4.780E-10	9.636E-05	2.370E-01	9.637E-11	6.422E-13	1.474E-13	0.	0.	0.	4.200E+03
8.419E-10	1.324E-04	2.350E-01	1.635E-10	1.449E-12	3.723E-13	0.	0.	0.	4.300E+03
1.441E-09	1.798E-04	2.328E-01	2.723E-10	3.061E-12	7.969E-13	0.	0.	0.	4.400E+03
2.401E-09	2.404E-04	2.305E-01	4.426E-10	4.261E-12	1.646E-12	0.	0.	0.	4.500E+03
3.900E-09	3.173E-04	2.279E-01	7.046E-10	1.243E-11	3.289E-12	0.	0.	0.	4.600E+03
6.146E-09	4.136E-04	2.252E-01	1.100E-09	1.638E-11	6.364E-12	0.	0.	0.	4.700E+03
9.553E-09	5.330E-04	2.223E-01	1.648E-09	4.505E-11	1.197E-11	0.	0.	0.	4.800E+03
1.456E-08	6.794E-04	2.193E-01	2.545E-09	8.257E-11	2.189E-11	0.	0.	0.	4.900E+03
2.167E-08	8.574E-04	2.162E-01	3.777E-09	1.478E-10	3.900E-11	0.	0.	0.	5.000E+03
4.534E-08	1.328E-03	2.096E-01	7.961E-09	4.443E-10	1.151E-10	0.	0.	0.	5.200E+03
8.858E-08	1.987E-03	2.027E-01	1.591E-08	1.235E-09	3.115E-10	0.	0.	0.	5.400E+03
1.626E-07	2.845E-03	1.956E-01	3.032E-08	3.203E-09	7.791E-10	0.	0.	0.	5.600E+03
2.823E-07	4.078E-03	1.884E-01	5.540E-08	7.807E-09	1.817E-09	0.	0.	0.	5.800E+03
4.61E-07	5.627E-03	1.813E-01	9.750E-08	1.800E-08	3.981E-09	0.	0.	0.	6.000E+03
7.353E-07	7.600E-03	1.744E-01	1.658E-07	3.944E-08	8.242E-09	3.388E	0.	0.	6.200E+03
1.114E-06	1.037E-02	1.676E-01	2.735E-07	8.237E-08	1.622E-08	2.710E-09	0.	0.	6.400E+03
1.627E-06	1.310E-02	1.611E-01	4.385E-07	1.658E-07	3.049E-08	1.923E-09	0.	0.	6.600E+03
2.300E-06	1.678E-02	1.547E-01	6.847E-07	3.202E-07	5.497E-08	1.223E-09	0.	0.	6.800E+03
3.161E-06	2.117E-02	1.485E-01	1.043E-06	5.967E-07	9.542E-08	7.029E-09	0.	0.	7.000E+03
4.234E-06	2.634E-02	1.423E-01	1.551E-06	1.075E-06	1.600E-07	3.678E-09	0.	0.	7.200E+03
5.544E-06	3.239E-02	1.361E-01	2.254E-06	1.877E-06	2.598E-07	1.764E-09	0.	0.	7.400E+03
7.116E-06	3.922E-02	1.298E-01	3.203E-06	3.182E-06	4.096E-07	7.801E-09	0.	0.	7.600E+03
8.972E-06	4.698E-02	1.234E-01	4.453E-06	5.243E-06	6.283E-07	3.197E-09	0.	0.	7.800E+03
1.113E-05	5.562E-02	1.168E-01	6.058E-06	8.408E-06	9.391E-07	1.220E-09	0.	0.	8.000E+03
1.362E-05	6.510E-02	1.099E-01	8.068E-06	1.314E-05	1.370E-06	4.352E-09	0.	0.	8.200E+03
1.645E-05	7.534E-02	1.029E-01	1.052E-05	2.005E-05	1.933E-06	1.458E-09	0.	0.	8.400E+03
1.965E-05	8.629E-02	9.567E-02	1.343E-05	2.987E-05	2.724E-06	4.601E-09	0.	0.	8.600E+03
2.324E-05	9.767E-02	8.833E-02	1.680E-05	4.352E-05	3.720E-06	1.373E-09	0.	0.	8.800E+03
2.718E-05	1.094E-01	8.092E-02	2.060E-05	6.204E-05	4.981E-06	3.886E-09	0.	0.	9.000E+03
3.159E-05	1.214E-01	7.354E-02	2.475E-05	8.686E-05	6.544E-06	1.046E-09	0.	0.	9.200E+03
3.632E-05	1.333E-01	6.629E-02	2.918E-05	1.187E-04	8.441E-06	2.688E-09	0.	0.	9.400E+03
4.152E-05	1.449E-01	5.926E-02	3.375E-05	1.596E-04	1.070E-05	6.605E-09	0.	0.	9.600E+03
4.715E-05	1.561E-01	5.255E-02	3.836E-05	2.107E-04	1.334E-05	1.557E-09	0.	0.	9.800E+03
5.322E-05	1.667E-01	4.623E-02	4.286E-05	2.737E-04	1.638E-05	3.528E-09	0.	0.	1.000E+04
9.019E-05	2.072E-01	2.224E-02	6.040E-05	8.187E-04	3.729E-05	1.270E-09	0.	0.	1.100E+04
1.379E-04	2.271E-01	9.960E-03	6.721E-05	1.883E-03	6.617E-05	2.354E-09	0.	0.	1.200E+04
1.943E-04	2.339E-01	4.541E-03	6.483E-05	3.662E-03	1.005E-04	2.711E-09	0.	0.	1.300E+04
2.580E-04	2.338E-01	2.185E-03	6.314E-05	6.360E-03	1.376E-04	2.188E-10	7.987E-25	0.	1.400E+04
3.183E-04	2.295E-01	1.113E-03	5.800E-05	1.016E-02	1.746E-04	1.338E-09	5.081E-23	0.	1.500E+04
3.759E-04	2.221E-01	5.953E-04	5.214E-05	1.517E-02	2.080E-04	6.549E-09	1.4957E-21	0.	1.600E+04
4.234E-04	2.121E-01	3.301E-04	4.592E-05	2.143E-02	2.347E-04	2.671E-08	5.001E-20	0.	1.700E+04
4.584E-04	1.997E-01	1.676E-04	3.957E-05	2.886E-02	2.520E-04	9.354E-08	9.091E-19	0.	1.800E+04
4.718E-04	1.855E-01	1.082E-04	3.332E-05	3.725E-02	2.585E-04	2.882E-07	1.243E-17	0.	1.900E+04
4.888E-04	1.690E-01	6.280E-05	2.739E-05	4.631E-02	2.541E-04	7.960E-07	1.334E-16	0.	2.000E+04
4.988E-04	1.534E-01	3.647E-05	2.198E-05	5.589E-02	2.481E-04	2.002E-06	1.137E-15	0.	2.100E+04
4.918E-04	1.367E-01	2.110E-05	1.722E-05	6.500E-02	2.403E-04	4.442E-06	8.5E-15	0.	2.200E+04
3.704E-04	1.204E-01	1.215E-05	1.321E-05	7.391E-02	1.933E-04	1.003E-05	5.369E-14	0.	2.300E+04
3.244E-04	1.051E-01	6.961E-05	9.947E-05	8.213E-02	1.660E-04	2.038E-05	2.951E-13	0.	2.400E+04
2.764E-04	9.933E-02	3.794E-05	7.375E-05	8.948E-02	1.393E-04	3.923E-05	1.441E-12	0.	2.500E+04
2.311E-04	7.827E-02	2.266E-05	5.405E-05	9.588E-02	1.148E-04	7.201E-05	4.336E-12	0.	2.600E+04
1.905E-04	6.714E-02	1.295E-05	3.930E-05	1.013E-01	9.327E-05	1.267E-04	2.536E-11	0.	2.700E+04
1.596E-04	5.751E-02	7.429E-07	2.844E-05	1.058E-01	7.505E-05	2.147E-04	9.330E-11	0.	2.800E+04
1.243E-04	4.927E-02	4.294E-07	2.037E-05	1.095E-01	6.003E-05	3.517E-04	3.178E-10	0.	2.900E+04
1.024E-04	4.228E-02	2.504E-07	1.489E-05	1.123E-01	4.785E-05	5.588E-04	1.009E-09	0.	3.000E+04
8.319E-05	3.635E-02	1.476E-07	1.080E-05	1.144E-01	3.811E-05	6.634E-04	3.002E-09	0.	3.100E+04
6.787E-05	3.135E-02	8.799E-08	7.868E-07	1.162E-01	3.038E-05	1.300E-03	8.415E-09	0.	3.200E+04
5.373E-05	2.710E-02	5.305E-08	5.752E-07	1.172E-01	2.427E-05	1.910E-03	2.230E-08	0.	3.300E+04
4.614E-05	2.350E-02	3.233E-08	4.221E-07	1.177E-01	1.943E-05	2.744E-03	5.611E-08	0.	3.400E+04

TABLE II. - Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.500E+04	4.326E-01	4.604E-17	2.077E-12	1.005E-06	2.748E-18	1.111E-01	7.800E-07	8.048E-05	3.073E-01
3.600E+04	4.402E-01	2.044E-17	1.117E-12	6.764E-07	1.167E-18	1.075E-01	5.311E-07	6.719E-05	3.124E-01
3.700E+04	4.467E-01	9.259E-18	6.094E-13	4.584E-07	5.050E-19	9.613E-02	3.654E-07	5.624E-05	3.167E-01
3.800E+04	4.530E-01	4.278E-18	3.370E-13	3.127E-07	2.220E-19	8.990E-02	2.549E-07	4.722E-05	3.203E-01
3.900E+04	4.589E-01	2.013E-18	1.887E-13	2.144E-07	9.901E-20	8.263E-02	1.791E-07	3.978E-05	3.231E-01
4.000E+04	4.646E-01	9.639E-19	1.068E-13	1.477E-07	4.470E-20	7.418E-02	1.273E-07	3.363E-05	3.255E-01
4.100E+04	4.701E-01	4.688E-19	6.113E-14	1.022E-07	2.038E-20	7.043E-02	9.151E-08	2.853E-05	3.278E-01
4.200E+04	4.754E-01	2.313E-19	3.529E-14	7.085E-08	9.349E-21	6.529E-02	6.442E-08	2.429E-05	3.281E-01
4.300E+04	4.806E-01	1.156E-19	2.053E-14	4.923E-08	4.335E-21	6.068E-02	4.868E-08	2.075E-05	3.288E-01
4.400E+04	4.857E-01	5.851E-20	1.203E-14	3.425E-08	2.016E-21	5.652E-02	3.601E-08	1.779E-05	3.292E-01
4.500E+04	4.907E-01	2.994E-20	7.098E-15	2.386E-08	9.412E-22	5.276E-02	2.688E-08	1.531E-05	3.296E-01
4.600E+04	4.955E-01	1.548E-20	4.213E-15	1.663E-08	4.410E-22	4.935E-02	2.024E-08	1.323E-05	3.298E-01
4.700E+04	5.002E-01	8.089E-21	2.514E-15	1.180E-08	2.074E-22	4.626E-02	1.537E-08	1.147E-05	3.296E-01
4.800E+04	5.046E-01	4.267E-21	1.509E-15	8.098E-09	9.783E-23	4.363E-02	1.176E-08	9.981E-06	3.281E-01
4.900E+04	5.088E-01	2.273E-21	9.113E-16	5.660E-09	4.633E-23	4.085E-02	9.067E-09	8.718E-06	3.275E-01
5.000E+04	5.127E-01	1.223E-21	5.534E-16	3.962E-09	2.204E-23	3.868E-02	7.063E-09	7.642E-06	3.270E-01

P/PO = 3.40E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	0.	8.436E-01	1.155E-20	2.528E-35	2.312E-28	1.303E-22	1.173E-01	1.562E-18	6.885E-22
6.000E+02	0.	6.196E-01	3.322E-17	3.426E-29	5.733E-24	1.347E-18	2.853E-01	1.365E-18	2.990E-21
7.000E+02	0.	3.671E-01	7.928E-15	7.244E-25	5.929E-21	9.484E-16	4.747E-01	1.145E-18	4.630E-21
8.000E+02	0.	1.855E-01	3.899E-13	1.115E-21	8.207E-19	1.231E-13	6.109E-01	9.833E-19	8.770E-21
9.000E+02	0.	9.026E-02	7.023E-12	3.003E-19	3.178E-17	5.247E-12	6.823E-01	8.928E-17	1.554E-20
1.000E+03	0.	4.625E-02	6.625E-11	2.656E-17	5.444E-16	1.042E-10	7.153E-01	8.425E-19	2.563E-20
1.100E+03	0.	2.571E-02	4.032E-10	9.999E-16	5.372E-15	1.199E-09	7.307E-01	8.087E-19	7.930E-20
1.200E+03	0.	1.553E-02	1.791E-09	2.041E-14	3.586E-14	9.197E-09	7.364E-01	7.807E-19	5.832E-20
1.300E+03	0.	1.003E-02	6.246E-09	2.611E-13	7.777E-13	5.168E-08	7.425E-01	7.543E-19	7.621E-20
1.400E+03	0.	6.888E-03	1.837E-08	2.317E-12	7.019E-13	2.275E-07	7.448E-01	7.281E-19	9.832E-20
1.500E+03	1.242E-34	4.971E-03	4.647E-08	1.536E-11	2.310E-12	8.240E-07	7.463E-01	7.019E-19	1.219E-19
1.600E+03	2.493E-31	3.738E-03	1.046E-07	8.035E-11	6.565E-12	2.546E-06	7.472E-01	6.757E-19	1.464E-19
1.700E+03	2.7E-28	2.910E-03	2.137E-07	3.459E-10	1.654E-11	6.903E-06	7.478E-01	6.498E-19	1.712E-19
1.800E+03	1.013E-25	2.332E-03	4.034E-07	1.266E-09	7.769E-11	1.678E-05	7.482E-01	6.247E-19	1.957E-19
1.900E+03	2.305E-23	1.916E-03	7.121E-07	4.644E-09	7.892E-11	3.718E-05	7.485E-01	6.004E-19	2.197E-19
2.000E+03	3.071E-21	1.607E-03	1.147E-06	1.150E-08	1.538E-10	7.620E-05	7.487E-01	5.793E-19	2.437E-19
2.100E+03	2.093E-19	1.372E-03	1.886E-06	2.959E-08	2.818E-10	1.460E-04	7.488E-01	6.930E-19	3.308E-19
2.200E+03	3.145E-18	1.190E-03	2.872E-06	6.991E-08	4.895E-10	2.629E-04	7.489E-01	2.536E-18	1.558E-18
2.300E+03	2.27E-17	1.046E-03	4.216E-06	1.533E-07	8.117E-10	4.534E-04	7.488E-01	1.411E-17	8.385E-18
2.400E+03	1.224E-16	9.307E-04	5.993E-06	3.147E-07	1.292E-09	7.450E-04	7.486E-01	7.359E-17	4.811E-17
2.500E+03	5.86E-16	8.361E-04	6.282E-06	6.101E-07	1.984E-09	1.177E-03	7.483E-01	3.400E-16	2.433E-16
2.600E+03	2.495E-15	7.577E-04	1.116E-05	1.124E-06	2.949E-09	1.797E-03	7.479E-01	1.408E-15	1.090E-15
2.700E+03	9.547E-15	6.919E-04	1.470E-05	1.979E-06	4.281E-09	2.688E-03	7.471E-01	5.249E-15	3.79E-15
2.800E+03	3.325E-14	6.360E-04	1.899E-05	3.349E-06	5.999E-09	3.825E-03	7.462E-01	1.784E-14	1.596E-14
2.900E+03	1.064E-13	5.879E-04	2.407E-05	6.451E-06	6.250E-09	5.368E-03	7.448E-01	5.583E-14	5.326E-14
3.000E+03	3.18E-13	5.461E-04	3.002E-05	6.594E-06	1.111E-08	7.365E-03	7.431E-01	1.621E-13	1.643E-13
3.100E+03	6.744E-13	5.093E-04	3.687E-05	1.316E-05	1.467E-08	9.900E-03	7.409E-01	4.400E-13	4.719E-13
3.200E+03	2.275E-12	4.745E-04	4.445E-05	1.961E-05	1.902E-08	1.306E-02	7.382E-01	1.123E-12	1.270E-12
3.300E+03	5.990E-12	4.47E-04	5.337E-05	2.850E-05	2.826E-08	1.694E-02	7.368E-01	2.710E-12	3.224E-12
3.400E+03	1.304E-11	4.204E-04	6.304E-05	4.048E-05	3.047E-08	2.163E-02	7.350E-01	6.214E-12	7.534E-12
3.500E+03	2.900E-11	3.959E-04	7.363E-05	5.432E-05	3.772E-08	2.722E-02	7.338E-01	1.359E-11	1.775E-11
3.600E+03	6.175E-11	3.731E-04	8.508E-05	7.645E-05	4.604E-08	3.378E-02	7.301E-01	2.967E-11	3.883E-11
3.700E+03	1.263E-10	3.519E-04	9.733E-05	1.030E-04	5.544E-08	4.144E-02	7.282E-01	5.729E-11	6.146E-11
3.800E+03	2.488E-10	3.319E-04	1.103E-04	1.358E-04	6.614E-08	5.023E-02	7.057E-01	1.111E-10	1.664E-10
3.900E+03	4.735E-10	3.129E-04	1.238E-04	1.762E-04	7.787E-08	6.024E-02	6.969E-01	2.081E-10	3.205E-10
4.000E+03	8.731E-10	2.947E-04	1.379E-04	2.254E-04	9.064E-08	7.150E-02	6.870E-01	3.774E-10	6.041E-10
4.100E+03	1.563E-09	2.773E-04	1.522E-04	2.843E-04	1.044E-07	8.404E-02	6.768E-01	6.645E-10	1.104E-09
4.200E+03	2.721E-09	2.605E-04	1.666E-04	3.542E-04	1.191E-07	9.795E-02	6.638E-01	1.138E-09	1.961E-09
4.300E+03	4.617E-09	2.443E-04	1.810E-04	4.358E-04	1.344E-07	1.132E-01	6.504E-01	1.898E-09	3.391E-09
4.400E+03	7.648E-09	2.286E-04	1.952E-04	5.302E-04	1.503E-07	1.297E-01	6.359E-01	3.088E-09	5.728E-09
4.500E+03	1.239E-08	2.133E-04	2.089E-04	6.381E-04	1.664E-07	1.475E-01	6.202E-01	4.907E-09	9.422E-09
4.600E+03	1.964E-08	1.986E-04	2.220E-04	7.602E-04	1.829E-07	1.667E-01	6.035E-01	7.626E-09	1.518E-08
4.700E+03	3.054E-08	1.843E-04	2.342E-04	8.968E-04	1.991E-07	1.867E-01	5.857E-01	1.162E-08	2.397E-08
4.800E+03	4.559E-08	1.705E-04	2.455E-04	1.048E-03	2.150E-07	2.080E-01	5.670E-01	1.734E-08	3.710E-08
4.900E+03	6.986E-08	1.573E-04	2.554E-04	1.214E-03	2.302E-07	2.302E-01	5.474E-01	2.540E-08	5.639E-08
5.000E+03	1.030E-07	1.446E-04	2.644E-04	1.395E-03	2.445E-07	2.533E-01	5.271E-01	3.656E-08	8.422E-08
5.100E+03	2.140E-07	1.209E-04	2.778E-04	1.799E-03	2.698E-07	3.013E-01	4.867E-01	7.204E-08	1.790E-07
5.200E+03	4.203E-07	9.961E-05	2.851E-04	2.252E-03	2.893E-07	3.518E-01	4.408E-01	1.333E-07	3.587E-07
5.300E+03	7.851E-07	8.094E-05	2.863E-04	2.747E-03	3.021E-07	4.009E-01	4.009E-01	3.968E-07	6.018E-07
5.400E+03	1.402E-06	6.487E-05	2.818E-04	3.272E-03	3.281E-07	4.498E-01	3.531E-01	3.898E-07	1.233E-06
5.500E+03	2.603E-06	5.134E-05	2.723E-04	3.816E-03	3.074E-07	4.954E-01	3.113E-01	6.201E-07	2.143E-06
5.600E+03	3.972E-06	4.018E-05	2.588E-04	4.364E-03	3.009E-07	5.402E-01	2.721E-01	9.442E-07	3.574E-06
5.700E+03	6.351E-06	3.115E-05	2.425E-04	4.911E-03	2.896E-07	5.801E-01	2.361E-01	1.391E-06	5.754E-06
5.800E+03	9.556E-06	2.396E-05	2.245E-04	5.441E-03	2.746E-07	6.157E-01	2.035E-01	1.975E-06	8.969E-06
5.900E+03	1.489E-05	1.832E-05	2.056E-04	5.948E-03	2.571E-07	6.470E-01	1.764E-01	2.722E-06	1.328E-05
6.000E+03	2.194E-05	1.396E-05	1.867E-04	6.425E-03	2.381E-07	6.738E-01	1.493E-01	3.650E-06	2.001E-05
7.000E+03	3.163E-05	1.060E-05	1.687E-04	8.867E-03	2.183E-07	6.967E-01	1.274E-01	4.777E-06	2.878E-05
7.500E+03	4.469E-05	8.043E-06	1.506E-04	7.268E-03	1.985E-07	7.152E-01	1.089E-01	6.118E-06	4.049E-05
7.800E+03	6.209E-05	6.101E-06	1.342E-04	7.624E-03	1.790E-07	7.305E-01	9.250E-02	7.686E-06	5.593E-05
8.000E+03	8.460E-05	4.631E-06	1.191E-04	7.932E-03	1.602E-07	7.426E-01	7.889E-02	9.489E-06	7.557E-05
8.200E+03	1.137E-04	3.519E-06	1.052E-04	8.189E-03	1.424E-07	7.519E-01	6.738E-02	1.153E-05	1.004E-04
8.400E+03	1.507E-04	2.678E-06	9.269E-05	8.342E-03	1.257E-07	7.589E-01	5.767E-02	1.383E-05	1.318E-04
8.600E+03	1.971E-04	2.042E-06	8.13E-05	8.538E-03	1.101E-07	7.637E-01	4.949E-02	1.637E-05	1.702E-04
8.800E+03	2.548E-04	1.568E-06	7.125E-05	8.627E-03	9.583E-08	7.669E-01	4.258E-02	1.917E-05	2.149E-04
8.900E+03	3.258E-04	1.194E-06	6.221E-05	8.658E-03	8.278E-08	7.688E-01	3.678E-02	2.223E-05	2.732E-04

TABLE II. - Continued

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
3.657E-05	2.042E-02	1.990E-08	3.108E-07	1.176E-01	1.560E-05	3.856E-03	1.343E-07	0.	3.500E+04
3.257E-05	1.776E-02	1.236E-08	2.292E-07	1.169E-01	1.256E-05	5.307E-03	3.069E-07	6.976E-15	3.600E+04
2.780E-05	1.547E-02	7.727E-09	1.692E-07	1.157E-01	1.013E-05	7.156E-03	6.707E-07	3.092E-14	3.700E+04
2.396E-05	1.347E-02	4.857E-09	1.248E-07	1.138E-01	8.186E-06	9.455E-03	1.404E-06	1.267E-13	3.800E+04
2.089E-05	1.171E-02	3.062E-09	9.180E-08	1.113E-01	6.621E-06	1.225E-02	2.821E-06	4.822E-13	3.900E+04
1.839E-05	1.017E-02	1.934E-09	6.724E-08	1.081E-01	5.356E-06	1.555E-02	5.449E-06	1.710E-12	4.000E+04
1.633E-05	8.798E-03	1.220E-09	4.897E-08	1.043E-01	4.329E-06	1.938E-02	1.013E-05	5.674E-12	4.100E+04
1.463E-05	7.587E-03	7.683E-10	3.541E-08	9.987E-02	3.494E-06	2.368E-02	1.816E-05	1.767E-11	4.200E+04
1.320E-05	6.515E-03	4.821E-10	2.540E-08	9.490E-02	2.813E-06	2.840E-02	3.144E-05	5.184E-11	4.300E+04
1.199E-05	5.568E-03	3.012E-10	1.804E-08	8.948E-02	2.260E-06	3.347E-02	5.265E-05	1.437E-10	4.400E+04
1.096E-05	4.734E-03	1.872E-10	1.273E-08	8.375E-02	1.809E-06	3.876E-02	8.543E-05	3.780E-10	4.500E+04
1.007E-05	4.008E-03	1.157E-10	8.884E-09	7.787E-02	1.444E-06	4.416E-02	1.346E-04	9.456E-10	4.600E+04
9.298E-06	3.376E-03	7.119E-11	6.133E-09	7.182E-02	1.149E-06	4.956E-02	2.062E-04	2.258E-09	4.700E+04
8.616E-06	2.831E-03	4.359E-11	4.227E-09	6.588E-02	9.108E-07	5.483E-02	3.079E-04	5.165E-09	4.800E+04
8.011E-06	2.364E-03	2.558E-11	2.884E-09	6.010E-02	7.203E-07	5.989E-02	4.489E-04	1.135E-08	4.900E+04
7.469E-06	1.968E-03	1.614E-11	1.957E-09	5.456E-02	5.682E-07	6.465E-02	6.403E-04	2.431E-08	5.000E+04

P/PO = 3.40E+02

H-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	3.911E-02	7.454E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	9.509E-02	1.173E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.582E-01	1.496E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.437E-30	2.036E-01	1.752E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.325E-26	2.274E-01	2.014E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.877E-24	2.384E-01	2.289E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.460E-21	2.436E-01	2.545E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.133E-19	2.661E-01	2.775E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.511E-18	2.475E-01	2.960E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.063E-16	2.483E-01	3.102E-20	4.638E-32	0.	0.	0.	0.	1.400E+03
0.	1.649E-15	2.488E-01	3.204E-20	7.693E-31	0.	0.	0.	0.	1.500E+03
3.876E-34	1.811E-14	2.491E-01	3.270E-20	5.181E-30	0.	0.	0.	0.	1.600E+03
5.842E-31	1.509E-13	2.493E-01	3.307E-20	2.772E-29	0.	0.	0.	0.	1.700E+03
3.934E-28	9.900E-13	2.494E-01	3.319E-20	1.224E-28	0.	0.	0.	0.	1.800E+03
1.345E-25	5.345E-12	2.495E-01	3.312E-20	4.604E-28	0.	0.	0.	0.	1.900E+03
2.573E-23	2.441E-11	2.496E-01	3.302E-20	1.516E-27	0.	0.	0.	0.	2.000E+03
2.419E-11	9.650E-11	2.496E-01	4.067E-20	5.902E-27	4.784E-29	0.	0.	0.	2.100E+03
4.849E-20	3.370E-10	2.497E-01	1.527E-19	5.522E-26	2.326E-27	0.	0.	0.	2.200E+03
4.408E-19	1.056E-09	2.497E-01	8.695E-19	7.716E-25	4.749E-26	0.	0.	0.	2.300E+03
3.087E-18	3.010E-09	2.497E-01	4.630E-18	9.358E-24	6.981E-25	0.	0.	0.	2.400E+03
1.828E-17	7.896E-09	2.496E-01	2.185E-17	9.417E-23	8.177E-24	0.	0.	0.	2.500E+03
9.410E-17	1.924E-08	2.496E-01	9.190E-17	7.965E-22	7.902E-23	0.	0.	0.	2.600E+03
4.285E-16	6.389E-08	2.495E-01	3.482E-16	5.764E-21	6.444E-22	0.	0.	0.	2.700E+03
1.748E-15	9.445E-08	2.494E-01	1.202E-15	3.627E-20	4.521E-21	0.	0.	0.	2.800E+03
6.460E-15	1.928E-07	2.492E-01	3.816E-15	2.014E-19	2.769E-20	0.	0.	0.	2.900E+03
2.189E-14	3.754E-07	2.489E-01	1.124E-14	9.992E-19	1.501E-19	0.	0.	0.	3.000E+03
6.839E-14	7.003E-07	2.486E-01	3.092E-14	4.477E-18	7.288E-19	0.	0.	0.	3.100E+03
1.987E-13	1.256E-06	2.482E-01	8.000E-14	1.829E-17	3.202E-18	0.	0.	0.	3.200E+03
5.401E-13	2.176E-06	2.477E-01	1.957E-13	6.873E-17	1.284E-17	0.	0.	0.	3.300E+03
1.382E-12	3.649E-06	2.471E-01	4.547E-13	2.392E-16	4.739E-17	0.	0.	0.	3.400E+03
3.345E-12	5.940E-06	2.464E-01	1.008E-12	7.763E-16	1.621E-16	0.	0.	0.	3.500E+03
7.894E-12	9.411E-06	2.456E-01	2.142E-12	2.363E-15	5.172E-16	0.	0.	0.	3.600E+03
1.688E-11	1.454E-05	2.446E-01	4.375E-12	6.779E-15	1.547E-15	0.	0.	0.	3.700E+03
3.546E-11	2.196E-05	2.435E-01	8.615E-12	1.842E-14	4.363E-15	0.	0.	0.	3.800E+03
7.154E-11	3.245E-05	2.422E-01	1.640E-11	4.761E-14	1.165E-14	0.	0.	0.	3.900E+03
1.390E-10	4.702E-05	2.408E-01	3.026E-11	1.175E-13	2.955E-14	0.	0.	0.	4.000E+03
2.805E-10	6.690E-05	2.392E-01	5.424E-11	2.776E-13	7.154E-14	0.	0.	0.	4.100E+03
4.739E-10	9.356E-05	2.374E-01	9.462E-11	6.303E-13	1.658E-13	0.	0.	0.	4.200E+03
8.349E-10	1.280E-04	2.354E-01	1.610E-10	1.379E-12	3.687E-13	0.	0.	0.	4.300E+03
1.429E-09	1.746E-04	2.333E-01	2.755E-10	2.914E-12	7.894E-13	0.	0.	0.	4.400E+03
2.383E-09	2.335E-04	2.310E-01	4.348E-10	5.961E-12	1.631E-12	0.	0.	0.	4.500E+03
3.872E-09	3.082E-04	2.285E-01	6.925E-10	1.183E-11	3.259E-12	0.	0.	0.	4.600E+03
6.145E-09	4.018E-04	2.258E-01	1.082E-09	2.283E-11	6.311E-12	0.	0.	0.	4.700E+03
9.536E-09	5.179E-04	2.230E-01	1.659E-09	4.290E-11	1.187E-11	0.	0.	0.	4.800E+03
1.449E-08	6.603E-04	2.201E-01	2.503E-09	7.863E-11	2.171E-11	0.	0.	0.	4.900E+03
2.157E-08	8.334E-04	2.170E-01	3.715E-09	1.408E-10	3.869E-11	0.	0.	0.	5.000E+03
4.521E-08	1.291E-03	2.105E-01	7.831E-09	4.231E-10	1.143E-10	0.	0.	0.	5.200E+03
8.847E-08	1.932E-03	2.037E-01	1.365E-08	1.178E-09	3.094E-10	0.	0.	0.	5.400E+03
1.628E-07	2.807E-03	1.966E-01	2.483E-08	3.049E-09	7.746E-10	0.	0.	0.	5.600E+03
2.832E-07	3.960E-03	1.895E-01	5.451E-08	7.429E-09	1.808E-09	0.	0.	0.	5.800E+03
4.685E-07	5.477E-03	1.825E-01	9.590E-08	1.712E-08	3.944E-09	0.	0.	0.	6.000E+03
7.408E-07	7.398E-03	1.756E-01	1.631E-07	3.750E-08	8.214E-09	3.146E-06	0.	0.	6.200E+03
1.125E-06	9.801E-03	1.688E-01	2.688E-07	7.846E-08	1.818E-08	2.513E-05	0.	0.	6.400E+03
1.640E-06	1.276E-02	1.622E-01	4.308E-07	1.574E-07	3.043E-08	1.782E-04	0.	0.	6.600E+03
2.333E-06	1.644E-02	1.559E-01	6.723E-07	3.039E-07	5.490E-08	1.132E-03	0.	0.	6.800E+03
3.212E-06	2.067E-02	1.496E-01	1.024E-06	5.881E-07	9.535E-08	6.499E-03	0.	0.	7.000E+03
4.310E-06	2.566E-02	1.434E-01	1.522E-06	1.029E-06	1.600E-07	3.398E-02	0.	0.	7.200E+03
5.652E-06	3.151E-02	1.372E-01	2.212E-06	1.750E-06	2.599E-07	1.629E-01	0.	0.	7.400E+03
7.265E-06	3.821E-02	1.305E-01	3.144E-06	3.017E-06	4.101E-07	7.199E-01	0.	0.	7.600E+03
9.172E-06	4.579E-02	1.245E-01	4.372E-06	4.971E-06	6.293E-07	2.949E-01	0.	0.	7.800E+03
1.139E-05	5.423E-02	1.179E-01	5.952E-06	7.975E-06	9.412E-07	1.125E-01	0.	0.	8.000E+03
1.395E-05	6.351E-02	1.111E-01	7.934E-06	1.247E-05	1.374E-06	4.016E-01	0.	0.	8.200E+03
1.687E-05	7.355E-02	1.042E-01	1.036E-05	1.803E-05	1.960E-06	1.364E-01	0.	0.	8.400E+03
2.016E-05	8.425E-02	9.701E-02	1.325E-05	2.837E-05	2.738E-06	4.249E-01	0.	0.	8.600E+03
2.384E-05	9.550E-02	8.972E-02	1.660E-05	4.137E-05	3.742E-06	1.289E-01	0.	0.	8.800E+03

TABLE II. - Continued

T	F-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
9.000E+03	4.124E-04	9.159E-07	5.417E-05	8.633E-03	7.099E-08	7.691E-01	3.184E-02	2.554E-05	3.403E-04
9.200E+03	5.168E-04	7.040E-07	4.706E-05	8.553E-03	6.043E-08	7.687E-01	2.768E-02	2.912E-05	4.194E-04
9.400E+03	6.419E-04	5.424E-07	4.080E-05	8.423E-03	5.109E-08	7.675E-01	2.415E-02	3.297E-05	5.126E-04
9.600E+03	7.909E-04	4.188E-07	3.529E-05	8.245E-03	4.289E-08	7.658E-01	2.116E-02	3.709E-05	6.210E-04
9.800E+03	9.657E-04	3.243E-07	3.046E-05	8.028E-03	3.577E-08	7.637E-01	1.861E-02	4.151E-05	7.464E-04
1.000E+04	1.171E-03	2.517E-07	2.629E-05	7.775E-03	2.966E-08	7.614E-01	1.644E-02	4.623E-05	8.908E-04
1.100E+04	1.406E-03	1.971E-07	2.246E-05	7.522E-03	2.470E-08	7.499E-01	1.453E-02	5.131E-05	1.074E-03
1.200E+04	1.668E-03	1.500E-07	1.901E-05	7.277E-03	2.089E-08	7.409E-01	1.282E-02	5.672E-05	1.284E-03
1.300E+04	1.957E-03	1.100E-07	1.600E-05	7.044E-03	1.780E-08	7.326E-01	1.128E-02	6.235E-05	1.518E-03
1.400E+04	2.273E-03	8.000E-08	1.350E-05	6.822E-03	1.520E-08	7.222E-01	9.900E-03	6.818E-05	1.774E-03
1.500E+04	2.617E-03	6.000E-08	1.150E-05	6.611E-03	1.300E-08	7.081E-01	8.700E-03	7.425E-05	2.054E-03
1.600E+04	2.990E-03	4.500E-08	9.900E-06	6.410E-03	1.110E-08	6.894E-01	7.700E-03	8.080E-05	2.358E-03
1.700E+04	3.393E-03	3.300E-08	8.700E-06	6.220E-03	9.500E-09	6.756E-01	6.800E-03	8.740E-05	2.680E-03
1.800E+04	3.826E-03	2.400E-08	7.800E-06	6.040E-03	8.100E-09	6.639E-01	6.000E-03	9.494E-05	3.020E-03
1.900E+04	4.289E-03	1.800E-08	7.100E-06	5.880E-03	6.900E-09	6.534E-01	5.300E-03	1.030E-04	3.370E-03
2.000E+04	4.782E-03	1.300E-08	6.500E-06	5.730E-03	5.900E-09	6.441E-01	4.700E-03	1.120E-04	3.730E-03
2.100E+04	5.305E-03	9.000E-09	6.000E-06	5.590E-03	5.000E-09	6.357E-01	4.200E-03	1.220E-04	4.100E-03
2.200E+04	5.858E-03	6.500E-09	5.500E-06	5.460E-03	4.300E-09	6.287E-01	3.800E-03	1.330E-04	4.480E-03
2.300E+04	6.441E-03	4.800E-09	5.000E-06	5.340E-03	3.700E-09	6.220E-01	3.500E-03	1.440E-04	4.870E-03
2.400E+04	7.054E-03	3.500E-09	4.600E-06	5.230E-03	3.200E-09	6.160E-01	3.200E-03	1.560E-04	5.270E-03
2.500E+04	7.697E-03	2.600E-09	4.200E-06	5.130E-03	2.800E-09	6.100E-01	2.900E-03	1.690E-04	5.680E-03
2.600E+04	8.370E-03	1.900E-09	3.900E-06	5.040E-03	2.400E-09	6.040E-01	2.600E-03	1.830E-04	6.100E-03
2.700E+04	9.073E-03	1.400E-09	3.600E-06	4.960E-03	2.100E-09	5.980E-01	2.300E-03	1.980E-04	6.530E-03
2.800E+04	9.806E-03	1.000E-09	3.300E-06	4.890E-03	1.800E-09	5.930E-01	2.000E-03	2.140E-04	6.980E-03
2.900E+04	1.0569E-02	7.500E-10	3.000E-06	4.830E-03	1.600E-09	5.880E-01	1.700E-03	2.310E-04	7.450E-03
3.000E+04	1.1342E-02	5.500E-10	2.800E-06	4.780E-03	1.400E-09	5.830E-01	1.500E-03	2.490E-04	7.940E-03
3.100E+04	1.2185E-02	4.000E-10	2.600E-06	4.740E-03	1.200E-09	5.780E-01	1.300E-03	2.680E-04	8.450E-03
3.200E+04	1.3098E-02	3.000E-10	2.400E-06	4.710E-03	1.000E-09	5.730E-01	1.100E-03	2.880E-04	8.980E-03
3.300E+04	1.4081E-02	2.200E-10	2.200E-06	4.680E-03	8.500E-10	5.680E-01	1.000E-03	3.090E-04	9.530E-03
3.400E+04	1.5134E-02	1.600E-10	2.000E-06	4.660E-03	7.500E-10	5.630E-01	9.000E-04	3.310E-04	1.010E-02
3.500E+04	1.6257E-02	1.100E-10	1.800E-06	4.640E-03	6.600E-10	5.580E-01	8.000E-04	3.540E-04	1.070E-02
3.600E+04	1.7450E-02	8.000E-11	1.700E-06	4.630E-03	5.800E-10	5.530E-01	7.200E-04	3.780E-04	1.140E-02
3.700E+04	1.8713E-02	6.000E-11	1.600E-06	4.620E-03	5.100E-10	5.480E-01	6.500E-04	4.030E-04	1.210E-02
3.800E+04	2.0046E-02	4.500E-11	1.500E-06	4.610E-03	4.500E-10	5.430E-01	5.900E-04	4.290E-04	1.290E-02
3.900E+04	2.1449E-02	3.300E-11	1.400E-06	4.600E-03	4.000E-10	5.380E-01	5.400E-04	4.560E-04	1.380E-02
4.000E+04	2.2922E-02	2.400E-11	1.300E-06	4.590E-03	3.600E-10	5.330E-01	4.900E-04	4.840E-04	1.480E-02
4.100E+04	2.4465E-02	1.800E-11	1.200E-06	4.580E-03	3.200E-10	5.280E-01	4.500E-04	5.130E-04	1.590E-02
4.200E+04	2.6078E-02	1.300E-11	1.100E-06	4.570E-03	2.900E-10	5.230E-01	4.200E-04	5.440E-04	1.710E-02
4.300E+04	2.7761E-02	1.000E-11	1.000E-06	4.560E-03	2.600E-10	5.180E-01	3.900E-04	5.770E-04	1.840E-02
4.400E+04	2.9514E-02	7.500E-12	9.500E-07	4.550E-03	2.300E-10	5.130E-01	3.600E-04	6.120E-04	1.980E-02
4.500E+04	3.1337E-02	5.500E-12	8.800E-07	4.540E-03	2.100E-10	5.080E-01	3.300E-04	6.490E-04	2.130E-02
4.600E+04	3.3240E-02	4.000E-12	8.200E-07	4.530E-03	1.900E-10	5.030E-01	3.000E-04	6.880E-04	2.290E-02
4.700E+04	3.5223E-02	3.000E-12	7.600E-07	4.520E-03	1.700E-10	4.980E-01	2.800E-04	7.290E-04	2.460E-02
4.800E+04	3.7286E-02	2.200E-12	7.100E-07	4.510E-03	1.500E-10	4.930E-01	2.600E-04	7.720E-04	2.640E-02
4.900E+04	3.9429E-02	1.600E-12	6.600E-07	4.500E-03	1.400E-10	4.880E-01	2.400E-04	8.170E-04	2.830E-02
5.000E+04	4.1652E-02	1.100E-12	6.200E-07	4.490E-03	1.300E-10	4.830E-01	2.200E-04	8.640E-04	3.030E-02

P/PD = 3.40E+02

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
5.000E+02	3.	8.476E-01	1.143E-20	2.463E-35	2.323E-28	1.250E-22	1.143E-01	1.565E-18	6.794E-22
6.000E+02	0.	6.279E-01	3.307E-17	3.351E-29	5.809E-24	1.294E-18	2.791E-01	1.372E-18	2.064E-21
7.000E+02	0.	3.769E-01	7.970E-15	7.132E-25	6.087E-21	9.146E-16	4.674E-01	1.153E-18	4.537E-21
8.000E+02	0.	1.929E-01	3.958E-13	1.105E-21	8.533E-19	1.191E-13	6.053E-01	9.896E-19	8.617E-21
9.000E+02	0.	9.465E-02	7.174E-12	3.068E-19	3.332E-17	5.087E-12	6.790E-01	8.968E-19	1.520E-20
1.000E+03	0.	4.872E-02	6.790E-11	2.649E-17	5.735E-16	1.011E-10	7.135E-01	8.451E-19	2.502E-20
1.100E+03	0.	2.715E-02	4.139E-10	9.984E-16	5.671E-15	1.165E-09	7.296E-01	8.108E-19	3.832E-20
1.200E+03	0.	1.638E-02	1.841E-09	2.039E-14	3.788E-14	8.934E-09	7.377E-01	7.828E-19	5.490E-20
1.300E+03	0.	1.041E-02	6.462E-09	2.610E-13	1.880E-13	5.021E-08	7.420E-01	7.566E-19	7.431E-20
1.400E+03	0.	7.288E-03	1.890E-08	2.316E-12	7.426E-13	2.211E-07	7.445E-01	7.308E-19	9.591E-20
1.500E+03	1.168E-34	5.260E-03	4.780E-08	1.536E-11	2.445E-12	8.007E-07	7.461E-01	7.049E-19	1.190E-19
1.600E+03	2.521E-31	3.956E-03	1.075E-07	8.034E-11	6.948E-12	2.474E-06	7.470E-01	6.791E-19	1.430E-19
1.700E+03	2.241E-28	3.080E-03	2.199E-07	3.459E-10	1.731E-11	6.708E-06	7.477E-01	6.536E-19	1.673E-19
1.800E+03	9.506E-26	2.469E-03	4.150E-07	1.266E-09	3.989E-11	1.630E-05	7.481E-01	6.282E-19	1.915E-19
1.900E+03	2.160E-23	2.028E-03	7.326E-07	4.043E-09	8.355E-11	3.613E-05	7.484E-01	6.045E-19	2.151E-19
2.000E+03	2.877E-21	1.701E-03	1.222E-06	1.150E-08	1.628E-10	7.403E-05	7.487E-01	5.839E-19	2.388E-19
2.100E+03	1.980E-19	1.453E-03	1.940E-06	2.959E-08	2.993E-10	1.419E-04	7.488E-01	6.917E-19	3.209E-19
2.200E+03	3.029E-18	1.260E-03	2.959E-06	6.991E-08	5.183E-10	2.564E-04	7.488E-01	2.487E-19	1.294E-18
2.300E+03	2.132E-17	1.108E-03	4.336E-06	1.533E-07	8.593E-10	4.406E-04	7.488E-01	1.379E-17	7.966E-18
2.400E+03	1.182E-16	9.854E-04	6.166E-06	3.147E-07	1.368E-09	7.240E-04	7.488E-01	7.944E-17	4.571E-17
2.500E+03	5.688E-16	8.853E-04	8.921E-06	6.101E-07	2.100E-09	1.144E-03	7.483E-01	3.332E-16	2.312E-16
2.600E+03	2.409E-15	8.023E-04	1.168E-05	1.124E-06	3.123E-09	1.746E-03	7.479E-01	1.377E-15	1.058E-15
2.700E+03	9.215E-15	7.327E-04	1.313E-05	1.979E-06	4.512E-09	2.583E-03	7.472E-01	5.137E-15	4.164E-15
2.800E+03	3.209E-14	6.735E-04	1.954E-05	3.343E-06	6.352E-09	3.717E-03	7.462E-01	1.747E-14	1.318E-14
2.900E+03	1.027E-13	6.224E-04	2.477E-05	5.452E-06	8.737E-09	5.217E-03	7.444E-01	9.448E-14	5.068E-14
3.000E+03	3.045E-13	5.784E-04	3.096E-05	8.999E-06	1.178E-08	7.184E-03	7.433E-01	1.586E-13	1.364E-13
3.100E+03	8.430E-13	5.395E-04	3.795E-05	1.316E-05	1.554E-08	9.623E-03	7.411E-01	4.312E-13	4.449E-13
3.200E+03	2.192E-12	5.049E-04	4.596E-05	1.961E-05	2.013E-08	1.270E-02	7.389E-01	1.101E-12	1.210E-12
3.300E+03	5.386E-12	4.738E-04	5.496E-05	2.851E-05	2.571E-08	1.647E-02	7.352E-01	2.658E-12	3.072E-12

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
2.792E-05	1.071E-01	4.237E-02	2.038E-05	5.904E-05	5.015E-04	3.594E-17	0.	0.	9.000E+03
3.241E-05	1.189E-01	7.503E-02	2.455E-05	8.254E-05	6.597E-04	9.687E-17	0.	0.	9.200E+03
3.734E-05	1.307E-01	6.779E-02	2.900E-05	1.132E-04	8.520E-04	2.491E-16	0.	0.	9.400E+03
4.270E-05	1.424E-01	6.074E-02	3.364E-05	1.523E-04	1.082E-03	6.129E-16	0.	0.	9.600E+03
4.850E-05	1.536E-01	5.402E-02	3.833E-05	2.015E-04	1.350E-03	1.444E-15	0.	0.	9.800E+03
5.475E-05	1.642E-01	4.766E-02	4.294E-05	2.620E-04	1.640E-03	3.282E-15	0.	0.	1.000E+04
9.287E-05	2.054E-01	2.322E-02	6.127E-05	7.884E-04	3.804E-03	1.188E-13	0.	0.	1.100E+04
1.420E-04	2.261E-01	1.049E-02	6.876E-05	1.820E-03	6.787E-03	2.210E-12	0.	0.	1.200E+04
2.003E-04	2.335E-01	6.809E-03	6.849E-05	3.548E-03	1.034E-04	2.549E-11	0.	0.	1.300E+04
2.641E-04	2.388E-01	2.321E-03	6.508E-05	6.170E-03	1.418E-04	2.059E-10	7.291E-29	0.	1.400E+04
3.288E-04	2.298E-01	1.184E-03	5.991E-05	9.842E-03	1.803E-04	1.259E-09	4.638E-23	0.	1.500E+04
3.888E-04	2.227E-01	6.359E-04	5.398E-05	1.474E-02	2.152E-04	6.167E-09	1.784E-21	0.	1.600E+04
4.387E-04	2.130E-01	3.538E-04	4.766E-05	2.085E-02	2.434E-04	2.514E-08	4.562E-20	0.	1.700E+04
4.739E-04	2.010E-01	2.018E-04	4.120E-05	2.810E-02	2.620E-04	8.814E-08	8.289E-19	0.	1.800E+04
4.911E-04	1.871E-01	1.149E-04	3.481E-05	3.632E-02	2.696E-04	2.716E-07	1.132E-17	0.	1.900E+04
4.895E-04	1.717E-01	6.823E-05	2.733E-05	4.522E-02	2.660E-04	7.504E-07	1.215E-16	0.	2.000E+04
4.703E-04	1.555E-01	3.985E-05	2.316E-05	5.447E-02	2.525E-04	1.888E-06	1.041E-15	0.	2.100E+04
4.364E-04	1.391E-01	2.321E-05	1.824E-05	6.369E-02	2.312E-04	4.381E-06	7.768E-15	0.	2.200E+04
3.930E-04	1.229E-01	1.345E-05	1.407E-05	7.256E-02	2.051E-04	9.472E-06	4.876E-14	C.	2.300E+04
3.461E-04	1.076E-01	7.742E-06	1.065E-05	8.080E-02	1.771E-04	1.924E-05	2.677E-13	0.	2.400E+04
2.945E-04	9.348E-02	4.442E-06	7.941E-06	8.821E-02	1.494E-04	3.708E-05	1.306E-12	C.	2.500E+04
2.473E-04	8.074E-02	2.562E-06	5.851E-06	9.469E-02	1.237E-04	6.809E-05	5.736E-12	0.	2.600E+04
2.047E-04	6.948E-02	1.473E-06	4.276E-06	1.002E-01	1.010E-04	1.199E-04	2.294E-11	0.	2.700E+04
1.679E-04	5.970E-02	8.505E-07	3.10E-06	1.049E-01	8.160E-05	2.031E-04	8.428E-11	0.	2.800E+04
1.368E-04	5.129E-02	4.943E-07	2.258E-06	1.086E-01	6.553E-05	3.329E-04	2.867E-10	0.	2.900E+04
1.113E-04	4.412E-02	2.897E-07	1.641E-06	1.177E-01	5.243E-05	5.289E-04	9.095E-10	0.	3.000E+04
9.073E-05	3.802E-02	1.716E-07	1.195E-06	1.140E-01	4.190E-05	6.173E-04	2.704E-09	0.	3.100E+04
7.423E-05	3.285E-02	1.027E-07	8.727E-07	1.157E-01	3.350E-05	1.231E-03	7.573E-09	0.	3.200E+04
6.112E-05	2.846E-02	6.215E-08	6.400E-07	1.169E-01	2.683E-05	1.809E-03	2.006E-08	0.	3.300E+04
5.072E-05	2.472E-02	3.801E-08	4.710E-07	1.175E-01	2.154E-05	2.599E-03	5.044E-08	0.	3.400E+04
4.249E-05	2.151E-02	2.348E-08	3.477E-07	1.175E-01	1.733E-05	3.655E-03	1.208E-07	0.	3.500E+04
3.595E-05	1.875E-02	1.463E-08	2.572E-07	1.170E-01	1.398E-05	5.033E-03	2.759E-07	5.944E-15	3.600E+04
3.073E-05	1.636E-02	9.180E-09	1.905E-07	1.159E-01	1.131E-05	6.792E-03	6.032E-07	2.635E-14	3.700E+04
2.654E-05	1.427E-02	5.791E-09	1.409E-07	1.142E-01	9.157E-04	8.984E-03	1.264E-06	1.080E-13	3.800E+04
2.316E-05	1.243E-02	3.666E-09	1.040E-07	1.119E-01	7.423E-04	1.165E-02	2.542E-06	4.113E-13	3.900E+04
2.040E-05	1.081E-02	2.325E-09	7.652E-08	1.089E-01	6.015E-04	1.482E-02	4.915E-06	1.460E-12	4.000E+04
1.814E-05	9.381E-03	1.474E-09	5.597E-08	1.052E-01	4.877E-04	1.850E-02	9.154E-06	4.851E-12	4.100E+04
1.626E-05	8.104E-03	9.326E-10	4.067E-08	1.010E-01	3.947E-04	2.245E-02	1.644E-05	1.513E-11	4.200E+04
1.469E-05	6.982E-03	5.883E-10	2.932E-08	9.620E-02	3.188E-04	2.724E-02	2.852E-05	4.448E-11	4.300E+04
1.336E-05	5.944E-03	3.696E-10	2.096E-08	9.096E-02	2.568E-04	3.217E-02	4.787E-05	1.236E-10	4.400E+04
1.222E-05	5.104E-03	2.311E-10	1.488E-08	8.537E-02	2.062E-04	3.736E-02	7.787E-05	3.258E-10	4.500E+04
1.123E-05	4.333E-03	1.437E-10	1.044E-08	7.955E-02	1.651E-04	4.268E-02	1.230E-04	8.170E-10	4.600E+04
1.038E-05	3.661E-03	8.846E-11	7.268E-09	7.363E-02	1.318E-04	4.803E-02	1.884E-04	1.956E-09	4.700E+04
9.621E-06	3.079E-03	5.480E-11	5.023E-09	6.774E-02	948E-04	5.329E-02	2.828E-04	4.484E-09	4.800E+04
8.950E-06	2.580E-03	3.362E-11	3.448E-09	6.197E-02	317E-07	5.836E-02	4.134E-04	9.873E-09	4.900E+04
8.350E-06	2.153E-03	2.056E-11	2.352E-09	5.642E-02	582E-07	6.315E-02	5.909E-04	2.094E-08	5.000E+04

P/PD = 3.60E02

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	3.810E-02	7.471E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	9.303E-02	1.179E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.558E-01	1.507E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.293E-30	2.018E-01	1.763E-20	0.	C.	0.	0.	0.	8.000E+02
0.	1.285E-26	2.263E-01	2.023E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.645E-24	2.378E-01	2.294E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.418E-21	2.432E-01	2.559E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.101E-19	2.459E-01	2.782E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.383E-18	2.473E-01	2.969E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.032E-16	2.482E-01	3.113E-20	8.427E-32	0.	0.	0.	0.	1.400E+03
0.	1.598E-15	2.487E-01	3.218E-20	7.510E-31	0.	0.	0.	0.	1.500E+03
3.747E-34	1.760E-14	2.490E-01	3.287E-20	5.061E-30	0.	0.	0.	0.	1.600E+03
5.643E-31	1.463E-13	2.492E-01	3.324E-20	2.710E-29	0.	0.	0.	0.	1.700E+03
3.799E-28	9.620E-13	2.494E-01	3.341E-20	1.198E-28	0.	0.	0.	0.	1.800E+03
1.298E-26	5.193E-12	2.498E-01	3.337E-20	4.508E-28	0.	0.	0.	0.	1.900E+03
2.400E-23	2.372E-11	2.496E-01	3.329E-20	1.489E-27	0.	0.	0.	0.	2.000E+03
2.359E-21	9.378E-11	2.494E-01	4.059E-20	5.338E-27	0.	0.	0.	0.	2.100E+03
4.804E-20	3.274E-10	2.497E-01	1.497E-19	5.262E-26	2.304E-27	0.	0.	0.	2.200E+03
4.382E-19	1.024E-09	2.497E-01	6.500E-19	7.331E-25	4.721E-26	C.	0.	0.	2.300E+03
3.069E-18	2.926E-09	2.497E-01	4.826E-18	8.890E-24	6.940E-25	0.	0.	0.	2.400E+03
1.814E-17	7.674E-09	2.496E-01	2.137E-17	8.949E-23	8.127E-24	0.	0.	0.	2.500E+03
9.349E-17	1.878E-08	2.494E-01	8.989E-17	7.571E-22	7.851E-23	0.	0.	0.	2.600E+03
4.255E-16	4.264E-08	2.493E-01	3.407E-16	5.481E-21	6.483E-22	0.	0.	0.	2.700E+03
1.794E-15	9.179E-08	2.494E-01	1.177E-15	3.450E-20	4.489E-21	0.	0.	0.	2.800E+03
6.419E-15	1.874E-07	2.492E-01	3.737E-15	1.917E-19	2.745E-20	0.	0.	0.	2.900E+03
2.172E-14	3.649E-07	2.489E-01	1.101E-14	9.511E-19	1.490E-19	0.	0.	0.	3.000E+03
6.789E-14	6.806E-07	2.486E-01	3.030E-14	4.263E-18	7.230E-19	0.	0.	0.	3.100E+03
1.971E-13	1.221E-06	2.483E-01	7.840E-14	1.742E-17	3.175E-18	0.	0.	0.	3.200E+03
5.357E-13	2.113E-06	2.478E-01	1.918E-13	6.548E-17	1.273E-17	0.	0.	0.	3.300E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
3.400E+03	1.256E-11	4.45E-04	6.493E-05	4.050E-05	3.229E-08	2.103E-02	7.312E-01	6.096E-12	7.390E-12
3.500E+03	2.793E-11	4.198E-04	7.584E-05	5.635E-05	3.999E-08	2.646E-02	7.265E-01	1.334E-11	1.692E-11
3.600E+03	5.946E-11	3.958E-04	8.767E-05	7.691E-05	4.885E-08	3.286E-02	7.209E-01	2.795E-11	3.703E-11
3.700E+03	1.216E-10	3.735E-04	1.003E-04	1.031E-04	5.892E-08	4.030E-02	7.143E-01	5.628E-11	7.773E-11
3.800E+03	2.399E-10	3.524E-04	1.137E-04	1.139E-04	7.029E-08	4.486E-02	7.068E-01	1.092E-10	1.570E-10
3.900E+03	4.598E-10	3.324E-04	1.277E-04	1.264E-04	8.269E-08	5.860E-02	6.983E-01	2.047E-10	3.059E-10
4.000E+03	8.423E-10	3.134E-04	1.423E-04	1.378E-04	9.632E-08	6.957E-02	6.887E-01	3.715E-10	5.768E-10
4.100E+03	1.504E-09	2.951E-04	1.571E-04	1.469E-04	1.110E-07	8.181E-02	6.779E-01	6.544E-10	1.055E-09
4.200E+03	2.618E-09	2.774E-04	1.721E-04	1.550E-04	1.267E-07	9.535E-02	6.660E-01	1.121E-09	1.874E-09
4.300E+03	4.443E-09	2.604E-04	1.871E-04	1.707E-04	1.431E-07	1.102E-01	6.530E-01	1.871E-09	3.241E-09
4.400E+03	7.359E-09	2.439E-04	2.019E-04	1.819E-04	1.602E-07	1.243E-01	6.388E-01	3.045E-09	5.468E-09
4.500E+03	1.192E-08	2.279E-04	2.163E-04	1.940E-04	1.777E-07	1.437E-01	6.235E-01	4.842E-09	9.011E-09
4.600E+03	1.890E-08	2.124E-04	2.300E-04	2.034E-04	1.959E-07	1.623E-01	6.072E-01	7.533E-09	1.453E-08
4.700E+03	2.939E-08	1.974E-04	2.430E-04	2.101E-04	2.129E-07	1.821E-01	5.898E-01	1.148E-08	2.294E-08
4.800E+03	4.485E-08	1.830E-04	2.569E-04	1.054E-03	2.301E-07	2.029E-01	5.714E-01	1.715E-08	3.552E-08
4.900E+03	6.725E-08	1.690E-04	2.657E-04	1.222E-03	2.466E-07	2.247E-01	5.522E-01	2.514E-08	5.400E-08
5.000E+03	9.918E-08	1.556E-04	2.753E-04	1.404E-03	2.624E-07	2.473E-01	5.323E-01	3.622E-08	8.069E-08
5.100E+03	2.061E-07	1.306E-04	2.899E-04	1.613E-03	2.903E-07	2.946E-01	4.906E-01	7.150E-08	1.716E-07
5.200E+03	4.049E-07	1.081E-04	2.984E-04	1.827E-03	3.122E-07	3.436E-01	4.473E-01	1.328E-07	3.447E-07
5.300E+03	7.567E-07	8.618E-05	3.005E-04	2.077E-03	3.271E-07	3.920E-01	4.035E-01	2.332E-07	6.548E-07
5.400E+03	1.352E-06	7.100E-05	2.967E-04	2.315E-03	3.347E-07	4.416E-01	3.603E-01	3.895E-07	1.187E-06
5.500E+03	2.319E-06	5.646E-05	2.876E-04	2.572E-03	3.472E-07	4.882E-01	3.186E-01	6.212E-07	1.627E-06
5.600E+03	3.835E-06	4.440E-05	2.743E-04	2.837E-03	3.591E-07	5.320E-01	2.794E-01	9.502E-07	2.443E-06
5.700E+03	6.136E-06	3.458E-05	2.578E-04	3.099E-03	3.718E-07	5.721E-01	2.431E-01	1.470E-06	3.548E-06
5.800E+03	9.528E-06	2.672E-05	2.394E-04	3.323E-03	3.823E-07	6.082E-01	2.102E-01	1.993E-06	6.655E-06
5.900E+03	1.440E-05	2.052E-05	2.199E-04	3.674E-03	3.929E-07	6.399E-01	1.809E-01	2.753E-06	1.151E-05
7.000E+03	2.123E-05	1.570E-05	2.002E-04	4.057E-03	4.037E-07	6.673E-01	1.551E-01	3.700E-06	1.934E-05
7.100E+03	3.062E-05	1.197E-05	1.809E-04	4.372E-03	4.144E-07	6.906E-01	1.326E-01	4.853E-06	2.784E-05
7.200E+03	4.328E-05	9.112E-06	1.624E-04	4.657E-03	4.249E-07	7.100E-01	1.133E-01	6.226E-06	3.920E-05
7.300E+03	6.037E-05	6.935E-06	1.456E-04	4.927E-03	4.346E-07	7.259E-01	9.673E-02	7.835E-06	5.409E-05
7.400E+03	8.198E-05	5.280E-06	1.289E-04	5.154E-03	4.443E-07	7.386E-01	8.265E-02	9.688E-06	7.324E-05
7.500E+03	1.102E-04	4.023E-06	1.142E-04	5.428E-03	4.537E-07	7.485E-01	7.071E-02	1.179E-05	9.755E-05
7.600E+03	1.461E-04	3.070E-06	1.037E-04	5.647E-03	4.633E-07	7.560E-01	6.060E-02	1.416E-05	1.279E-04
7.700E+03	1.911E-04	2.347E-06	8.862E-05	5.808E-03	4.721E-07	7.614E-01	5.207E-02	1.678E-05	1.652E-04
7.800E+03	2.471E-04	1.797E-06	7.773E-05	5.911E-03	4.803E-07	7.649E-01	4.486E-02	1.967E-05	2.107E-04
7.900E+03	3.160E-04	1.379E-06	6.799E-05	6.056E-03	4.877E-07	7.670E-01	3.876E-02	2.283E-05	2.559E-04
9.000E+03	3.999E-04	1.060E-06	5.932E-05	6.242E-03	4.942E-07	7.678E-01	3.360E-02	2.625E-05	3.309E-04
9.100E+03	5.013E-04	8.166E-07	5.162E-05	6.372E-03	5.006E-07	7.677E-01	2.923E-02	2.995E-05	4.081E-04
9.200E+03	6.227E-04	6.304E-07	4.483E-05	6.488E-03	5.066E-07	7.668E-01	2.553E-02	3.392E-05	4.966E-04
9.300E+03	7.669E-04	4.878E-07	3.885E-05	6.577E-03	5.114E-07	7.653E-01	2.237E-02	3.818E-05	6.041E-04
9.400E+03	9.369E-04	3.783E-07	3.361E-05	6.636E-03	5.160E-07	7.633E-01	1.969E-02	4.275E-05	7.263E-04
1.000E+04	1.136E-03	2.943E-07	2.903E-05	6.671E-03	5.207E-07	7.612E-01	1.739E-02	4.762E-05	8.668E-04
1.100E+04	1.407E-03	2.207E-07	2.500E-05	6.722E-03	5.254E-07	7.590E-01	1.547E-02	5.250E-05	1.021E-03
1.200E+04	1.723E-03	1.617E-07	2.163E-05	6.769E-03	5.301E-07	7.569E-01	1.389E-02	5.749E-05	1.191E-03
1.300E+04	2.099E-03	1.167E-07	1.861E-05	6.812E-03	5.348E-07	7.548E-01	1.249E-02	6.258E-05	1.374E-03
1.400E+04	2.537E-03	8.797E-08	1.654E-05	6.850E-03	5.395E-07	7.527E-01	1.124E-02	6.787E-05	1.570E-03
1.500E+04	3.039E-03	6.618E-08	1.456E-05	6.883E-03	5.442E-07	7.506E-01	1.012E-02	7.346E-05	1.779E-03
1.600E+04	3.607E-03	4.941E-08	1.264E-05	6.916E-03	5.489E-07	7.485E-01	9.029E-03	7.946E-05	2.002E-03
1.700E+04	4.244E-03	3.611E-08	1.086E-05	6.949E-03	5.536E-07	7.464E-01	8.000E-03	8.596E-05	2.246E-03
1.800E+04	4.951E-03	2.672E-08	9.301E-06	6.982E-03	5.583E-07	7.443E-01	7.090E-03	9.297E-05	2.509E-03
1.900E+04	5.729E-03	1.999E-08	7.911E-06	7.015E-03	5.630E-07	7.422E-01	6.290E-03	1.013E-04	2.792E-03
2.000E+04	6.581E-03	1.499E-08	6.711E-06	7.048E-03	5.677E-07	7.401E-01	5.590E-03	1.117E-04	3.095E-03
2.100E+04	7.501E-03	1.100E-08	5.691E-06	7.081E-03	5.724E-07	7.380E-01	4.980E-03	1.230E-04	3.408E-03
2.200E+04	8.491E-03	8.000E-09	4.811E-06	7.114E-03	5.771E-07	7.359E-01	4.460E-03	1.352E-04	3.731E-03
2.300E+04	9.551E-03	5.900E-09	4.041E-06	7.147E-03	5.818E-07	7.338E-01	3.940E-03	1.484E-04	4.064E-03
2.400E+04	1.069E-02	4.300E-09	3.361E-06	7.180E-03	5.865E-07	7.317E-01	3.420E-03	1.626E-04	4.407E-03
2.500E+04	1.199E-02	3.200E-09	2.841E-06	7.213E-03	5.912E-07	7.296E-01	2.900E-03	1.778E-04	4.760E-03
2.600E+04	1.341E-02	2.300E-09	2.421E-06	7.246E-03	5.959E-07	7.275E-01	2.380E-03	1.939E-04	5.123E-03
2.700E+04	1.495E-02	1.600E-09	2.081E-06	7.279E-03	6.006E-07	7.254E-01	1.860E-03	2.109E-04	5.496E-03
2.800E+04	1.661E-02	1.100E-09	1.801E-06	7.312E-03	6.053E-07	7.233E-01	1.340E-03	2.289E-04	5.879E-03
2.900E+04	1.839E-02	8.000E-10	1.561E-06	7.345E-03	6.100E-07	7.212E-01	8.200E-04	2.479E-04	6.272E-03
3.000E+04	2.029E-02	5.900E-10	1.361E-06	7.378E-03	6.147E-07	7.191E-01	6.600E-04	2.679E-04	6.675E-03
3.100E+04	2.231E-02	4.300E-10	1.191E-06	7.411E-03	6.194E-07	7.170E-01	5.000E-04	2.889E-04	7.098E-03
3.200E+04	2.445E-02	3.200E-10	1.041E-06	7.444E-03	6.241E-07	7.149E-01	3.400E-04	3.109E-04	7.541E-03
3.300E+04	2.671E-02	2.300E-10	9.01E-07	7.477E-03	6.288E-07	7.128E-01	2.800E-04	3.339E-04	7.994E-03
3.400E+04	2.909E-02	1.600E-10	7.81E-07	7.510E-03	6.335E-07	7.107E-01	2.200E-04	3.569E-04	8.457E-03
3.500E+04	3.159E-02	1.100E-10	6.81E-07	7.543E-03	6.382E-07	7.086E-01	1.600E-04	3.809E-04	8.930E-03
3.600E+04	3.421E-02	8.000E-11	5.91E-07	7.576E-03	6.429E-07	7.065E-01	1.000E-04	4.049E-04	9.413E-03
3.700E+04	3.695E-02	5.900E-11	5.11E-07	7.609E-03	6.476E-07	7.044E-01	4.400E-05	4.289E-04	9.906E-03
3.800E+04	3.981E-02	4.300E-11	4.41E-07	7.642E-03	6.523E-07	7.023E-01	3.800E-05	4.529E-04	1.040E-02
3.900E+04	4.279E-02	3.200E-11	3.81E-07	7.675E-03	6.570E-07	7.002E-01	3.200E-05	4.769E-04	1.092E-02
4.000E+04	4.589E-02	2.300E-11	3.31E-07	7.708E-03	6.617E-07	6.981E-01	2.600E-05	5.009E-04	1.145E-02
4.100E+04	4.911E-02	1.600E-11	2.91E-07	7.741E-03	6.664E-07	6.960E-01	2.000E-05	5.249E-04	1.200E-02
4.200E+04	5.245E-02	1.100E-11	2.61E-07	7.774E-03	6.711E-07	6.939E-01	1.400E-05	5.489E-04	1.255E-02
4.300E+04	5.591E-02	8.000E-12	2.31E-07	7.807E-03	6.758E-07	6.918E-01	8.000E-06	5.729E-04	1.310E-02
4.400E+04	5.949E-02	5.900E-12	2.11E-07	7.840E-03	6.805E-07	6.897E-01	6.400E-06	5.969E-04	1.365E-02
4.500E+04	6.319E-02	4.300E-12	1.91E-07	7.873E-03	6.852E-07	6.876E-01	4.800E-06	6.209E-04	1.420E-02
4.600E+04	6.701E-02	3.200E-12	1.71E-07	7.906E-03	6.899E-07	6.855E-01	3.200E-06	6.449E-04	1.475E-02
4.700E+04	7.095E-02	2.300E-12	1.51E-07	7.939E-03	6.946E-07	6.834E-01	2.600E-06	6.689E-04	1.530E-02
4.800E+04	7.501E-02	1.600E-12	1.31E-07	7.972E-03	6.993E-07	6.813E-01	2.000E-06	6.929E-04	1.585E-02
4.900E+04	7.919E-02	1.100E-12	1.11E-07	8.005E-03	7.040E-07	6.792E-01	1.400E-06	7.169E-04	1.640E-02
5.000E+04	8.349E-02	8.000E-13	9.1E-08	8.038E-03	7.087E-07	6.771E-01	8.000E-07	7.409E-04	1.695E-02

TABLE II.- Continued

M-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
1.370E-12	3.564E-06	2.472E-01	4.459E-13	2.280E-16	4.698E-17	0.	0.	0.	3.400E+03
3.317E-12	5.774E-06	2.465E-01	9.893E-13	7.399E-16	1.607E-16	0.	0.	0.	3.500E+03
7.628E-12	9.100E-06	2.457E-01	2.102E-12	2.253E-15	5.126E-16	0.	0.	0.	3.600E+03
1.674E-11	1.414E-05	2.448E-01	4.294E-12	6.464E-15	1.533E-15	0.	0.	0.	3.700E+03
3.516E-11	2.134E-05	2.437E-01	8.458E-12	1.757E-14	4.323E-15	0.	0.	0.	3.800E+03
7.093E-11	3.153E-05	2.424E-01	1.610E-11	4.542E-14	1.154E-14	0.	0.	0.	3.900E+03
1.379E-10	4.572E-05	2.410E-01	2.972E-11	1.121E-13	2.928E-14	0.	0.	0.	4.000E+03
2.587E-10	6.503E-05	2.395E-01	5.329E-11	2.649E-13	7.008E-14	0.	0.	0.	4.100E+03
4.700E-10	9.090E-05	2.377E-01	9.299E-11	6.016E-13	1.642E-13	0.	0.	0.	4.200E+03
8.283E-10	1.252E-04	2.358E-01	1.582E-10	1.316E-12	3.654E-13	0.	0.	0.	4.300E+03
1.419E-09	1.698E-04	2.337E-01	2.630E-10	2.782E-12	7.823E-13	0.	0.	0.	4.400E+03
2.365E-09	2.271E-04	2.314E-01	4.274E-10	5.692E-12	1.617E-12	0.	0.	0.	4.500E+03
3.846E-09	2.998E-04	2.290E-01	6.811E-10	1.130E-11	3.231E-12	0.	0.	0.	4.600E+03
6.106E-09	3.910E-04	2.264E-01	1.064E-09	2.180E-11	6.258E-12	0.	0.	0.	4.700E+03
9.481E-09	5.040E-04	2.237E-01	1.633E-09	4.097E-11	1.177E-11	0.	0.	0.	4.800E+03
1.441E-08	6.427E-04	2.208E-01	2.463E-09	7.509E-11	2.153E-11	0.	0.	0.	4.900E+03
2.147E-08	8.113E-04	2.177E-01	3.657E-09	1.349E-10	3.839E-11	0.	0.	0.	5.000E+03
4.507E-08	1.057E-03	2.113E-01	7.711E-09	4.641E-10	1.135E-10	0.	0.	0.	5.200E+03
8.835E-08	1.382E-03	2.046E-01	1.541E-08	1.123E-09	3.074E-10	0.	0.	0.	5.400E+03
1.628E-07	1.794E-03	1.976E-01	2.926E-08	2.911E-09	7.703E-10	0.	0.	0.	5.600E+03
2.899E-07	2.367E-03	1.908E-01	5.348E-08	7.099E-09	1.799E-09	0.	0.	0.	5.800E+03
4.707E-07	3.092E-03	1.836E-01	9.442E-08	1.833E-08	3.949E-09	0.	0.	0.	6.000E+03
7.458E-07	3.912E-03	1.767E-01	1.605E-07	3.376E-08	8.187E-09	2.935E-26	0.	0.	6.200E+03
1.113E-06	4.954E-03	1.699E-01	2.645E-07	7.478E-08	1.613E-08	2.342E-25	0.	0.	6.400E+03
1.664E-06	6.244E-03	1.633E-01	4.235E-07	1.500E-07	3.033E-08	1.658E-24	0.	0.	6.600E+03
2.363E-06	7.893E-03	1.569E-01	6.410E-07	2.894E-07	5.442E-08	1.052E-23	0.	0.	6.800E+03
3.259E-06	9.942E-03	1.508E-01	1.006E-06	5.388E-07	9.728E-08	4.037E-23	0.	0.	7.000E+03
4.381E-06	1.250E-02	1.444E-01	1.495E-06	9.704E-07	1.599E-07	3.154E-22	0.	0.	7.200E+03
5.754E-06	1.573E-02	1.382E-01	2.173E-06	1.694E-06	2.600E-07	1.511E-21	0.	0.	7.400E+03
7.406E-06	1.972E-02	1.320E-01	3.089E-06	2.870E-06	4.104E-07	6.676E-21	0.	0.	7.600E+03
9.360E-06	2.449E-02	1.256E-01	4.294E-06	4.729E-06	6.302E-07	2.734E-20	0.	0.	7.800E+03
1.164E-05	3.025E-02	1.190E-01	5.854E-06	7.587E-06	9.431E-07	1.043E-19	0.	0.	8.000E+03
1.427E-05	3.694E-02	1.123E-01	7.810E-06	1.187E-05	1.378E-06	3.723E-19	0.	0.	8.200E+03
1.724E-05	4.469E-02	1.054E-01	1.021E-05	1.612E-05	1.947E-06	1.248E-18	0.	0.	8.400E+03
2.046E-05	5.349E-02	9.827E-02	1.307E-05	2.703E-05	2.748E-06	3.942E-18	0.	0.	8.600E+03
2.443E-05	6.348E-02	9.104E-02	1.640E-05	3.944E-05	3.761E-06	1.178E-17	0.	0.	8.800E+03
2.887E-05	7.480E-02	8.373E-02	2.018E-05	5.633E-05	5.047E-06	3.339E-17	0.	0.	9.000E+03
3.325E-05	8.748E-02	7.642E-02	2.433E-05	7.883E-05	6.645E-06	9.008E-17	0.	0.	9.200E+03
3.811E-05	1.016E-01	6.920E-02	2.883E-05	1.082E-04	8.597E-06	2.319E-16	0.	0.	9.400E+03
4.383E-05	1.169E-01	6.217E-02	3.351E-05	1.458E-04	1.092E-05	5.711E-16	0.	0.	9.600E+03
4.980E-05	1.338E-01	5.542E-02	3.827E-05	1.930E-04	1.345E-05	1.349E-15	0.	0.	9.800E+03
5.623E-05	1.516E-01	4.902E-02	4.299E-05	2.514E-04	1.681E-05	3.065E-15	0.	0.	1.000E+04
6.344E-05	1.704E-01	4.218E-02	4.807E-05	3.207E-04	3.879E-05	1.115E-14	0.	0.	1.100E+04
7.141E-05	1.902E-01	3.582E-02	5.344E-05	4.047E-04	6.950E-05	2.082E-14	0.	0.	1.200E+04
8.013E-05	2.110E-01	2.957E-02	5.905E-05	5.093E-04	1.459E-04	1.944E-14	0.	0.	1.300E+04
8.969E-05	2.331E-01	2.341E-02	6.495E-05	6.390E-04	1.858E-04	1.190E-14	0.	0.	1.400E+04
1.001E-04	2.564E-01	1.746E-02	7.125E-05	7.957E-04	2.222E-04	5.827E-14	0.	0.	1.500E+04
1.118E-04	2.810E-01	1.190E-02	7.807E-05	9.740E-04	2.518E-04	2.378E-14	0.	0.	1.600E+04
1.250E-04	3.069E-01	6.766E-03	8.543E-05	1.180E-03	2.777E-04	8.333E-14	0.	0.	1.700E+04
1.397E-04	3.342E-01	4.270E-03	9.382E-05	1.420E-03	2.777E-04	7.598E-14	0.	0.	1.800E+04
1.559E-04	3.629E-01	2.822E-03	1.030E-04	1.700E-03	2.803E-04	2.569E-14	0.	0.	1.900E+04
1.736E-04	3.930E-01	1.822E-03	1.135E-04	2.020E-03	2.777E-04	7.101E-14	0.	0.	2.000E+04
1.928E-04	4.244E-01	1.190E-03	1.246E-04	2.380E-03	2.664E-04	1.787E-14	0.	0.	2.100E+04
2.136E-04	4.570E-01	7.807E-04	1.370E-04	2.780E-03	2.433E-04	4.148E-14	0.	0.	2.200E+04
2.359E-04	4.907E-01	5.244E-04	1.505E-04	3.220E-03	2.168E-04	8.973E-14	0.	0.	2.300E+04
2.597E-04	5.254E-01	3.582E-04	1.648E-04	3.700E-03	1.880E-04	1.625E-13	0.	0.	2.400E+04
2.850E-04	5.610E-01	2.433E-04	1.800E-04	4.220E-03	1.594E-04	3.517E-13	0.	0.	2.500E+04
3.118E-04	5.974E-01	1.648E-04	1.965E-04	4.780E-03	1.326E-04	6.459E-13	0.	0.	2.600E+04
3.401E-04	6.344E-01	1.030E-04	2.145E-04	5.380E-03	1.087E-04	1.137E-12	0.	0.	2.700E+04
3.699E-04	6.718E-01	6.766E-05	2.338E-04	6.020E-03	8.821E-05	1.928E-12	0.	0.	2.800E+04
4.012E-04	7.096E-01	4.543E-05	2.544E-04	6.700E-03	7.111E-05	3.160E-12	0.	0.	2.900E+04
4.340E-04	7.478E-01	3.025E-05	2.764E-04	7.420E-03	5.709E-05	5.022E-12	0.	0.	3.000E+04
4.683E-04	7.864E-01	1.976E-05	2.997E-04	8.180E-03	4.577E-05	7.782E-12	0.	0.	3.100E+04
5.041E-04	8.254E-01	1.307E-05	3.244E-04	9.000E-03	3.670E-05	1.169E-11	0.	0.	3.200E+04
5.414E-04	8.648E-01	8.543E-06	3.505E-04	9.870E-03	2.947E-05	1.719E-11	0.	0.	3.300E+04
5.803E-04	9.046E-01	5.543E-06	3.780E-04	1.078E-02	2.371E-05	2.470E-11	0.	0.	3.400E+04
6.207E-04	9.448E-01	3.657E-06	4.070E-04	1.174E-02	1.913E-05	3.475E-11	0.	0.	3.500E+04
6.627E-04	9.854E-01	2.433E-06	4.374E-04	1.274E-02	1.548E-05	4.788E-11	0.	0.	3.600E+04
7.062E-04	1.026E+00	1.648E-06	4.688E-04	1.378E-02	1.253E-05	6.466E-11	0.	0.	3.700E+04
7.512E-04	1.070E+00	1.030E-06	5.012E-04	1.486E-02	1.017E-05	8.961E-11	0.	0.	3.800E+04
7.977E-04	1.116E+00	6.766E-07	5.346E-04	1.598E-02	8.262E-06	1.112E-10	0.	0.	3.900E+04
8.457E-04	1.164E+00	4.543E-07	5.690E-04	1.714E-02	6.714E-06	1.512E-10	0.	0.	4.000E+04
8.952E-04	1.214E+00	3.025E-07	6.044E-04	1.834E-02	5.454E-06	1.770E-10	0.	0.	4.100E+04
9.463E-04	1.266E+00	1.976E-07	6.408E-04	1.958E-02	4.424E-06	2.172E-10	0.	0.	4.200E+04
9.990E-04	1.320E+00	1.307E-07	6.782E-04	2.086E-02	3.582E-06	2.617E-10	0.	0.	4.300E+04
1.0533E-03	1.376E+00	8.543E-08	7.166E-04	2.218E-02	2.895E-06	3.094E-10	0.	0.	4.400E+04
1.1176E-03	1.434E+00	5.543E-08	7.560E-04	2.354E-02	2.331E-06	3.606E-10	0.	0.	4.500E+04
1.1829E-03	1.494E+00	3.582E-08	7.964E-04	2.494E-02	1.848E-06	4.131E-10	0.	0.	4.600E+04
1.2492E-03	1.556E+00	2.433E-08	8.378E-04	2.638E-02	1.440E-06	4.660E-10	0.	0.	4.700E+04
1.3165E-03	1.620E+00	1.648E-08	8.802E-04	2.786E-02	1.104E-06	5.183E-10	0.	0.	4.800E+04
1.3848E-03	1.686E+00	1.030E-08	9.236E-04	2.938E-02	8.514E-07	5.699E-10	0.	0.	4.900E+04
1.4541E-03	1.754E+00	6.766E-09	9.680E-04	3.094E-02	6.478E-07	6.207E-10	0.	0.	5.000E+04

TABLE II. - Continued

P/PO = 3.00E+07

T	E-	NM3	NM2	NM1	N2M2	M	M2	M2+	M+
5.000E+02	0.	8.513E-01	1.131E-20	2.402E-35	2.334E-28	1.201E-22	1.113E-01	1.340E-10	6.709E-22
6.000E+02	0.	6.350E-01	3.293E-17	3.262E-29	5.880E-24	1.247E-18	2.733E-01	1.379E-10	2.040E-21
7.000E+02	0.	3.861E-01	8.007E-15	7.027E-25	6.236E-21	8.836E-16	4.604E-01	1.161E-10	4.400E-21
8.000E+02	0.	2.000E-01	4.013E-13	1.095E-21	8.849E-19	1.154E-13	8.000E-01	9.957E-10	8.476E-21
9.000E+02	0.	9.894E-02	7.318E-12	3.053E-19	3.484E-17	4.939E-12	6.750E-01	9.007E-10	1.490E-20
1.000E+03	0.	5.116E-02	6.950E-11	2.642E-17	6.022E-16	9.832E-11	7.116E-01	8.477E-10	2.446E-20
1.100E+03	0.	2.857E-02	4.244E-10	9.969E-16	5.968E-15	1.133E-09	7.286E-01	8.124E-10	3.742E-20
1.200E+03	0.	1.726E-02	1.889E-09	2.037E-14	3.991E-14	8.692E-09	7.371E-01	7.848E-10	5.360E-20
1.300E+03	0.	1.118E-02	6.433E-09	2.608E-13	1.982E-13	4.886E-08	7.416E-01	7.588E-10	7.256E-20
1.400E+03	0.	7.686E-03	1.940E-08	2.315E-12	7.832E-13	2.151E-07	7.442E-01	7.332E-10	9.369E-20
1.500E+03	1.102E-34	5.549E-03	4.908E-08	1.535E-11	2.579E-12	7.792E-07	7.450E-01	7.077E-10	1.163E-19
1.600E+03	2.377E-31	4.174E-03	1.105E-07	8.032E-11	7.331E-12	2.408E-06	7.469E-01	6.823E-10	1.399E-19
1.700E+03	2.111E-28	3.250E-03	2.258E-07	3.450E-10	1.847E-11	6.528E-06	7.476E-01	6.572E-10	1.630E-19
1.800E+03	8.949E-26	2.605E-03	4.263E-07	1.266E-09	4.210E-11	1.587E-05	7.480E-01	6.327E-10	1.875E-19
1.900E+03	2.032E-23	2.140E-03	7.525E-07	4.043E-09	8.817E-11	3.517E-05	7.484E-01	6.090E-10	2.100E-19
2.000E+03	2.706E-21	1.795E-03	1.255E-06	1.149E-08	1.178E-10	7.207E-05	7.486E-01	5.882E-10	2.341E-19
2.100E+03	1.879E-19	1.533E-03	1.993E-06	2.959E-08	3.149E-10	1.381E-04	7.487E-01	4.906E-10	3.119E-19
2.200E+03	2.924E-18	1.330E-03	3.035E-06	6.990E-08	5.470E-10	2.496E-04	7.488E-01	2.441E-10	1.236E-18
2.300E+03	2.064E-17	1.169E-03	4.456E-06	1.532E-07	9.070E-10	4.288E-04	7.487E-01	1.350E-10	7.590E-18
2.400E+03	1.145E-16	1.040E-03	6.355E-06	3.147E-07	1.444E-09	7.047E-04	7.486E-01	7.040E-10	4.554E-17
2.500E+03	5.485E-16	9.344E-04	8.755E-06	6.100E-07	2.217E-09	1.114E-03	7.483E-01	3.262E-10	2.203E-16
2.600E+03	2.331E-15	8.469E-04	1.180E-05	1.124E-06	3.298E-09	1.699E-03	7.479E-01	1.349E-10	9.875E-16
2.700E+03	8.912E-15	7.734E-04	1.555E-05	1.979E-06	4.762E-09	2.514E-03	7.472E-01	5.032E-10	3.970E-15
2.800E+03	3.102E-14	7.110E-04	2.008E-05	3.345E-06	8.704E-09	3.618E-03	7.463E-01	1.712E-10	1.448E-14
2.900E+03	9.924E-14	6.574E-04	2.546E-05	5.452E-06	9.224E-09	5.270E-03	7.450E-01	5.360E-10	4.836E-14
3.000E+03	2.942E-13	6.107E-04	3.175E-05	8.600E-06	1.242E-08	6.948E-03	7.434E-01	1.557E-10	1.493E-13
3.100E+03	8.143E-13	5.637E-04	3.900E-05	1.317E-05	1.640E-08	9.947E-03	7.413E-01	4.250E-10	4.290E-13
3.200E+03	2.117E-12	5.333E-04	4.748E-05	1.962E-05	2.120E-08	1.234E-02	7.387E-01	1.080E-10	1.154E-12
3.300E+03	5.200E-12	5.068E-04	5.450E-05	2.852E-05	2.715E-08	1.603E-02	7.355E-01	2.609E-10	2.950E-12
3.400E+03	1.213E-11	4.707E-04	6.474E-05	4.052E-05	3.412E-08	2.047E-02	7.317E-01	5.987E-10	7.061E-12
3.500E+03	2.694E-11	4.437E-04	7.800E-05	5.439E-05	4.270E-08	2.577E-02	7.270E-01	1.310E-11	1.617E-11
3.600E+03	5.738E-11	4.186E-04	9.018E-05	7.496E-05	5.444E-08	3.200E-02	7.216E-01	2.747E-11	3.540E-11
3.700E+03	1.173E-10	3.951E-04	1.032E-04	1.032E-04	6.230E-08	3.925E-02	7.152E-01	5.533E-11	7.343E-11
3.800E+03	2.310E-10	3.730E-04	1.171E-04	1.361E-04	7.426E-08	4.759E-02	7.079E-01	1.074E-10	1.502E-10
3.900E+03	4.396E-10	3.520E-04	1.315E-04	1.747E-04	8.711E-08	5.709E-02	6.996E-01	2.014E-10	2.927E-10
4.000E+03	8.104E-10	3.320E-04	1.466E-04	2.261E-04	1.020E-07	6.779E-02	6.902E-01	3.457E-10	5.021E-10
4.100E+03	1.450E-09	3.129E-04	1.619E-04	2.854E-04	1.176E-07	7.973E-02	6.797E-01	6.446E-10	1.010E-09
4.200E+03	2.525E-09	2.944E-04	1.775E-04	3.558E-04	1.343E-07	9.295E-02	6.681E-01	1.105E-09	1.795E-09
4.300E+03	4.284E-09	2.766E-04	1.931E-04	4.381E-04	1.519E-07	1.074E-01	6.554E-01	1.844E-09	3.105E-09
4.400E+03	7.096E-09	2.593E-04	2.085E-04	5.335E-04	1.701E-07	1.232E-01	6.415E-01	3.004E-09	5.240E-09
4.500E+03	1.149E-08	2.426E-04	2.235E-04	6.426E-04	1.888E-07	1.402E-01	6.266E-01	4.780E-09	8.638E-09
4.600E+03	1.823E-08	2.263E-04	2.379E-04	7.663E-04	2.078E-07	1.584E-01	6.106E-01	7.447E-09	1.393E-08
4.700E+03	2.814E-08	2.106E-04	2.515E-04	9.049E-04	2.266E-07	1.778E-01	5.935E-01	1.135E-08	2.209E-08
4.800E+03	4.325E-08	1.955E-04	2.642E-04	1.059E-03	2.452E-07	1.982E-01	5.755E-01	1.694E-08	3.408E-08
4.900E+03	6.486E-08	1.808E-04	2.756E-04	1.228E-03	2.632E-07	2.196E-01	5.567E-01	2.489E-08	5.331E-08
5.000E+03	9.568E-08	1.667E-04	2.858E-04	1.413E-03	2.803E-07	2.418E-01	5.371E-01	3.589E-08	7.747E-08
5.100E+03	1.489E-07	1.404E-04	3.018E-04	1.826E-03	3.110E-07	2.883E-01	4.940E-01	7.098E-08	1.649E-07
5.200E+03	3.909E-07	1.166E-04	3.114E-04	2.294E-03	3.354E-07	3.367E-01	4.533E-01	1.321E-07	3.311E-07
5.300E+03	7.308E-07	9.556E-05	3.145E-04	2.807E-03	3.526E-07	3.856E-01	4.120E-01	2.325E-07	6.302E-07
5.400E+03	1.306E-06	7.727E-05	3.114E-04	3.355E-03	3.618E-07	4.336E-01	3.671E-01	3.891E-07	1.144E-06
5.500E+03	2.242E-06	6.437E-05	3.027E-04	3.925E-03	3.635E-07	4.803E-01	3.256E-01	4.219E-07	1.988E-06
5.600E+03	3.710E-06	4.875E-05	2.896E-04	4.505E-03	3.581E-07	5.241E-01	2.843E-01	4.936E-07	3.322E-06
5.700E+03	5.439E-06	3.814E-05	2.731E-04	5.084E-03	3.448E-07	5.645E-01	2.498E-01	1.408E-06	5.358E-06
5.800E+03	9.226E-06	2.960E-05	2.562E-04	5.650E-03	3.309E-07	6.009E-01	2.166E-01	2.010E-06	8.367E-06
5.900E+03	1.395E-05	2.283E-05	2.342E-04	6.194E-03	3.117E-07	6.331E-01	1.849E-01	2.782E-06	1.269E-05
6.000E+03	2.058E-05	1.753E-05	2.137E-04	6.710E-03	2.902E-07	6.611E-01	1.606E-01	3.746E-06	1.873E-05
7.000E+03	2.964E-05	1.341E-05	1.96E-04	7.190E-03	2.675E-07	6.850E-01	1.377E-01	4.923E-06	2.688E-05
7.400E+03	4.194E-05	1.025E-05	1.742E-04	7.629E-03	2.444E-07	7.050E-01	1.179E-01	6.328E-06	3.802E-05
7.800E+03	5.824E-05	7.822E-05	1.559E-04	8.022E-03	2.215E-07	7.215E-01	1.008E-01	7.975E-06	5.274E-05
7.900E+03	7.957E-05	5.973E-05	1.389E-04	8.366E-03	1.992E-07	7.347E-01	8.632E-02	9.876E-06	7.113E-05
8.000E+03	1.070E-04	4.564E-05	1.232E-04	8.658E-03	1.779E-07	7.452E-01	7.397E-02	1.204E-05	9.478E-05
8.200E+03	1.418E-04	3.492E-05	1.040E-04	8.993E-03	1.577E-07	7.531E-01	6.349E-02	1.447E-05	1.243E-04
8.400E+03	1.856E-04	2.476E-05	9.401E-05	9.069E-03	1.389E-07	7.590E-01	5.462E-02	1.717E-05	1.607E-04
8.600E+03	2.400E-04	2.054E-05	8.436E-05	9.187E-03	1.215E-07	7.629E-01	4.710E-02	2.015E-05	2.050E-04
8.800E+03	3.070E-04	1.579E-05	7.392E-05	9.244E-03	1.054E-07	7.654E-01	4.074E-02	2.340E-05	2.584E-04
9.000E+03	3.865E-04	1.217E-05	6.460E-05	9.241E-03	9.091E-08	7.668E-01	3.335E-02	2.893E-05	3.221E-04
9.200E+03	4.870E-04	9.391E-06	5.632E-05	9.181E-03	7.742E-08	7.667E-01	3.074E-02	3.074E-05	3.744E-04
9.400E+03	6.050E-04	7.264E-06	4.898E-05	9.085E-03	6.615E-08	7.660E-01	2.889E-02	3.484E-05	4.657E-04
9.600E+03	7.491E-04	5.491E-06	4.252E-05	8.900E-03	5.584E-08	7.647E-01	2.758E-02	3.924E-05	5.886E-04
9.800E+03	9.136E-04	4.376E-06	3.634E-05	8.689E-03	4.684E-08	7.629E-01	2.676E-02	4.394E-05	7.677E-04
1.000E+04	1.104E-03	3.409E-06	3.147E-05	8.440E-03	3.945E-08	7.609E-01	1.835E-02	4.897E-05	9.488E-04
1.100E+04	2.412E-03	1.026E-07	1.538E-05	8.262E-03	1.472E-08	7.500E-01	1.050E-02	7.981E-05	1.537E-03
1.200E+04	5.374E-03	3.409E-08	7.477E-06	5.261E-03	5.350E-09	7.412E-01	6.364E-03	1.210E-04	3.492E-03
1.300E+04	9.413E-03	1.259E-08	3.820E-06	3.941E-03	1.999E-09	7.331E-01	4.385E-03	1.748E-04	6.405E-03
1.400E+04	1.678E-02	5.103E-09	2.049E-06	3.030E-03	7.971E-10	7.232E-01	3.040E-03	2.374E-04	1.106E-02
1.500E+04	2.666E-02	2.221E-09	1.164E-06	2.325E-03	3.365E-10	7.098E-01	2.198E-03	3.095E-04	1.728E-02
1.600E+04	3.937E-02	1.015E-09	6.597E-07	1.791E-03	1.442E-10	6.921E-01	1.604E-03	3.854E-04	2.358E-02
1.700E+04	5.570E-02	4.776E-10	3.814E-07	1.377E-03	6.489E-11	6.694E-01	1.180E-03	4.602E-04	3.611E-02
1.800E+04	7.564E-02	2.275E-10	2.225E-07	1.050E-03	3.048E-11	6.422E-01	8.475E-04	5.280E-04	4.891E-02
1.900E+04	9.833E-02	1.381E-10	1.289E-07	7.904E-04	1.384E-11	6.103E-01	6.338E-04	5.829E-04	6.388E-02
2.000E+04	1.239E-01	5.075E-11	7.372E-08	5.841E-04	6.190E-12	5.744E-01	4.581E-04	6.199E-04	8.074E-02

TABLE II. - Continued

P/PQ = 3.60E+02

M	N	N2	N2+	N3	N-	N++	N+++	N****	T
0.	0.	3.717E-02	7.480E-21	0.	0.	0.	0.	0.	5.300E+02
0.	0.	9.110E-02	1.185E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.539E-01	1.517E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.160E-30	2.000E-01	1.774E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.240E-26	2.253E-01	2.032E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.432E-24	2.372E-01	2.799E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.379E-21	2.429E-01	2.562E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.071E-19	2.437E-01	2.709E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.265E-18	2.472E-01	2.977E-20	0.	0.	0.	0.	0.	1.300E+03
0.	1.005E-16	2.481E-01	3.24E-20	0.	0.	0.	0.	0.	1.400E+03
0.	1.550E-15	2.486E-01	3.230E-20	0.	0.	0.	0.	0.	1.500E+03
3.629E-34	1.712E-14	2.490E-01	3.302E-20	0.	0.	0.	0.	0.	1.600E+03
5.461E-31	1.424E-13	2.492E-01	3.344E-20	0.	0.	0.	0.	0.	1.700E+03
3.674E-28	9.363E-13	2.493E-01	3.362E-20	0.	0.	0.	0.	0.	1.800E+03
1.254E-25	5.056E-12	2.495E-01	3.360E-20	0.	0.	0.	0.	0.	1.900E+03
2.396E-23	2.308E-11	2.495E-01	3.353E-20	0.	0.	0.	0.	0.	2.000E+03
2.296E-21	9.127E-11	2.496E-01	4.053E-20	0.	0.	0.	0.	0.	2.100E+03
4.765E-20	3.187E-10	2.496E-01	1.470E-19	0.	0.	0.	0.	0.	2.200E+03
4.337E-19	9.980E-10	2.497E-01	8.320E-19	0.	0.	0.	0.	0.	2.300E+03
3.052E-18	2.847E-09	2.496E-01	4.429E-18	0.	0.	0.	0.	0.	2.400E+03
1.804E-17	7.469E-09	2.496E-01	2.092E-17	0.	0.	0.	0.	0.	2.500E+03
9.293E-17	1.820E-08	2.496E-01	8.602E-17	0.	0.	0.	0.	0.	2.600E+03
4.228E-16	4.152E-08	2.495E-01	3.338E-16	0.	0.	0.	0.	0.	2.700E+03
1.725E-15	8.934E-08	2.494E-01	1.133E-15	0.	0.	0.	0.	0.	2.800E+03
6.375E-15	1.824E-07	2.492E-01	3.663E-15	0.	0.	0.	0.	0.	2.900E+03
2.157E-14	3.551E-07	2.490E-01	1.079E-14	0.	0.	0.	0.	0.	3.000E+03
6.735E-14	6.625E-07	2.487E-01	2.972E-14	0.	0.	0.	0.	0.	3.100E+03
1.954E-13	1.164E-06	2.483E-01	7.692E-14	0.	0.	0.	0.	0.	3.200E+03
5.315E-13	2.059E-06	2.478E-01	1.883E-13	0.	0.	0.	0.	0.	3.300E+03
1.360E-12	3.452E-06	2.473E-01	4.378E-13	0.	0.	0.	0.	0.	3.400E+03
3.290E-12	5.621E-06	2.466E-01	9.714E-13	0.	0.	0.	0.	0.	3.500E+03
7.566E-12	8.906E-06	2.458E-01	2.065E-12	0.	0.	0.	0.	0.	3.600E+03
1.660E-11	1.376E-05	2.449E-01	4.219E-12	0.	0.	0.	0.	0.	3.700E+03
3.487E-11	2.078E-05	2.438E-01	8.311E-12	0.	0.	0.	0.	0.	3.800E+03
7.034E-11	3.072E-05	2.426E-01	1.583E-11	0.	0.	0.	0.	0.	3.900E+03
1.367E-10	4.452E-05	2.412E-01	2.922E-11	0.	0.	0.	0.	0.	4.000E+03
2.567E-10	6.335E-05	2.397E-01	5.240E-11	0.	0.	0.	0.	0.	4.100E+03
4.664E-10	8.861E-05	2.380E-01	9.147E-11	0.	0.	0.	0.	0.	4.200E+03
8.221E-10	1.220E-04	2.361E-01	1.557E-10	0.	0.	0.	0.	0.	4.300E+03
1.408E-09	1.694E-04	2.341E-01	2.588E-10	0.	0.	0.	0.	0.	4.400E+03
2.349E-09	2.213E-04	2.319E-01	4.209E-10	0.	0.	0.	0.	0.	4.500E+03
3.821E-09	2.921E-04	2.295E-01	6.706E-10	0.	0.	0.	0.	0.	4.600E+03
6.069E-09	3.810E-04	2.269E-01	1.048E-09	0.	0.	0.	0.	0.	4.700E+03
9.428E-09	4.912E-04	2.242E-01	1.608E-09	0.	0.	0.	0.	0.	4.800E+03
1.434E-08	6.264E-04	2.214E-01	2.420E-09	0.	0.	0.	0.	0.	4.900E+03
2.130E-08	7.909E-04	2.184E-01	3.603E-09	0.	0.	0.	0.	0.	5.000E+03
3.049E-08	1.026E-03	2.121E-01	5.599E-09	0.	0.	0.	0.	0.	5.200E+03
4.211E-08	1.304E-03	2.055E-01	1.519E-08	0.	0.	0.	0.	0.	5.400E+03
5.629E-07	1.668E-03	1.986E-01	2.896E-08	0.	0.	0.	0.	0.	5.600E+03
7.309E-07	2.174E-03	1.916E-01	5.291E-08	0.	0.	0.	0.	0.	5.800E+03
9.251E-07	2.811E-03	1.846E-01	9.305E-08	0.	0.	0.	0.	0.	6.000E+03
1.144E-06	3.601E-03	1.777E-01	1.581E-07	0.	0.	0.	0.	0.	6.200E+03
1.481E-06	4.654E-03	1.710E-01	2.605E-07	0.	0.	0.	0.	0.	6.400E+03
1.931E-06	6.082E-03	1.644E-01	4.172E-07	0.	0.	0.	0.	0.	6.600E+03
2.391E-06	7.994E-03	1.579E-01	6.506E-07	0.	0.	0.	0.	0.	6.800E+03
3.035E-06	1.032E-02	1.516E-01	9.899E-07	0.	0.	0.	0.	0.	7.000E+03
3.847E-06	1.364E-02	1.456E-01	1.471E-06	0.	0.	0.	0.	0.	7.200E+03
5.850E-06	1.802E-02	1.392E-01	2.136E-06	0.	0.	0.	0.	0.	7.400E+03
7.939E-06	2.347E-02	1.330E-01	3.096E-06	0.	0.	0.	0.	0.	7.600E+03
9.340E-06	3.017E-02	1.268E-01	4.229E-06	0.	0.	0.	0.	0.	7.800E+03
1.186E-05	3.716E-02	1.201E-01	5.739E-06	0.	0.	0.	0.	0.	8.000E+03
1.457E-05	4.547E-02	1.134E-01	7.693E-06	0.	0.	0.	0.	0.	8.200E+03
1.764E-05	5.524E-02	1.064E-01	1.006E-05	0.	0.	0.	0.	0.	8.400E+03
2.111E-05	6.669E-02	9.945E-02	1.290E-05	0.	0.	0.	0.	0.	8.600E+03
2.499E-05	8.000E-02	9.227E-02	1.621E-05	0.	0.	0.	0.	0.	8.800E+03
2.936E-05	9.529E-02	8.500E-02	1.998E-05	0.	0.	0.	0.	0.	9.000E+03
3.425E-05	1.149E-01	7.734E-02	2.413E-05	0.	0.	0.	0.	0.	9.200E+03
3.925E-05	1.363E-01	7.054E-02	2.865E-05	0.	0.	0.	0.	0.	9.400E+03
4.442E-05	1.577E-01	6.391E-02	3.330E-05	0.	0.	0.	0.	0.	9.600E+03
5.004E-05	1.809E-01	5.674E-02	3.821E-05	0.	0.	0.	0.	0.	9.800E+03
5.706E-05	2.020E-01	4.931E-02	4.331E-05	0.	0.	0.	0.	0.	1.000E+04
1.500E-04	2.243E-01	4.154E-02	4.859E-05	0.	0.	0.	0.	0.	1.100E+04
2.117E-04	2.527E-01	3.339E-03	5.210E-05	0.	0.	0.	0.	0.	1.200E+04
2.796E-04	2.833E-01	2.593E-03	6.376E-05	0.	0.	0.	0.	0.	1.300E+04
3.447E-04	3.203E-01	1.931E-03	8.356E-05	0.	0.	0.	0.	0.	1.400E+04
4.132E-04	3.577E-01	1.374E-04	9.774E-05	0.	0.	0.	0.	0.	1.500E+04
4.860E-04	4.014E-01	8.014E-04	1.100E-04	0.	0.	0.	0.	0.	1.600E+04
5.670E-04	4.523E-01	2.323E-04	1.218E-04	0.	0.	0.	0.	0.	1.700E+04
5.284E-04	1.899E-01	1.364E-04	3.766E-05	0.	0.	0.	0.	0.	1.800E+04
5.295E-04	1.751E-01	7.926E-05	3.133E-05	0.	0.	0.	0.	0.	2.000E+04

TABLE II. - Continued

T	L	NM3	NM2	NM	N2M2	M	M2	M2*	M*
2.100E+04	1.513E-01	2.334E-11	4.137E-08	4.249E-04	2.711E-12	5.356E-01	3.264E-04	6.363E-04	9.913E-02
2.200E+04	1.798E-01	1.048E-11	2.273E-08	3.023E-04	1.157E-12	4.950E-01	2.790E-04	6.314E-04	1.184E-01
2.300E+04	2.085E-01	4.580E-12	1.221E-08	2.109E-04	6.810E-13	4.538E-01	1.981E-04	6.073E-04	1.384E-01
2.400E+04	2.366E-01	1.933E-12	6.431E-09	1.444E-04	1.950E-13	4.131E-01	1.075E-04	5.677E-04	1.582E-01
2.500E+04	2.634E-01	8.156E-13	3.328E-09	9.733E-05	7.747E-14	3.740E-01	7.212E-05	5.175E-04	1.774E-01
2.600E+04	2.883E-01	3.350E-13	1.699E-09	6.479E-05	3.030E-14	3.372E-01	4.787E-05	4.617E-04	1.957E-01
2.700E+04	3.112E-01	1.362E-13	8.597E-10	4.273E-05	1.174E-14	3.031E-01	3.154E-05	4.045E-04	2.127E-01
2.800E+04	3.318E-01	5.514E-14	4.333E-10	2.803E-05	4.536E-15	2.722E-01	2.069E-05	3.493E-04	2.283E-01
2.900E+04	3.501E-01	2.235E-14	2.186E-10	1.835E-05	1.758E-15	2.444E-01	1.352E-05	2.926E-04	2.451E-01
3.000E+04	3.664E-01	9.124E-15	1.107E-10	1.202E-05	6.869E-16	2.197E-01	8.889E-06	2.428E-04	2.643E-01
3.100E+04	3.807E-01	3.765E-15	5.655E-11	7.899E-06	2.717E-16	1.978E-01	5.854E-06	2.128E-04	2.843E-01
3.200E+04	3.933E-01	1.577E-15	2.918E-11	5.216E-06	1.091E-16	1.785E-01	3.877E-06	1.786E-04	3.047E-01
3.300E+04	4.044E-01	6.715E-16	1.524E-11	3.446E-06	4.462E-17	1.619E-01	2.537E-06	1.497E-04	3.249E-01
3.400E+04	4.143E-01	2.913E-16	8.071E-12	2.319E-06	1.958E-17	1.466E-01	1.741E-06	1.254E-04	3.447E-01
3.500E+04	4.230E-01	1.289E-16	4.333E-12	1.562E-06	7.885E-18	1.335E-01	1.183E-06	1.051E-04	3.641E-01
3.600E+04	4.309E-01	5.815E-17	2.359E-12	1.041E-06	3.404E-18	1.221E-01	8.117E-07	8.624E-05	3.831E-01
3.700E+04	4.381E-01	2.675E-17	1.303E-12	7.248E-07	1.499E-18	1.117E-01	5.426E-07	7.431E-05	4.016E-01
3.800E+04	4.448E-01	1.254E-17	7.285E-13	4.945E-07	6.702E-19	1.027E-01	3.940E-07	6.271E-05	4.196E-01
3.900E+04	4.510E-01	5.985E-18	4.125E-13	3.448E-07	3.635E-19	9.462E-02	2.788E-07	5.307E-05	4.370E-01
4.000E+04	4.570E-01	2.904E-18	2.362E-13	2.394E-07	1.939E-19	8.745E-02	1.993E-07	4.505E-05	4.537E-01
4.100E+04	4.627E-01	1.432E-18	1.366E-13	1.671E-07	6.475E-20	8.104E-02	1.439E-07	3.837E-05	4.701E-01
4.200E+04	4.682E-01	7.177E-19	7.974E-14	1.167E-07	3.031E-20	7.529E-02	1.049E-07	3.279E-05	4.855E-01
4.300E+04	4.734E-01	3.626E-19	4.453E-14	8.201E-08	1.429E-20	7.010E-02	7.716E-08	2.811E-05	5.007E-01
4.400E+04	4.783E-01	1.855E-19	2.742E-14	5.781E-08	6.772E-21	6.541E-02	5.728E-08	2.418E-05	5.156E-01
4.500E+04	4.829E-01	9.838E-20	1.440E-14	4.052E-08	3.225E-21	6.116E-02	4.290E-08	2.087E-05	5.303E-01
4.600E+04	4.874E-01	5.049E-20	8.964E-15	2.853E-08	1.542E-21	5.730E-02	3.240E-08	1.807E-05	5.447E-01
4.700E+04	4.918E-01	2.671E-20	4.015E-15	2.010E-08	7.394E-22	5.377E-02	2.466E-08	1.570E-05	5.590E-01
4.800E+04	4.961E-01	1.427E-20	3.651E-15	1.417E-08	3.558E-22	5.055E-02	1.892E-08	1.364E-05	5.734E-01
4.900E+04	5.003E-01	7.693E-21	2.224E-15	1.000E-08	1.718E-22	4.743E-02	1.462E-08	1.198E-05	5.875E-01
5.000E+04	5.045E-01	4.186E-21	1.368E-15	7.067E-09	8.329E-23	4.489E-02	1.138E-08	1.052E-05	6.014E-01

P/PD = 4.00E+02

T	L	NM3	NM2	NM	N2M2	M	M2	M2*	M*
5.000E+02	0.	4.548E-01	1.120E-20	2.346E-35	2.343E-26	1.157E-22	1.089E-01	1.571E-18	6.630E-22
6.000E+02	0.	6.428E-01	3.278E-17	3.217E-29	5.947E-24	1.203E-18	2.479E-01	1.385E-18	2.017E-21
7.000E+02	0.	3.949E-01	6.040E-15	6.924E-25	6.778E-21	6.550E-16	4.538E-01	1.164E-18	4.426E-21
8.000E+02	0.	2.069E-01	4.044E-13	1.084E-21	9.155E-19	1.120E-13	5.940E-01	1.002E-18	6.347E-21
9.000E+02	0.	1.032E-01	7.455E-12	3.079E-19	3.633E-17	4.803E-12	6.724E-01	9.045E-19	1.462E-20
1.000E+03	0.	5.358E-02	7.103E-11	2.635E-17	6.307E-16	9.571E-11	7.094E-01	6.502E-19	2.594E-20
1.100E+03	0.	2.999E-02	4.344E-10	4.955E-16	6.264E-15	1.103E-09	7.275E-01	6.146E-19	3.659E-20
1.200E+03	0.	1.814E-02	1.935E-09	2.036E-14	4.194E-14	6.648E-09	7.384E-01	7.887E-19	4.239E-20
1.300E+03	0.	1.176E-02	8.800E-09	2.607E-13	2.084E-13	4.781E-08	7.412E-01	7.808E-19	4.995E-20
1.400E+03	0.	8.044E-03	5.989E-08	2.315E-12	8.237E-13	2.094E-07	7.439E-01	7.355E-19	5.162E-20
1.500E+03	1.743E-34	3.838E-03	5.034E-08	1.535E-11	2.713E-13	7.546E-07	7.454E-01	7.105E-19	1.138E-19
1.600E+03	2.244E-31	4.392E-03	1.133E-07	8.030E-11	2.714E-12	2.347E-06	7.467E-01	6.852E-19	1.364E-19
1.700E+03	1.995E-28	3.420E-03	2.716E-07	3.458E-10	1.944E-11	6.342E-06	7.474E-01	6.607E-19	1.604E-19
1.800E+03	8.452E-26	2.742E-03	6.973E-07	1.264E-09	4.630E-11	1.546E-05	7.479E-01	6.363E-19	1.838E-19
1.900E+03	1.916E-23	2.252E-03	7.720E-07	4.024E-09	9.279E-11	3.428E-04	7.483E-01	6.124E-19	2.068E-19
2.000E+03	1.916E-21	1.890E-03	1.287E-06	1.149E-08	1.808E-10	7.025E-05	7.485E-01	5.922E-19	2.298E-19
2.100E+03	1.747E-19	1.404E-03	2.045E-06	2.954E-08	3.314E-10	1.346E-04	7.487E-01	6.691E-19	3.074E-19
2.200E+03	2.427E-18	1.000E-03	3.114E-06	4.994E-08	5.757E-10	2.433E-04	7.487E-01	6.891E-19	1.184E-18
2.300E+03	2.001E-17	1.231E-03	4.572E-06	1.532E-07	2.546E-10	4.180E-04	7.487E-01	1.323E-17	7.248E-18
2.400E+03	1.110E-16	1.095E-03	6.499E-06	3.147E-07	1.520E-09	6.889E-04	7.486E-01	4.897E-17	4.154E-17
2.500E+03	5.317E-16	9.835E-04	8.947E-06	4.100E-07	2.373E-09	1.085E-03	7.483E-01	3.197E-16	2.104E-16
2.600E+03	2.259E-15	4.114E-04	1.210E-05	1.124E-06	3.400E-09	1.656E-03	7.479E-01	1.372E-15	9.435E-16
2.700E+03	8.633E-15	8.142E-04	1.595E-05	1.979E-06	5.013E-09	2.451E-03	7.472E-01	4.934E-15	3.784E-15
2.800E+03	3.003E-14	7.485E-04	2.040E-05	3.345E-06	7.059E-09	3.527E-03	7.463E-01	1.879E-14	1.594E-14
2.900E+03	9.613E-14	4.921E-04	2.612E-05	5.453E-06	9.711E-09	4.950E-03	7.451E-01	5.259E-14	4.624E-14
3.000E+03	2.844E-13	6.431E-04	3.258E-05	6.601E-06	1.308E-08	6.792E-03	7.434E-01	1.579E-13	1.624E-13
3.100E+03	7.881E-13	6.090E-04	4.032E-05	1.317E-05	1.727E-08	9.131E-03	7.415E-01	4.153E-13	4.105E-13
3.200E+03	2.049E-12	5.617E-04	4.849E-05	1.962E-05	2.241E-08	1.205E-02	7.390E-01	1.041E-12	1.104E-12
3.300E+03	5.030E-12	5.273E-04	5.800E-05	2.653E-05	2.640E-08	1.563E-02	7.359E-01	2.564E-12	2.809E-12
3.400E+03	1.173E-11	4.962E-04	6.854E-05	4.054E-05	3.594E-08	1.994E-02	7.321E-01	5.884E-12	6.762E-12
3.500E+03	2.607E-11	4.677E-04	8.010E-05	5.641E-05	4.453E-08	2.512E-02	7.276E-01	1.280E-11	1.549E-11
3.600E+03	5.547E-11	4.413E-04	9.262E-05	7.701E-05	5.443E-08	3.120E-02	7.223E-01	2.702E-11	3.393E-11
3.700E+03	1.134E-10	4.167E-04	1.061E-04	1.035E-04	6.568E-08	3.828E-02	7.161E-01	5.444E-11	7.175E-11
3.800E+03	2.233E-10	3.936E-04	1.273E-04	1.362E-04	7.833E-08	4.642E-02	7.089E-01	1.057E-10	1.640E-10
3.900E+03	4.246E-10	3.716E-04	1.527E-04	1.749E-04	9.234E-08	5.549E-02	7.008E-01	1.983E-10	2.807E-10
4.000E+03	7.031E-10	3.507E-04	1.807E-04	2.244E-04	1.077E-07	6.614E-02	6.916E-01	3.603E-10	5.294E-10
4.100E+03	1.401E-09	3.307E-04	1.664E-04	2.855E-04	1.243E-07	7.781E-02	6.814E-01	6.354E-10	9.680E-10
4.200E+03	2.639E-09	3.114E-04	1.828E-04	3.565E-04	1.470E-07	9.073E-02	6.701E-01	1.089E-09	1.372E-09
4.300E+03	4.139E-09	2.928E-04	1.989E-04	4.392E-04	1.804E-07	1.049E-01	6.576E-01	1.820E-09	2.987E-09
4.400E+03	6.459E-09	2.748E-04	2.149E-04	5.349E-04	2.300E-07	1.203E-01	6.440E-01	2.964E-09	5.037E-09
4.500E+03	1.013E-08	2.573E-04	2.305E-04	6.446E-04	2.800E-07	1.370E-01	6.294E-01	4.727E-09	6.247E-09
4.600E+03	1.761E-08	2.403E-04	2.456E-04	7.690E-04	3.202E-07	1.548E-01	6.137E-01	7.355E-09	8.358E-09
4.700E+03	2.738E-08	2.239E-04	2.599E-04	9.084E-04	3.605E-07	1.738E-01	5.970E-01	1.122E-08	2.115E-08
4.800E+03	4.179E-08	2.081E-04	2.731E-04	1.064E-03	4.005E-07	1.938E-01	5.794E-01	1.679E-08	3.277E-08

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

TABLE II. - Continued

N-	N	N2	N2+	N+	N-	N++	N+++	N++++	T
5.110E-04	1.594E-01	4.679E-05	2.544E-05	5.227E-02	2.764E-04	1.696E-06	8.927E-14	0.	2.100E+04
4.784E-04	1.434E-01	2.757E-05	2.024E-05	6.132E-02	2.522E-04	3.939E-06	4.523E-13	0.	2.200E+04
4.337E-04	1.275E-01	1.617E-05	1.976E-05	7.011E-02	2.284E-04	6.525E-06	4.080E-14	0.	2.300E+04
3.827E-04	1.123E-01	9.449E-06	1.205E-05	7.834E-02	1.989E-04	1.739E-05	2.240E-13	0.	2.400E+04
3.301E-04	9.810E-02	5.501E-06	9.070E-06	8.593E-02	1.693E-04	3.343E-05	1.091E-12	0.	2.500E+04
2.794E-04	8.532E-02	3.178E-06	4.747E-06	9.244E-02	1.414E-04	6.144E-05	4.782E-12	0.	2.600E+04
2.331E-04	7.386E-02	1.860E-06	4.976E-06	9.819E-02	1.165E-04	1.082E-04	1.999E-11	0.	2.700E+04
1.925E-04	6.381E-02	1.080E-06	3.651E-06	1.070E-01	9.480E-05	1.635E-04	6.999E-11	0.	2.800E+04
1.580E-04	5.510E-02	6.376E-07	2.672E-06	1.070E-01	7.675E-05	3.008E-04	2.377E-10	0.	2.900E+04
1.294E-04	4.762E-02	3.773E-07	1.955E-06	1.103E-01	6.183E-05	4.782E-04	1.525E-10	0.	3.000E+04
1.061E-04	4.121E-02	2.253E-07	1.433E-06	1.129E-01	4.972E-05	7.392E-04	2.234E-09	0.	3.100E+04
8.726E-05	3.575E-02	1.359E-07	1.053E-06	1.146E-01	3.990E-05	1.113E-03	6.248E-09	0.	3.200E+04
7.220E-05	3.100E-02	8.203E-08	7.766E-07	1.162E-01	3.210E-05	1.637E-03	1.653E-08	0.	3.300E+04
6.019E-05	2.704E-02	5.101E-08	5.744E-07	1.170E-01	2.595E-05	2.354E-03	4.153E-08	0.	3.400E+04
4.962E-05	2.363E-02	3.171E-08	4.264E-07	1.173E-01	2.090E-05	3.313E-03	9.939E-08	0.	3.500E+04
4.297E-05	2.060E-02	1.980E-08	3.171E-07	1.170E-01	1.700E-05	4.567E-03	2.271E-07	4.438E-15	3.600E+04
3.685E-05	1.809E-02	1.256E-08	2.361E-07	1.162E-01	1.380E-05	6.171E-03	4.967E-07	1.964E-14	3.700E+04
3.192E-05	1.564E-02	7.974E-09	1.757E-07	1.146E-01	1.122E-05	8.178E-03	1.042E-06	8.062E-14	3.800E+04
2.742E-05	1.383E-02	5.084E-09	1.306E-07	1.124E-01	9.137E-06	1.063E-02	2.090E-06	3.073E-13	3.900E+04
2.465E-05	1.209E-02	3.246E-09	9.671E-08	1.101E-01	7.440E-06	1.356E-02	4.067E-06	1.093E-12	4.000E+04
2.194E-05	1.053E-02	2.076E-09	7.129E-08	1.068E-01	6.057E-06	1.698E-02	7.595E-06	3.639E-12	4.100E+04
1.972E-05	9.143E-03	1.326E-09	5.224E-08	1.029E-01	4.975E-06	2.087E-02	1.369E-05	1.139E-11	4.200E+04
1.764E-05	7.911E-03	8.442E-10	3.801E-08	9.840E-02	3.990E-06	2.519E-02	2.383E-05	3.358E-11	4.300E+04
1.625E-05	6.814E-03	5.357E-10	2.744E-08	9.355E-02	3.237E-06	2.989E-02	4.016E-05	9.364E-11	4.400E+04
1.488E-05	5.864E-03	3.385E-10	1.965E-08	8.824E-02	2.615E-06	3.486E-02	6.561E-05	2.478E-10	4.500E+04
1.370E-05	4.986E-03	2.120E-10	1.395E-08	8.265E-02	2.105E-06	4.002E-02	1.041E-04	6.742E-10	4.600E+04
1.267E-05	4.237E-03	1.332E-10	9.820E-09	7.690E-02	1.690E-06	4.524E-02	1.606E-04	1.011E-09	4.700E+04
1.176E-05	3.584E-03	8.297E-11	6.860E-09	7.112E-02	1.353E-06	5.046E-02	2.416E-04	3.459E-09	4.800E+04
1.096E-05	3.019E-03	5.147E-11	4.754E-09	6.549E-02	1.079E-06	5.553E-02	3.347E-04	7.639E-09	4.900E+04
1.023E-05	2.534E-03	3.182E-11	3.281E-09	5.984E-02	8.591E-07	6.038E-02	5.093E-04	1.626E-08	5.000E+04

F/PD = 6.00E+02

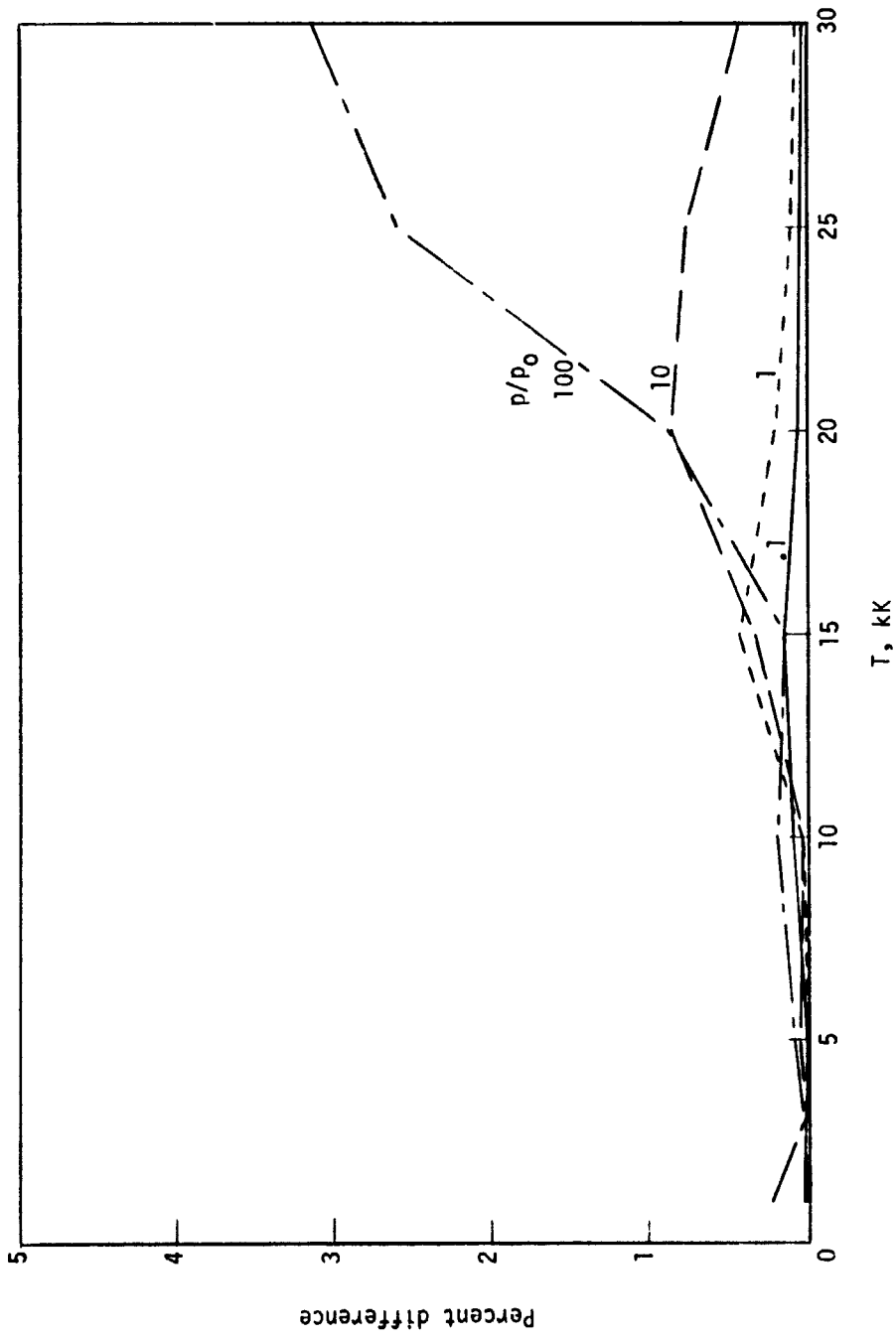
T	N	N2	N2+	N+	N-	N++	N+++	N++++	T
0.	0.	3.630E-02	7.501E-21	0.	0.	0.	0.	0.	5.000E+02
0.	0.	8.424E-02	1.190E-20	0.	0.	0.	0.	0.	6.000E+02
0.	0.	1.513E-01	1.527E-20	0.	0.	0.	0.	0.	7.000E+02
0.	4.037E-30	1.983E-01	1.786E-20	0.	0.	0.	0.	0.	8.000E+02
0.	1.213E-26	2.242E-01	2.040E-20	0.	0.	0.	0.	0.	9.000E+02
0.	7.235E-24	2.364E-01	2.305E-20	0.	0.	0.	0.	0.	1.000E+03
0.	1.343E-21	2.425E-01	2.548E-20	0.	0.	0.	0.	0.	1.100E+03
0.	1.064E-19	2.455E-01	2.796E-20	0.	0.	0.	0.	0.	1.200E+03
0.	4.153E-18	2.471E-01	2.985E-20	0.	0.	0.	0.	0.	1.300E+03
0.	9.790E-17	2.480E-01	3.133E-20	0.050E-3.	0.	0.	0.	0.	1.400E+03
0.	1.516E-15	2.485E-01	3.243E-20	7.181E-31	0.	0.	0.	0.	1.500E+03
3.520E-34	1.669E-14	2.489E-01	3.317E-20	4.864E-30	0.	0.	0.	0.	1.600E+03
5.295E-31	1.787E-13	2.491E-01	3.361E-20	2.598E-28	0.	0.	0.	0.	1.700E+03
3.560E-28	9.123E-13	2.493E-01	3.381E-20	1.150E-26	0.	0.	0.	0.	1.800E+03
1.216E-25	4.927E-12	2.494E-01	3.381E-20	4.334E-24	0.	0.	0.	0.	1.900E+03
2.319E-23	2.250E-11	2.495E-01	3.376E-20	1.429E-22	0.	0.	0.	0.	2.000E+03
2.240E-21	8.896E-11	2.496E-01	4.046E-20	5.053E-20	4.429E-20	0.	0.	0.	2.100E+03
4.716E-20	3.106E-10	2.496E-01	1.444E-19	6.815E-26	2.267E-27	0.	0.	0.	2.200E+03
4.334E-18	9.737E-10	2.496E-01	6.137E-19	6.670E-25	4.647E-26	0.	0.	0.	2.300E+03
3.036E-18	2.775E-09	2.496E-01	4.339E-18	6.086E-24	6.867E-25	0.	0.	0.	2.400E+03
1.796E-17	7.280E-09	2.496E-01	2.050E-17	6.164E-23	0.036E-24	0.	0.	0.	2.500E+03
9.240E-17	1.774E-08	2.496E-01	6.628E-17	6.895E-22	7.754E-23	0.	0.	0.	2.600E+03
6.203E-16	4.067E-08	2.495E-01	3.273E-16	6.994E-21	6.324E-22	0.	0.	0.	2.700E+03
1.714E-15	8.708E-08	2.496E-01	1.131E-15	3.166E-20	4.631E-21	0.	0.	0.	2.800E+03
6.333E-15	1.770E-07	2.492E-01	3.596E-15	1.746E-19	2.712E-20	0.	0.	0.	2.900E+03
2.142E-14	3.661E-07	2.490E-01	1.059E-14	6.687E-19	1.444E-19	0.	0.	0.	3.000E+03
6.880E-14	6.457E-07	2.487E-01	2.917E-14	3.894E-18	7.126E-19	0.	0.	0.	3.100E+03
1.942E-13	1.159E-06	2.483E-01	7.554E-14	1.592E-17	3.128E-18	0.	0.	0.	3.200E+03
5.276E-13	2.007E-06	2.479E-01	1.864E-13	5.987E-17	1.254E-17	0.	0.	0.	3.300E+03
1.349E-12	3.363E-06	2.473E-01	4.301E-13	2.005E-16	4.625E-17	0.	0.	0.	3.400E+03
3.265E-12	5.479E-06	2.467E-01	9.546E-13	6.771E-16	1.561E-16	0.	0.	0.	3.500E+03
7.580E-12	6.682E-06	2.459E-01	2.030E-12	2.067E-15	5.042E-16	0.	0.	0.	3.600E+03
1.647E-11	1.362E-05	2.450E-01	4.148E-12	5.921E-15	1.508E-15	0.	0.	0.	3.700E+03
3.680E-11	2.620E-05	2.440E-01	6.174E-12	1.610E-14	4.251E-15	0.	0.	0.	3.800E+03
6.982E-11	2.999E-05	2.428E-01	1.557E-11	4.163E-14	1.135E-14	0.	0.	0.	3.900E+03
1.357E-10	4.341E-05	2.416E-01	2.076E-11	1.028E-13	2.879E-14	0.	0.	0.	4.000E+03
2.340E-10	6.178E-05	2.399E-01	5.159E-11	2.475E-13	6.969E-14	0.	0.	0.	4.100E+03
4.380E-10	8.662E-05	2.383E-01	9.004E-11	5.533E-13	1.615E-13	0.	0.	0.	4.200E+03
8.180E-10	1.190E-04	2.366E-01	1.533E-10	1.200E-12	3.593E-13	0.	0.	0.	4.300E+03
1.390E-09	1.614E-04	2.348E-01	2.544E-10	2.544E-12	7.496E-13	0.	0.	0.	4.400E+03
2.334E-09	2.159E-04	2.328E-01	4.164E-10	9.226E-12	1.590E-12	0.	0.	0.	4.500E+03
3.797E-09	2.859E-04	2.309E-01	6.607E-10	1.070E-11	3.174E-12	0.	0.	0.	4.600E+03
6.034E-09	3.717E-04	2.276E-01	1.033E-09	2.062E-11	6.168E-12	0.	0.	0.	4.700E+03
9.177E-09	4.793E-04	2.240E-01	1.595E-09	3.763E-11	1.159E-11	0.	0.	0.	4.800E+03

TABLE II.- Continued

T	E-	NH3	NH2	NH	N2H2	H	H2	H2+	H+
4.900E+03	6.268E-08	1.927E-04	2.853E-04	1.235E-03	2.799E-07	2.148E-01	9.609E-01	2.446E-08	4.985E-08
5.000E+03	9.247E-08	1.780E-04	2.941E-04	1.421E-03	2.984E-07	2.387E-01	5.416E-01	3.957E-08	1.454E-08
5.200E+03	1.922E-07	1.503E-04	3.133E-04	1.839E-03	3.319E-07	2.825E-01	5.011E-01	7.048E-08	1.588E-07
5.400E+03	3.780E-07	1.253E-04	3.241E-04	2.313E-03	3.589E-07	3.302E-01	4.990E-01	1.314E-07	3.190E-07
5.600E+03	7.072E-07	1.031E-04	3.282E-04	2.834E-03	3.783E-07	3.786E-01	4.161E-01	2.317E-07	6.077E-07
5.800E+03	1.264E-06	8.368E-05	3.258E-04	3.392E-03	3.894E-07	4.265E-01	3.735E-01	3.885E-07	1.104E-06
6.000E+03	2.171E-06	6.711E-05	3.177E-04	3.975E-03	3.923E-07	4.729E-01	3.321E-01	6.274E-07	1.920E-06
6.200E+03	3.594E-06	5.324E-05	3.048E-04	4.569E-03	3.877E-07	5.167E-01	2.928E-01	9.505E-07	3.211E-06
6.400E+03	5.756E-06	4.162E-05	2.882E-04	5.163E-03	3.768E-07	5.572E-01	2.562E-01	1.415E-06	5.184E-06
6.600E+03	8.947E-06	3.259E-05	2.690E-04	5.768E-03	3.604E-07	5.939E-01	2.224E-01	2.025E-06	8.101E-06
6.800E+03	1.353E-05	2.523E-05	2.485E-04	6.309E-03	3.403E-07	6.266E-01	1.927E-01	2.800E-06	1.229E-05
7.000E+03	1.998E-05	1.944E-05	2.274E-04	6.843E-03	3.177E-07	6.551E-01	1.660E-01	3.789E-06	1.616E-05
7.200E+03	2.884E-05	1.493E-05	2.044E-04	7.341E-03	2.934E-07	6.795E-01	1.424E-01	4.988E-06	2.618E-05
7.400E+03	4.079E-05	1.144E-05	1.841E-04	7.799E-03	2.688E-07	7.001E-01	1.223E-01	6.423E-06	3.992E-05
7.600E+03	5.684E-05	8.763E-06	1.649E-04	8.210E-03	2.442E-07	7.171E-01	1.049E-01	8.108E-06	5.100E-05
7.800E+03	7.739E-05	6.710E-06	1.490E-04	8.572E-03	2.201E-07	7.309E-01	8.992E-02	1.006E-05	6.914E-05
8.000E+03	1.040E-04	5.141E-06	1.324E-04	8.879E-03	1.970E-07	7.419E-01	7.717E-02	1.227E-05	9.219E-05
8.200E+03	1.379E-04	3.943E-06	1.173E-04	9.130E-03	1.750E-07	7.503E-01	6.633E-02	1.477E-05	1.210E-04
8.400E+03	1.805E-04	3.028E-06	1.036E-04	9.322E-03	1.545E-07	7.564E-01	5.713E-02	1.755E-05	1.585E-04
8.600E+03	2.355E-04	2.329E-06	9.114E-05	9.453E-03	1.354E-07	7.610E-01	4.932E-02	2.061E-05	1.997E-04
8.800E+03	2.966E-04	1.795E-06	7.999E-05	9.523E-03	1.178E-07	7.638E-01	4.270E-02	2.395E-05	2.418E-04
9.000E+03	3.780E-04	1.384E-06	7.002E-05	9.532E-03	1.018E-07	7.652E-01	3.708E-02	2.759E-05	2.840E-04
9.200E+03	4.738E-04	1.072E-06	6.111E-05	9.481E-03	8.736E-08	7.658E-01	3.231E-02	3.151E-05	3.275E-04
9.400E+03	5.884E-04	8.305E-07	5.326E-05	9.374E-03	7.445E-08	7.652E-01	2.825E-02	3.574E-05	3.767E-04
9.600E+03	7.250E-04	6.450E-07	4.630E-05	9.215E-03	6.301E-08	7.641E-01	2.478E-02	4.026E-05	4.247E-04
9.800E+03	8.894E-04	5.021E-07	4.018E-05	9.008E-03	5.299E-08	7.625E-01	2.183E-02	4.511E-05	4.805E-04
1.000E+04	1.074E-03	3.918E-07	3.481E-05	8.761E-03	4.430E-08	7.606E-01	1.930E-02	5.028E-05	5.243E-04
1.100E+04	1.254E-03	1.187E-07	1.682E-05	8.189E-03	3.690E-08	7.500E-01	1.710E-02	5.177E-05	5.277E-04
1.200E+04	1.523E-03	3.961E-08	3.252E-06	5.516E-03	6.167E-09	7.412E-01	6.913E-03	1.242E-04	3.401E-03
1.300E+04	1.654E-03	1.467E-08	6.228E-06	4.186E-03	2.325E-09	7.335E-01	4.186E-03	1.787E-04	6.474E-03
1.400E+04	1.635E-02	5.961E-09	2.273E-06	3.191E-03	9.373E-10	7.236E-01	3.225E-03	2.441E-04	1.079E-02
1.500E+04	2.540E-02	1.271E-06	1.271E-06	2.452E-03	3.940E-10	7.106E-01	2.318E-03	1.881E-04	1.689E-02
1.600E+04	3.840E-02	1.192E-09	7.308E-07	1.892E-02	1.741E-11	6.933E-01	1.695E-03	3.485E-04	2.494E-02
1.700E+04	5.436E-02	5.633E-10	6.262E-07	1.458E-02	7.895E-11	6.714E-01	1.249E-03	6.741E-04	3.524E-02
1.800E+04	7.388E-02	2.695E-10	2.495E-07	1.115E-02	3.614E-11	6.464E-01	9.730E-04	4.447E-04	4.774E-02
1.900E+04	9.610E-02	1.289E-10	1.453E-07	8.418E-04	1.652E-11	6.133E-01	6.739E-04	6.246E-04	6.246E-02
2.000E+04	1.212E-01	6.089E-11	8.367E-08	6.253E-04	7.442E-12	5.782E-01	4.885E-04	6.420E-04	7.895E-02
2.100E+04	1.481E-01	2.822E-11	4.712E-08	4.559E-04	3.793E-12	5.400E-01	3.493E-04	6.806E-04	9.700E-02
2.200E+04	1.762E-01	1.277E-11	2.405E-08	3.259E-04	1.615E-12	5.001E-01	2.440E-04	6.747E-04	1.161E-01
2.300E+04	2.068E-01	5.433E-12	1.410E-08	2.284E-04	5.939E-13	4.594E-01	1.705E-04	6.362E-04	1.357E-01
2.400E+04	2.324E-01	2.425E-12	7.477E-09	1.572E-04	2.433E-13	4.191E-01	1.165E-04	5.468E-04	1.542E-01
2.500E+04	2.591E-01	1.023E-12	3.897E-09	1.065E-04	9.762E-14	3.803E-01	7.851E-05	5.460E-04	1.762E-01
2.600E+04	2.840E-01	6.262E-13	2.004E-09	7.125E-05	3.485E-14	3.437E-01	5.234E-05	6.870E-04	1.924E-01
2.700E+04	3.068E-01	1.741E-13	1.022E-09	4.723E-05	1.510E-14	3.087E-01	3.445E-05	6.281E-04	2.033E-01
2.800E+04	3.275E-01	7.112E-14	5.186E-10	3.113E-05	5.869E-15	2.787E-01	2.283E-05	3.709E-04	2.140E-01
2.900E+04	3.460E-01	2.409E-14	2.433E-10	2.047E-05	2.333E-15	2.508E-01	1.502E-05	3.177E-04	2.391E-01
3.000E+04	3.625E-01	1.147E-14	1.362E-10	1.347E-05	9.072E-16	2.258E-01	9.490E-06	2.699E-04	2.618E-01
3.100E+04	3.770E-01	4.477E-15	6.843E-11	8.882E-06	3.614E-16	2.037E-01	6.537E-06	2.297E-04	2.832E-01
3.200E+04	3.898E-01	2.398E-15	3.576E-11	5.486E-06	1.463E-16	1.861E-01	4.344E-06	1.914E-04	2.732E-01
3.300E+04	4.011E-01	8.493E-16	1.477E-11	3.427E-06	6.014E-17	1.689E-01	2.908E-06	1.611E-04	2.420E-01
3.400E+04	4.114E-01	3.925E-16	6.981E-12	2.463E-06	2.521E-17	1.517E-01	1.953E-06	1.353E-04	2.098E-01
3.500E+04	4.200E-01	1.746E-16	5.481E-12	1.779E-06	1.076E-17	1.363E-01	1.337E-06	1.137E-04	2.045E-01
3.600E+04	4.281E-01	7.415E-17	2.941E-12	1.211E-06	4.675E-18	1.265E-01	9.194E-07	9.563E-05	3.023E-01
3.700E+04	4.354E-01	3.658E-17	1.629E-12	8.295E-07	2.067E-18	1.180E-01	6.386E-07	8.063E-05	3.073E-01
3.800E+04	4.422E-01	1.723E-17	9.145E-13	5.717E-07	9.284E-19	1.067E-01	4.481E-07	6.815E-05	3.115E-01
3.900E+04	4.486E-01	4.255E-18	5.195E-13	3.465E-07	4.232E-19	9.844E-02	3.176E-07	5.774E-05	3.110E-01
4.000E+04	4.548E-01	1.233E-18	2.984E-13	2.762E-07	1.453E-19	9.195E-02	2.274E-07	4.613E-05	3.174E-01
4.100E+04	4.604E-01	1.441E-18	1.732E-13	1.932E-07	9.111E-20	8.444E-02	1.644E-07	4.111E-05	3.202E-01
4.200E+04	4.654E-01	4.492E-19	1.014E-13	1.355E-07	4.286E-20	7.649E-02	1.200E-07	3.511E-05	3.200E-01
4.300E+04	4.714E-01	5.042E-19	5.940E-14	9.531E-08	2.031E-20	7.313E-02	8.440E-08	3.073E-05	3.233E-01
4.400E+04	4.767E-01	2.614E-19	3.563E-14	6.715E-08	9.644E-21	6.828E-02	6.828E-08	2.644E-05	3.247E-01
4.500E+04	4.819E-01	1.361E-19	2.133E-14	4.731E-08	4.638E-21	6.388E-02	4.926E-08	2.286E-05	3.249E-01
4.600E+04	4.869E-01	7.160E-20	1.285E-14	3.444E-08	2.230E-21	5.947E-02	3.723E-08	1.981E-05	3.249E-01
4.700E+04	4.918E-01	3.833E-20	7.783E-15	2.363E-08	1.076E-21	5.621E-02	2.837E-08	1.723E-05	3.249E-01
4.800E+04	4.966E-01	2.039E-20	4.642E-15	1.671E-08	5.204E-22	5.287E-02	2.178E-08	1.403E-05	3.249E-01
4.900E+04	5.009E-01	1.103E-20	2.402E-15	1.183E-08	2.530E-22	4.940E-02	1.609E-08	1.131E-05	3.249E-01
5.000E+04	5.054E-01	6.026E-21	1.767E-15	8.387E-09	1.233E-22	4.608E-02	1.112E-08	1.054E-05	3.249E-01

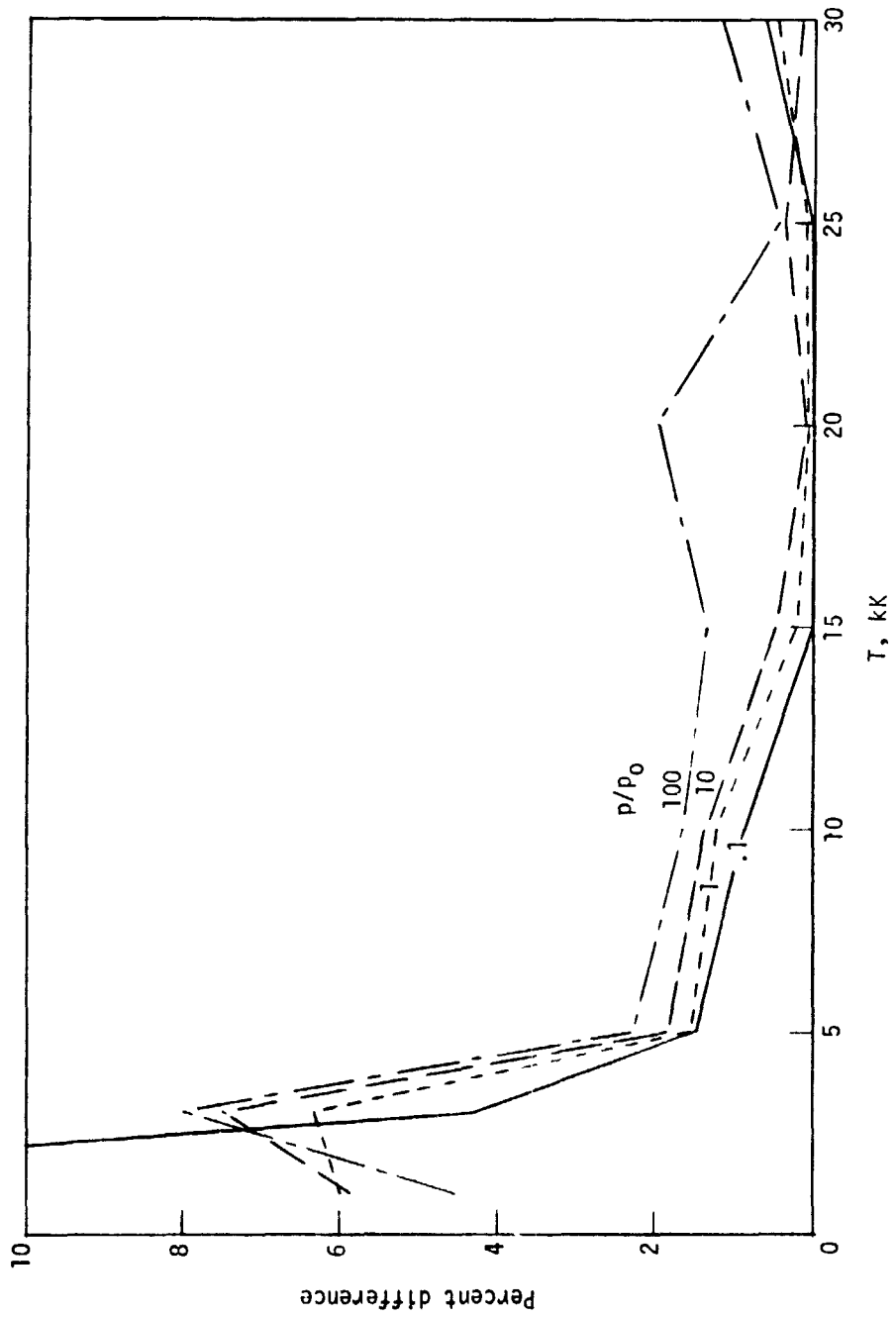
TABLE II.- Concluded

H-	V	N2	N2+	N+	N-	N++	N+++	N++++	T
1.427E-02	6.114E-04	2.220E-01	2.392E-09	6.898E-11	2.122E-11	0.	0.	0.	4.900E+02
2.120E-08	7.720E-04	2.191E-01	3.552E-09	1.235E-10	3.784E-11	0.	0.	0.	5.000E+03
4.479E-08	1.197E-03	2.129E-01	7.493E-09	3.712E-10	1.120E-10	0.	0.	0.	5.200E+03
8.806E-08	1.793E-03	2.083E-01	1.498E-08	1.031E-09	3.038E-10	0.	0.	0.	5.400E+03
1.628E-07	2.606E-03	1.995E-01	2.856E-08	2.672E-09	7.621E-10	0.	0.	0.	5.600E+03
2.849E-07	3.687E-03	1.925E-01	5.219E-08	6.506E-09	1.783E-09	0.	0.	0.	5.800E+03
4.741E-07	5.092E-03	1.856E-01	9.177E-08	1.497E-08	3.917E-09	0.	0.	0.	6.000E+03
7.542E-07	6.881E-03	1.787E-01	1.559E-07	3.277E-08	8.133E-09	2.583E-26	0.	0.	6.200E+03
1.152E-06	9.120E-03	1.719E-01	2.568E-07	6.847E-08	1.605E-08	2.057E-25	0.	0.	6.400E+03
1.696E-06	1.187E-02	1.654E-01	4.111E-07	1.372E-07	3.025E-08	1.454E-24	0.	0.	6.600E+03
2.417E-06	1.521E-02	1.589E-01	6.409E-07	2.645E-07	5.466E-08	9.209E-24	0.	0.	6.800E+03
3.345E-06	1.920E-02	1.526E-01	9.748E-07	4.922E-07	9.511E-08	5.274E-23	0.	0.	7.000E+03
4.509E-06	2.390E-02	1.464E-01	1.448E-06	8.857E-07	1.598E-07	2.752E-22	0.	0.	7.200E+03
5.940E-06	2.936E-02	1.402E-01	2.104E-06	1.545E-06	2.401E-07	1.317E-21	0.	0.	7.400E+03
7.665E-06	3.563E-02	1.339E-01	2.992E-06	2.418E-06	4.109E-07	5.812E-21	0.	0.	7.600E+03
9.710E-06	4.273E-02	1.276E-01	4.164E-06	4.313E-06	6.314E-07	2.379E-20	0.	0.	7.800E+03
1.210E-05	5.066E-02	1.211E-01	5.678E-06	6.921E-06	9.463E-07	9.074E-20	0.	0.	8.000E+03
1.466E-05	5.940E-02	1.144E-01	7.584E-06	1.083E-05	1.384E-06	3.239E-19	0.	0.	8.200E+03
1.800E-05	6.891E-02	1.074E-01	9.928E-06	1.455E-05	1.979E-06	1.066E-18	0.	0.	8.400E+03
2.156E-05	7.909E-02	1.004E-01	1.274E-05	2.471E-05	2.769E-06	3.434E-18	0.	0.	8.600E+03
2.553E-05	8.985E-02	9.363E-02	1.603E-05	3.410E-05	3.795E-06	1.327E-17	0.	0.	8.800E+03
2.995E-05	1.010E-01	8.621E-02	1.976E-05	5.164E-05	5.101E-06	2.915E-17	0.	0.	9.000E+03
3.483E-05	1.125E-01	7.898E-02	2.396E-05	7.239E-05	6.790E-06	7.877E-17	0.	0.	9.200E+03
4.016E-05	1.241E-01	7.180E-02	2.847E-05	9.954E-05	8.472E-06	2.031E-16	0.	0.	9.400E+03
4.597E-05	1.359E-01	6.478E-02	3.324E-05	1.344E-04	1.111E-05	5.011E-16	0.	0.	9.600E+03
5.226E-05	1.467E-01	5.800E-02	3.813E-05	1.783E-04	1.327E-05	1.184E-15	0.	0.	9.800E+03
5.905E-05	1.574E-01	5.155E-02	4.302E-05	2.327E-04	1.718E-05	2.700E-15	0.	0.	1.000E+04
1.004E-04	2.004E-01	2.600E-02	4.847E-05	7.116E-04	4.013E-05	9.918E-14	0.	0.	1.100E+04
1.538E-04	2.234E-01	1.205E-02	7.292E-05	1.662E-03	7.255E-05	1.864E-12	0.	0.	1.200E+04
2.172E-04	2.323E-01	5.600E-03	7.343E-05	3.258E-03	1.114E-04	2.161E-11	0.	0.	1.300E+04
2.471E-04	2.337E-01	2.728E-03	7.051E-05	5.685E-03	1.538E-04	1.749E-10	5.710E-25	0.	1.400E+04
3.583E-04	2.305E-01	1.404E-03	6.530E-05	9.109E-03	1.964E-04	1.071E-09	3.632E-23	0.	1.500E+04
4.252E-04	2.242E-01	7.542E-04	5.918E-05	1.365E-02	2.356E-04	5.249E-09	1.398E-21	0.	1.600E+04
4.920E-04	2.153E-01	4.253E-04	5.260E-05	1.934E-02	2.680E-04	2.143E-08	3.567E-20	0.	1.700E+04
5.236E-04	2.042E-01	2.405E-04	4.581E-05	2.615E-02	2.906E-04	7.513E-08	6.473E-19	0.	1.800E+04
5.463E-04	1.911E-01	1.436E-04	3.907E-05	3.391E-02	3.015E-04	2.318E-07	8.828E-18	0.	1.900E+04
5.487E-04	1.766E-01	8.491E-05	3.259E-05	4.238E-02	3.003E-04	6.410E-07	9.456E-17	0.	2.000E+04
5.310E-04	1.612E-01	5.035E-05	2.658E-05	5.127E-02	2.880E-04	1.615E-06	8.244E-16	0.	2.100E+04
4.986E-04	1.453E-01	2.981E-05	2.121E-05	6.024E-02	2.669E-04	3.751E-06	6.020E-15	0.	2.200E+04
4.535E-04	1.294E-01	1.759E-05	1.659E-05	6.894E-02	2.398E-04	8.120E-06	3.770E-14	0.	2.300E+04
4.016E-04	1.145E-01	1.033E-05	1.274E-05	7.721E-02	2.097E-04	1.653E-05	2.064E-13	0.	2.400E+04
3.476E-04	1.003E-01	6.050E-06	9.632E-06	8.472E-02	1.792E-04	3.187E-05	1.004E-12	0.	2.500E+04
2.952E-04	8.745E-02	3.536E-06	7.197E-06	9.141E-02	1.503E-04	5.859E-05	4.399E-12	0.	2.600E+04
2.472E-04	7.591E-02	2.068E-06	5.331E-06	9.722E-02	1.242E-04	1.032E-04	1.754E-11	0.	2.700E+04
2.048E-04	6.575E-02	1.214E-06	3.926E-06	1.022E-01	1.016E-04	1.751E-04	6.426E-11	0.	2.800E+04
1.687E-04	5.691E-02	7.159E-07	2.884E-06	1.063E-01	8.246E-05	2.871E-04	2.181E-10	0.	2.900E+04
1.385E-04	4.929E-02	4.255E-07	2.117E-06	1.096E-01	6.644E-05	4.565E-04	6.898E-10	0.	3.000E+04
1.139E-04	4.274E-02	2.551E-07	1.557E-06	1.123E-01	5.374E-05	7.057E-04	2.046E-09	0.	3.100E+04
9.391E-05	3.714E-02	1.544E-07	1.147E-06	1.144E-01	4.333E-05	1.063E-03	5.719E-09	0.	3.200E+04
7.788E-05	3.233E-02	9.444E-08	8.482E-07	1.158E-01	3.496E-05	1.564E-03	1.513E-08	0.	3.300E+04
6.506E-05	2.823E-02	5.833E-08	6.291E-07	1.168E-01	2.826E-05	2.249E-03	3.799E-08	0.	3.400E+04
5.481E-05	2.469E-02	3.637E-08	4.680E-07	1.171E-01	2.289E-05	3.166E-03	9.088E-08	0.	3.500E+04
4.662E-05	2.162E-02	2.287E-08	3.489E-07	1.170E-01	1.858E-05	4.367E-03	2.077E-07	3.880E-15	3.600E+04
4.003E-05	1.894E-02	1.449E-08	2.604E-07	1.163E-01	1.512E-05	5.904E-03	4.542E-07	1.719E-14	3.700E+04
3.472E-05	1.660E-02	9.228E-09	1.943E-07	1.150E-01	1.232E-05	7.830E-03	9.530E-07	7.048E-14	3.800E+04
3.041E-05	1.454E-02	5.903E-09	1.448E-07	1.131E-01	1.005E-05	1.019E-02	1.921E-06	2.687E-13	3.900E+04
2.688E-05	1.272E-02	3.784E-09	1.076E-07	1.106E-01	8.196E-06	1.307E-02	3.727E-06	9.563E-13	4.000E+04
2.397E-05	1.110E-02	2.428E-09	7.960E-08	1.075E-01	6.686E-06	1.631E-02	6.968E-06	3.187E-12	4.100E+04
2.134E-05	9.658E-03	1.556E-09	5.855E-08	1.028E-01	5.448E-06	2.008E-02	1.257E-05	9.985E-12	4.200E+04
1.950E-05	8.372E-03	9.953E-10	4.277E-08	9.948E-02	4.433E-06	2.429E-02	2.193E-05	2.949E-11	4.300E+04
1.777E-05	7.228E-03	6.345E-10	3.101E-08	9.470E-02	3.599E-06	2.887E-02	3.702E-05	8.239E-11	4.400E+04
1.629E-05	6.213E-03	4.028E-10	2.231E-08	8.951E-02	2.914E-06	3.375E-02	6.060E-05	2.184E-10	4.500E+04
1.501E-05	5.316E-03	2.545E-10	1.591E-08	8.404E-02	2.352E-06	3.883E-02	9.634E-05	5.511E-10	4.600E+04
1.389E-05	4.526E-03	1.631E-10	1.126E-08	7.838E-02	1.893E-06	4.400E-02	1.490E-04	1.328E-09	4.700E+04
1.290E-05	3.839E-03	1.002E-10	7.903E-09	7.266E-02	1.519E-06	4.917E-02	2.245E-04	3.062E-09	4.800E+04
1.202E-05	3.242E-03	6.249E-11	5.509E-09	6.697E-02	1.216E-06	5.423E-02	3.303E-04	6.783E-09	4.900E+04
1.123E-05	2.728E-03	3.882E-11	3.817E-09	6.142E-02	9.701E-07	5.909E-02	4.752E-04	1.447E-08	5.000E+04



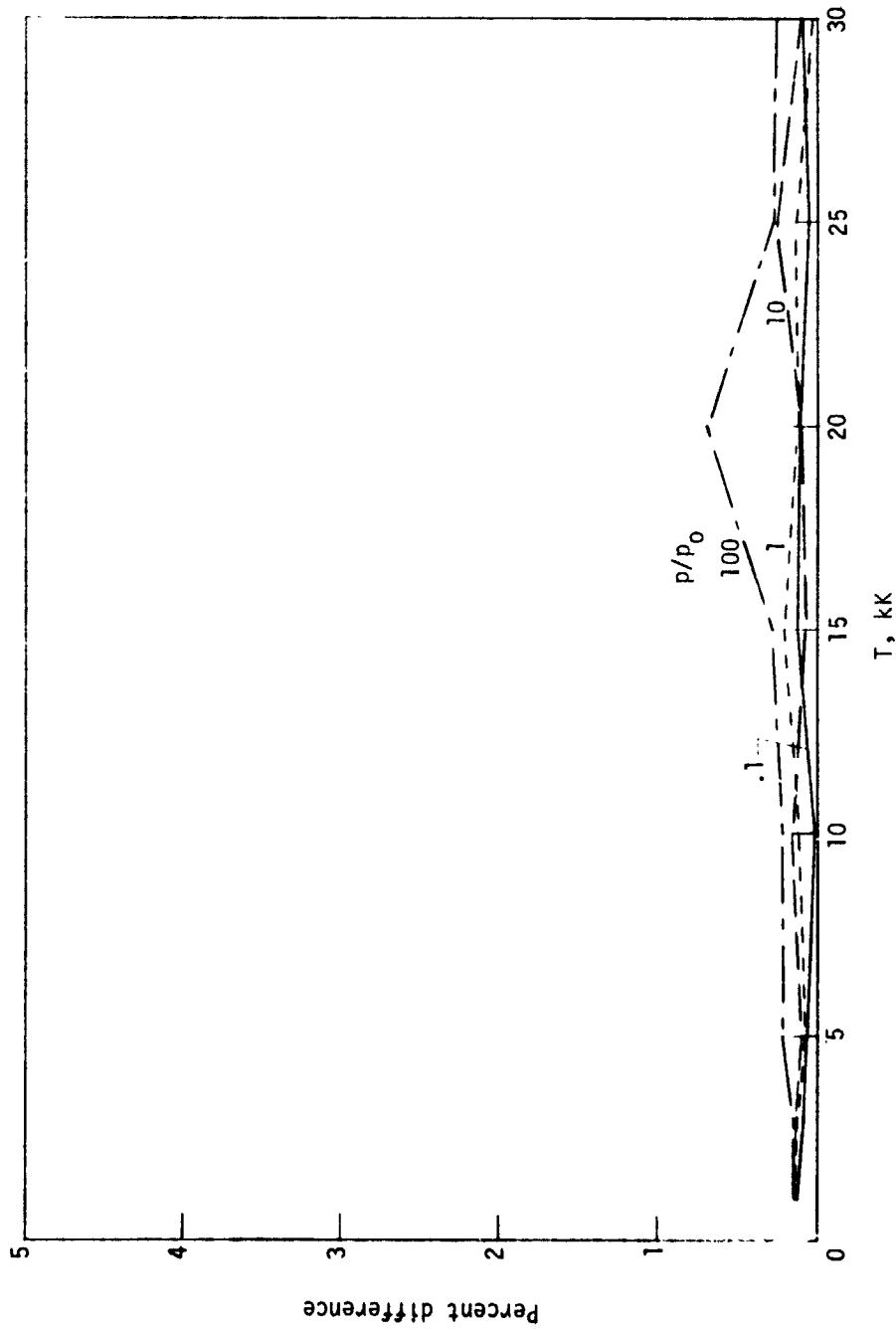
(a) Density ρ .

Figure 1.- Percent difference between thermodynamic properties obtained from present method and those obtained from method of reference 4, as a function of temperature for various pressures. $p_0 = 101.325 \text{ kN/m}^2$.

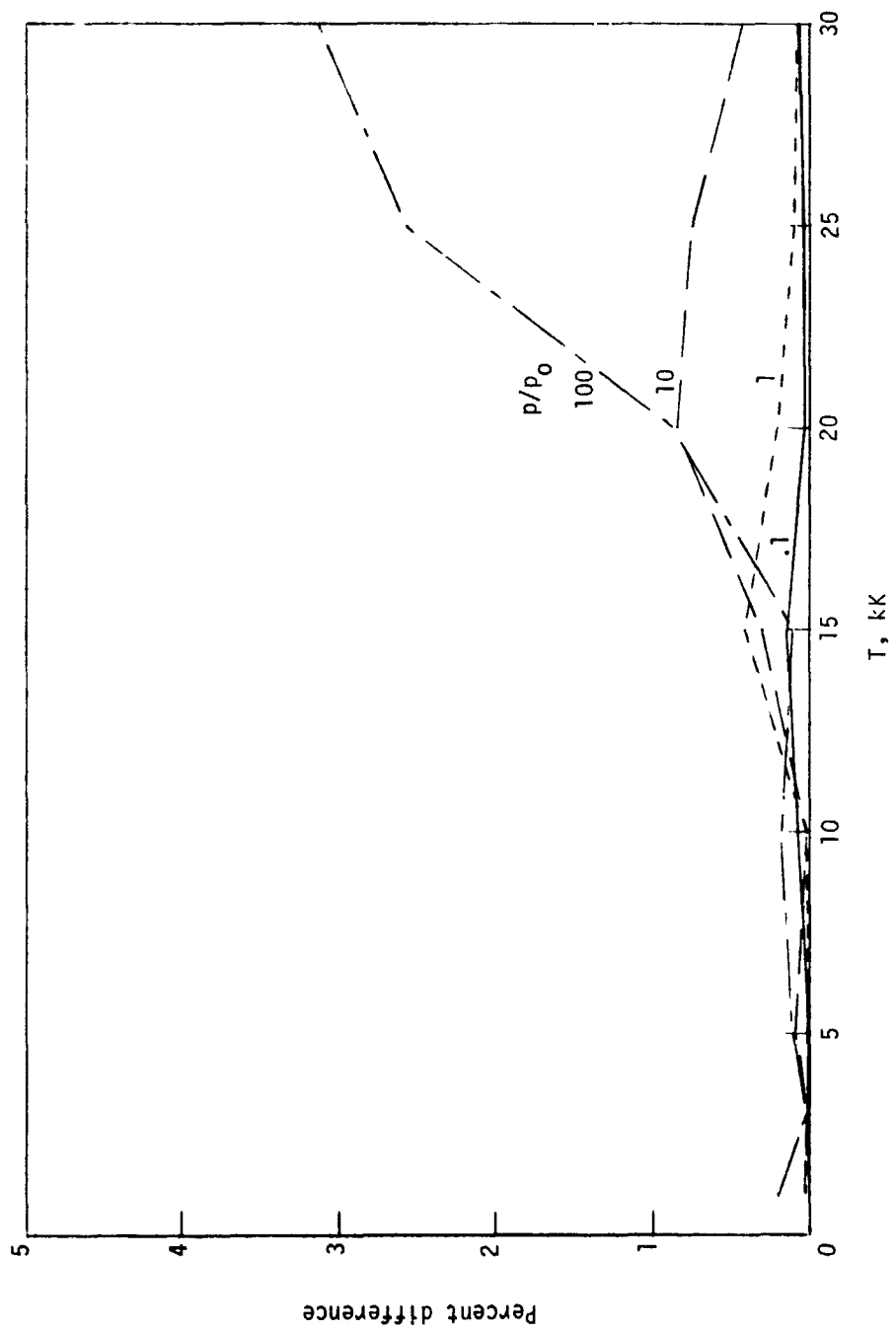


(b) Enthalpy h.

Figure 1. - Continued.



(c) Entropy s.
 Figure 1.- Continued.



(d) Molecular-weight ratio Z^* .

Figure 1.- Concluded.

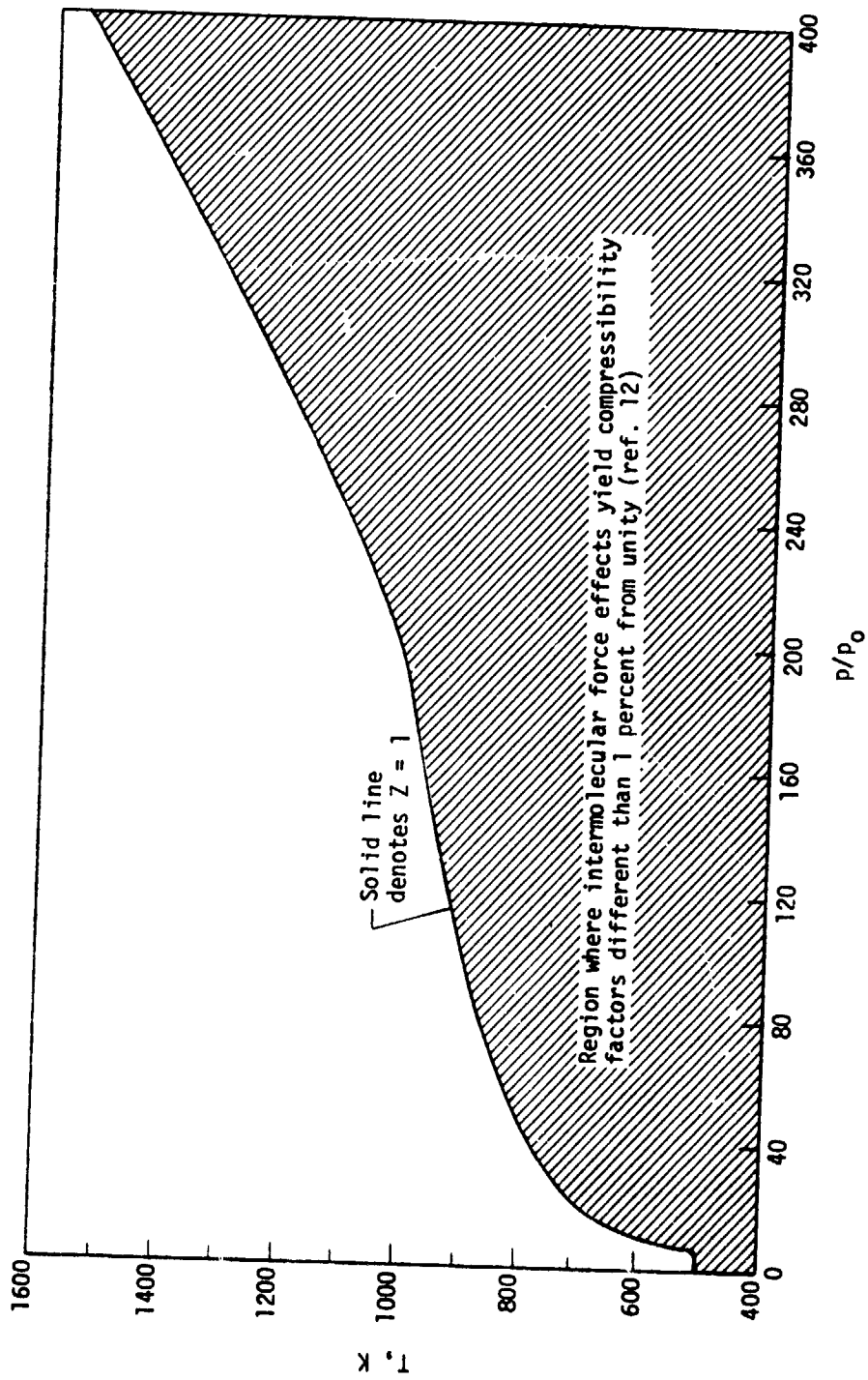
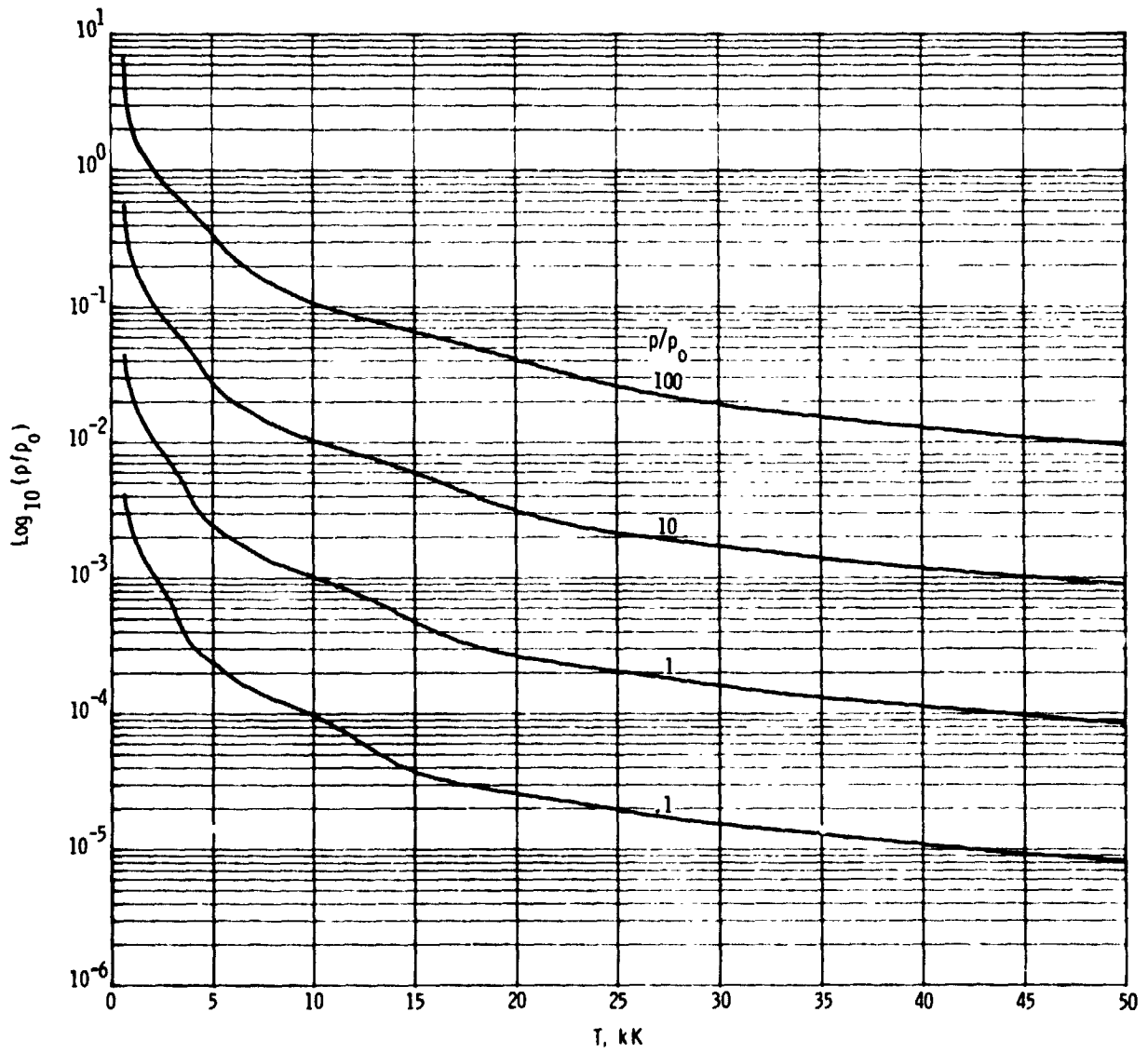
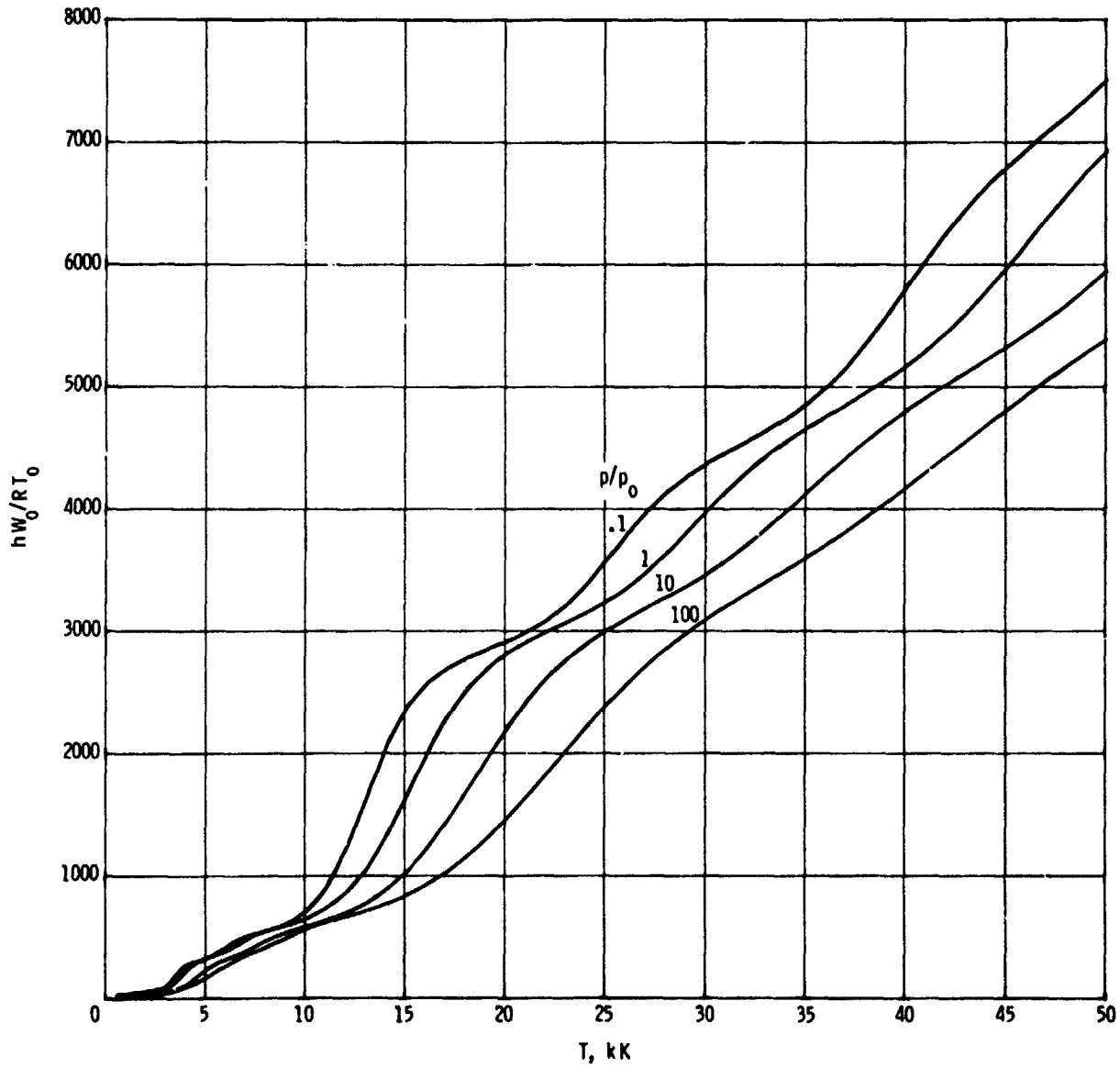


Figure 2.- Temperature-pressure region for which intermolecular force effects are significant for pure ammonia.
 $P_0 = 101.325 \text{ kN/m}^2$.



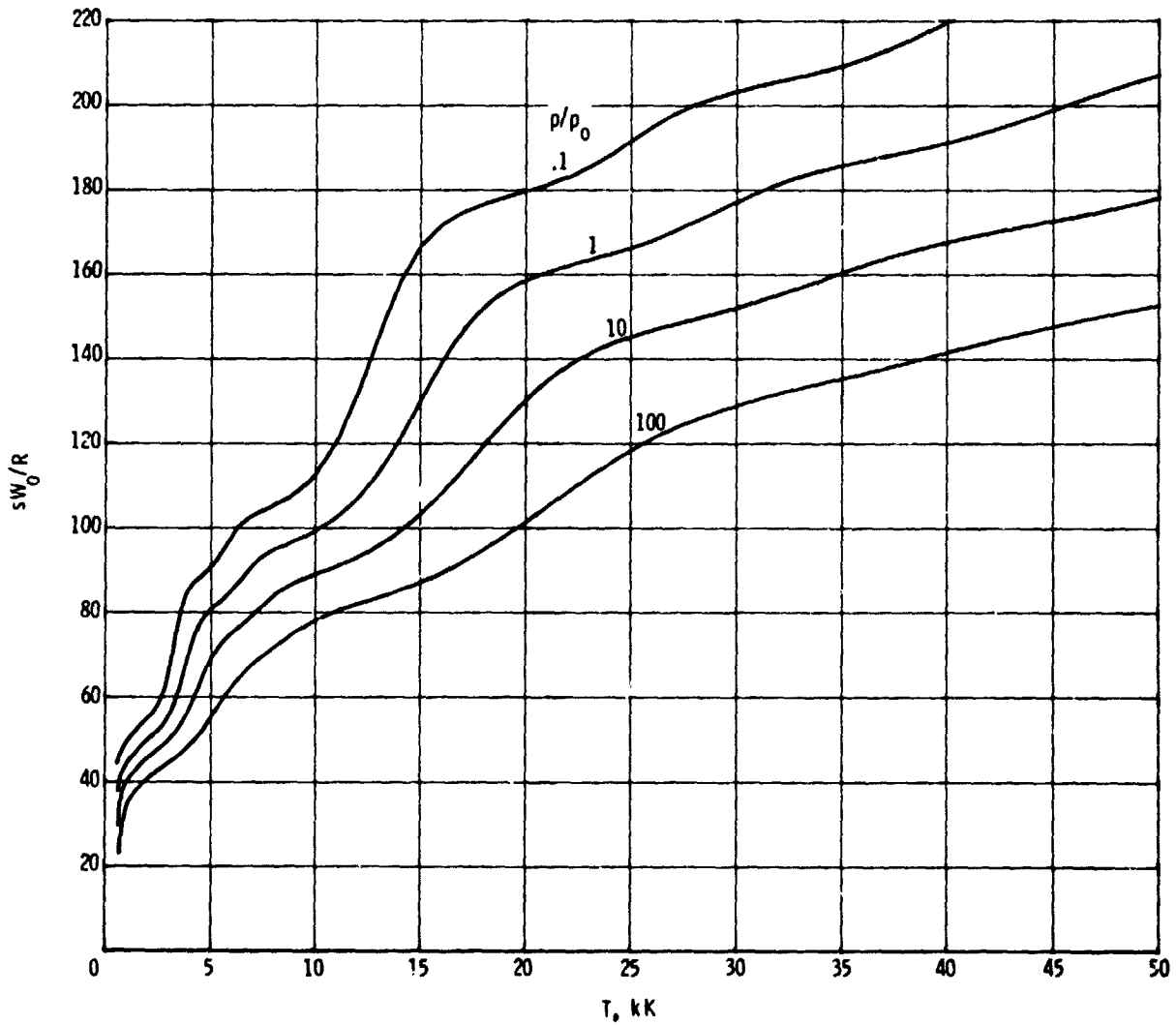
(a) Density, $\log_{10}(\rho/\rho_0)$. $\rho_0 = 0.5118 \text{ kg/m}^3$.

Figure 3. - Nondimensional thermodynamic properties for ammonia as a function of temperature for various pressures. $p_0 = 101.325 \text{ kN/m}^2$.



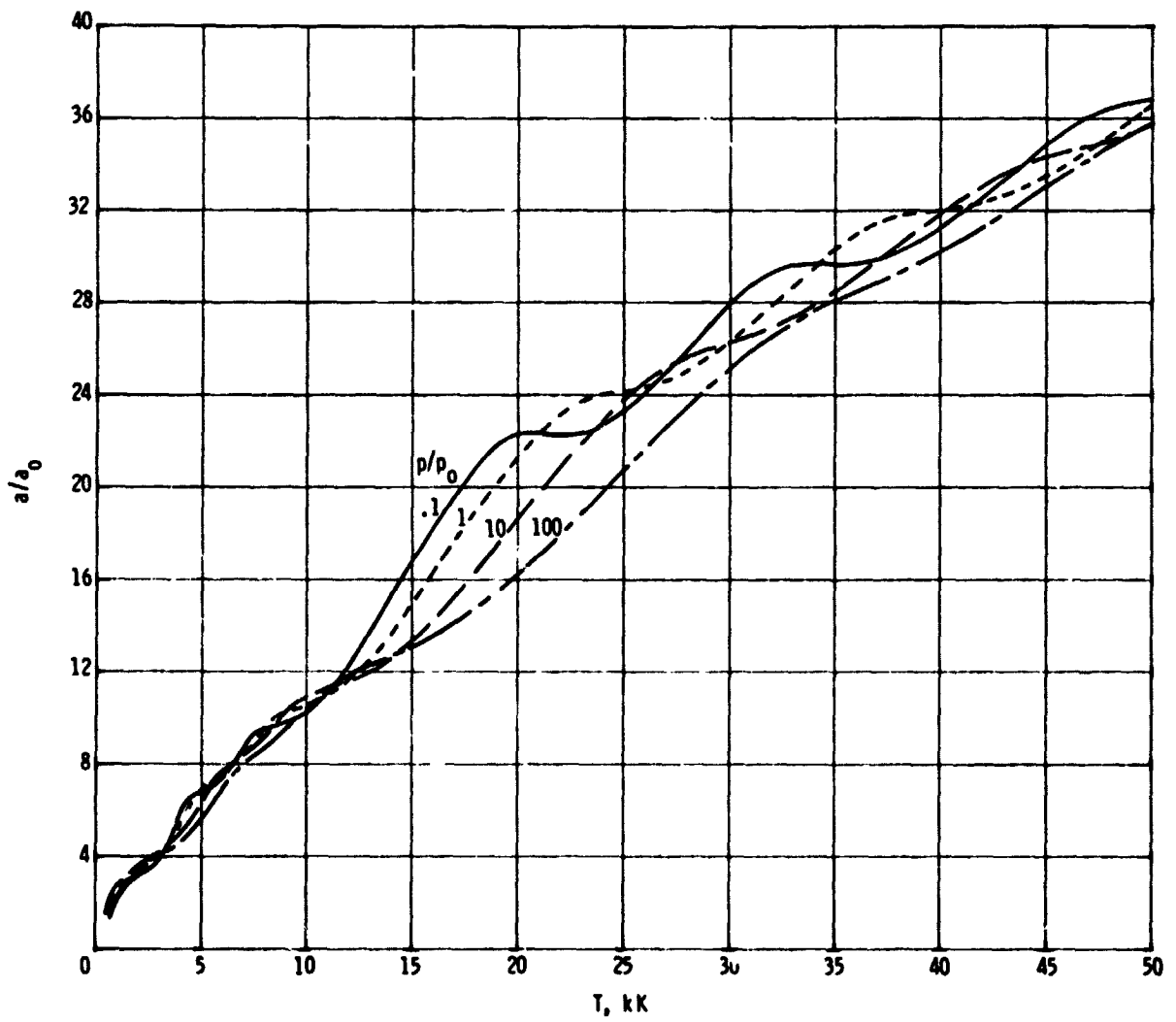
(b) Enthalpy, hW_0/RT_0 . $W_0 = 17.032$ kg/kmol; $T_0 = 405.55$ K.

Figure 3.- Continued.



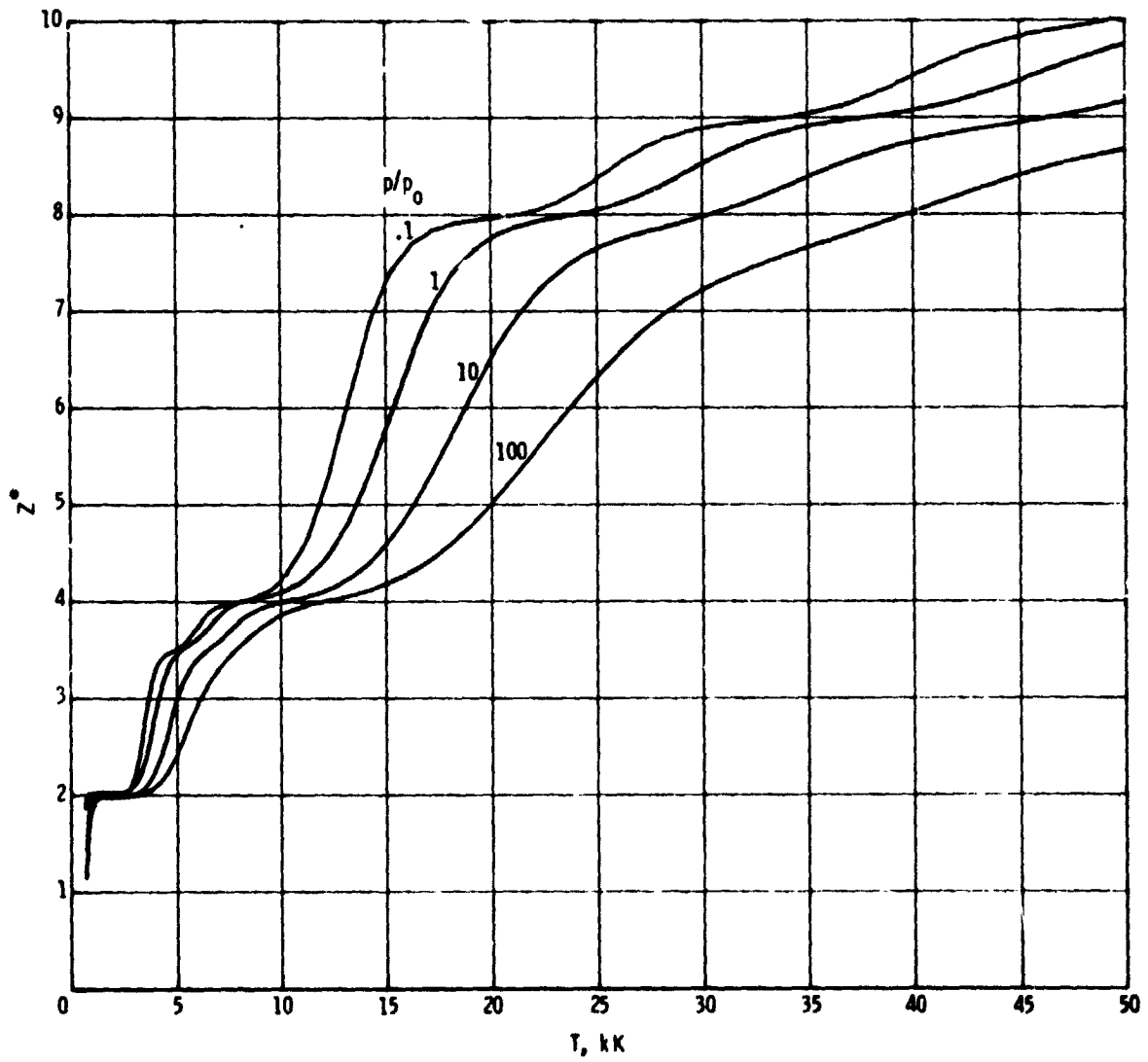
(c) Entropy, s_{w_0}/R . $W_0 = 17.032 \text{ kg/kmol}$.

Figure 3.- Continued.



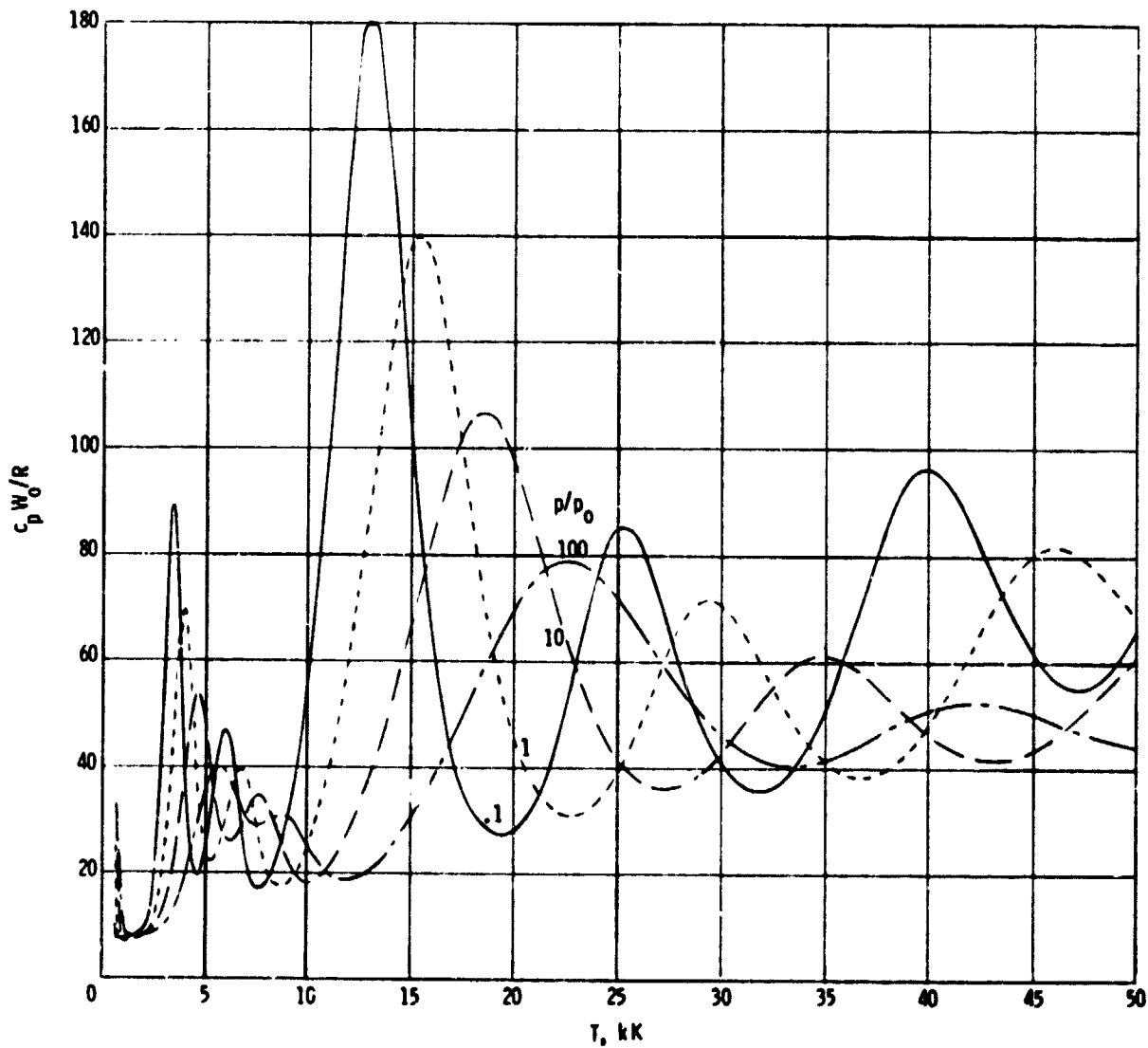
(d) Speed of sound, a/a_0 . $a_0 = 479.23$ m/sec.

Figure 3.- Continued.



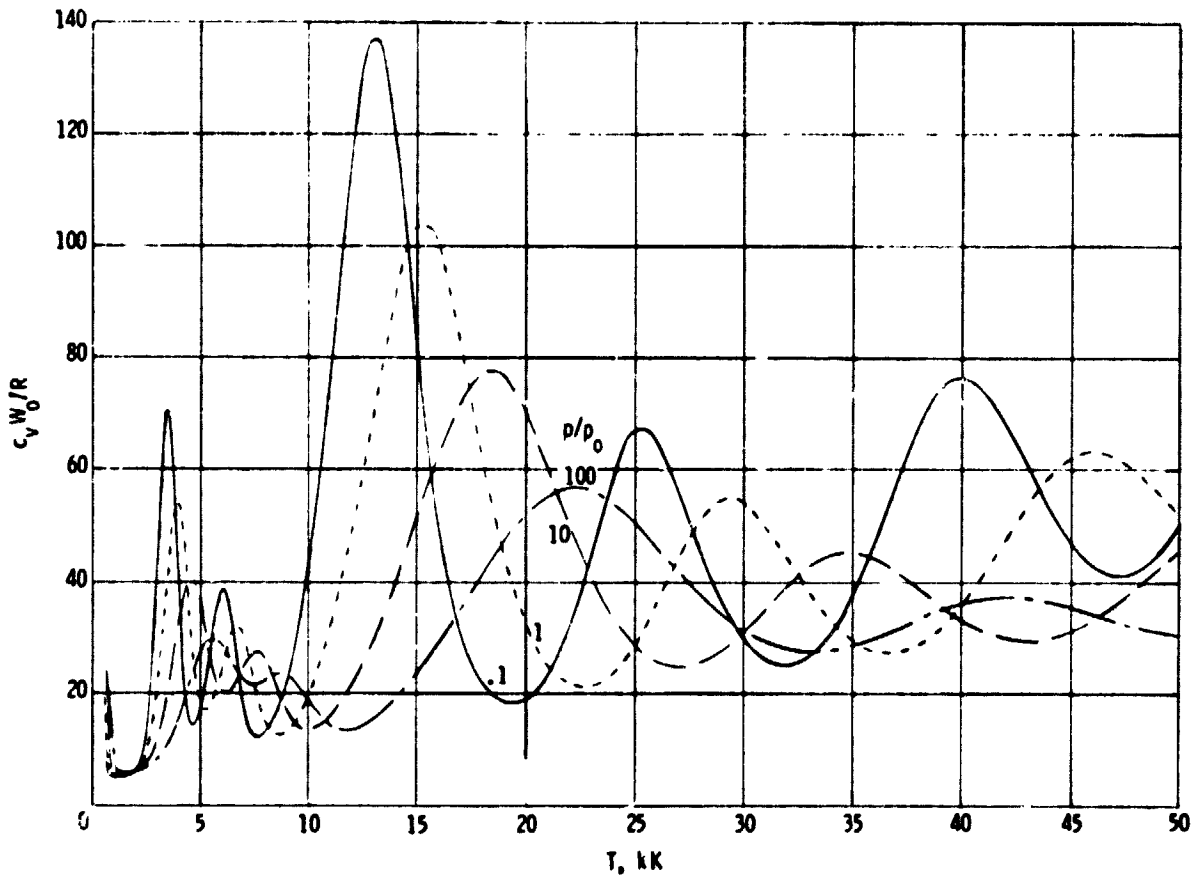
(e) Molecular-weight ratio Z^* .

Figure 3.- Continued.



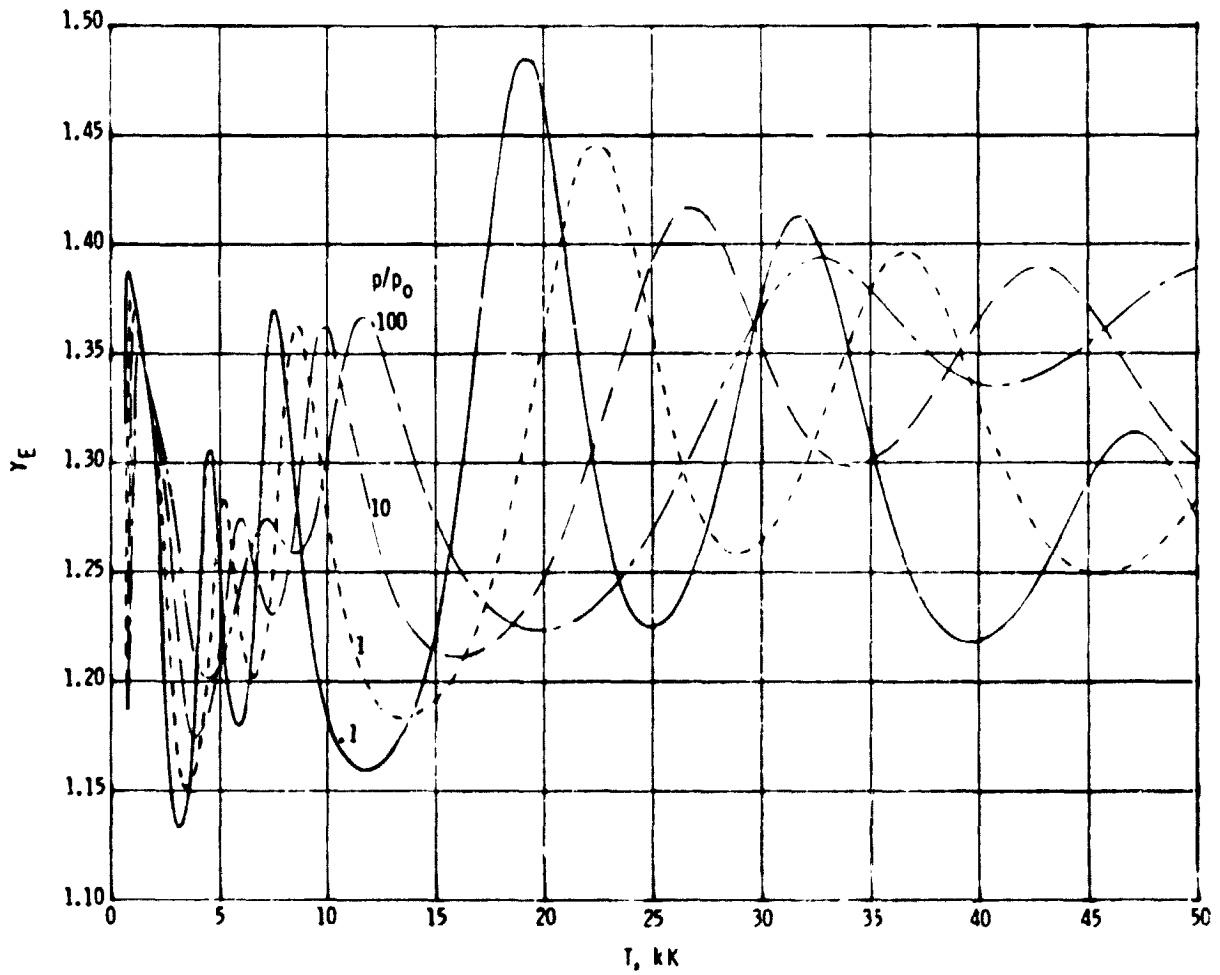
(f) Specific heat at constant pressure, $c_p W_0/R$. $W_0 = 17.032$ kg/kmol.

Figure 3.- Continued.



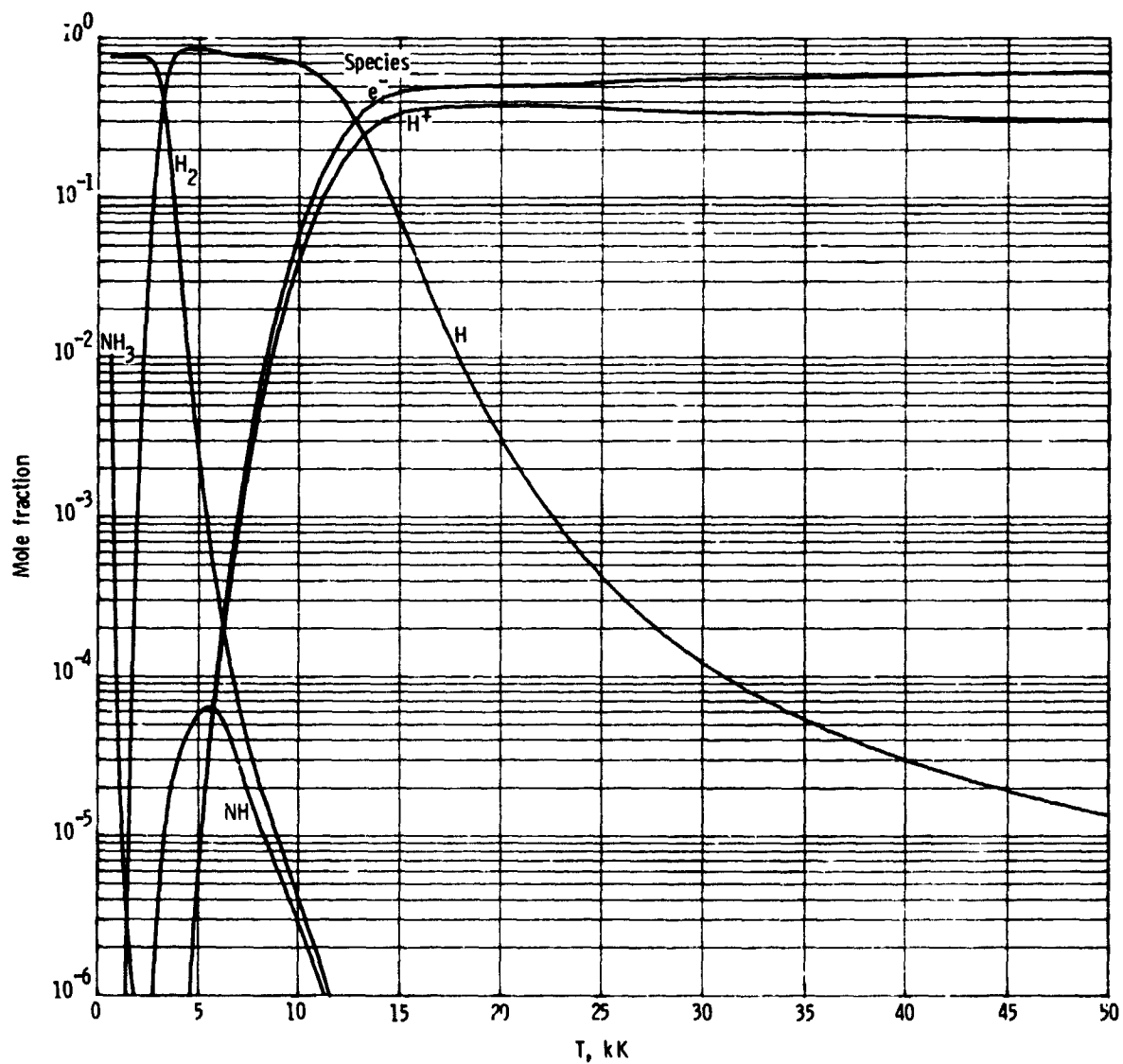
(g) Specific heat at constant volume, $c_v W_0/R$. $W_0 = 17.032$ kg/kmol.

Figure 3.- Continued.



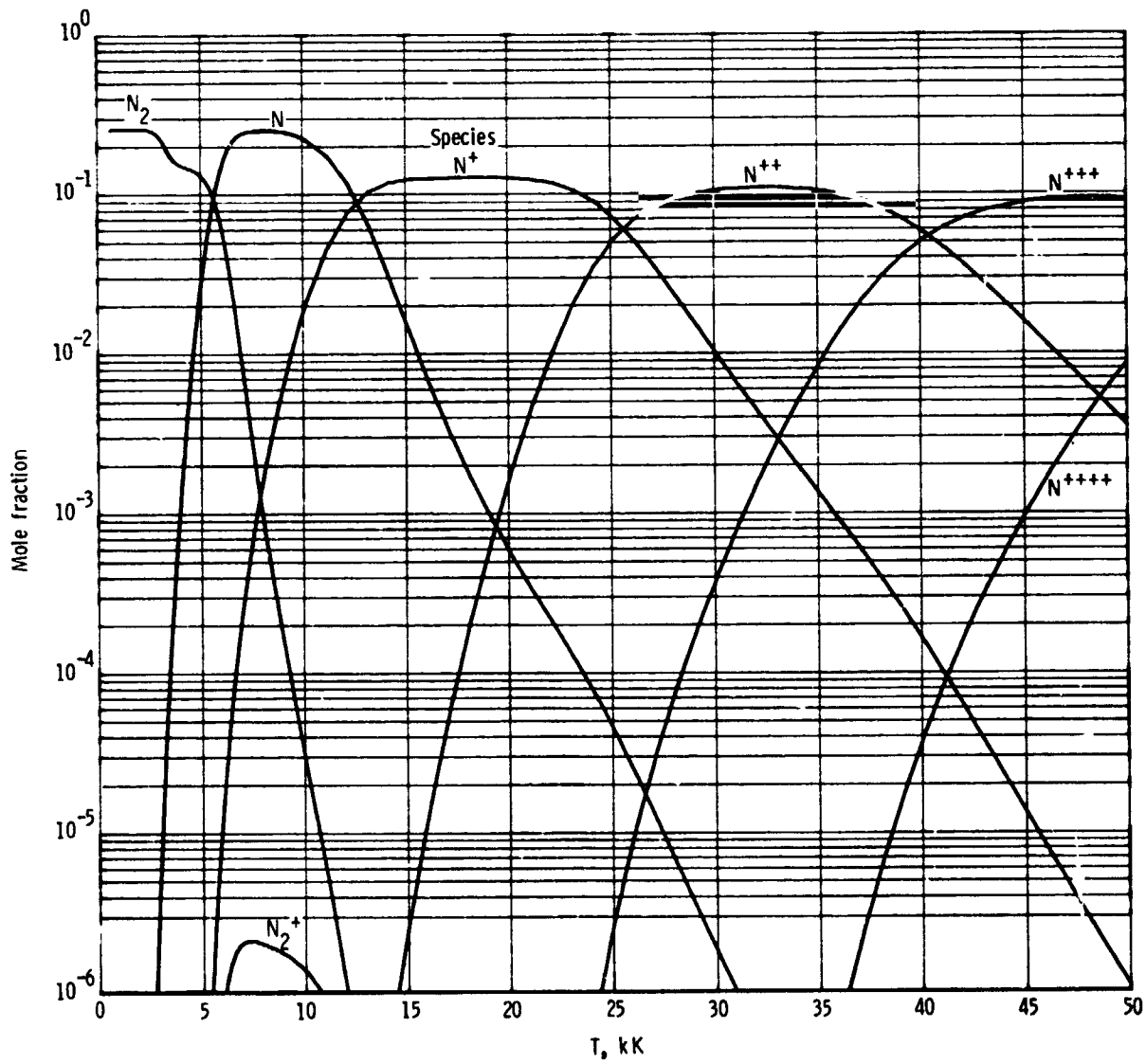
(h) Isentropic exponent γ_E .

Figure 3.- Concluded.



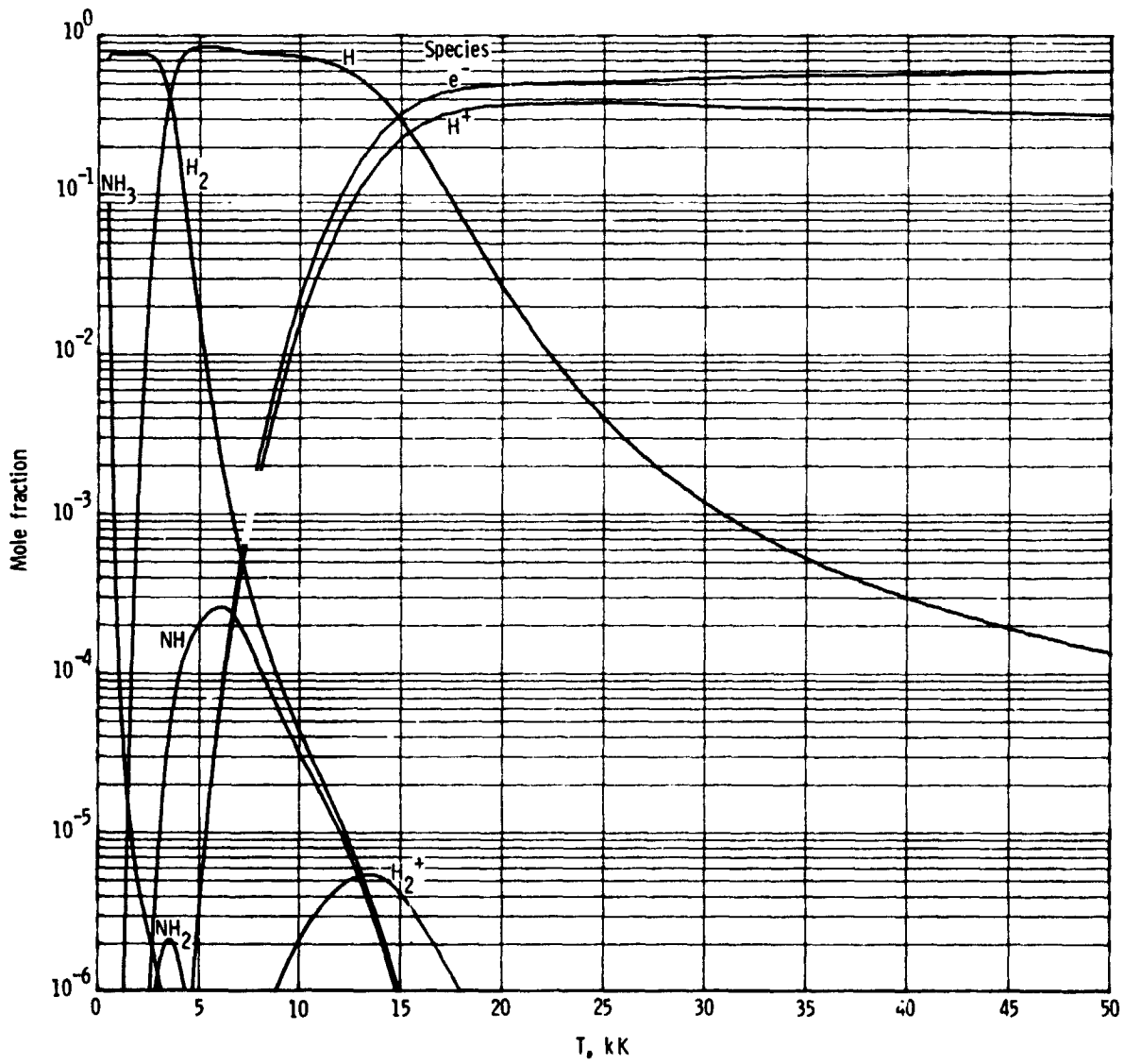
(a) $p/p_0 = 0.1$.

Figure 4.- Mole fractions for ammonia as a function of temperature for various pressures. $p_0 = 101.325 \text{ kN/m}^2$.



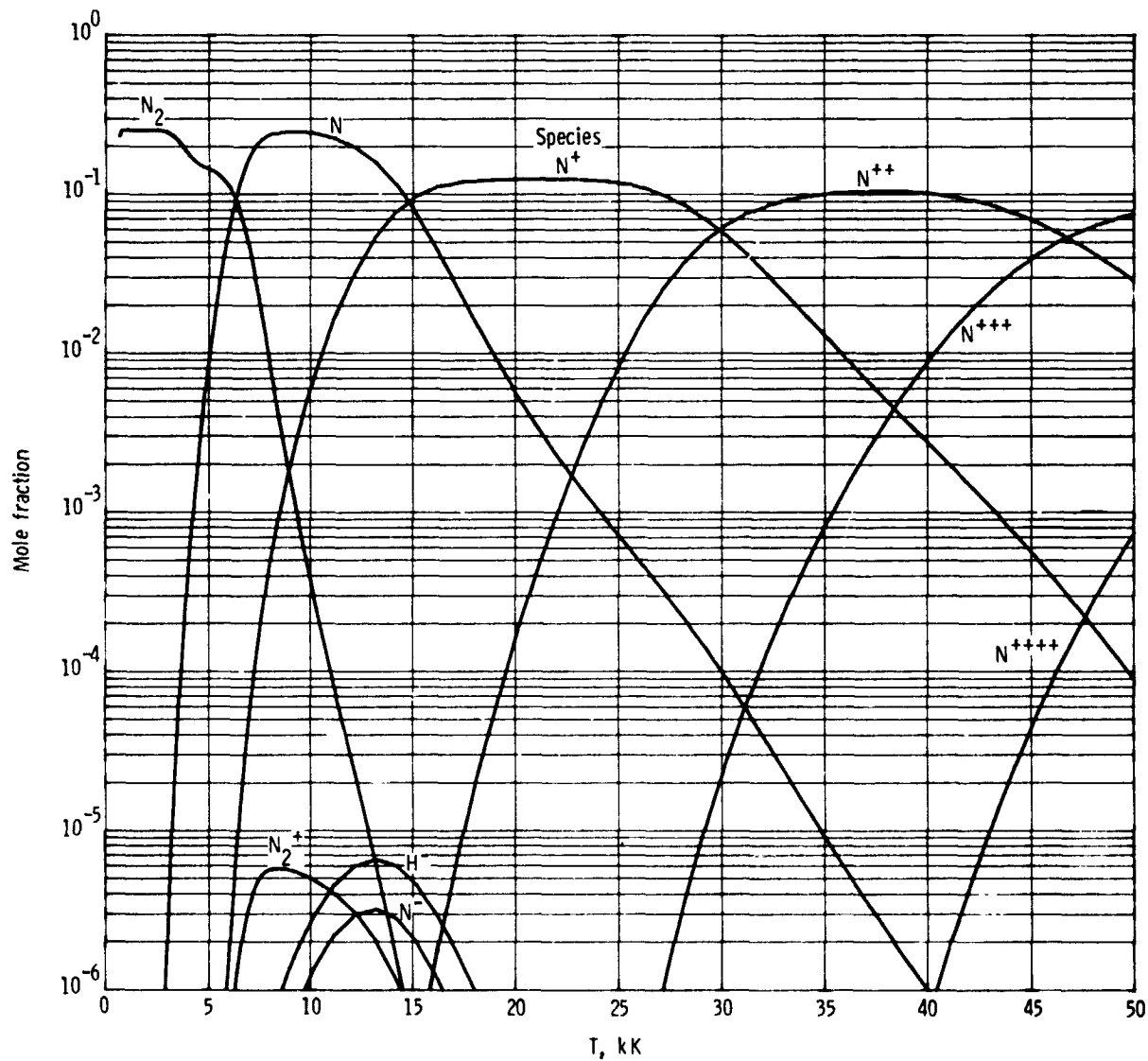
(a) Concluded.

Figure 4.- Continued.



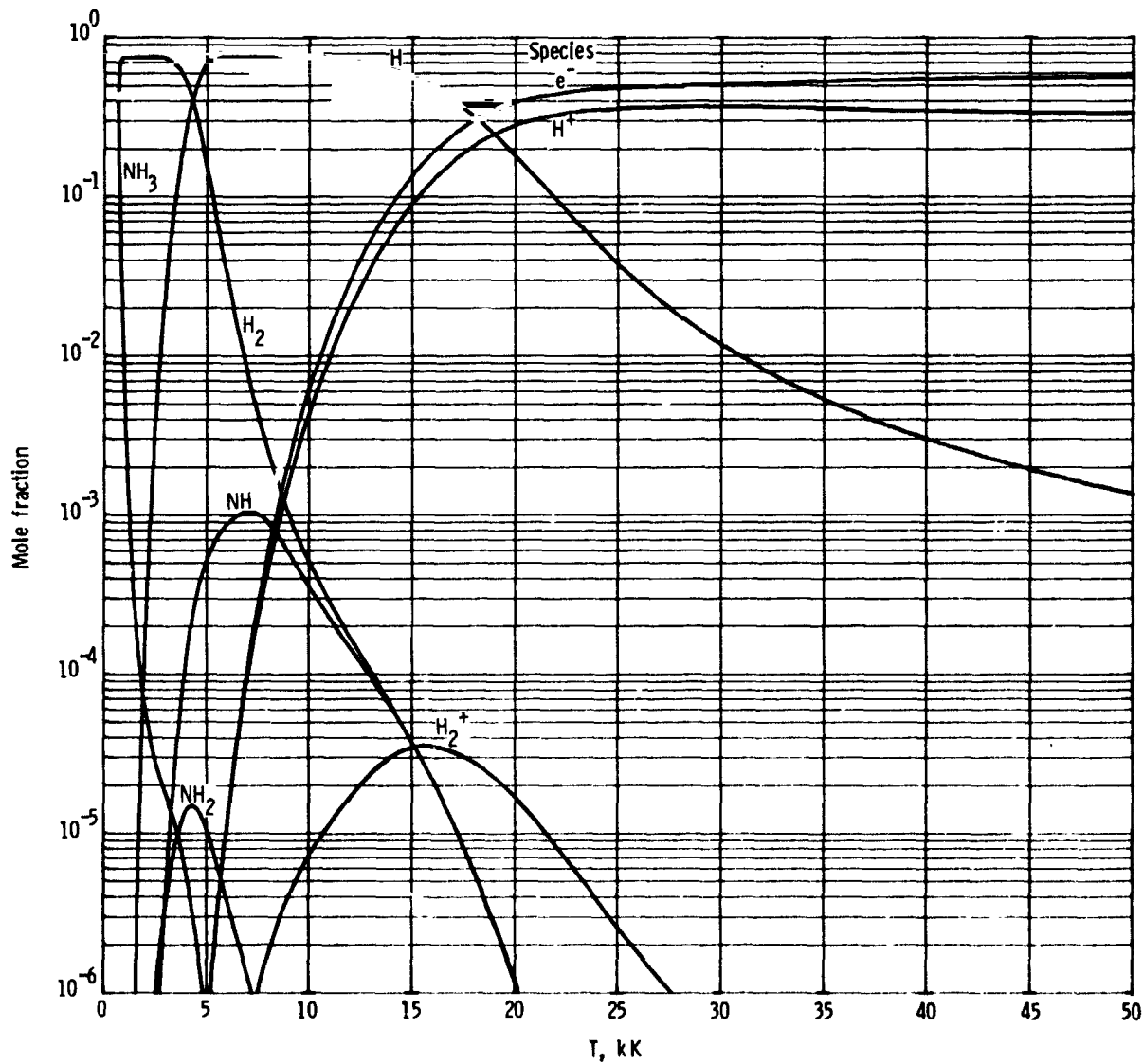
(b) $p/p_0 = 1$.

Figure 4.- Continued.



(b) Concluded.

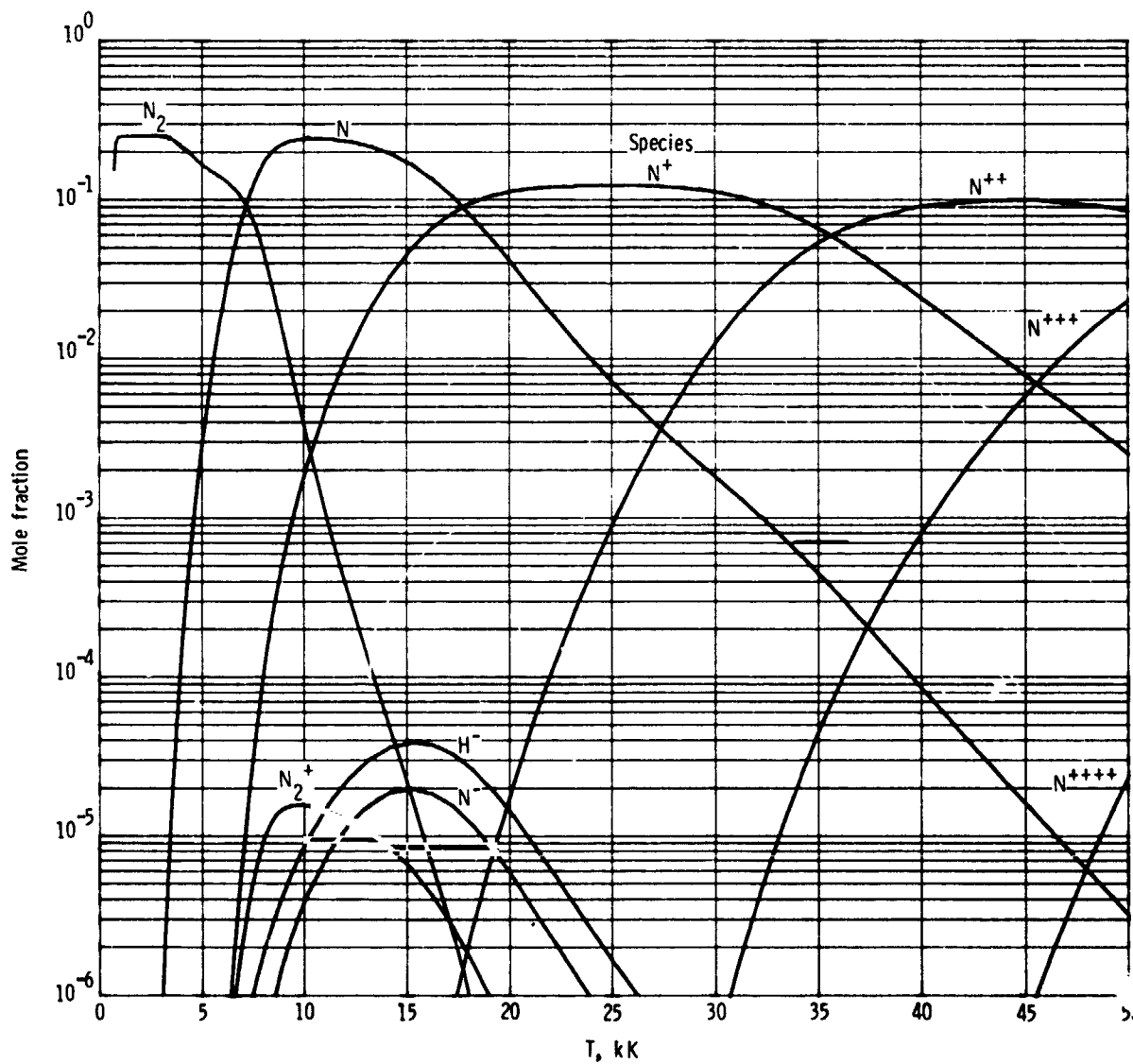
Figure 4.- Continued.



(c) $p/p_0 = 10$.

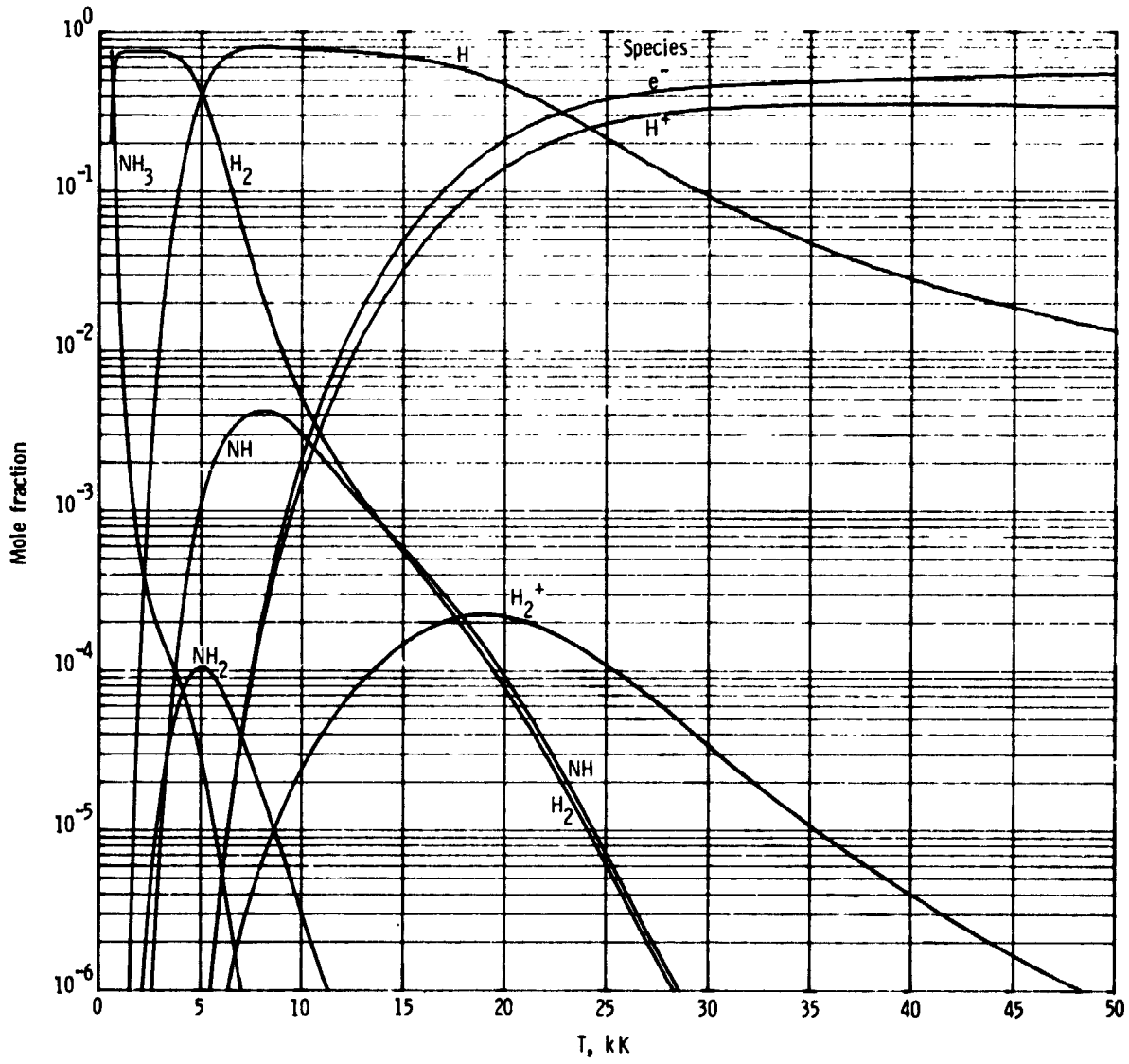
Figure 4.- Continued.

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR



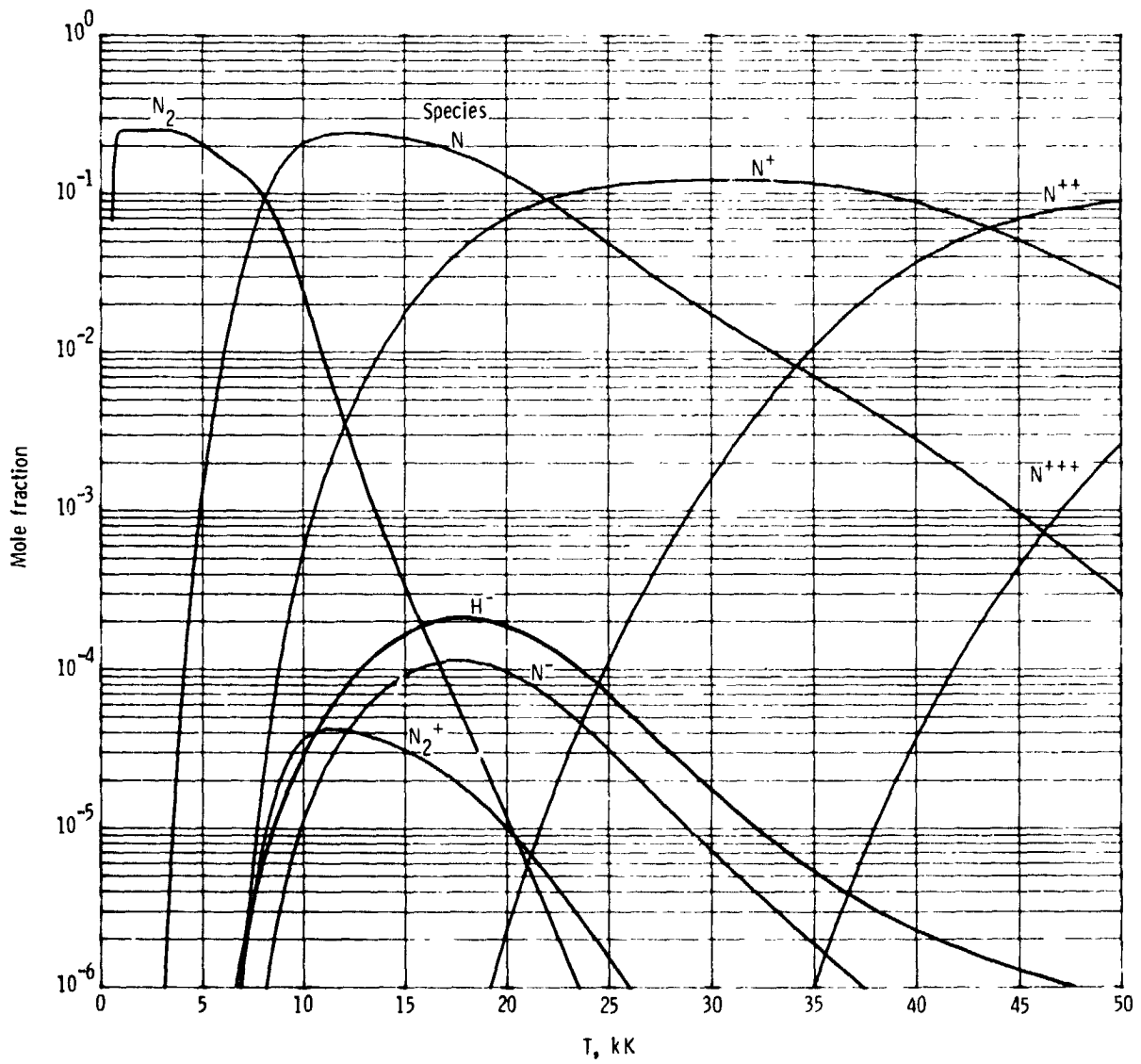
(c) Concluded.

Figure 4. - Continued.



(d) $p/p_0 = 100$.

Figure 4.- Continued.



(d) Concluded.

Figure 4.- Concluded.