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## A Study of School Costs in Red Lake County With a Proposal for a Large District with Plumber as a Center

Aleck M. Ripple

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A STUDY OF SCHOOL COSTS IN RED LAKE COUNTY  
WITH A PROPOSAL FOR A LARGE DISTRICT WITH  
PLUMMER AS A CENTER

695-  
799

A Thesis  
Submitted to the Graduate Faculty  
of the  
University of North Dakota

by  
Aleck M. Ripple  
In Partial Fulfillment of the Requirements  
for the  
Degree of  
Master of Science in Education  
June, 1936

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This thesis, offered by Aleck M. Ripple in partial fulfillment of the requirements for the Degree of Master of Science in Education in the University of North Dakota, is hereby approved by the Committee under whom the work has been done.

Chairman

James F. Cox

J. H. Vag.

J. W. Breitwieser  
Director of the Graduate Division

## ACKNOWLEDGMENTS

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Grateful acknowledgment is also made to Miss Erba Pouliet, County Superintendent of Schools whose records were used in making this study and who very cheerfully assisted in every way possible. Much valuable assistance was given by the County Auditor.

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CHESTERMAN BOND

CHAPTER I  
INTRODUCTION

It is a recognized fact among educators all over the United States that great inequalities of educational opportunity exist in many localities. There are many reasons for this inequality. In some cases it may be an inequality of wealth. In others it may be because of difference in types of organization. In Minnesota the latter reason probably prevails more often than the former, because the disbursement of state aid for schools is based to a very large extent upon need of the community in proportion to effort expended to support good schools.

In Minnesota last year there was a total of 554,000 pupils attending the public schools and enrolled in grades from kindergarten through grade 12. In the elementary grades there were 358,612 pupils enrolled. Of the 358,612 pupils enrolled in grades one to eight, 188,654 were enrolled in schools maintained and graded elementary schools and 169,958 were enrolled in the ungraded elementary schools or rural schools of the state. Graded elementary schools are schools employing four or more teachers in the eight grades and ungraded elementary schools are schools employing less than that number; usually one.

Because it is well recognized by educators that pupils of the one room school do not enjoy the educational advan-

tages of those in the graded schools, not much time will be spent in this paper comparing the one room school and the graded elementary schools of Red Lake County. It would in no way be fair to belittle the fine work done by many of the teachers in the rural schools of Red Lake County, but it is fair to point out a possible reorganization of the schools in the whole county in such a way that educational opportunity for all children in the county would be equalized.

This paper is not a particular attempt to effect a county-unit organization of the schools in Red Lake County. It is an attempt to show that the territory adjacent to the village of Plummer could very profitably be organized into one large unit and educational opportunity equalized for the children living in that area. By inference it will be possible to organize the rest of the county the same way.

The following questions will be discussed in this paper.

1. What is the actual cost of each item for the independent and common districts in the county? These costs will all be based on the average for the past five years.

2. What is the actual ability of the districts to maintain schools and what efforts are they putting forth to maintain schools?

3. To what extent is the state aiding each of these districts? Some discussion and explanation of State Aid Laws will be inserted in this section.

4. Is pupil attendance better in one room schools than in the graded elementary schools of the county? What are the reasons?

5. What is the pupil load for the teachers in the rural schools?

6. What are transportation costs in other parts of the country? What are transportation costs in Minnesota? What would be the transportation costs for bringing all pupils adjacent to Plummer into Plummer?

7. What is the total cost of maintaining a school unit sufficiently large to care for all pupils in the proposed district?

8. What would be the sources of aid to maintain this unit?

#### LIMITATION

This study is limited to the districts surrounding Plummer, which according to present road conditions, would make a large school unit possible. At the end of this study it should be possible to tell each tax payer just what it would cost him to help provide the buildings and maintain such a school unit. There will be road maps drawn to show how transportation could be effected. There will be tables compiled to show comparative costs under present organization and cost under proposed unit. These comparisons will be based upon present conditions.

The following districts will be included in the proposed unit: Numbers 16, 148 Jt., 133, 5, 235, 234, 233, 3, 208, 214, 228, 141, 126, 7 and 14. These districts were included because road conditions are such that transportation can easily be effected. There are sufficient pupils included in these districts to make possible an efficient unit.

DISTRICT NO.	PUPILS	ASSESSED VALUATION	TAX RATE	AVERAGE RATE
16	232	\$96958	53	
148 Jt.	25	31855	27	
133 Jt.	20	43199	4.7	
5	18.4	20818	27	
235	5	19713	7.3	
234	29.2	27242	12	
233	16.2	32902	13.2	
3	14.4	30103	4.4	
208	19.4	28980	14.8	
214	23.8	28936	14.8	
228	29.6	30742	17.5	
141	24.4	43113	9.9	
126	87.4	56501	21.5	
7	25.2	37486	11.7	
14	<u>12.6</u>	<u>35036</u>	<u>18</u>	
TOTAL	582.6	563584	256.8	\$21.36

## SOURCES OF INFORMATION FOR THIS PAPER

The figures and data for this paper were obtained from the annual reports of the County Superintendent and from the records of the County Auditor. The State School Directory and the Minnesota Year Book for 1935 gave some information. I got considerable material from the State Department of Education and made use of A Study of School District Reorganization in Polk County by Knut P. B. Reishus (University of North Dakota Library).

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## CHAPTER 2

### SURVEY OF SCHOOL COSTS IN RED LAKE COUNTY

There are fifty-three common districts in Red Lake County employing 56 teachers with an enrollment of about 1000 pupils. The following tables show all items for each of the past five years with the five-year average for each. Table 27 shows a comparison of costs between independent and common School Districts. These tables are based upon figures taken from the annual reports of the County Superintendent of Schools and from the tax books of the County Auditor.

In every item we find the independent districts much higher than the common districts. This is undoubtedly the case in every county in the State of Minnesota. The per pupil expenditures are probably not too high in the independent districts, but probably are too low in the common districts.

If we look at teachers salaries we will not that independent districts per-pupil costs are about 50% higher than in common school districts. When we find that the median wage for all teachers in the independent districts is only \$118.90 we must conclude that rural teachers are underpaid.

The per pupil cost for library books is too low for both independent and common districts. When we look at



the \$.17 expended for library books for children in the rural schools we cannot help but feel that that particular item is altogether too low.

An examination of the items on bonded indebtedness is indeed gratifying. The wide range between the independent and common districts is easily seen by driving through the county and noticing the difference between the town school buildings and those in the country. I believe that an examination of the expenditures for these various items tell the difference between the school advantages of the boys and girls in town and those in the country. If the dollar means anything at all, it means that things worth while must be paid for. If any progress toward equalization of education opportunity is to be made, larger units with greater per-pupil costs must be accepted by those paying the tax. At this stage in my study, I am ready to say that the whole study will show that the better type of school is going to cost more money. State aid is expended in such a way that better type of schools can be maintained if the recipients of such aid are willing to make more effort. I have studied a number of surveys of other counties and practically the same story is told.

TABLE 1

## PUPILS ATTENDANCE IN RURAL DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	8	12	13	15	16	12.8
3	17	15	15	12	13	14.4
4	4	4	9	8	8	6.6
5	18	24	19	16	15	18.4
7	25	23	25	27	26	25.2
8	25	21	17	13	13	17.8
9	29	25	24	28	23	25.8
10	31	23	21	17	15	21.4
11	22	23	19	15	11	18.0
12	16	16	14	19	18	16.6
13	12	12	18	9	9	12
14	27	27	24	20	19	23.4
17	11	21	19	20	21	18.4
19	17	14	12	10	10	12.6
20	7	10	12	14	12	11.0
21						
22	22	24	26	27	29	25.6
23	7	5	6	10	9	7.4
27	25	32	29	30	29	29.0
32	27	23	23	25	27	25.0
33	18	17	21	16	16	17.6
36	23					23.0
40	24	16	20	8	11	19.6

TABLE 1. (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
43	17	19	19	17	15	17.4
49	15	9	7		5	11.5
58	9	15	15	19	23	16.2
63	15	14	14	16	15	14.8
76	26	26	25	11	14	20.4
79	66	76	71	68	70	70.2
80	7	7	12	13	13	10.4
81	44	47	48	49	52	48.0
88	11	9	10	9	12	10.2
103	13	14	13	18	20	15.6
108	15	15	14	14	12	14.0
112	24	25	24	24	22	23.8
124	12	11	12	11	15	12.2
126	76	89	92	89	91	87.4
130	25	22	24	19	15	21.0
133	20					20.0
141	23	24	24	26	23	24.4
148	18	24	22	19	25	21.6
151	23	24	24	20	18	21.8
153	19	15	14	18	21	17.4
167	12	15	10	9	8	10.8
191	22	31	29	27	27	27.2
208	24	23	19	18	13	19.4
214	24	23	27	29	16	23.8

TABLE 1. (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
216		11	12	13	11	11.88
227	8	8	7	9	10	10.4
228	36	31	31	26	24	29.6
233	16	14	15	15	21	16.2
234	32	31	29	31	23	29.6
235	5					5.0
236	14	21	16	13	12	15.2

CERTAIN BOND

TABLE 2

EXPENDITURES FOR GENERAL CONTROL FOR RURAL DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$63.08	\$52.77	\$56.97	\$38.33	\$33.37	\$48.90
3	40.88	38.42	49.92	35.70	37.00	40.38
4	22.24	102.00	41.28	21.96	19.15	41.32
5	39.10	38.00	49.80	42.00	49.00	43.58
7	62.40	68.13	69.28	42.20	33.00	55.00
8	36.00	26.63	26.00	26.00	25.16	27.96
9	62.28	55.00	62.92	49.97	50.08	55.95
10	27.67	31.72	22.12	22.22	17.56	24.26
11	21.00	22.11	27.35	22.44	22.59	23.10
12	75.37	50.26	66.29	52.90	43.58	57.68
13	56.42	19.70	39.85	30.98	31.18	35.63
14	63.67	72.97	78.30	66.64	118.04	79.92
17	50.00	12.00	13.32	23.62	21.30	24.05
19	24.71	24.42	31.80	5.00	20.86	21.36
20						
21						
22	90.02	71.32	67.83	60.68	72.38	72.45
23		56.00	56.00	35.01	15.50	40.63
27		12.00	19.70	15.07	12.84	14.91
32	70.07	56.00	50.15	60.78	78.68	63.14
33	27.45			29.17	22.17	26.26
36	37.02					37.02

TABLE 2 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	\$55.00	\$50.00	\$50.90	\$35.00	\$35.00	\$45.18
43	37.95	44.04	41.49	34.90	43.86	40.45
49			6.81	26.67		16.74
58	12.00	12.00	12.00	12.00	12.67	12.13
63	22.16	21.12	29.72	23.88	15.83	22.54
76						
79	3.22	61.06	63.50	57.63	59.00	49.08
80	40.72	50.00	45.08	25.54	37.24	39.72
81			10.40	26.35	26.72	21.16
88	21.00	21.00	30.00	33.25	25.69	26.16
103	52.00	53.68	45.78	40.39	49.97	48.68
108	51.80	50.00	36.22	47.13	31.93	43.42
112			72.75	47.64	66.40	62.26
124	36.68	42.26	43.99	43.53	24.96	38.28
126	65.30	67.02	73.01	72.05	65.00	68.48
130	35.57	41.81	31.00	45.10	36.66	38.03
133	30.00					30.00
141	48.00	54.00	51.25	76.00	66.02	59.05
148				37.34	15.00	26.17
151	55.00	55.23	71.85	48.65	48.52	55.85
153	36.75	40.45	41.41	40.83	42.52	41.39
167	41.99	91.76	58.34	56.49	25.54	55.02
191	229.46	73.96	56.72	42.89	36.63	87.93
208	40.00	46.97	54.02	25.60	31.71	39.66

TABLE 2 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
214	\$31.36	\$33.70	\$37.00	\$31.00	\$29.80	\$32.57
216	23.40	20.00	20.00	26.00	26.00	23.08
227	24.00	24.00	33.00	24.00	24.00	25.80
228	25.81	26.21	43.87	51.14	27.85	34.98
233				15.00	12.45	13.73
234	90.91	37.24	16.73	17.58	24.56	37.50
235	32.74					32.74
236	31.00	31.00	31.00	31.00	31.00	31.00

CHIEFTAIN BOND

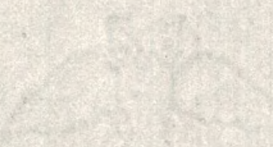


TABLE 3  
EXPENDITURES FOR TEXT BOOKS IN RURAL DISTRICTS

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$35.84	\$72.34	\$30.38	\$59.42	\$44.50	\$48.50
3	22.23	25.60	18.33	78.06	4.43	28.73
4	16.55	19.15	21.66	5.44	14.50	15.46
5	21.20	43.30	125.35	64.88	40.09	56.96
7	51.13	36.01	57.50	64.71	53.37	52.54
8	38.56	36.55	30.76	20.77	27.25	30.79
9	71.58	58.34	25.84	2.45	17.96	35.23
10	59.70	46.41	29.64	3.60	15.00	30.87
11	53.91	29.43	48.50	15.72	15.12	32.54
12	12.00	104.10	40.86	44.20	90.35	58.30
13	23.65	22.71	18.58	13.00	19.45	19.49
14	62.82	87.14	60.36	40.29	45.36	59.19
17	42.94	23.17	35.55	7.00	47.61	31.25
19	98.76	45.69	30.37	10.23	32.04	43.42
20	15.23	29.11	47.10	118.11	25.00	46.91
21	14.80					14.80
22	69.87	84.10	156.52	119.09	51.39	81.19
23	34.57	21.56	3.90	24.94	38.97	24.79
27	75.69	53.68	49.67	56.62	4.91	48.19
32	23.64	60.95	21.66	40.78	88.06	47.02
33	27.79	23.63	51.28	17.51	16.74	27.39
36	33.52					33.52
40	69.81	15.20	30.33	32.67	29.99	35.60



TABLE 3 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
43	\$16.90	\$38.56	\$23.60	\$19.81	\$19.73	\$23.72
49	43.86	25.63	22.25			30.58
58	15.85	195.87	27.97	27.07	24.81	58.31
63	14.78	12.00	5.26	3.73	25.19	12.19
76	53.12	40.66	58.05	59.59	26.20	47.52
79	123.28	152.89	101.50	101.06	68.23	113.39
80	5.50	20.49	42.48	21.36	49.55	27.88
81	189.78	100.27	129.98	234.84	63.14	143.60
88	34.93	49.35	12.00	31.29	25.68	30.65
103		63.36	49.19	76.80	81.67	67.76
108	27.36	28.19	17.74	18.55	24.82	23.33
112	113.70	170.47	60.07	93.22	57.04	98.90
124		22.55	23.55	24.91	17.85	22.22
126	166.02	70.56	56.14	102.61	97.37	98.54
130	58.64	75.84	52.77	11.12	16.80	43.03
133	95.58					95.58
141	72.00	38.67	31.46	49.05	52.25	48.69
148	37.35	45.08	43.63	28.74	26.38	36.24
151	39.73	67.44	115.54	80.36	50.00	74.61
153	74.58	34.37	32.32	36.04	38.25	43.11
167	12.40	29.84	9.81	12.48	14.03	15.71
191	58.83	52.34	157.66	87.37	36.61	78.56
208	68.54	50.10	32.90	58.57	37.05	49.43
214	44.47	29.90	51.82	46.58	110.82	56.72

TABLE 3 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
216		\$58.35	\$70.33	\$29.53	\$14.38	\$43.15
227	\$22.66	18.27	11.24	17.81	4.66	14.73
228	49.67	63.99	55.91	42.47	84.04	59.22
233	19.46	20.32	15.63	44.71	20.00	24.03
234	50.34	61.33	46.31	45.59	29.55	46.62
235	12.94					12.94
236	49.24	29.89	10.00	35.93	9.67	26.95

TABLE 4  
FOR SUPPLIES

Dist. No.	1931	1932	1933	1934	1935	Average
1					\$28.47	\$28.47
3	\$57.37	\$37.69	\$38.29			44.45
4						
5						
7						
8	1.39	4.20	4.04		1.40	2.75
9			32.30	44.19	31.54	36.01
10				22.28	9.39	15.84
11				14.11	13.94	14.03
12	51.13					51.13
13						
14						
17				13.79		13.79
19						
20						
21						
22		10.00			47.13	28.57
23	43.00					43.00
27					21.69	21.69
32	111.61		2.99	30.65		48.41
33						
36						
40	93.88					93.88

TABLE 4 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
43	\$93.88					\$93.88
49	15.00					15.00
58						
63	12.23	13.24	19.06	10.80		27.67
76						
79						
80						
81					104.53	104.53
88						
103				21.34		21.34
108						
112						
124	103.77					103.77
126				16.10	16.71	16.41
130						
133						
141						
148						
151					19.63	19.63
153						
167						
191						
208						
214						
216						

TABLE 4 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
227						
228						
233					4.09	4.09
234						
235						
236			27.28	.75	15.85	14.63

TABLE 5  
EXPENDITURES FOR LIBRARY FOR RURAL DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$10.68	\$ 9.91	\$12.56	\$46.30		\$19.86
3		10.30		9.64	11.29	10.41
4						
5	10.21	10.85		1.50		7.72
7	10.20	10.28			10.23	10.24
8			8.72		11.14	9.93
9				1.60		1.60
10			1.50		5.51	3.50
11	10.76	10.71		13.24		11.57
12						
13		12.02		9.75		10.88
14						
17	10.05	11.73		1.60	13.82	9.30
19		11.61		1.60		6.61
20	14.06					14.06
21	10.30					10.30
22	10.64			11.29		10.97
23						
27					20.00	20.00
32					2.78	2.78
33					3.00	3.00

TABLE 5 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
36	\$21.41					\$21.41
40						
43						
49						
58					10.00	10.00
63	9.87	6.20			19.59	11.89
76					15.88	15.88
79	10.80					10.80
80	9.60					9.60
81	12.31					12.31
88				1.60		1.60
103						
108	10.00	10.00	10.00	10.00	11.96	10.39
112						
124						
126	24.78					24.78
130	10.00					10.00
133	7.43					7.43
141					10.97	10.97
148						
151				10.00	11.00	10.50
153				10.43		10.43
167						
191						

TABLE 5 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
208		\$ 3.00			\$11.66	\$ 7.33
214			3.25			3.25
216						
227	10.46					10.46
228	10.44	10.42		10.75		10.54
233						
234			1.50			1.50
235	10.25					10.25
236	11.22				9.97	10.60



TABLE 6

EXPENDITURES FOR JANITORS' SALARIES FOR RURAL DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1		\$ 8.00			\$24.47	\$16.24
3						
4						
5						
7						
8	40.00	40.00	40.00	24.00	24.00	33.60
9			7.50			7.50
10						
11						
12	41.00				21.25	31.13
13						
14				16.00		16.00
17		25.00		12.50		18.75
19					4.50	4.50
20						
21						
22			53.00	30.75	53.50	45.75
23					9.00	9.00
27		18.00			23.50	20.75
32	19.00		12.00	9.00	22.00	15.00
33						
36						

TABLE 6 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40						
43						
49	16.00					16.00
58				12.00	16.00	14.00
63	22.00	16.00	16.00	17.50	12.00	16.70
76						
79		129.13			72.00	100.57
80		13.20	7.88			10.54
81					27.00	27.00
88						
103				15.00	15.00	15.00
108						
112	27.86					27.86
124						
126	270.00		300.61	225.00	236.50	258.02
130	12.00		52.94	12.00		25.64
133						
141						
148						
151						
153						
167					15.50	15.50
191	12.00					12.00
208						
214						

TABLE 6 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
216						
227					7.00	7.00
228						
233					20.13	20.13
234						
235						
236	33.00	33.00	25.75	24.00	16.00	26.35

EXPENDITURES FOR FUEL AND SUPPLIES ETC. FOR RURAL SCHOOLS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$41.93	\$95.87	\$62.51			\$66.77
3	36.44	12.00	24.30	24.90		24.41
4	44.95	53.25	18.48	18.00	28.00	32.54
5	47.35	46.18	35.15	41.15	123.35	58.64
7	86.79	54.56	53.11	53.59	18.79	53.37
8	64.00	69.12	76.40	68.81	47.85	65.24
9			94.83	73.06	84.19	84.03
10	101.36	65.96	52.26	68.53	64.37	70.50
11	55.69	16.14	52.85	41.09	36.85	40.52
12	7.00	77.25	67.90	40.50	78.23	54.18
13	76.45	88.23	60.95	63.65	49.50	67.76
14	158.11	64.85	40.00	43.73	93.16	79.97
17	25.00	26.00	25.00	25.64	13.00	22.93
19	56.05	70.26	82.86	86.36	37.59	66.62
20	33.15	68.34	55.49		35.00	62.99
21	38.71					38.71
22	112.14	5.00	94.90	44.00	49.66	61.14
23			23.33	37.00	61.55	40.63
27	123.40		13.50	41.25	47.60	56.44
32	73.30	78.20	33.40	54.45	64.35	60.74
33	58.83	74.96	71.73	59.15	10.00	54.93
36	158.83					158.83
40	27.88	92.09	82.73	58.71	74.17	67.12

TABLE 7 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
43	\$62.66	\$83.99	\$47.77	\$57.13	\$95.87	\$69.48
49	56.92	71.16	59.53			62.54
58	89.07	31.29	46.42	43.47	50.25	52.10
63	45.46	57.80	48.00	60.85	45.83	51.59
76	139.36	117.68	87.92	80.05	63.55	97.71
79	193.80	76.05	135.96	124.25	63.71	118.75
80	142.30	74.32	65.88		57.64	85.04
81	104.69	115.55	65.00	88.90	30.00	80.83
88	32.00	27.50	19.25	23.76	27.00	25.90
103	306.01	90.89	74.32	33.86	78.65	116.75
108	42.08	36.75	37.34	64.08	25.50	41.14
112	33.34	45.57	25.46	21.50	65.75	38.52
124	33.40	35.55	40.85	35.42	35.50	36.14
126	89.00	349.05		65.75	56.17	144.99
130	59.25	75.98	25.90	53.85	65.57	56.11
133	43.67					43.67
141	82.34	66.51	42.41	52.19	34.60	55.61
148	112.83	39.86	58.55	22.20	45.50	55.79
151	89.00	89.83	82.25	58.50	17.50	67.42
153	120.52	80.15	71.61	96.98	40.00	81.85
167	80.85	22.00	17.00	26.40	26.83	34.62
191	46.39	88.62	76.08	103.54	126.83	88.29
208	24.25	33.28	43.91	30.73	33.61	33.16
214	69.51	40.92	56.63	42.40	48.08	51.51

TABLE 7 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
216	\$23.50	\$42.25	\$50.71	\$39.94	\$27.75	\$36.83
227	22.39	39.12	20.48	65.05	32.00	35.81
228	63.00	50.75	55.50	43.54	44.36	51.43
233	26.00	20.00	28.00	28.15	17.75	23.98
234	37.55	32.30	72.40	104.05	40.40	57.34
235	63.57					63.57
236	51.75	45.90	46.00	37.78	29.50	42.19

TABLE 8

EXPENDITURES FOR REPAIR OF BUILDINGS FOR RURAL SCHOOLS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$43.60	\$17.62	\$33.73		\$56.94	\$37.97
3	14.00			16.15	6.00	12.05
4			27.65	8.46	75.42	37.18
5			6.00	3.00		4.50
7		41.00	21.86	21.31	44.50	32.16
8	8.22	3.00	5.67			5.63
9	273.22	63.03	10.00	20.00		91.56
10	18.45	38.93	55.06		3.50	28.98
11	23.98		45.40	12.90	97.93	45.05
12	41.00		37.05	66.41		48.15
13				60.13		60.13
14	11.10	42.21	24.19	33.30	179.01	57.96
17		9.37	19.50	15.00	9.44	13.33
19	62.88	7.66	6.54	4.77	53.80	27.13
20			68.77		113.93	91.35
21						
22	118.00				114.62	116.31
23			3.50		9.47	6.48
27	12.30	4.00	24.22		22.24	15.69
32	18.75	27.50	13.00	5.64	36.55	20.29
33	20.02	2.00		3.50		8.51
36	4.91					4.91

TABLE 8 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	\$ 3.77	\$31.84	\$ 7.03	\$24.87	\$32.96	\$20.09
43	59.60	53.50		24.46	49.09	46.66
49	22.50	17.44	16.00			18.65
58	1.14			8.61	14.00	7.92
63	13.70	17.43	13.50	21.31	180.03	49.39
76	7.45	12.50	34.10	107.52	79.30	48.17
79			28.20		41.16	34.68
80				90.79	45.12	67.95
81				42.10	206.70	124.40
88	23.04				20.88	21.96
103	109.55	6.55	24.45	30.95	2.00	34.70
108		36.03			9.00	22.51
112		66.21	10.86	44.42	42.07	40.89
124	114.51	27.95	54.86	6.00	11.84	43.03
125	72.20	16.65	161.40	17.75	35.86	60.79
130		53.01				53.01
133	6.75					6.75
141	26.16	65.45	28.80	49.08	69.50	47.80
148	7.25	27.40	10.65	26.03	15.00	17.27
151	65.20	135.41		2.43	8.46	52.88
153	12.30	2.90	6.46		45.70	16.84
167	68.10		17.20	19.13	36.79	35.31
191	56.80	16.50	33.70	102.65	15.60	45.05
208	3.04	7.95	15.30	4.60	43.93	14.96



TABLE 8 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
214	\$28.65	\$46.75	\$22.70	\$39.97	\$25.55	\$32.72
216	3.00		43.81	2.00	48.85	24.42
227	69.10	42.65	12.06	15.10		34.98
228	49.12			34.48	44.64	42.75
233	35.15	28.40	5.30		78.65	36.88
234				74.74	235.09	154.92
235	28.75					28.75
236	6.41	17.73		19.88	69.90	28.48

TABLE 9

EXPENDITURES FOR REPAIR OF EQUIPMENT FOR RURAL SCHOOLS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1						
3		11.00				11.00
4						
5	17.43					17.43
7	112.75					112.75
8	11.05					11.05
9			42.90	18.07	83.97	48.31
10				3.75		3.75
11		18.16				18.16
12		70.75				70.75
13						
14						
17	49.67			28.00		38.84
19						
20						
21	60.52					60.52
22		47.00				47.00
23				8.50		8.50
27						
32						
33		10.70				10.70
36						
40						

TABLE 9 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
43			\$36.54			\$36.54
49						
58	\$400.00					400.00
63						
76						
79	31.20			37.26		34.23
80						
81	106.86	5.35	26.03			46.08
88		5.70	5.70			5.70
103					2.00	2.00
108			159.70	7.00		83.35
112						
124	215.08					215.08
126				19.70		19.70
130	32.82			16.65	27.00	25.49
133	9.00					9.00
141						
148			9.90			9.90
151				9.90		9.90
153						
167						
191		8.00				8.00
208						
214						

TABLE 9 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
216		\$ 1.25				\$1.25
227						
228		6.62	9.70			8.16
233						
234		45.05				45.05
235						
236		25.00		.72		12.86

CHEFTAIN BOND

TABLE 10

## EXPENDITURES FOR TRANSPORTATION OF PUPILS FOR RURAL DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1						
3						
4						
5						
7			\$27.00	\$50.10	\$27.00	\$34.70
8						
9						
10						
11						
12						
13						
14		\$141.80	198.50	190.00	214.50	186.20
17						
19						
20						
21						
22						
23						
27						
32						
33			45.60			45.60
36						

TABLE 10 (continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40						
43						
49		\$30.00	\$70.00	\$285.20	\$271.20	\$164.10
58						
63						
76						
79						
80				104.25	103.80	104.03
81						
88						
103						
108						
112						
124						
126						
130						
133						
141						
148						
151						
153						
167						
191						
208						

TABLE 10 (continued)

Dist. No.	1931	1932	1933	1934	1935	Average
214				\$ 8.00		\$ 8.00
216						
227						
228						
233			\$35.00	35.00		35.00
234						
235						
236			20.00	53.60	49.60	41.06

CHIEFTAIN BOND

TABLE 11  
EXPENDITURES FOR OTHER EXPENSES FOR RURAL DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1		\$ .25				\$ .25
3		16.78	\$ 8.66			12.72
4						
5		3.05	5.67	2.00		3.57
7						
8	46.23	18.30	6.65	3.25	48.16	24.52
9	11.20		3.80			7.50
10	5.32	12.35	1.30	.78		4.94
11	30.31					30.31
12	24.15					24.15
13	70.00					70.00
14			.05			.05
17	78.00	65.00	69.40	60.00	55.20	65.52
19	5.00		4.40			4.70
20	48.89					48.89
21	31.50					31.50
22				28.20		28.20
23	75.59	102.28	9.50	.58		46.99
27	12.00	18.93	22.30	5.70		14.73
32	66.90			16.75		41.82
33		6.72	2.03	4.76		4.50
36	72.62					72.62



TABLE 11 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	\$10.55		\$10.30	\$ 7.35		\$ 9.40
43	5.00	3.05		5.00		4.35
49	21.00	19.64	19.50			20.05
58						
63						
76						
79						
80	23.80		27.25	44.33	26.52	30.43
81	55.85	20.00				37.93
88						
103			12.40			12.40
108		5.00	9.80		16.00	10.27
112	55.40	34.52		.62		30.25
124		10.00				10.00
126	10.55	7.50			28.25	15.43
130			1.84			1.84
133						
141	5.00		.25			2.63
148	1.50					1.50
151	299.13			9.90		154.52
153		3.20				3.20
167	5.00					5.00
191	5.00	8.32				6.66
208	22.64	.60				11.62

TABLE 11 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
214	300.00					300.00
216	415.00		2.25			208.63
227	58.00					58.00
228					30.00	30.00
233	31.97	53.40	21.25			35.54
234	15.71	101.23	13.84			43.59
235	5.90					5.90
236	33.02	7.85	175.84	.72	21.02	47.71

GUARANTY BOND

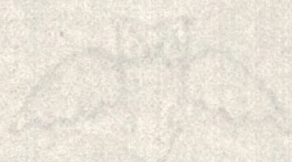


TABLE 12

EXPENDITURES FOR TEACHERS' SALARIES FOR RURAL SCHOOLS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$630.00	\$616.50	\$480.00	\$400.00	\$360.00	\$497.30
3	640.00	648.00	578.00	525.00	405.00	559.20
4	595.00	600.00	440.00	245.00	280.00	432.00
5	720.00	675.00	675.00	450.00	450.00	594.00
7	810.00	735.00	603.00	513.00	542.73	640.75
8	590.00	560.00	520.00	336.00	336.00	458.40
9	837.50	765.00	675.00	606.50	495.00	676.00
10	656.00	560.00	560.08	350.00	332.50	491.72
11	680.00	640.00	560.00	480.00	480.00	568.00
12	850.00	810.00	810.00	720.00	495.00	737.00
13	455.00	525.00	490.00	350.00	350.00	434.00
14	810.00	765.00	675.00	580.00	436.50	653.30
17	640.00	520.00	520.00	320.41	360.00	472.08
19	600.00	600.00	520.00	360.00	360.00	488.00
20	449.00	492.85	388.72	320.00	321.38	394.39
21	525.00					525.00
22	675.00	675.00	540.00	540.00	495.00	585.00
23	560.00	560.00	240.00	315.50	342.00	403.50
27	765.00	720.00	525.00	600.00	360.00	594.00
32	810.00	720.00	675.00	495.00	540.00	648.00
33	525.00	540.00	490.00	350.00	280.00	437.00
36	720.00					720.00

TABLE 12. (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	765.00	605.00	480.00	440.00	320.00	522.00
43	555.00	544.00	504.00	459.00	355.00	483.40
49	675.00	675.00	585.00			645.00
58	525.00	525.00	455.00	294.00	299.00	419.60
63	765.00	720.00	540.00	382.50	382.50	544.00
76	646.07	642.24	470.00	360.00	360.00	495.66
79	1620.00	1440.00	1440.00	1080.00	1080.00	1332.00
80	715.00	630.00	300.00	450.00	555.00	530.00
81	1520.00	1395.00	1305.00	1095.00	1118.50	1286.00
88	600.00	560.00	480.00	360.00	360.00	472.00
103	720.00	600.00	663/25	495.00	495.00	554.65
108	600.00	600.00	520.00	400.00	400.00	504.00
112	715.00	765.00	765.00	630.00	405.00	656.00
124	560.00	560.00	500.00	320.00	360.00	460.00
126	2415.00	2385.00	1912.50	1507.50	1537.50	1951.50
130	845.00	765.00	540.00	495.00	495.00	628.00
133	645.00					645.00
141	670.00	630.70	541.00	405.00	405.76	530.49
148	680.00	680.00	522.50	360.00	360.00	520.50
151	765.00	765.00	675.00	607.50	585.00	679.50
153	810.00	765.00	765.00	585.00	450.00	655.00
167	595.00	564.20	480.00	320.00	280.00	447.84
191	850.00	810.00	720.00	495.00	450.00	665.00

TABLE 12. (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
208	680.00	675.00	600.00	400.00	400.00	551.00
214	640.00	560.00	605.00	560.00	565.00	586.00
216	220.00	520.00	480.00	320.00	320.00	372.00
227	640.00	490.00	455.00	440.00	360.00	477.00
228	855.00	810.00	720.00	482.20	483.35	670.11
233	640.00	600.00	520.00	320.00	360.00	488.00
234	830.00	805.00	595.00	443.50	445.00	623.70
235	525.00					525.00
236	714.00	600.00	520.00	415.00	400.00	529.80

TABLE 13

## EXPENDITURES FOR TOTAL ORDERS ISSUED IN RURAL DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$825.13	\$865.26	\$676.15	\$544.05	\$523.28	\$686.77
3	810.92	807.79	717.50	689.45	488.19	700.77
4	687.74	774.40	549.07	305.93	423.28	546.28
5	846.29	815.38	903.47	609.53	667.44	768.42
7	1133.27	944.98	831.75	744.91	735.22	678.02
8	835.45	784.96	718.24	478.83	520.96	667.53
9	1255.78	943.99	960.09	826.34	942.74	985.78
10	952.95	760.37	732.35	476.16	459.37	676.24
11	875.65	736.55	734.10	604.48	666.43	723.44
12	1106.65	1117.36	1022.10	939.51	753.11	987.75
13	681.52	670.18	609.38	527.51	450.13	587.74
14	1105.70	1173.97	1076.40	976.46	1087.12	1083.93
17	895.66	692.27	682.77	507.56	520.37	659.73
19	847.40	765.24	681.30	477.96	518.79	658.13
20	560.33	590.30	560.08	438.11	495.31	628.83
21	680.83					680.83
22	1083.45	984.06	915.55	846.71	913.46	948.45
23	719.32	745.56	348.38	422.56	530.46	553.26
27	988.39	826.61	654.39	718.64	596.98	757.00
32	1850.28	974.74	994.43	728.46	832.42	1076.05
33	659.73	647.31	675.91	464.09	331.91	555.79
36	1048.31					1048.31

TABLE 13 (continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	\$1030.89	\$799.98	\$682.67	\$603.60	\$497.69	\$722.97
43	742.11	772.14	658.40	600.30	573.55	669.30
49	863.17	850.50	784.09	320.46	291.84	622.01
58	1043.06	997.17	592.10	604.15	426.73	732.64
63	905.80	990.29	671.54	525.57	697.03	758.04
76	846.00	813.08	650.07	607.16	544.93	692.25
79	1982.30	2259.13	1783.87	1509.20	1692.35	1845.37
80	950.83	813.28	488.57	632.02	771.07	731.15
81	2004.06	1638.82	1754.53	1487.19	1585.19	1693.96
88	710.97	663.55	546.95	453.40	459.25	566.83
103	1187.56	814.48	869.30	713.34	837.82	884.52
108	739.14	765.97	790.80	546.71	519.21	672.37
112	954.11	1095.36	941.27	853.39	646.26	898.08
124	1071.56	717.55	669.07	434.86	460.15	670.64
126	3112.85	2895.78	2503.66	2046.46	2100.46	2531.84
130	1063.88	1013.99	709.45	639.37	651.03	815.54
133	837.42					837.42
141	903.50	855.33	695.17	631.32	639.19	744.88
148	844.46	797.89	635.33	474.31	497.88	649.97
151	1313.06	1132.91	954.54	838.29	750.36	997.83
153	1172.65	926.07	916.70	776.08	616.47	881.61
167	808.34	713.43	589.58	439.50	417.89	493.75
191	1246.48	1069.74	1044.16	831.45	841.73	1006.71
208	842.90	816.90	746.13	519.50	1162.63	817.61

TABLE 13 (continued)

Dist. No.	1931	1932	1933	1934	1935	Average
214	\$1134.45	\$716.27	\$776.40	\$749.20	\$1284.02	\$932.06
216	692.66	797.96	675.05	537.47	446.98	630.78
227	846.61	614.04	531.78	561.96	445.31	599.96
228	1053.04	967.99	884.98	664.58	714.24	856.96
233	815.03	722.14	625.18	454.12	705.07	684.96
234	1030.83	1110.78	750.78	703.46	784.60	876.09
235	679.15					679.15
236	930.14	790.37	855.87	630.51	667.70	774.91



TABLE 14

PUPILS ATTENDANCE IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	170	155	167	172	174	167.6
15	273	259	306	317	309	292.8
16	166	161	172	211	232	188.4

TABLE 15

EXPENDITURES FOR GENERAL CONTROL IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1		\$208.05	\$ 262.45	\$ 199.29	\$ 199.62	\$ 217.35
15	\$1000.00	435.00	3470.83	2892.85	2767.92	2113.32
16	159.02	127.29	301.40	144.82	269.94	200.49

TABLE 16.

EXPENDITURES FOR TEXT BOOKS IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	878.07	230.87	334.50	411.19	242.02	420.53
15	1000.00	500.00	526.90	557.64	697.14	656.34
16	405.94	313.57	382.86	521.05	495.59	423.80

TABLE 17

EXPENDITURES FOR SUPPLIES IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$168.54		\$ 90.93	\$ 93.89	\$145.18	\$119.71
15	3000.00	\$1000.00	1126.25	1238.73	917.23	1456.44
16	174.61	879.09	283.32	543.50	1257.32	627.57

TABLE 18

EXPENDITURES FOR SUPPLIES IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$ 84.29	\$107.53	\$ 95.58	\$140.49	\$113.91	\$108.36
15	1014.24	175.00	354.44	415.39	311.70	454.15
16	83.50	88.52	1.99	63.86	220.49	91.67

TABLE 19

EXPENDITURES FOR JANITORS SALARIES  
IN INDEPENDENT DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$1000.00	\$547.45	\$ 544.00	\$ 542.00	\$ 540.00	\$ 634.49
15	1609.00	1375.00	1590.00	1345.00	1695.00	1522.80
16	650.00	525.00	450.00	358.79	450.00	486.76

TABLE 20.

EXPENDITURES FOR FUEL, SUPPLIES & ETC.  
IN INDEPENDENT DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$ 563.68	\$ 677.85	\$ 616.53	\$ 732.39	\$ 648.98	\$ 647.89
15	1134.86	2220.00	1451.61	1758.85	1929.59	1689.98
16	590.26	604.88	508.18	616.87	698.30	603.70

TABLE 21

EXPENDITURES FOR REPAIR OF BUILDINGS  
IN INDEPENDENT DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$1426.05	\$ 86.96	\$132.05	\$ 124.28	\$360.07	\$425.88
15	1193.27	100.00	405.00	1829.54	335.24	772.61
16	60.50	569.48	12.20	63.42	376.65	216.45

TABLE 22

EXPENDITURES FOR REPAIR OF EQUIPMENT  
IN INDEPENDENT DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1		\$ 6.07	\$15.54	\$ 81.22	\$193.95	\$ 74.20
15	\$1000.00	100.00		405.11		501.70
16	194.02	44.73	35.43	432.55	150.52	171.45

TABLE 23

EXPENDITURES FOR TRANSPORTATION OF PUPILS  
IN INDEPENDENT DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$ 893.12	\$ 888.95	\$ 724.05	\$ 829.25	\$ 949.50	\$ 856.97
15		250.00	69.60	52.20	53.20	106.25
16	1858.50	1861.00	1746.30	1965.17	2375.82	1961.36

TABLE 24

EXPENDITURES FOR OTHER EXPENSES  
IN INDEPENDENT DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$ 326.99	\$266.09	\$350.77	\$ 231.76	\$152.20	\$ 265.94
15	6675.63	172.63	602.81	2097.78	248.35	1959.94
16	33.79	59.17	166.29	396.70		163.99

TABLE 25

EXPENDITURES FOR TEACHERS SALARIES.  
IN INDEPENDENT DISTRICTS OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$ 7989.01	\$ 7425.00	\$ 6929.50	\$ 5814.95	5814.95	6794.68
15	17929.90	18635.85	12938.55	11713.25	11519.67	14547.44
16	7707.50	7515.00	6741.00	5498.75	6506.75	6793.80

TABLE 26

TOTAL ORDERS ISSUED IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	13621.21	11404.64	12637.17	12530.41	12802.24	12599.13
15	33556.90	26963.48	23286.94	25365.27	22240.00	26282.52
16	13462.12	12993.64	11707.89	11132.52	18532.86	13565.81

TABLE 27

COMPARISON OF PER PUPIL COST FOR 1935 FOR RURAL AND  
INDEPENDENT DISTRICTS OF RED LAKE COUNTY.

	Ind. Dist. 715 Pupils. High and Graded Ele. Schools	Common Dist. 996 Pupils Ungraded Ele. Schools
General Control	\$ 4.52	\$ 1.70
Teachers Salaries	33.03	22.59
Textbooks	2.02	1.87
Supplies	3.21	.31
Library	.90	.17
Janitors Supplies, Fuel Etc.	4.58	2.37
Repair of Buildings	1.49	2.37
Repair of Equipment	.48	.11
Transportation	4.72	.66
Other Expenses	.56	.22
Land, New Buildings and Equip.	1.74	.72
Redemption of Bonds	11.18	1.22
Interest on Bonds	.26	.005
Total	<u>\$72.41</u>	<u>\$34.91</u>

CHAPTER 3  
SOURCES OF PRESENT SUPPORT AND  
EFFORTS TO SUPPORT

The following tables show ability to support and effort to support schools in independent and common school districts. A study of these tables very quickly shows that the ability of common school districts far exceeds that of independent school districts.

The common school districts have a per-pupil valuation of \$2097 as compared to a per-pupil valuation of \$857 in the independent districts. In other words, they have  $2\frac{1}{2}$  times as much taxable wealth per pupil enrolled in the schools as the independent districts have.

Table 40 also reveals that the effort of the independent districts as evidenced by the tax rate is more than twice as great on farm lands and almost 4 times as great on non-agricultural property. People living in towns support high schools not only for themselves but also for the adjacent rural districts. It is true that the state pays tuition to the high schools for those outside the district but that tuition does little more than pay for expense of operation. It does not in any way help to pay for the buildings necessary to house the schools.

Another item of interest in Table 40 is the per-pupil aid paid by the state. It is nearly three times as great

for independent districts as that paid the common districts.

The conclusions that can be drawn from the tables in this chapter are that independent districts make greater effort to support schools and the state gives them a greater reward for doing so.

TABLE 28  
EXPENDITURES FOR TAX RATES FOR RURAL DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	10.3	9	9.7	10.7	9.5	9.85
3	15.2	10	22.3	22.7	4.4	14.92
4	12.6	12	12.2	12.7	12.4	12.38
5	22.7	27.2	22.3	5	27	20.84
7	18.9	14.7	10.3	12.1	11.7	13.54
8	13.6	13.8	11	11.1	9	11.7
9	18.4	18.6	19	15.2	9	16.04
10	7.7	11	6.1	5	5	6.96
11	12.2	7.4	6.5	6	5	7.42
12	20	25.1	28.3	20.6	7.3	20.26
13	17.1	11.7	12.1	14.5	14.9	14.06
14	12.6	14	14.7	19	18	15.66
17	14.5	18.8	19.2	17.9	4.3	14.94
19	18.7	15.2	13.8	12	13.2	14.58
20	32	23.2	17.3	9.3	9	18.16
21	11.1	1	1	6	8	5.42
22	18.5	18.5	23.5	20.7	10.6	18.36
23	15.5	16	21.4	27	26	21.18
27	11.2	9.3	8.8	8.5	9.3	9.52
32	14.3	19.2	19	19.5	18.8	18.16
33	10.9	13	14.1	15.6	10.6	12.84
36	14	2	5.6	7.3	10	7.78



TABLE 28 (continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	10.7	12.3	7	5	5	8
43	12.3	11.5	17.5	14.3	7.4	12.6
49	15	18.1	18.5	6.8	1	11.88
58	19.5	20.1	13	14.8	9.6	15.4
63	10.6	12.8	9.8	9.1	7.4	9.94
76	14.6	16.7	13.9	17.4	16.5	15.82
79	14.3	23	23.7	22	31	22.8
80	18.2	17.3	19.6	18.1	16.7	17.98
81	18.4	24.6	23.1	27.5	26.3	23.98
88	12.1	14.3	14.3	11.2	14.7	13.32
103	16	13.8	9.9	11.7	11.1	12.5
108	7.7	8.3	9	7.9	6.7	7.92
112	12.5	15.2	15.6	14.7	11.4	13.88
124	18.7	14.3	10.5	8.7	7.4	11.92
126	21.5	8	21.½	8	21.5	16
130	6.5	9.6	10.6	8.4	4.1	7.84
133	6.3	7.4	5	5	4.7	5.68
141	13.7	11.4	11	14.6	9.9	12.12
148	17	24.6	23.2	30.6	27	24.48
151	31.6	27.4	30.7	33.8	33.2	31.34
153	5.8	8	14.4	19.2	18.3	13.14
167	11.8	13.7	11.6	9.2	6.7	10.6
191	26.2	26	27.2	30	30.4	27.96
208	17.3	17.4	34	17.3	14.8	20.16

TABLE 28 (continued)

Dist. No.	1931	1932	1933	1934	1935	Average
214	29.6	27.7	32.8	18.1	14.8	24.6
216	15.3	27.6	28.3	32.7	20.3	24.44
227	20.1	14.7	15	24.8	26.9	20.3
228	12.9	13	17.7	18.7	17.5	15.96
233	10.7	12.5	12.5	15.5	13.2	12.88
234	28.6	17.5	11.1	13	12	16.44
235	24.7	36.9	18.4	7.7	7.3	19
236	23	20.7	23.6	25.7	21.4	22.88

TABLE 29.

TAXABLE VALUATION IN COMMON DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	47,933	32,984	34,491	31,554	31,922	35776
3	47,456	47,669	37,512	29,867	30,103	38632
4	51,312	36,640	35,796	34,281	34,632	36521
5	32,227	26,760	25,881	19,443	20,816	25025
7	50,376	43,831	43,207	36,156	37,486	42211
8	39,546	31,234	30,505	24,736	25,067	30217
9	53,918	47,734	45,348	35,292	36,731	43824
10	59,777	50,765	49,453	36,079	38,237	46864
11	55,730	46,744	45,623	34,216	36,049	43672
12	42,408	33,145	33,017	30,968	31,833	32474
13	34,942	28,121	27,114	20,319	21,599	26419
14	51,681	46,075	43,954	33,902	35,036	43129
17	44,514	39,292	35,748	32,471	33,300	37065
19	39,574	31,636	31,265	22,902	24,652	30045
20	19,370	15,750	15,309	12,061	12,875	15073
21	19,824	14,222	13,951	10,261	4,519	12555
22	57,170	45,845	44,484	40,621	41,712	45966
23	27,645	19,963	19,610	17,228	17,984	20486
27	48,939	36,449	35,538	29,886	31,406	36443
32	58,385	43,392	43,583	37,750	39,447	44515
33	40,561	33,362	30,494	24,600	26,062	31015
36	76,736	49,976	49,230	47,364	40,773	52815

TABLE 29. (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	71,857	57,712	56,731	45,977	48,144	56084
43	44,492	38,115	36,281	30,018	31,122	36005
49	50,226	40,826	40,111	34,777	36,325	40453
58	32,563	26,303	25,211	20,893	23,182	25630
63	62,560	46,600	45,527	37,176	39,140	46200
76	36,729	31,781	31,042	24,449	25,968	29993
79	90,301	67,934	66,180	55,160	57,370	67389
80	41,209	36,757	36,882	34,264	35,642	36950
81	75,597	57,843	56,510	46,567	48,824	57068
88	37,061	30,885	30,293	24,551	25,617	29681
103	53,588	46,812	45,191	37,373	39,784	44549
108	49,758	38,981	37,529	36,010	35,497	39553
112	61,282	49,296	47,970	36,476	38,570	46718
124	47,530	38,823	37,545	31,045	31,526	37293
126	91,031	77,589	74,976	54,378	56,501	70895
130	73,077	58,041	57,202	47,076	48,802	56839
133	66,275	54,913	56,408	40,935	43,199	52346
141	66,539	59,660	58,620	41,417	43,113	53887
148	58,731	39,199	41,011	30,214	31,855	40202
151	43,952	38,126	37,490	32,071	33,434	37014
153	63,692	52,517	51,357	41,432	31,798	48159
167	55,763	43,169	42,520	34,064	35,474	42196
191	50,705	37,970	36,892	26,532	16,578	33735

TABLE 29 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
208	46,126	37,730	36,399	28,276	28,980	35502
214	47,186	39,195	38,597	26,450	28,936	36072
216	40,887	30,118	29,335	25,206	25,997	30308
227	32,415	26,478	26,147	22,721	23,309	26214
228	46,407	34,990	34,198	29,178	30,742	35103
233	46,326	39,784	39,127	30,955	32,902	37820
234	34,866	30,376	29,639	24,877	27,242	29400
235	27,830	22,318	21,321	18,767	19,713	21789
236	44,400	38,264	37,863	29,544	30,541	36122

TABLE 30  
 SPINICAL TAX IN COMMON DISTRICTS  
 OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$627.50	\$460.53	\$192.35	\$298.52	\$405.13	\$396.75
3	619.99	637.11	327.85	414.54	832.63	566.42
4	386.26	476.73	224.07	332.65	584.41	400.42
5	453.84	488.55	448.67	530.98	316.60	447.73
7	821.42	658.85	479.68	650.01	633.58	648.71
8	325.17	405.10	222.51	324.24	349.13	325.23
9	461.47	575.08	656.60	641.60	797.46	626.44
10	384.08	342.96	387.76	352.54	334.50	360.36
11	492.22	533.67	328.44	378.58	210.87	388.76
12	985.10	749.58	665.53	717.45	785.65	780.67
13	349.30	311.60	279.66	252.22	237.72	286.10
14	413.22	532.15	346.43	617.01	763.24	534.41
17	382.08	251.06	339.46	626.95	521.53	424.22
19	524.42	536.08	407.33	512.69	317.68	459.64
20	437.50	415.65	285.59	275.47	237.74	330.39
21	512.63					512.63
22	806.98	655.04	397.97	297.93	764.60	626.50
23	394.18	245.98	222.53	153.31	521.66	307.49
27	483.14	486.40	224.93	364.20	228.45	257.42
32	510.67	608.43	581.27	806.98	860.19	673.51
33	363.19	304.36	242.58	321.82	397.47	325.88
36	726.78					726.78
40	929.07	736.65	525.55	508.86	472.30	634.49

TABLE 30. (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
43	\$490.00	\$425.43	\$395.76	\$433.17	\$418.61	\$432.59
49	448.09	378.31	384.30	754.55	686.57	530.36
58	406.76	463.81	308.10	299.75	312.13	358.11
63	579.93	499.37	280.14	328.91	459.50	429.57
76	336.36	380.50	339.99	373.21	327.58	351.53
79	711.38	720.72	729.58	1172.99	1265.28	919.99
80	555.16	537.37	321.58	417.71	643.09	494.98
81	1212.29	948.80	564.32	1168.03	901.13	958.91
88	422.98	345.84	275.15	533.44	362.59	388.00
103	866.03	727.13	504.14	470.21	503.59	614.22
108	389.92	271.42	170.40	273.84	354.20	291.96
112	660.69	500.82	492.58	654.00	646.88	590.99
124	472.64	687.89	397.75	487.31	505.25	510.17
126	534.82	1120.88	933.72	994.57	1082.35	933.27
130	601.21	540.39	343.52	496.91	527.65	501.95
133	270.19					270.19
141	443.56	493.89	394.17	408.76	649.98	478.07
148	318.65	312.19	207.91	379.56	510.77	345.82
151	701.67	616.90	351.39	601.00	753.79	604.95
153	500.24	299.26	235.94	407.76	544.37	397.51
167	364.20	394.22	388.70	456.32	517.08	424.10
191	914.15	683.87	313.23	363.19	392.02	533.29
208	606.61	529.75	411.14	372.91	362.91	456.66
214	596.85	841.70	357.13	593.73	765.84	631.05

TABLE 30 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
216	\$692.43	\$334.42	\$310.81	\$576.05	\$492.88	\$481.32
227	726.98	656.03	246.69	316.27	201.77	429.55
228	377.30	332.11	276.33	392.80	420.97	359.96
233	473.40	328.33	238.24	442.04	326.64	361.73
234	492.12	653.10	490.29	269.04	222.48	425.40
235	507.35					507.35
236	451.26	466.65	375.56	392.17	316.66	400.46



TABLE 31

ANNUAL STATE AID IN COMMON DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$125.55	\$ 84.46	\$117.72	\$105.92	\$101.52	\$107.03
3	125.55	122.85	118.77	165.01	104.22	127.28
4						
5	125.55	176.10	306.00	301.75	239.89	229.88
7	125.55	126.05	148.22	102.87	101.52	120.84
8	125.55	122.85	117.72	138.56	101.52	121.24
9	125.55	122.85	117.72	135.27	101.52	120.58
10	125.55	122.85	117.72	124.14	76.14	113.28
11	125.55	126.05	121.22	178.17	101.52	130.50
12	125.55	122.85	117.72	102.87	169.20	127.64
13	94.16	92.14	92.49	141.85	78.84	99.96
14	125.55	122.85	259.72	102.87	101.52	142.50
17	125.55	125.73	117.72	102.87	101.52	114.66
19	125.55	122.85	117.72	258.74	101.52	145.08
20	157.17	167.00	166.55	266.51	79.14	187.27
21	226.71					226.71
22	128.90	126.05	117.72	210.97	233.41	163.41
23	125.55	122.85	117.72	231.95	236.88	166.79
27	125.55	122.85	117.72	144.86	101.52	122.50
32	125.55	122.85	117.72	102.87	101.52	114.10
33	94.16	94.06	88.29	106.60	76.14	91.85
36	125.55					125.55

TABLE 31 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	\$125.55	\$122.85	\$117.72	\$102.87	\$101.52	\$114.10
43	138.60	122.85	81.98	68.58	101.52	100.71
49	125.55	122.85	147.72	102.87	101.52	120.10
58	94.16	92.14	88.29	95.83	79.14	89.91
63	125.55	126.05	117.72	264.79	101.52	147.13
76	125.55	122.85	117.72	248.98	101.52	143.32
79	251.10	248.58	235.44	1528.65	1148.30	682.41
80	125.55	122.85	117.72	278.15	101.52	149.16
81	209.25	248.58	238.94	1072.17	758.02	505.39
88	125.55	122.85	117.72	117.87	101.52	117.10
103	125.55	122.85	117.72	146.25	101.52	122.78
108	125.55	122.85	117.72	204.95	101.52	154.52
112	125.55	122.85	121.22	102.87	101.52	114.80
124		122.85	117.72	102.87	101.52	111.24
126	251.10	253.70	1600.12	205.74	1570.18	776.17
130	125.55	126.05	120.87	102.87	101.52	115.37
133	125.55					125.55
141	125.55	122.85	117.72	159.51	101.52	125.43
148	125.55	122.85	117.72	173.04	101.52	128.14
151	125.55	152.88	184.88	233.03	104.82	160.29
153	125.55	122.85	117.72	102.87	104.52	114.70
167	125.55	122.85	117.72	149.22	101.52	123.37
191	125.55	122.85	117.72	126.97	104.22	119.46
208	125.55	127.65	117.72	244.10	101.52	143.31

TABLE 31 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
214	\$125.55	\$122.85	\$117.72	\$133.40	\$101.52	\$120.21
216	125.55	122.85	117.72	102.87	101.52	114.10
227	125.55	126.05	88.29	77.15	101.52	103.71
228	125.55	126.05	121.22	125.90	104.52	120.64
233	94.16	122.85	117.72	161.17	101.52	119.48
234	125.55	537.81	545.70	126.01	101.52	287.32
235	113.95					113.95
236	125.55	126.37	117.72	105.75	104.40	115.96

TABLE 32  
ONE MILL TAX IN COMMON DISTRICTS  
OF RED LAKE COUNTY.

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$44.27	\$44.80	\$20.24	\$35.30	\$44.10	\$37.74
3	45.67	43.81	29.02	28.43	43.68	38.12
4	44.15	41.09	19.70	30.19	50.46	37.12
5	23.30	24.17	18.95	23.29	19.84	21.91
7	37.68	33.89	28.97	46.17	51.60	39.66
8	27.75	30.85	17.20	26.34	32.13	26.85
9	46.74	43.27	39.85	37.64	51.14	43.73
10	50.46	57.56	47.61	43.76	59.13	51.70
11	50.65	51.86	36.60	54.85	36.54	46.10
12	44.31	35.45	32.73	25.75	31.53	33.95
13	34.91	34.12	25.55	22.65	13.14	26.07
14	42.78	47.35	28.25	48.23	51.23	43.57
17	62.94	24.12	22.29	38.56	36.69	36.92
19	42.78	37.02	24.64	35.94	24.82	33.04
20	16.28	15.08	11.08	12.64	14.98	14.01
21	22.54					22.54
22	54.84	40.42	22.75	30.62	39.51	37.63
23	26.66	16.30	15.16	9.72	26.98	18.96
27	44.43	43.56	24.14	40.67	29.39	36.44
32	50.85	55.87	39.44	47.88	48.92	48.59
33	37.48	30.53	22.52	25.11	30.88	29.30

TABLE 32 (Continued).

Dist. No.	1931	1932	1933	1934	1935	Average
36	60.58					60.58
40	69.36	62.08	48.33	52.51	67.95	60.05
43	51.76	39.08	35.94	33.52	27.70	37.60
49	41.85	28.08	25.33	50.42	51.09	39.35
58	27.24	29.45	17.96	19.68	21.53	23.17
63	62.73	52.83	25.83	32.20	49.34	44.62
76	32.45	31.37	23.15	27.50	23.44	27.58
79	84.71	60.11	42.08	59.23	63.14	61.85
80	38.12	34.61	19.11	23.80	38.37	30.80
81	71.80	52.61	28.12	56.09	38.65	49.45
88	39.31	31.30	22.93	41.98	29.76	33.06
103	55.60	49.96	36.06	40.52	45.80	45.58
108	41.73	36.42	24.27	32.98	47.60	36.60
112	63.47	43.86	38.13	47.44	46.33	47.85
124	43.69	43.16	25.42	37.36	49.06	39.74
126	89.59	85.54	68.77	71.44	71.98	77.46
130	67.99	70.63	48.22	50.76	61.15	59.75
133	59.53					59.53
141	59.83	59.59	44.64	49.84	79.93	58.77
148	46.53	40.33	22.43	32.23	45.75	37.47
151	34.44	29.93	17.71	30.66	40.44	30.64
153	69.18	50.97	40.88	42.16	42.30	49.10
167	62.77	45.29	33.40	38.61	52.19	46.45
191	45.56	44.14	28.21	27.22	29.47	34.92

TABLE 32 (Continued).

Dist. No.	1931	1932	1933	1934	1935	Average
208	\$41.43	\$37.36	\$29.76	\$30.49	\$31.22	\$34.05
214	36.18	51.52	23.41	36.41	47.03	38.91
216	43.09	26.05	15.03	26.51	21.64	26.47
227	34.52	34.36	21.37	29.07	23.74	28.61
228	35.24	29.37	22.87	29.89	27.33	26.74
233	48.47	34.12	24.55	43.16	26.51	35.36
234	31.80	31.32	23.20	17.58	17.91	24.36
235	27.18					27.18
236	40.48	40.47	33.70	32.82	28.58	35.21

TABLE 33  
 APPORTIONMENT IN COMMON DISTRICTS  
 OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$ 89.77	\$116.60	\$ 94.12	\$106.47	\$118.33	\$105.06
3	69.30	112.50	127.15	122.85	94.66	103.29
4		30.00	33.91	69.10	63.11	49.03
5	161.70	135.00	188.84	155.61	126.22	153.47
7	115.50	165.00	197.84	204.76	212.99	179.22
8	161.70	187.50	212.58	139.23	102.55	160.71
9	231.00	217.50	111.92	196.56	220.89	195.75
10	269.50	232.50	194.97	171.98	126.22	198.83
11	154.00	165.00	198.37	161.09	118.68	159.43
12	130.90	120.00	135.63	114.66	149.88	130.07
13	130.90	90.00	101.72	65.51	77.25	93.08
14	146.30	202.50	221.57	196.55	157.77	184.94
17	188.82	193.06	178.02	155.61	205.77	184.26
19	115.50	120.00	119.48	98.28	78.88	77.49
20	69.30	52.50	84.77	98.28	94.66	79.90
21	106.50					106.50
22	161.70	165.00	188.84	204.76	212.99	186.66
23	61.60	52.50	42.38	49.14	78.89	56.90
27	215.60	180.00	271.26	237.51	236.66	228.21
32	207.90	202.50	222.97	171.98	197.22	200.51
33	202.64	202.93	136.81	171.98	126.22	168.12
36	177.50					177.50

TABLE 33 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
40	\$146.30	\$180.00	\$135.63	\$147.42	\$ 63.11	\$134.49
43	77.00	161.46	171.07	155.61	134.11	139.85
49	107.80	112.50	76.29	57.33		88.48
58	169.22	146.75	127.15	122.85	134.11	140.02
63	146.30	112.50	118.67	106.47	126.22	122.03
76	146.30	150.00	198.50	171.98	78.88	149.13
79	500.50	487.50	636.94	581.49	536.43	548.57
80	53.90	52.50	59.34	67.57	102.57	67.17
81	338.80	330.00	391.10	384.92	370.77	363.12
88	69.30	82.50	76.29	81.90	71.00	76.20
103	100.10	97.50	118.67	106.47	542.00	192.95
108	123.20	112.50	127.15	106.47	110.24	115.91
112	184.80	180.00	211.92	196.55	189.33	192.52
124	61.60	90.00	93.24	98.29	86.77	85.98
126	546.70	570.00	754.43	737.09	694.91	660.63
130	231.00	180.00	179.19	180.18	149.88	184.05
133	242.84					242.84
141	123.20	172.50	196.34	188.37	205.11	177.10
148	177.86	202.93	188.84	101.18	149.88	179.94
151	184.80	172.50	203.44	188.37	149.88	179.80
153	107.80	120.00	127.15	114.66	142.00	122.32
167	84.70	90.00	112.55	73.73	71.00	86.39
191	209.50	271.56	262.79	237.51	205.11	237.29



TABLE 33 (Continued)

Dist. No.	1931	1932	1933	1934	1935	Average
208	\$169.40	\$180.00	\$194.97	\$155.61	\$142.00	\$168.40
214	161.70	181.00	194.97	196.55	228.78	192.60
216	30.80		93.24	98.28	102.85	65.03
227	77.00	60.00	67.72	57.33	71.00	66.61
228	215.60	255.00	262.74	253.88	205.11	238.47
233	115.50	120.00	118.67	122.85	118.33	119.07
234	254.10	240.00	262.78	237.51	236.66	246.21
235	46.20					46.20
236	185.56	184.25	170.72	131.04	102.55	154.82

TABLE 34  
TAX RATES

Dist. No.	1931	1932	1933	1934	1935	Average
1	60.5	51.7	55.8	59.4	52.94	56.06
15	70.8	54.7	30.2	24.8	35.39 Agr.	35.39 Agr.
16	63.5	61	61.7	62.8	51.30	60.26
			70.2	58.4	52.90	61.32
					35.35 Agr.	35.35

TABLE 35

EXPENDITURES FOR TAXABLE VALUATION IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$141283	\$114051	\$107537	\$90733	\$92140	\$109136
15	418326	420258	413117	352227	335606	367906
16	140571	116509	110123	95857	96958	112003

TABLE 36

EXPENDITURES FOR SPECIAL TAX IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$5329.14	\$5579.86	\$3759.42	\$4705.08	\$4653.22	\$4805.34
15	20062.74	18259.94	12614.96	11625.07	13781.03	15268.75
16	5093.98	4532.61	5499.57	2946.91	4909.71	4596.56

TABLE 37

EXPENDITURES FOR ANNUAL STATE AID IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$4697.65	\$5538.31	\$5438.70	\$5667.46	\$6023.97	\$5473.04
15	6277.50	8039.05	7924.39	9445.44	9345.72	8206.42
16	5047.11	6055.22	5775.00	6475.66	8463.26	6363.25

TABLE 38

EXPENDITURES FOR ONE MILL TAX IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$101.24	\$101.69	\$ 69.97	\$ 90.49	\$ 87.27	\$ 54.15
15	302.10	337.01	244.25	229.59	282.52	279.09
16	102.59	90.10	100.91	52.51	91.48	87.52

TABLE 39

EXPENDITURES FOR APPORTIONMENT IN INDEPENDENT DISTRICTS  
OF RED LAKE COUNTY

Dist. No.	1931	1932	1933	1934	1935	Average
1	\$1232.00	\$1230.00	\$1291.99	\$1302.18	\$1341.08	\$1279.45
15	1670.90	1927.50	2115.18	2317.74	2390.27	2084.31
16	1177.10	1162.50	1299.07	1408.66	1593.51	1328.17

TABLE 40

COMPARISON BETWEEN INDEPENDENT AND COMMON DISTRICTS  
ON A PER PUPIL BASES.

	Independent 715 pupils	Common 996 pupils
Valuation	\$851.00	\$2097.00
Special Tax	34.50	26.40
Annual State Aid	28.03	8.90
One Mill Tax	.62	2.20
Apportionment	6.50	6.50

Average Tax Rate in independent districts of the county:

Agricultural Land 32.29 mills

Non-Agricultural Land 59.21 mills

Average Tax Rate of common districts in the county:

15.34 mills

## CHAPTER 4

## PROPOSED LARGE UNIT WITH PLUMMER AS A CENTER.

The study thus far has shown that it would be possible for the common districts to make a greater effort to support schools than is now being made. No matter what their effort might be, it would not be feasible for each of these districts to attempt to set up a high school in each district. A school unit of 600 pupils is commonly accepted as proper size for a complete elementary and high school program. Assuming this to be the case, it would take three of these large units to care for the 1800 children of school age in Red Lake County.

There are three high school centers in Red Lake County at the present time. Two of them, Red Lake Falls and Plummer, are so situated that portions of the county could be well provided for by these two centers. Red Lake Falls could take care of the west portion of the county and Plummer could take care of the central portion. Oklee could very nicely take care of the east portion and part of the adjacent territory in Polk County. A glance at the map of the county will show you that Red Lake County is well equipped with good roads for the establishment of large school unit with approximately 600 pupils. For this reason, I have selected the 14 districts listed in the introduction. In making the selection, I have taken into consideration roads as they now exist. I have also studied the situation with

a view to the establishment of routes. Because transportation is a big factor, one must give that sufficient consideration.

The proposed district as the map on the following page will show, is approximately 14 miles long. Plummer is located 4 miles from the northern boundary. The proposed district will be 12 miles wide in the top half of the district and six miles wide in the bottom half. Plummer lies almost exactly in the center of the line drawn from the east to the west side of the district. A study of the map will reveal that no common school in the proposed set-up is more than 12½ miles from Plummer. In this day of motor transportation, that distance only requires about 20 minutes of safe driving.

On the following pages I have inserted a brief study of transportation costs in the State of Minnesota. At the end of that study I have inserted an estimate of the total cost of transportation for the proposed district. I do not believe it would cost any more than half that amount but because I wish to be conservative, we may therefore assume that the cost of transportation for the proposed unit would be \$11,158.01.

Buildings Needed

The next thing to figure is the amount necessary to construct buildings necessary for the proposed unit. Table 46 shows us that we can expect to pay approximately \$198

per pupil for building needs. The present building houses 250 pupils. In the proposed unit for 600 pupils it would be necessary to construct enough room to provide space for 350 pupils. If we multiply 350 by \$198 we have a total of \$69,300 which would be the amount necessary to bond the district. The total assessed valuation of the proposed district according to table in the introduction is \$563,584. This would constitute a bonded indebtedness of about 14.3% which keeps within the legal limit of 15%. These bonds could be in a large part paid for by the income tax.

Examination of County Superintendent's reports show that in the districts involved there are 386 pupils in age group 8-16. Assuming from past experience that for each of these the proposed district will receive \$7 per year, we have \$2702 to take care of bonded indebtedness. These bonds could be arranged in such a manner that beginning with 4th year after construction of building the district could begin to pay. Let \$3000 come due each year for the next 10 years and the remainder come due the 11th year. At the end of the 10th year refunding bonds could be issued and balance of bonded indebtedness spread in much the same manner. The money from the income tax would take care of all principal and tax could be levied to care for the interest. The interest on the bonds would amount to \$2772 the first year and would gradually decrease, as principal was reduced. If we add \$1000 of principal and \$2772 of interest we have \$3772 which must be levied

against the district. This would call for a levy of  $6\frac{1}{2}$  mills. This of course would gradually decrease as time passed.



## CHAPTER 4

## COST OF OPERATING PROPOSED UNIT.

Assuming that cost of the larger unit would be the same for the different items as is now being spent in Red Lake County we can, by referring back to Table 27 add together all per pupil cost of independent districts and find that, exclusive of transportation and debt service, we have a per pupil cost of \$50.79. If we multiply this by 600 we have a total of \$30574. When we add the \$11,158 transportation cost we find a total of \$41,732 necessary for operation of the proposed unit. If we add to this the total debt service of \$5772 we could obtain a total cost of \$47504 necessary to maintain a school unit of 600 pupils.

In the next chapter we will determine the amount of this money that we can expect to get from the State and the amount that will have to be raised locally.

TABLE 41

Comparative Costs of Operating District and Privately-Owned  
Motor Buses as Revealed by Various Studies

Study	Plan of Ownership	
	District	Private
Michigan 1930-1931 Average Annual Cost Per Pupil	\$ 19.29	\$ 37.92
Arkansas 1929-1930 Per Pupil per Mile Cost	.01	.015
Utah by Lambert Per Pupil Mile	.0093	.0169
Florida by Johus 1926-1927	No difference	
Minnesota by Engum 1929-1930 Cost Per Child-Day	.16	.23
Cost Per Load-Mile	.31	.36

<sup>a</sup>From A Survey of School Bus Construction in Sixty-Nine Consolidated School Districts in Minnesota, Code VII-B-22, by T. C. Engum.

"It is fairly well established that where the pupils are transported by district-owned and operated equipment the costs are lower, the loads larger, the routes longer, the service better, and the equipment safer and more comfortable."<sup>1</sup>

<sup>1</sup>T. C. Engum, A Survey of School Bus Construction in Sixty-Nine Consolidated School Districts in Minnesota, Code VII-B-22, Mimeographed material from the State Department of Education, St. Paul.

TABLE 42<sup>a</sup>

COMPARISON OF AVERAGE COSTS PER PUPIL DAY IN THE  
TRANSPORTATION OF PUPILS BY DISTRICT-OWNED MOTOR  
BUSES AS FOUND IN SEVERAL COMMUNITIES.

The Studies	Average Cost per Pupil Per Day
Santa Barbara County, California	Survey Report, Solano <sup>b</sup> County, California, 1929, California Taxpayers Association, Table \$.51
Kerns County California California	Survey Report, Kerns County, California, 1927, California Taxpayers Association, .26 Evans, F.O. "Factors Affecting the Cost of Transportation in California,"
Colorado	1930, U. S. Bulletin No. 29, For High School Owned Buses .257 Greene, H. E. "Excessive Cost of Transportation Under the Contract System," American School Board Journal, October 26, 1926. For Dry Land .226 For Irrigated Land .17
Oklahoma	Payne, J. O. A Study of the Administration of Pupil Trans- portation in the Centralized Schools of Oklahoma 1928-29, Unpublished Master's Thesis, Oklahoma A. and M. College.
San Diego County, California Indiana	Survey Report for San Diego County. California Taxpayers Association.15 Mimeographed News Bulletin, Vol. 5, No. 6, 1931, Depart- ment of Public Instruction, State of Indiana. .137
Solano County, California	Survey Report for Solano County California, 1929, California Taxpayers Associations. .13
Minnesota	Median Cost Per Child-Day. .16

<sup>a</sup>From T. C. Engum, Op. Cit.,

<sup>b</sup>Question misprint for Santa Barbara?

TABLE 43<sup>a</sup>PER CHILD-DAY COST OF TRANSPORTING PUPILS WITH DISTRICT-OWNED MOTOR BUSES, 1929-30<sup>b</sup>

Per Child-Day Costs	Class of School						Total No. of District Owned Buses	Iron Range	Grand Total
	High School			Class					
	Ungraded	Graded	Department	Class					
				A	B	C			
\$.01-\$.05			1	1	2	1	5		5
.06- .10			2	5	5	6	18	1	19
.11- .15	1	2	1	7	18	3	32	8	40
.16- .20	4	1	3	9	18	6	41	19	60
.21- .25	1	1		2	3	2	9	1	10
.26- .30				3	2	2	7	2	9
.31- .35		1	1	1	1		4	1	5
.36- .40					1	1	2	1	3
Over .40								3	3
Total	6	5	8	28	50	21	118	36	154
Q1	\$.15	\$.15	\$.08	\$.11	\$.13	\$.09	\$.11	\$.15	\$.12
Median	.18	.17	.15	.16	.15	.16	.16	.16	.16
Q3	.20	.25	.18	.19	.19	.23	.20	.25	.19

<sup>a</sup> From T. C. Engum, A Study of Public School Transportation Cost In Minnesota, 1929-1930. Unpublished Master's Thesis. University of Minnesota, 1932.

<sup>b</sup> Depreciation charges not included.

TABLE 44

CERTAIN MEDIAN VALUES OF THE TRANSPORTATION COST  
AND REIMBURSEMENT AID FOR VARIOUS TYPES OF VEHICLES USED  
IN CONSOLIDATED SCHOOLS OF MINNESOTA, 1931-32.

Items	Classification by Type of Vehicle Used				
	Motor Buses				
	District	Joint	Private	Auto	Wagon
1	2	3	4	5	6
<u>Median Costs</u>					
Per C-M-D-U	.057 (.047)*	.82 (.075)#	.064	.082	.072
Per Child- Day	.197 (.162)*	.233 (.212)#	.225	.235	.191
Per Load Mile	.294 (.241)*	.292 (.266)#	.308	.233	.24
<u>Median Aids</u>					
Per C-M-D-U	.047	.064	.055	.071	.065
Per Child- Day	.168	.17	.178	.194	.175
Per Load- Mile	.24	.235	.269	.19	.23

\*Figures in parenthesis are exclusive of the depreciation and interest charges which have been calculated at 22% of the operating costs.

#Figures in parenthesis are exclusive of the depreciation and interest charges which have been calculated at 10% of the operating costs.

a-From a Study of Transportation Costs and Reimbursement Aids of the Consolidated Schools in Minnesota, 1931-32. Minneograped Material Prepared by Department of Education, St. Paul, Minnesota.

TABLE 45  
GENERAL SUMMARY BY CLASS OF SCHOOLS OF THE ANNUAL TRANSPORTATION  
REPORTS FROM 403 CONSOLIDATED SCHOOLS IN MINNESOTA, 1931-32

Items	Class of Schools						State
	Ungraded	Graded	Class of High School			State	
			Department	A	B		
	1	2	3	4	5	6	
A-No. of Schools	153	20	14	133	44	39	403
B-Enrollment							
Grades 1-8	9548	2657	1686	17975	10242	28384	70942
Grades 9-12	1096	240	361	8893	6237	17968	34795
Total	10644	2897	2047	26868	16479	46352	105287
C- Farm Pupils							
Boys	4403	1079	555	7868	3163	3986	21054
Girls	4280	992	565	8165	3607	3254	20863
	8683	2071	1120	16033	6770	7240	41917
D- No. Transported							
Resident	7865	1867	974	12760	4715	9354	37535
Non-Resident	173	21	44	1160	576	414	2388
	8038	1888	1018	13920	5291	9768	39923
E- Costs							
Transportation	\$270,742	\$56,207	\$33,227	\$395,247	\$133,193	\$282,438	\$1,171,055
	6,562	537	688	4,241	2,643	18,020	32,691
Board							
Total	277,304	56,744	33,915	399,488	135,836	300,458	1,203,746

TABLE 45 (Continued)

Items	Class of Schools						State
	Ungraded	Graded	Class of High School				
			Department	A	B		
1	2	3	4	5	6	7	8
F- Total Aid	\$222,956	\$46,617	\$30,715	\$337,568	\$103,005	\$105,933	\$846,794
G-Total C-M-D-U <sup>b</sup>	3,730,676	810,671	506,259	6503,804	2,209,788	3,803,230	17,574,428
H-Average							
Cost per C-M-D-	.074	.069	.066	.061	.061	.079	.068
U		.057	.061	.051	.046	.028	.048
Aid per C-M D-U	.059						

<sup>a</sup>Depreciation and interest charges on district-owned motor buses and bus bodies not included.

<sup>b</sup>C-M-D-U= Child-Mile-Day Units

<sup>c</sup>From mimeographed material published by the State Department of Education, St. Paul, Minnesota

TABLE 46

## COST OF TRANSPORTATION FOR PROPOSED LARGE DISTRICT.

District Number	Distance	Number of Children	Cost Per Child Day	Total Cost Per Day <sup>b</sup>	Total Cost Per Year <sup>c</sup>
133 Jt.	7½ miles	40	.178	3.56	626.56
148	5 miles	22	.178	3.92	689.92
5	5½	18	.178	3.20	563.20
235	7	5	.178	.89	156.64
233	7	16	.178	2.85	501.60
228	5½	30	.178	5.34	939.84
126	7½	87	.178	15.49	2726.25
14	10½	23	.178	4.11	723.36
7	12½	25	.178	4.45	783.20
208	6½	19	.178	3.37	594.68
214	3½	24	.178	4.27	751.52
141	6½	24	.178	4.27	751.52
234	3½	29	.178	5.18	911.48
3	4½	14	.178	2.49	438.24
<b>Total</b>					<b>\$11,158.01</b>

<sup>a</sup>Page 86 Reishus Master's Thesis.

<sup>b</sup>Number of children times cost per child day.

<sup>c</sup>Number of days school is in session (176) times cost per day.



TABLE 47

Cost of School Building Construction During 1913-1923 per  
Cubic Foot, per Room, and per Pupil.<sup>n</sup>

Costs Expressed in Prices of 1913

Cost Per Cubic Foot	Number of Build- ings	Cost Per Room	Number of Build- ings	Cost Per Pupil	Number of Build- ings
\$.35 or more	7	\$ 14,000 or more	6	\$ 500 or more	4
.34	3	13,500 or more	3	480 or more	
.33	1	13,000 or more	5	460 or more	3
.32	1	12,500 or more	3	440 or more	1
.31	6	12,000 or more	6	420 or more	2
.30	1	11,500 or more	9	400 or more	2
.29	1	11,000 or more	17	380 or more	4
.28	3	10,500 or more	15	360 or more	11
.27	5	10,000 or more	23	340 or more	8
.26	12	9,500 or more	22	320 or more	13
.25	14	9,000 or more	26	300 or more	19
.24	20	8,500 or more	23	280 or more	24
.23	18	8,000 or more	30	260 or more	41
.22	38	7,500 or more	33	240 or more	27
.21	27	7,000 or more	25	220 or more	57
.20	46	6,500 or more	33	200 or more	47
.19	42	6,000 or more	47	180 or more	38
.18	42	5,500 or more	47	160 or more	47
.17	47	5,000 or more	39	140 or more	58
.16	46	4,500 or more	37	120 or more	36
.15	69	4,000 or more	39	100 or more	47
.14	48	3,500 or more	44	80 or less	26
.13	30	3,000 or more	25		
.12	24	2,500 or more	13		
.11	11	2,000 or more	5		
.10 or less	11				
.18	573 <sup>b</sup>	6,690 <sup>a</sup>	575 <sup>b</sup>	198 <sup>a</sup>	515 <sup>b</sup>

<sup>n</sup>As adapted in Engelhardt and Engelhardt, Planning School Building Programs, Bureau of Publications, Teachers College, Columbia University (1930). From O. R. Hull, The Administration of School Building Programs, in The American School Board Journal, Vol. 74 (April, 1927).

<sup>a</sup>Mean cost.

<sup>b</sup>Total number of buildings.

## CHAPTER V

## STATE AID FOR PROPOSED DISTRICT

Referring to Table 40, we find that the annual per-pupil State Aid for independent districts has been \$28.03. If we multiply \$28.03 by 600 the proposed district can expect to receive \$13,818 in annual aid from the state. In addition to this, the district would receive the apportionment which amounts to \$6.50 per pupil. This item would bring \$3900.

\$13818	Annual Aid
3900	Apportionment
2702	Income Tax
<u>\$20420</u>	

The \$20420 would be the total aid received according to the past experience.

The total cost of operating the proposed unit would, as we said on the preceding page, be \$47,504. If we subtract the total received from the State we have a net amount of \$27084 to be raised by the district. At the present time, the total amount raised by the districts themselves is set forth in the following table.

TABLE 47

DISTRICT	ONE-MILL	SPECIAL TAX	TOTAL
16	87.52	4596.56	4684.08
148 Jt.	37.48	345.82	383.30
133 Jt.	59.53	270.19	329.72
5	21.91	447.73	369.64
235	27.18	507.35	534.53
234	24.36	425.40	449.76
233	35.36	361.73	397.09

3	38.12	566.42	604.54
208	34.05	456.66	490.71
214	38.91	631.05	669.96
228	26.74	359.96	386.70
141	58.77	478.07	536.87
126	77.46	933.27	1010.73
7	39.66	648.71	688.37
14	43.57	534.41	577.98
Total.....			<u>\$12113.98</u>

On the preceding page we found that \$27084 would be the amount necessary for the local districts to raise. This makes an increase of \$16,970.02. Figured in percent, this would be an increase of 140% for the proposed unit as a whole. This is an extreme increase and it is hardly reasonable to that such a step would be accepted by the people living within that territory. Only a community in which the people are keenly alive to the value of good schools would such a program be adopted.

From the above study, the impossibility of getting a program adopted seems impossible not only for the present but also for the future. The situation is, however, not so hopeless as it might seem because of two laws which the legislature passed in its last regular session. These laws, as found in Table 45, are two very progressive steps in the direction of equalizing educational opportunity in the State of Minnesota. If the time ever comes that these State Aids are paid in full, then such a unit as here proposed would be not only ideal, but possible of attainment.

The Supplemental Aid Law guarantees to every district that taxes itself 30 mills or the legal limit \$100 for every student in Grades 7 to 12 and \$60 for every student in Grades 1 to 6, in the proposed district. Based on present ratios in the county, 55% of all pupils would be in Grades 7 to 12. 55% of 600 is 330 pupils. 330 pupils would draw \$33000. 270 pupils would draw \$16200. The total amount that the State would pay to the proposed district would be \$49200 less the proceeds of a 30 mill tax on non-agricultural property of the proposed district plus the proceed of a tax 10% higher than the average tax rate for the common school districts on the agricultural land in the proposed district.

## CHAPTER 6 CONCLUSION

At the beginning of this study, I had hoped to find that the cost to the local taxpayers would be but very little higher under the proposed set-up than now exists. No attempt was made in this paper to show the greater value of the proposed set-up over the present type of school organization. Even the most backward people in this community will admit the difference but only a small percent would be willing to increase their tax-load 140% to attain such advantages for their own and other children of the proposed district.

I did not use figures based on the recently passed State Aid Laws because unless they are paid in full they would not materially alter the conditions which have existed in the past. There is a growing sentiment in the state which might ultimately bring about the payment of these aids in full. When such a time comes, there undoubtedly will be a reorganization of schools that will bring about the establishment of school units that will be able to offer all the children of the state a full educational program. This reorganization will not be determined by county or district boundaries but by the convenience with which it can be effected. An almost uniform tax rate will prevail throughout the state. When this condition is a fact, then and then only will educational opportunity have been equalized.

## CHAPTER VII

## STATE AID LAWS FOR MINNESOTA

The State of Minnesota classifies all of its schools under the following heads: (1) Ungraded elementary, (2) graded elementary, (3) high school department, (4) four-year high school, (5) junior high school, (6) senior high school, (7) six-year high school. Any of the above schools may be classified as a consolidated school, providing it meets the requirements for consolidated schools.

In an attempt to simplify the explanation of State Aids paid, they will be classified under the following general heads: (1) transportation, (2) non-resident high school tuition, (3) flat aids, (4) special department aids, (5) supplemental aid.

## Transportation Aid

(a) For transportation of resident pupils in a consolidated school district, the State shall reimburse such districts at rates determined by the State Board of Education, provided that no school shall receive annually more than an average of thirty six dollars (\$36) for each pupil transported. The rate which the state has used in the past has been 8¢ per mile per day that the child travels by the shortest route to the school. (b) the State Board may at its discretion pay transportation of pupils in non-consolidated schools, if such pupils live beyond reasonable walk-

ing distance from nearest public school. Such aid shall not exceed fifty dollars (\$50) for each such pupil transported.

#### Tuition for Non-Resident High School Pupils

The State shall pay to each school district furnishing high school instruction at the rate of seven dollars (\$7) per school month for not more than ten (10) months in any one school year for each non-resident high school pupil. This shall be providing: (1) no high school instruction is furnished by his home district, (2) that pupil shall have completed eighth grade, and (3) that school giving instruction is an accredited high school.

#### Flat Aids

These aids are so-called because they are granted for maintaining schools according to standards set up by State Board of Education. (a) Ungraded elementary with a term of at least 8 months shall receive one hundred dollars (\$100) for each first grade teacher employed and \$75 for each second grade teacher employed. (The grade refers to class of certificate.) (b) for graded elementary school of nine months and giving 3 years of work the State shall pay four hundred dollars (\$400) annually. For each graded elementary school offering six years of work the state shall pay three hundred dollars (\$300) annually. (c) for each 4-year high school the State shall pay five hundred dollars (\$500) annually. (d) For each high school department the State shall pay three hundred dollars (\$300) annually. (e) For each

junior high school the State shall pay three hundred dollars (\$300) annually. (f) For each senior high school the State shall pay three hundred dollars (\$300) annually. (g) For each six-year high school the State shall pay six hundred dollars (\$600) annually.

#### Special Aids.

For the following special departments the State shall pay:

- (a) For Agriculture, \$500 annually.
- (b) For Industrial Training, \$400 annually.
- (c) For Home Training, \$400 annually.
- (d) For Commercial Training, \$400 annually.
- (e) For deaf children, \$250 for each child residing in the district, and \$400 for each non-resident child.
- (f) For blind children, three hundred dollars for each child.
- (g) For subnormal children, one hundred dollars for each child.
- (h) For children with defective speech, fifteen hundred dollars (\$1500) for each teacher employed in that work.
- (i) For each crippled child two hundred fifty dollars (\$250)
- (j) One-half the salaries of evening school teachers shall be paid to districts maintaining such evening schools.
- (k) For teacher training departments the State shall pay fifteen hundred dollars annually.



### Supplemental Aid Law

This law is probably one of the most progressive steps taken toward equalization of educational opportunity in the educational history of Minnesota.

School districts which receive aid under the provisions of this section shall be limited to those whose tax levy for maintenance only is thirty (30) mills or more or the maximum legal rate. To any school district in which a tax levy of thirty (30) mills or the maximum legal rate on the district's assessed valuation together with all funds received from the state as apportionment or special state aid except Transportation Aid does not equal sixty dollars (\$60) for each resident pupil who shall have been in average daily attendance during the preceding year in an elementary school, and one hundred dollars (\$100) for each resident high school pupil and each non-resident high school pupil for whom the state pays tuition, who shall have been in average daily attendance during the preceding year in a classified high school the state shall pay as supplemental aid an amount which, together with the proceeds of a thirty (30) mill tax or the maximum legal rate, and all money received from the state as apportionment or special state aid, except transportation aid, will equal sixty dollars (\$60) for each resident pupil who shall have been in average daily attendance during the preceding year in an elementary school, and one hundred dollars (\$100) for each resident high school pupil and

each non-resident high school pupil for whom the state pays tuition, who shall have been in average daily attendance during the preceding year in a classified high school. In any school district or unorganized territory in which a tax of thirty (30) mills or the maximum legal rate together with all funds received from the state as apportionment or special state aid, except transportation aid, does not equal one thousand dollars (\$1000) per classroom unit the State Board of Education may, at its discretion grant sufficient additional supplemental aid to bring the total funds available for school maintenance equivalent to one thousand dollars (\$1000) for each classroom unit. Provided, however, that the supplemental aid under this section, when added to all other funds received from the state as apportionment or special state aid and to the proceeds of a thirty (30) mill tax or the legal maximum tax for maintenance shall not exceed the total maintenance cost of the schools in any school district nor such maximum figure per classroom unit as may be determined by the State Board of Education. Provided, however, that any school district receiving aid under the provisions of Chapter 143, Laws of 1931, shall receive, in addition to such aid, supplemental aid which shall not be less per pupil in average daily attendance than such district has been granted on the average since the year 1931.

A study of the Supplemental Aid Law discloses that the State would guarantee \$60 for each pupil in grades 1-6 and

\$100 for each pupil in grades 7-12.

#### Tax Limitation Law

It would be only proper that one more law passed in 1935 by the Legislature be called to the attention of the reader when making an attempt to equalize educational opportunity. The history of school consolidation in Minnesota discloses immense increases in taxes of districts consolidating. To encourage the formation of larger units, the State is setting this limit upon tax on Agricultural lands in the State of Minnesota.

The rate of taxation of agricultural lands for school maintenance in any school district of the state maintaining a graded elementary or high school, and also in unorganized territory shall not exceed more than 10 per cent the average rate for school maintenance on similar lands in common school districts nor shall such a rate exceed one-half the rate for school maintenance on non-agricultural lands in the same school district or unorganized territory in counties having less than 20 common school districts; provided, that if the special state aids are not paid in full during any given year, an additional levy equal to the deficiency in such special state aids payable to such school district or unorganized territory may be levied, and such levy shall be uniform on all property subject to taxation in such school district or unorganized territory; and provided further that this act shall not apply to any school district receiving aid under the provisions of Chapter 143, Laws of 1931.

CHAPTER 8  
SUGGESTIONS FOR USING THIS STUDY

After having spent considerable time and effort writing such a paper as this it is only natural to expect some use to be made of the time and effort expended. As was stated in the beginning, this paper had as one of its avowed purposes the presenting of facts that would lead to the establishment of a large school district with Plummer as a center. The facts presented were rather disappointing in many ways but nevertheless there are some ways in which this study can be used.

First, a study of the various tables will reveal that many of the rural districts expend very little for some very important items. Expenditures for library books are very small in some districts and entirely lacking in others for a period of two, three, or four years. Another item for which expenditures are particularly low is repair of equipment. Expenditures for teachers' salaries reveal that the rural teachers receive a very low wage. All of these tables have a particular story to tell.

Second, a study of these tables reveals trends of the past five years regarding school operation and support.

Third, publication of some of the facts revealed by this study might cause desirable changes.

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