

1960

1960 Modulus

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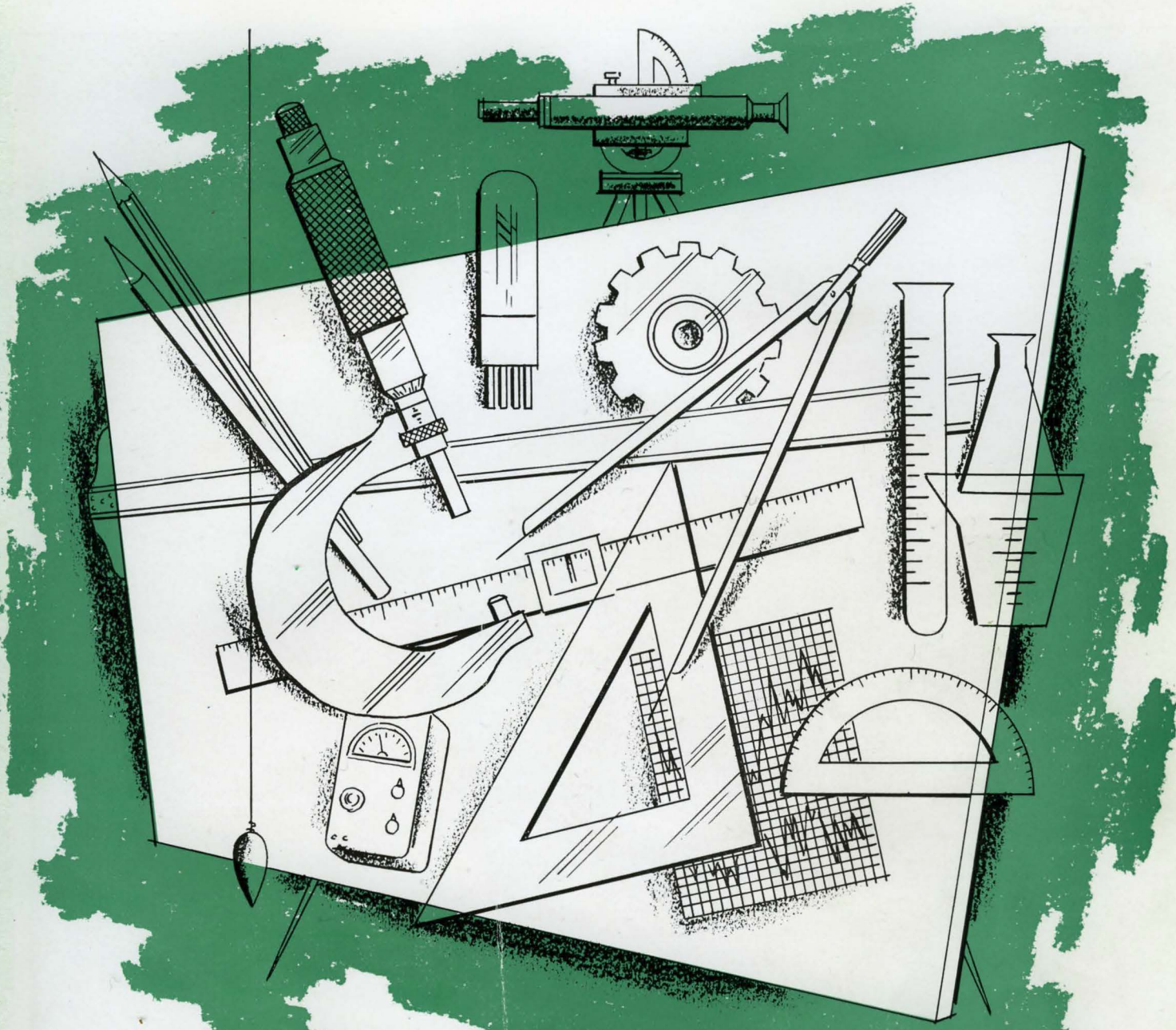
ROSE

POLYTECHNIC

INSTITUTE

MODULUS

1960

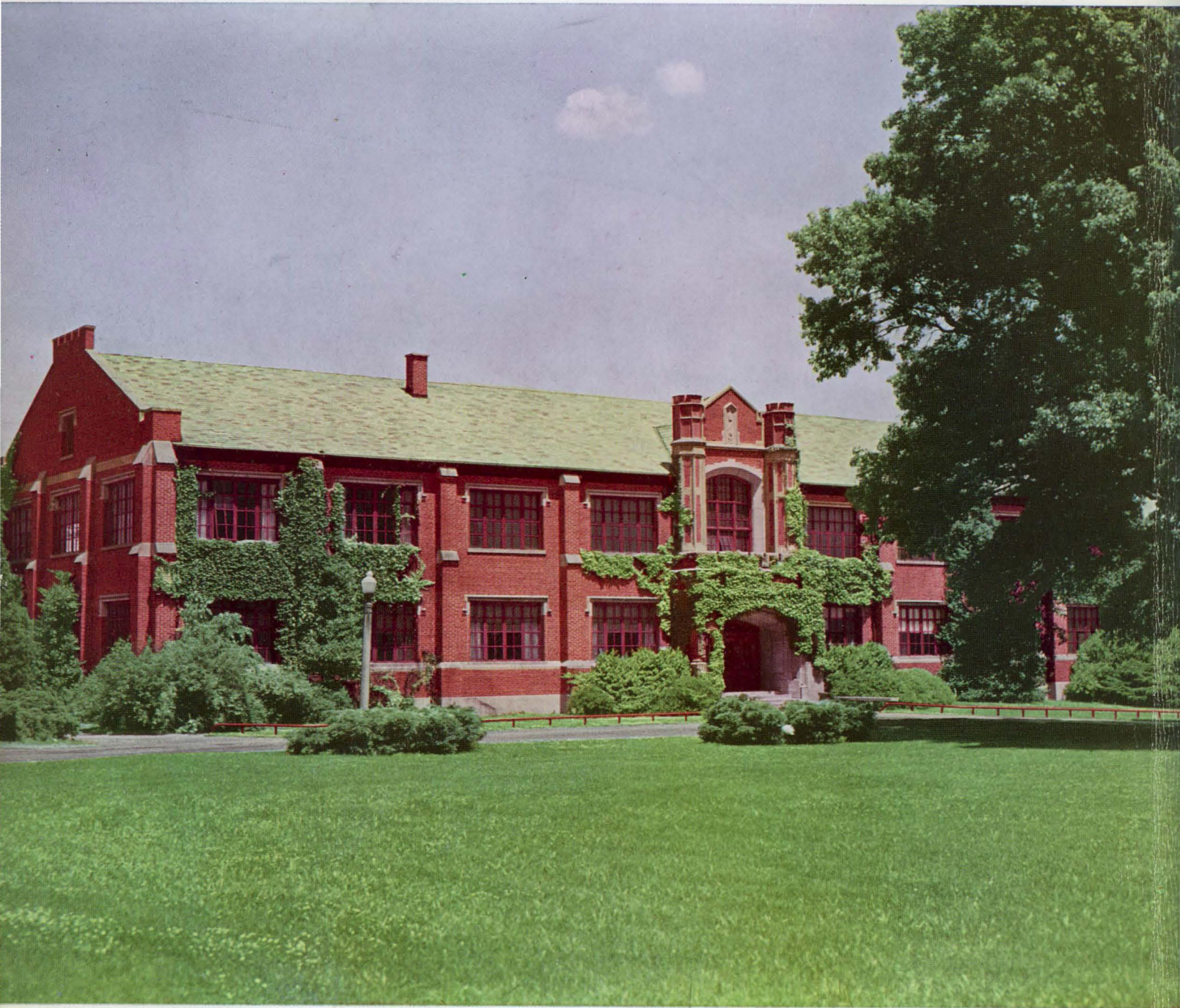


MODULUS

ROSE POLYTECHNIC INSTITUTE
TERRE HAUTE, INDIANA

1960

- Bill Perkins, Co-Editor
- Bob Schukai, Co-Editor
- Ted Jaenke, Business Manager
- Bill Carter, Managing Editor
- Gordon Haist, Faculty Advisor



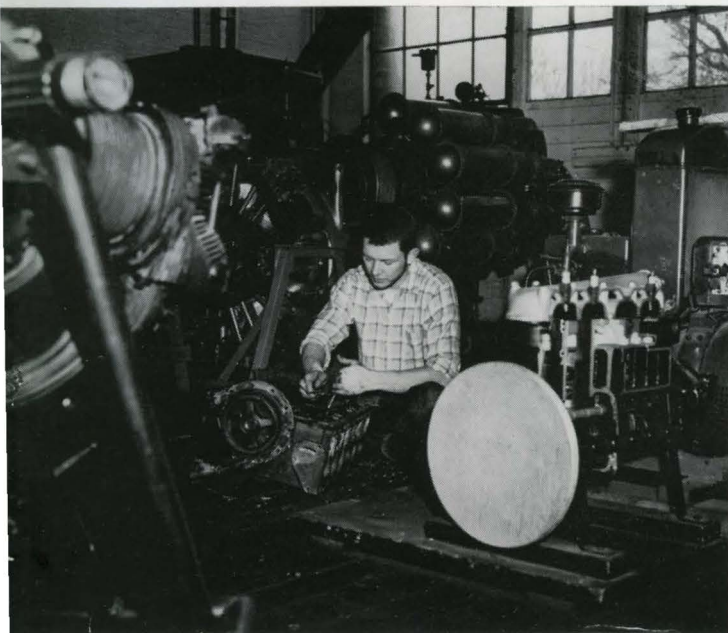
1960 AT ROSE

ROSE MEN are engaged in wide and varied activities. Basketball games, Homecoming, studying, and the Military Ball are all parts of each man's environment. The sporting events with their rivalry and school spirit, Homecoming with the return of Rose's loyal alumni, academics with its ability to develop minds, and social events with their fun and release from the busy schedule—all these help to make a Rose man "tops". In the following pages, this 49th edition of the MODULUS will enlighten you on the life at Rose.



Time for relaxation.

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Phil Brown, Rose's Man of Sports

DEDICATION

PHIL'S NAME has been synonymous with sports for thirty-one years at Rose. During his stay at Rose, he was admired by his boys for his coaching ability, but Phil was more than just a coach—he was practically a second father to them, and perhaps this is what they most remember about him.

Phil was admired by the student body of Rose, too. They remember his teams were always teams they could be proud of, winning season or not. They also remember his humorous speeches, as did many others, for Phil was in great demand as an after-dinner speaker.

Referees and opposing coaches also admired Phil Brown for his knowledge of sports and his great sportsmanship. He taught his boys to play hard but clean.

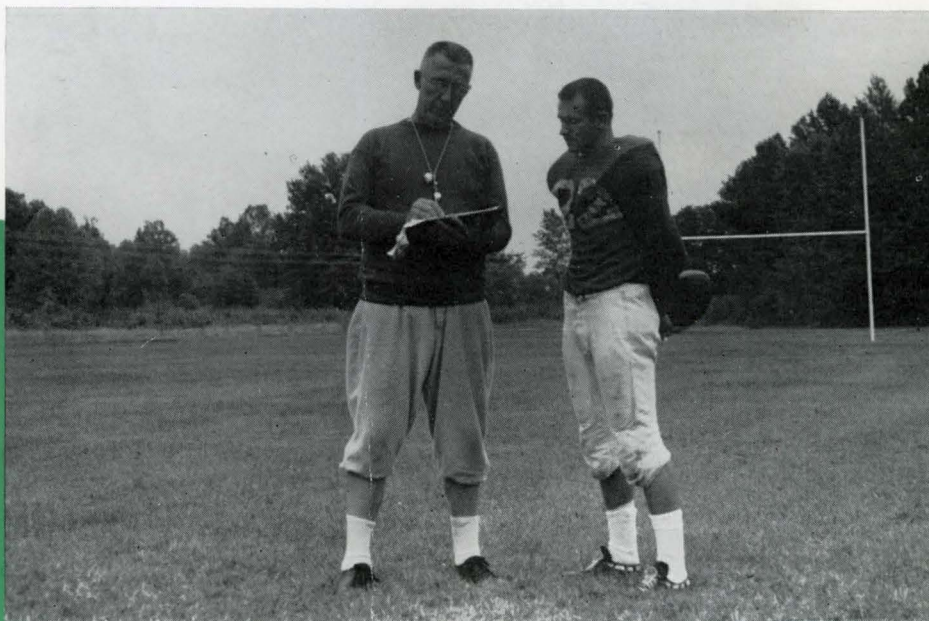
Phil was born in Indianapolis on March 14, 1901. He was graduated from Tech High School in Indianapolis and went on to Butler University where he received his A.B. in 1923. After coaching at Marshall, Illinois, High School and Washington College in Maryland, Phil came to Rose in 1928 as Athletic Director, a post he held for thirty-one years. For eighteen years he coached all sports at Rose, and he coached football and track until his retirement last spring.

Always dedicated to his job, Phil continually strived for the best facilities. The present fieldhouse, built in 1948, went a long way toward this goal, giving Rose the best indoor track in the state as well as a fine basketball court.

One of Phil's outstanding memories is beating ISTC in basketball in 1931; another is having two national scoring champions on his football teams—Eddie McGovern in 1942 and Carl Herakovich in 1958. "Pappy" closed his career in grand style with an undefeated season in football and with a win in the Rose Relays in track.

We will all miss Phil Brown, for with him goes a part of Rose—a part of us. Looking back, Phil writes, "Fondest memories: The men who played for me. Won and lost records have never meant much as compared to the welfare of the young men who gave so generously of their time and efforts. They are my memories. Instead of praising individuals or the college I wish only to praise '... the men who kept them bright.'"

**"Pappy" Brown briefs
"Rocky" Herakovich,
1958 national
scoring champion.**



PRESIDENT'S MESSAGE

TO THE CLASS OF 1960:

YOU WILL BE the first class to whom I will have the privilege of presenting diplomas. It will be my pleasure, therefore, to watch the progress of each and every one of you.

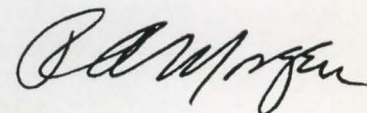
I hope that each of you will think of the day on which you will receive those diplomas by its true name of "Commencement" and not as graduation. You are about "to commence" on a career which can be exciting, fruitful and productive if you will it so. This will be particularly true if you will use the basic information which you obtained as a student at Rose as the springboard from which to continue your learning throughout your productive careers.

Some of you will commence your careers as graduate students, thus continuing your formal education. Others of you will enter industry and learn on the job how to do those things for which you got the formal background at Rose. Still others of you may go into business for yourself where you will have to study harder and work longer hours to achieve success.

All of you, no matter how you may earn your living, will be entering a world of turmoil and conflict of ideologies. I hope that each of you is leaving Rose not only with a good fundamental technical education but with a strong belief in the American way of life. If we are going to win the battle of ideologies, each one of us must be ready to stand up and be counted for those things in which he believes.

If Rose has given you these two things, a strong basic engineering education and a belief in the American way of life, then I have no fears for your success in your individual careers, whatever they may be.

I shall be watching you collectively and individually and hope that you will keep your ties with Rose strong throughout the years.

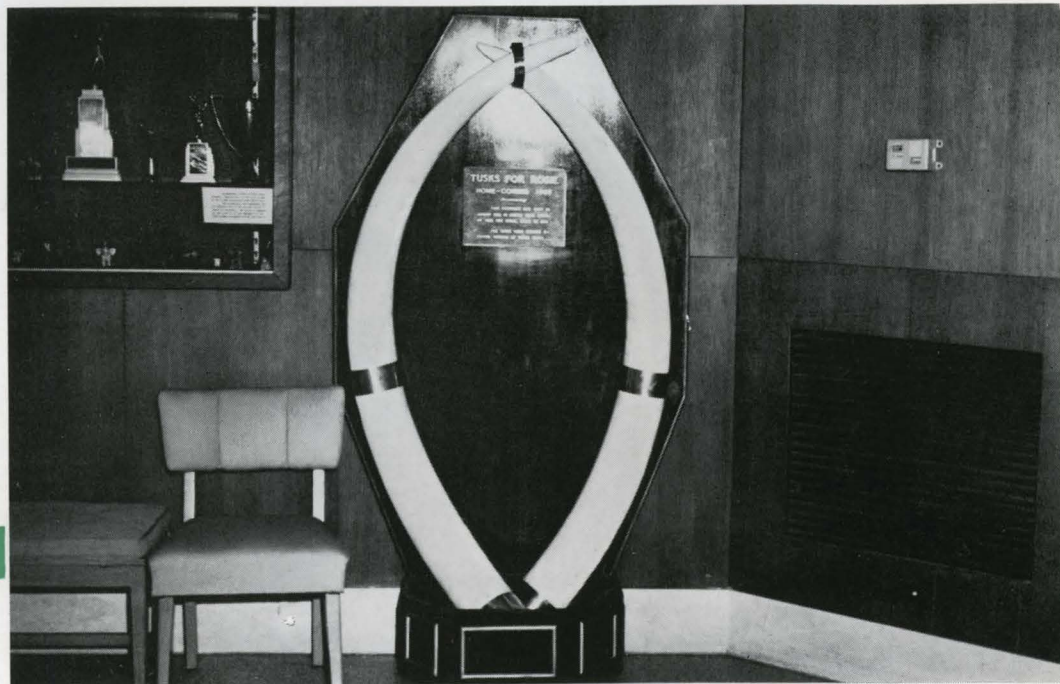


Dr. and Mrs. Morgen
greet the freshmen's
parents.



Dr. Ralph A. Morgen, Ninth President

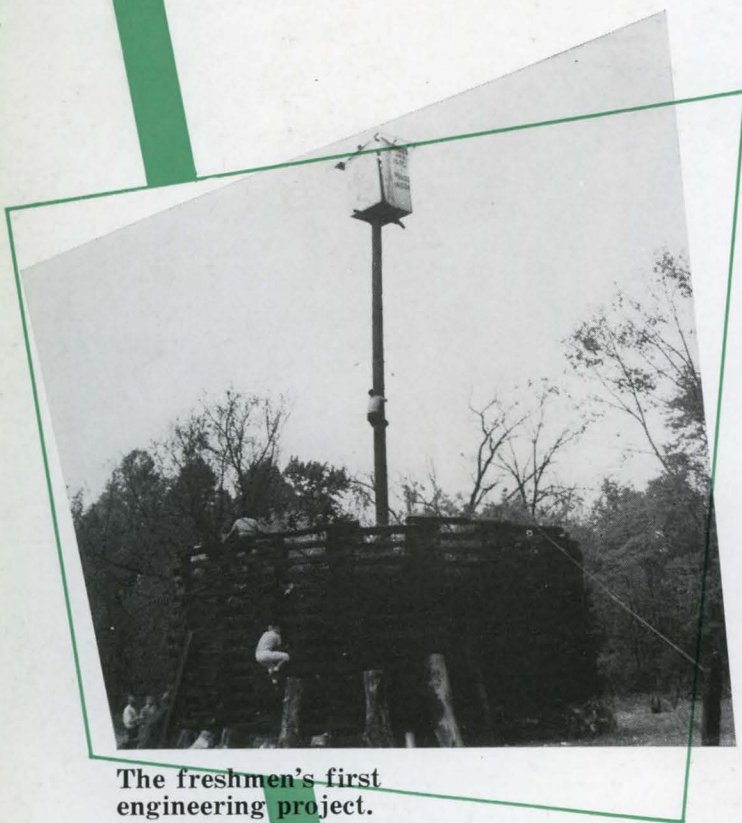
HOMECOMING



“Rosie’s Tusks” were presented to the Institute as a feature of the 76th Homecoming.

AND THE RAINS CAME! But even the rain didn’t stop a Rose Homecoming. The freshmen, after a fine job of building their bonfire, were rewarded with a fine blaze in which to throw their garters.

One thing the rain did seem to dampen was the “Fighting Engineers” fighting power. We lost to Franklin thirty-two to nothing.



The freshmen’s first engineering project.





The Engineers battle Franklin in a cold, wet Homecoming game.

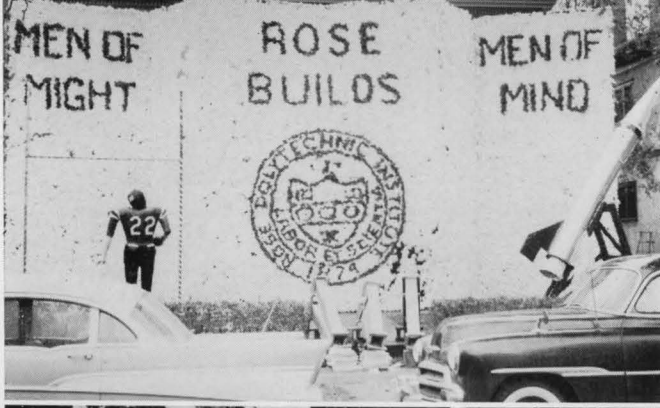
The homecoming dance was a success, as usual. The floor was crowded with couples dancing, old friends chatting, and people who just didn't have a place to sit. The climax of the evening came at 11:15 with the announcement of this year's winning homecoming display. Although all four fraternities had good displays, Alpha Tau Omega's was judged best. Their planning and hard work were rewarded when Bob Schukai, president of Blue Key, presented the gleaming trophy to Alpha Tau Omega President Larry Berger.

At 1:00 A.M. Sunday morning the 76th Rose Homecoming was over, but only officially. The memories of meeting old classmates and reliving old times, together with the anticipation of next year's Homecoming, will last for quite a while.

Homecoming closes in a grand style.

ATO's Larry Berger accepts the coveted trophy.





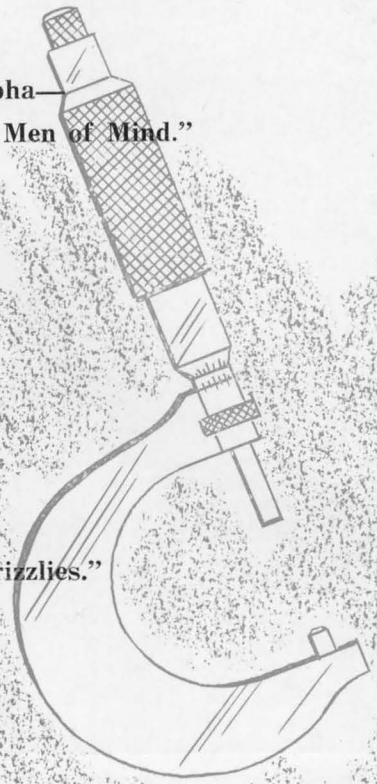
Lambda Chi Alpha—
“Men of Might, Men of Mind.”



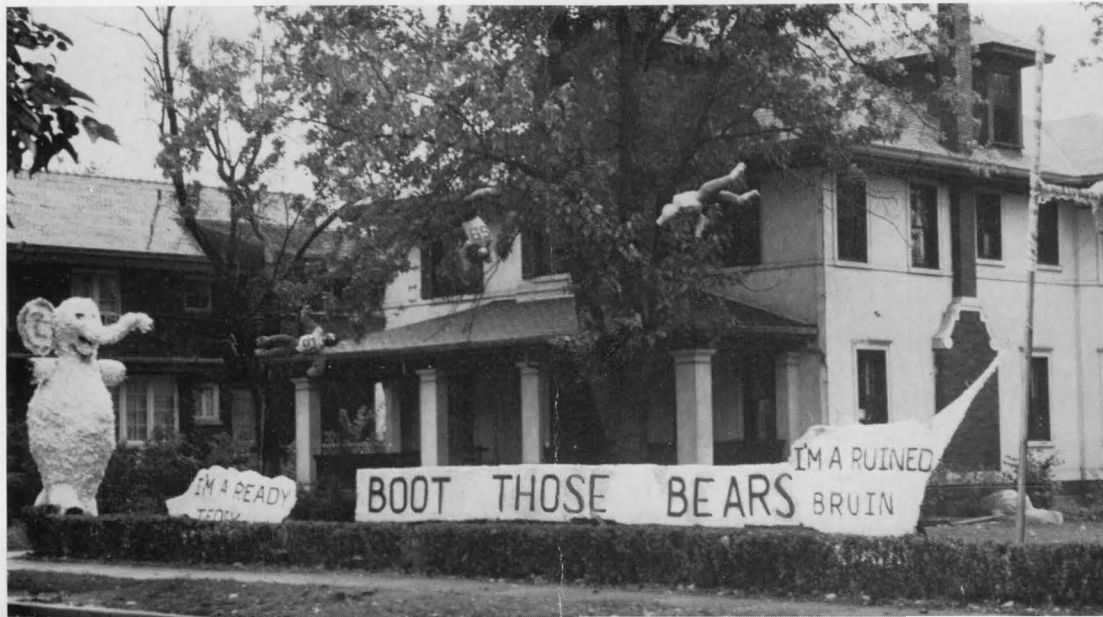
Sigma Nu—
“Rosie's Rice Grizzlies.”



Theta Xi—
“Gunfight at the Lost Creek Corral.”

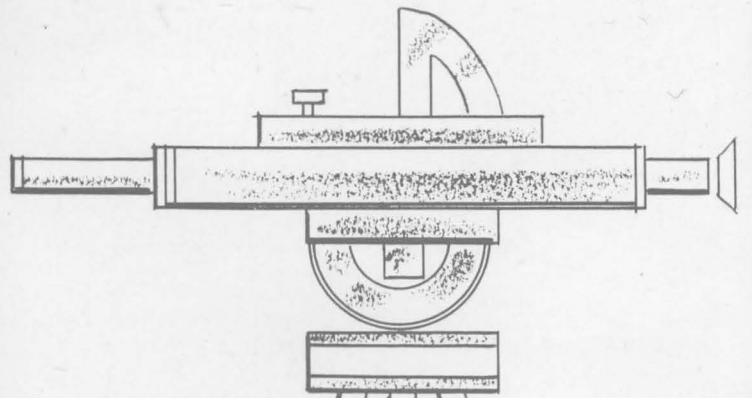


Alpha Tau Omega's
winning display—
“Boot Those Bears.”





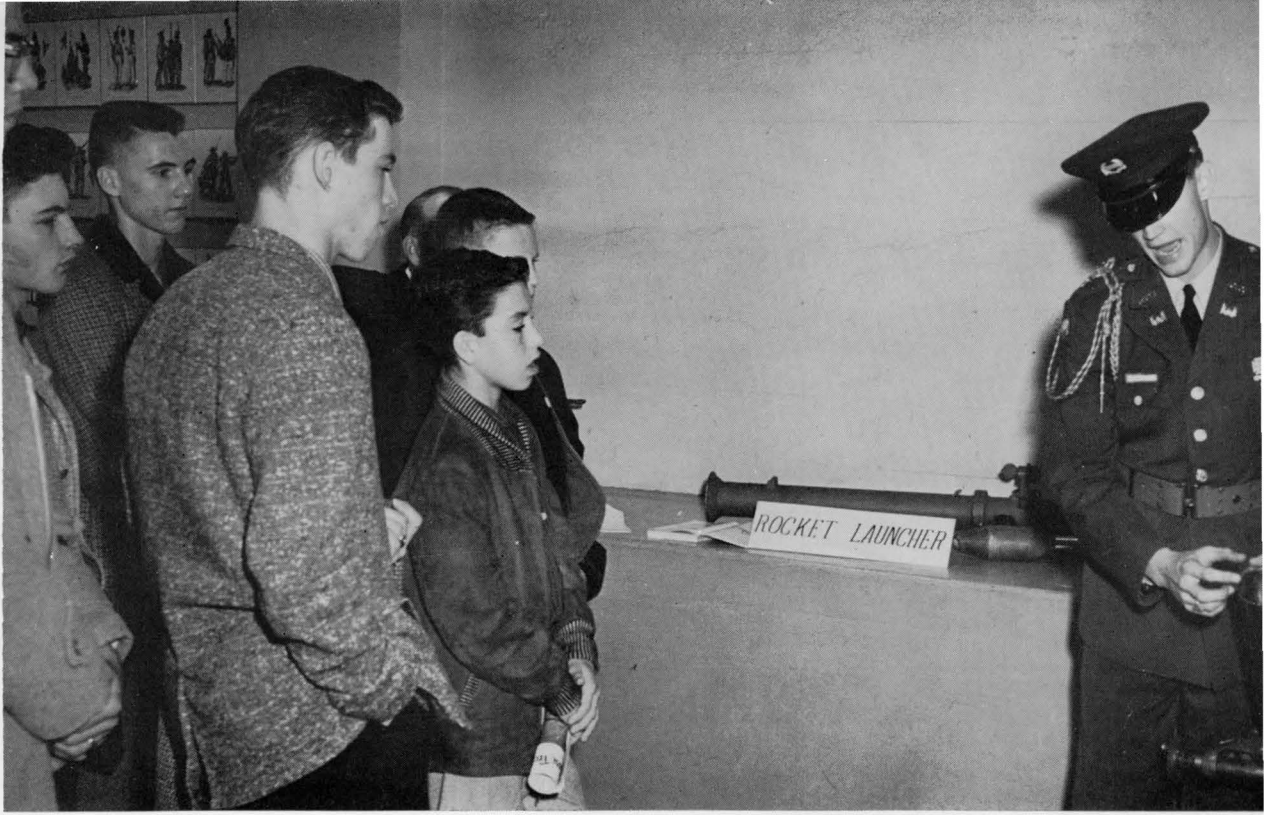
Joe Snyder introduces the guests to calculus.



ENGINEERS DAY

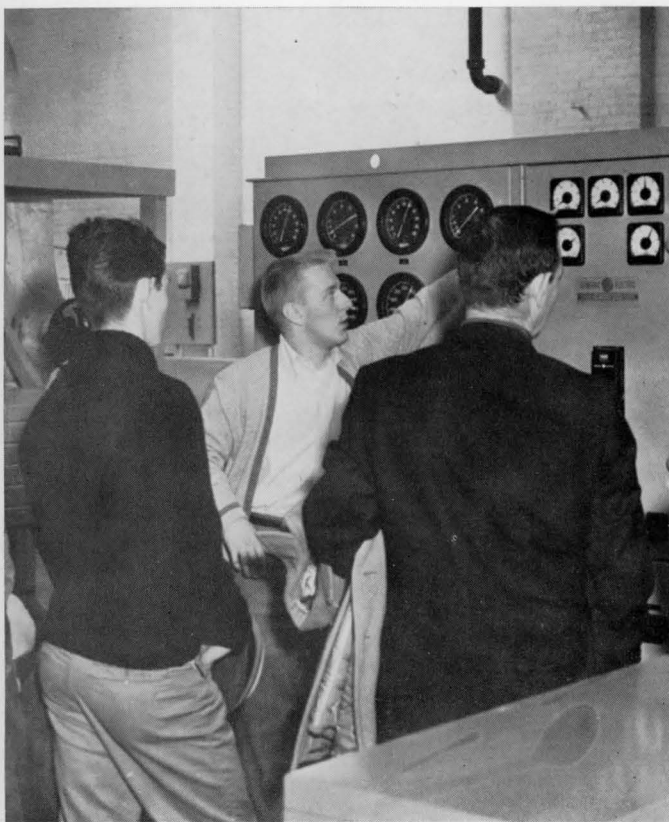
A physics sound wave experiment is explained by John Ray.





Jay Hirt explains the M-30, 4.2-inch mortar.

The Mechanical Department's Bill Young shows off the General Electric turbine.



STUDENT CHAPTERS of professional organizations, faculty members, and students successfully sold engineering and Rose to over three hundred and fifty high school students and their parents at the annual Engineers Day held on Saturday, November 7th.

Interested and amazed by the many demonstrations and exhibits used to show the great diversifications of the many engineering fields, the visitors were guided past such varied displays as a hundred thousand volt transformer, a hydraulic "jump," a gyroscope, a General Electric turbine, and an ultra-violet light effect, to name just a few. The guests were also informed at the program in the auditorium by Doctor Morgen about the development of engineering as a career.

TRADITIONS

EARLY in the year, the freshmen filled their place in the student body and assumed the responsibility for carrying on various traditions. The tasks of building and defending the bonfire and caring for Rosie were ably completed, as the true spirit of Rose was imparted to the men of the freshman class.

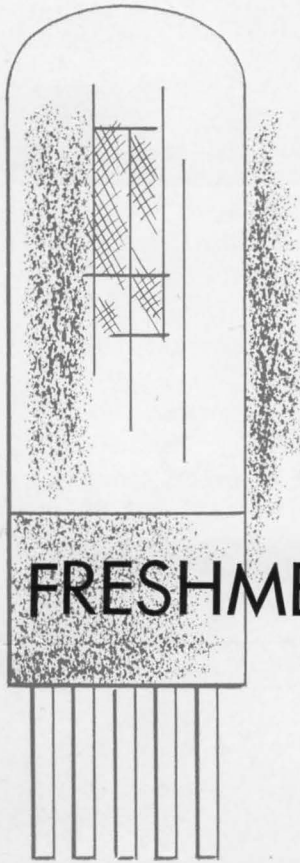
A touchdown and another trip for Rosie.



Indiana State loses again!



Freshmen edge sophomores
in a rough and tumble
football brawl.



FRESHMEN - SOPHOMORE GAMES

ON TUESDAY, November 16, the traditional freshman-sophomore games were held on the Rose athletic field. The frozen football field was rough, but the freshman proved rougher as they whipped the valiant sophomores by a slim 8-7 margin. The action then moved to the basketball floor. However, the familiar sophomore cry of "Get that beanie on!" wasn't enough, and the freshmen again won, 39-27.



Freshmen make it a
clean sweep by winning
the basketball game.



ISTC Choir—lovely voices
at Christmas time.

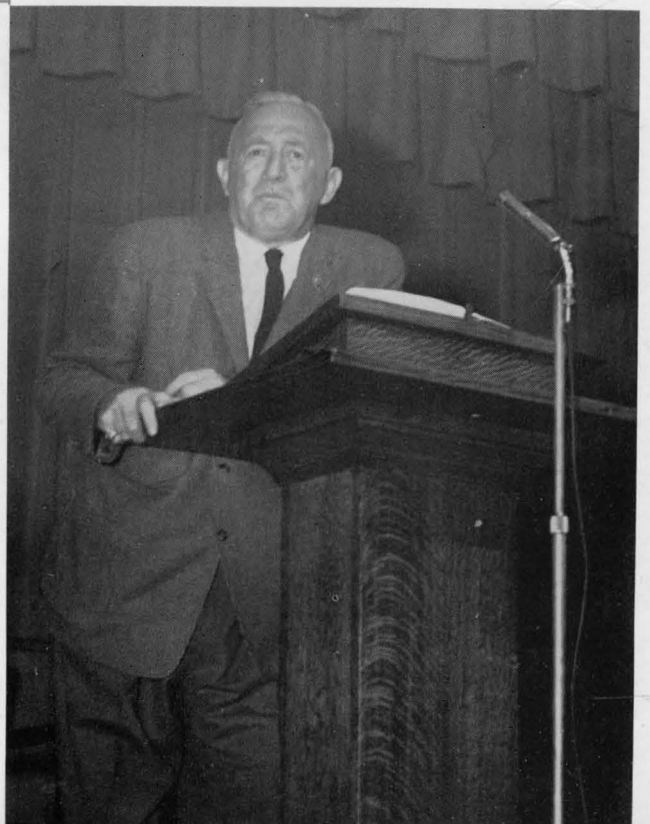


The DePauw Players present
THE GLASS MENAGERIE.

CONVOICATIONS

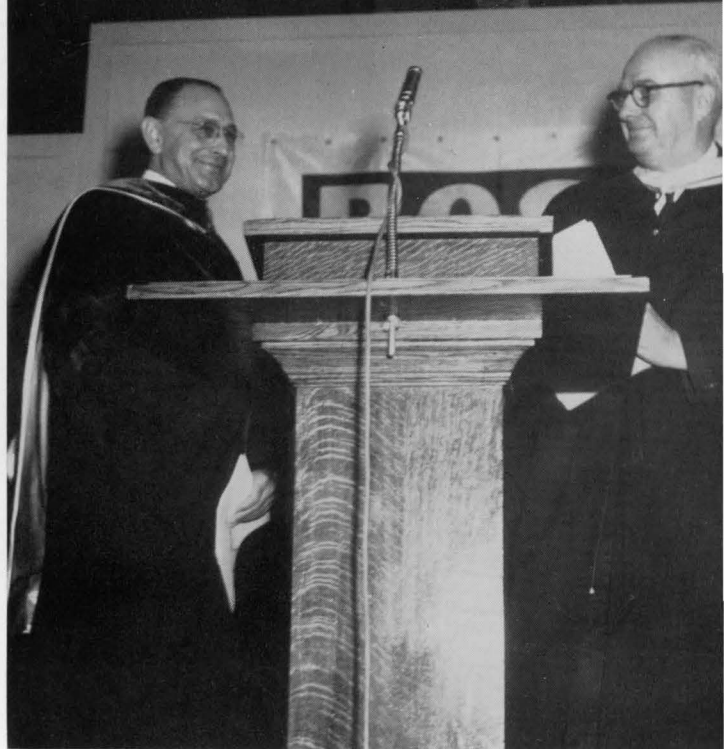
VARIOUS lectures as well as musical and dramatic presentations supplemented the engineer's education during the convocation hours. The convos featured "Rocky Mountain Rambles" presented by Ralph Emerson Scott, Frans Reynders, an outstanding mime artist, and Frankie Frisch. The Indiana University Symphony Orchestra, the Indiana State Choir, the St. Mary-of-the-Woods Choir, and the Rose Tech Glee Club provided our musical entertainment. The DePauw Players added the dramatic touch with Tennessee Williams' play, THE GLASS MENAGERIE.

Frankie Frisch, the Fordham Flash.



INAUGURATION

Mr. Richard Bergmann swears in
Dr. Ralph A. Morgen
as the ninth president
of Rose Polytechnic Institute.



Dr. Paul Bogart, chairman of the Board of Managers,
addresses the audience during the Inauguration ceremonies.





The military students and their dates enjoy the music as they dance the night away.

MILITARY BALL

THIS YEAR'S Military Ball was a booming success. With a record attendance, the Deming Hotel's Cotillion Room was filled with couples dancing to the music of the Monitors.

Honorary Cadet Colonel Kathy Sharp, a freshman at St. Mary-of-the-Woods College, will reign until next year's Military Ball.

The candidates and their escorts are from left to right: Steve Skersick, Judy Ash; Bernie Landsbaum, Ruth Loewenstein; Bob Schukai, Nancy Turner; Dick Cordill, Judy Ivancevich; Fred Wright, Judy Stelle; Paul Blase, Kathy Sharp, Honorary Cadet Colonel; Dick Landenberger, Anita Fehrenbacher; Mary Lou Leachman, Ned Hannum.





Colonel Walker presents Kathy Sharp, the Honorary Cadet Colonel, with the medallion of the office.

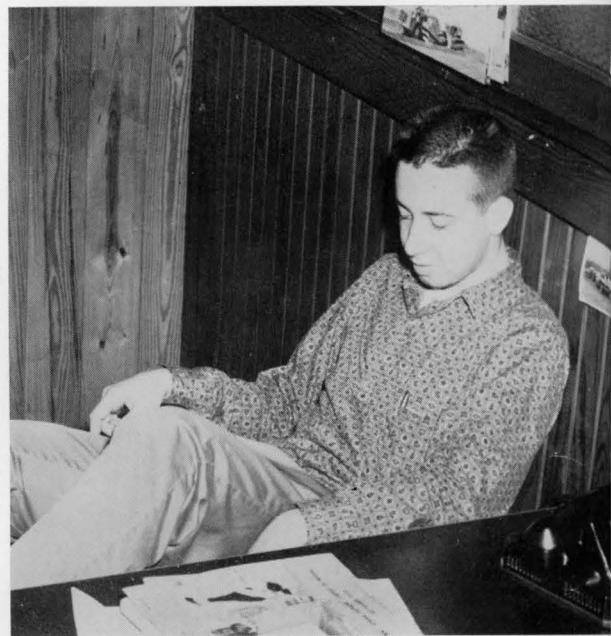
Cadet Captain Fred Wernicke commands the cadets in the O'Grady Drill.





The Sparkettes add a touch of beauty to a Rose basketball game.

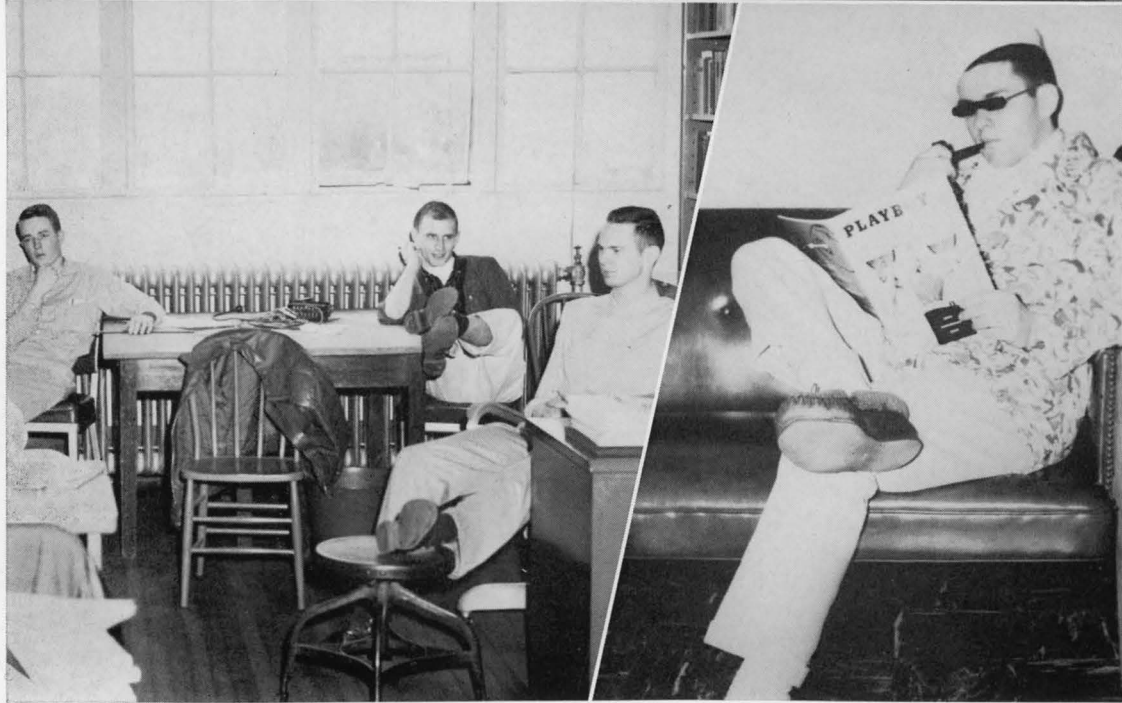
CANDIDS



A TECHNIC editor "hard at work."



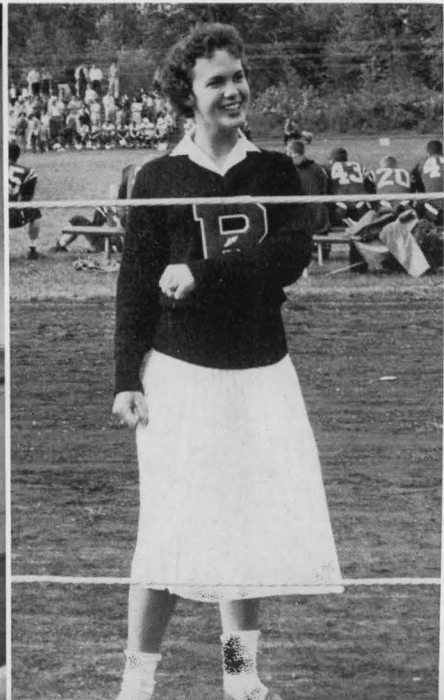
Dean Moench presents the coveted Heminway Medal to Joe Snyder, the freshman with the highest scholastic average.



Rose men have a variety of study habits.

W o w ! !

W o w ! !







Bill Nicewanger and John Egan receive their prizes from Bob Schukai, Blue Key president.

ST. PAT'S DANCE

THE ST. PAT'S Dance was carried on in the usual Rose fashion — very successfully! The crowd, larger than expected, quickly filled all available tables.

The long awaited beard judging put an end to five weeks of "blade saving". The prize for the thickest growth went to John Egan, and Bill Nicewanger won for the most unusual growth.

With the coming of midnight, the unshaven faces vanished for another year.

Shook and NRT dig the music.





GRADUATION 1959



John Jardine, 1959 Heminway winner, chats with Dean Moench and Dr. Silverstein.

GRADUATION, representing the successful climax of sixteen years of study, stands as a goal which seniors are anxious to attain. However, it is not an end in itself, but merely a commencement. Some continue their studies on into graduate school, some begin to fulfill their military obligation, but most launch into the field of business and industry.

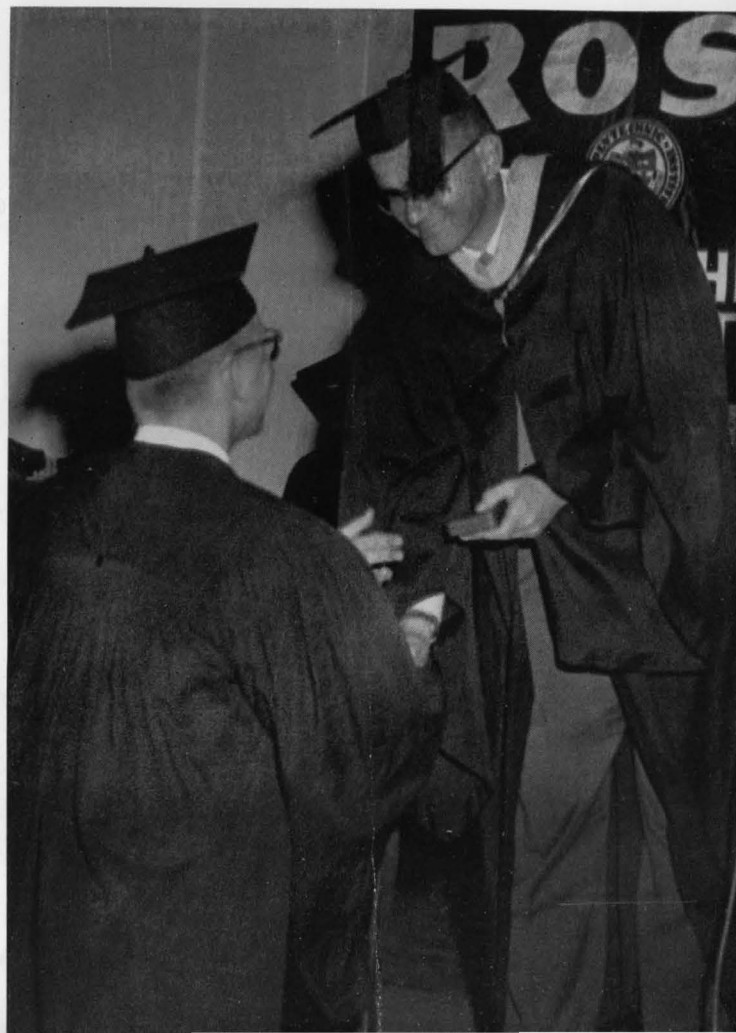
Down through the years, Rose has built a reputation for producing outstanding engineers. The 73 men who graduated in the Class of 1959, the 80th graduating class from Rose, were not exceptions to this record.

Abe Silverstein, outstanding Rose graduate, delivers the commencement address.



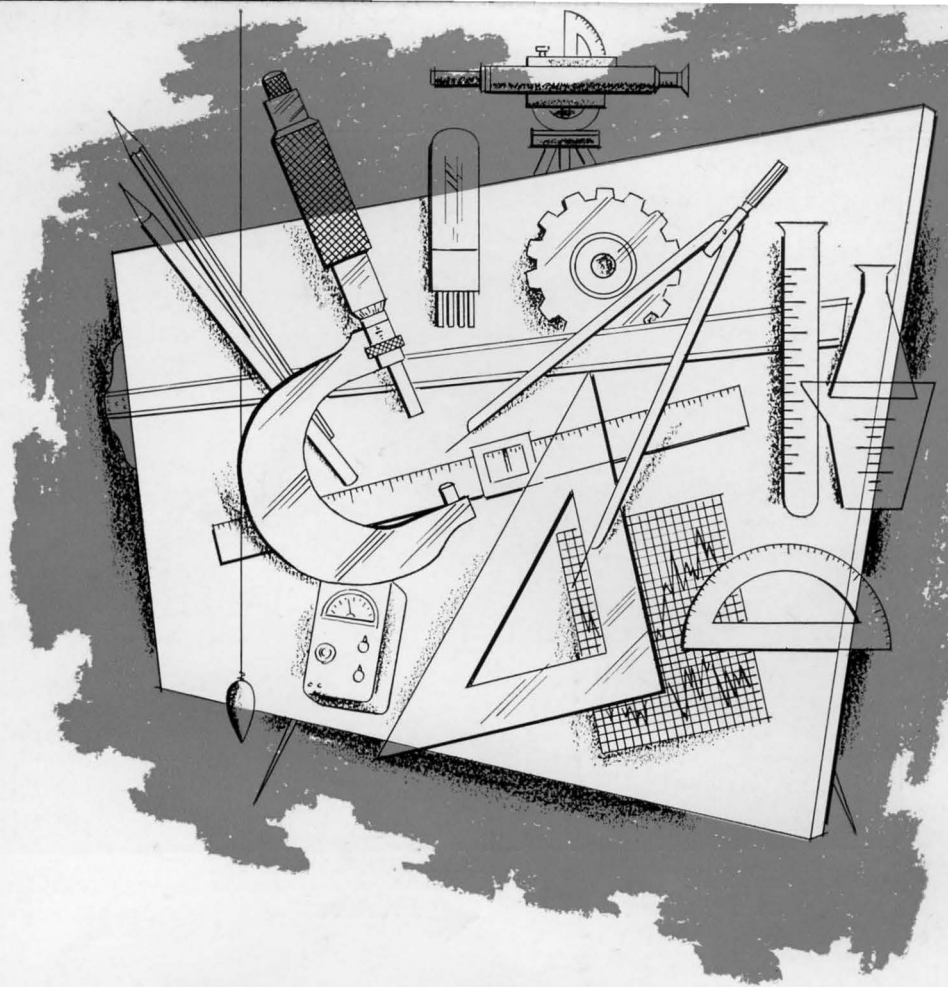


A capacity crowd fills the fieldhouse for the impressive commencement exercises.



Professor Hooper presents the Heminway Medal to John Jardine in recognition of his outstanding scholastic record.





CLASSES

DURING this past year, the 399 men attending Rose have worked their way one step closer to their goal, a degree in engineering or science. They come from many different places and from many different backgrounds, but they all work well together toward their common purpose—obtaining an education. Introducing the 1959-60 men of Rose.



NOBLE HUFF
Vice President

SPEEDY PHILLIPS
President

JACK THOMPSON
Secretary-Treasurer

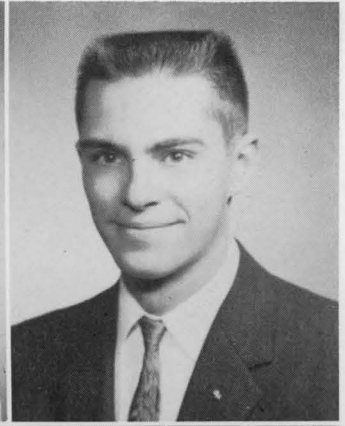
SENIORS

Boo and Bart cool "refreshments" in the lake.



GARY V. ANDERSON, M.E.
CALDWELL, NEW JERSEY

Blue Key, Corresponding Secretary; Tau Beta Pi; Sigma Nu, President; American Society of Mechanical Engineers; R-Men, President; Interfraternity Council, President; Sophomore Class Vice President; Class Honors, Fr., Soph., Jr.; Football, Co-Captain.

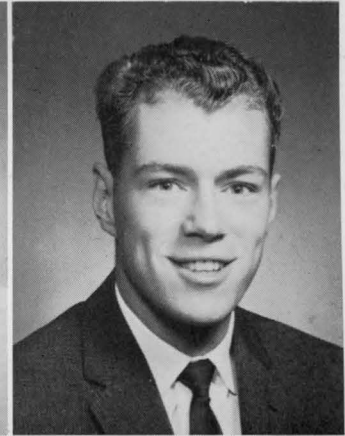


JAMES E. BAKER, M.E.
CULVER, INDIANA

Theta Xi, Corresponding Secretary; American Society of Mechanical Engineers.

JAMES H. BAUCH, M.E.
WORTH, ILLINOIS

Sigma Nu; American Society of Mechanical Engineers.

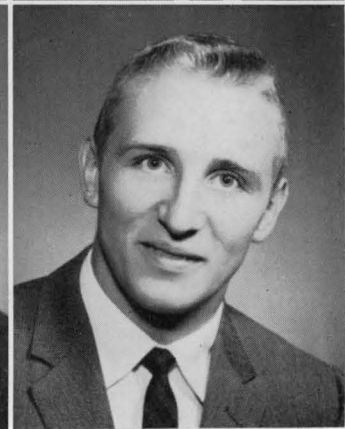


LEONARD W. BENNETT, E.E.
RIVERDALE, ILLINOIS

Institute of Radio Engineers, Secretary; MODULUS, Advertising Staff; Campus Club, President, Vice President; Rifle Club, President, Secretary-Treasurer; Rifle Team, Captain.

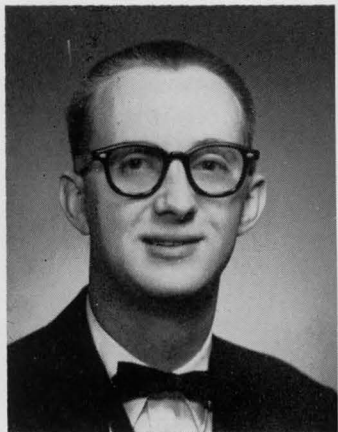
ROBERT LARRY BERGER, E.E.
CULVER, INDIANA

Blue Key; Alpha Tau Omega, President; American Institute of Electrical Engineers; TECHNIC, Co-Editor, Assistant Editor, Contributing Staff; R-Men; Interfraternity Council; Honor Man; Class Honors, Fr.; Basketball; Track.



HAROLD R. BOOHER, E.E.
ARMSTRONG, ILLINOIS

Blue Key; Alpha Tau Omega; American Institute of Electrical Engineers; MODULUS, Sports Staff; TECHNIC, Contributing Staff; R-Men, Secretary-Treasurer; Honor Man; Football; Track.



HENRY E. BRADLEY, E.E.
TERRE HAUTE, INDIANA

Tau Beta Pi; American Institute of Electrical Engineers; Class Honors, Fr., Soph., Jr.

LAURENCE M. BRADY, M.E.
OAK PARK, ILLINOIS

Lambda Chi Alpha; American Society of Mechanical Engineers.

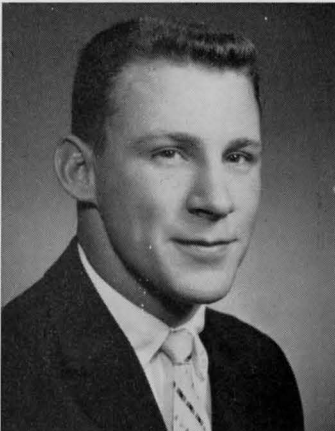
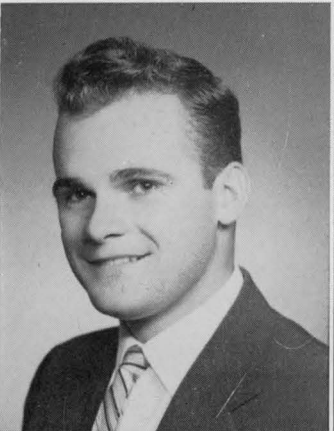


LEROY BROTHERS, Ch.E.
TERRE HAUTE, INDIANA

American Institute of Chemical Engineers; Society of American Military Engineers.

DEAN R. BROWN, E.E.
TERRE HAUTE, INDIANA

Tau Beta Pi, Recording Secretary; Theta Xi, Corresponding Secretary; American Institute of Electrical Engineers, Treasurer; Camera Club; Radio Club; Class Honors, Fr., Soph., Jr.



KENNETH H. BROWN, JR., M.E.
ST. BERNICE, INDIANA

Sigma Nu; American Society of Mechanical Engineers.

WILLIAM T. BRUMMETT, E.E.
OLNEY, ILLINOIS

Theta Xi, President; American Society of Electrical Engineers; Explorer, Business Manager; Student Council; Interfraternity Council.



JAMES J. BURNS, Ch.E.
TERRE HAUTE, INDIANA

Alpha Tau Omega; American Institute of Chemical Engineers.

ROBERT A. CRISP, M.E.
COLUMBUS, INDIANA

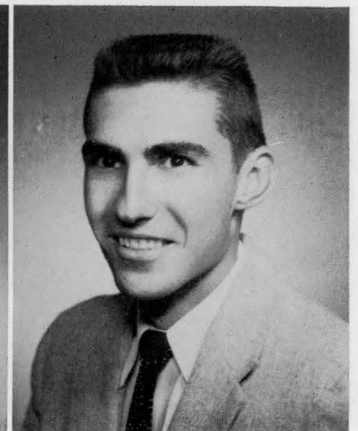
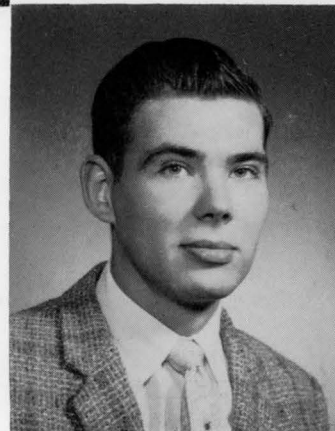
Sigma Nu; American Society of Mechanical Engineers; R-Men; Track.

JACQUE R. DHOOGHE, E.E.
BERWYN, ILLINOIS

Institute of Radio Engineers; Radio Club.

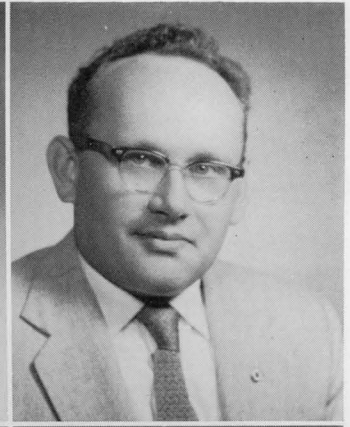
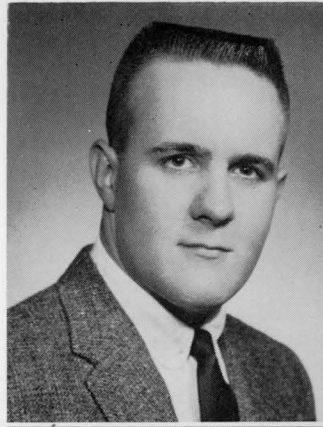
JOHN F. EDGINGTON, Ch.E.
CULVER, INDIANA

Theta Xi.



FRANK THOMAS FEUTZ, Math.
PARIS, ILLINOIS

Lambda Chi Alpha, Vice President; MODULUS, Advertising Staff; TECHNIC, Feature Staff; Pep Band.

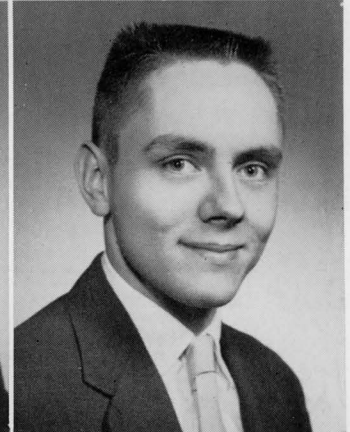
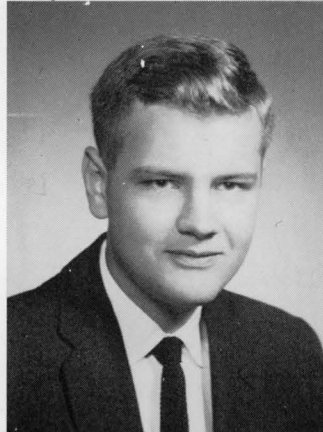


FRANKLIN E. FISHER, M.E.
ROBINSON, ILLINOIS

Tau Beta Pi; American Society of Mechanical Engineers; Campus Club; Class Honors, Fr., Jr.

PAUL M. FUNK, Ch.E.
TERRE HAUTE, INDIANA

American Institute of Chemical Engineers.

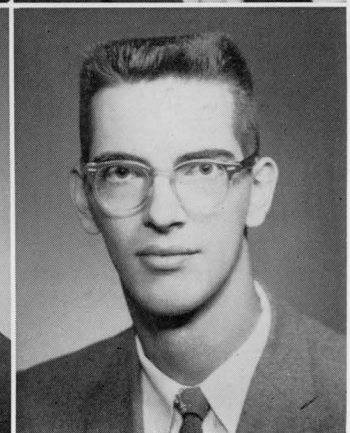
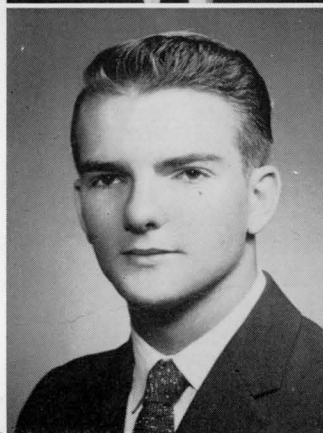


GERALD L. GASKINS, E.E.
TERRE HAUTE, INDIANA

Lambda Chi Alpha; Society of American Military Engineers; Institute of Radio Engineers; Pep Band, President, Secretary.

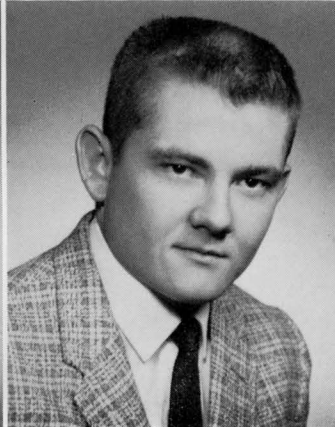
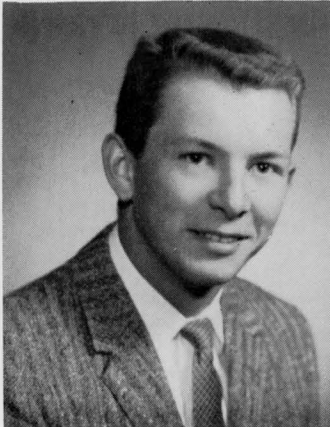
EDUARD L. GOHEEN, C.E.
BLOOMINGTON, INDIANA

Tau Beta Pi; Theta Xi; American Society of Civil Engineers; Campus Club; R-Men; Class Honors, Fr., Soph., Jr.; Baseball.



JAMES MEREDITH GREGGGS, E.E.
FARMERSBURG, INDIANA

R-Men; Radio Club; Basketball; Track.

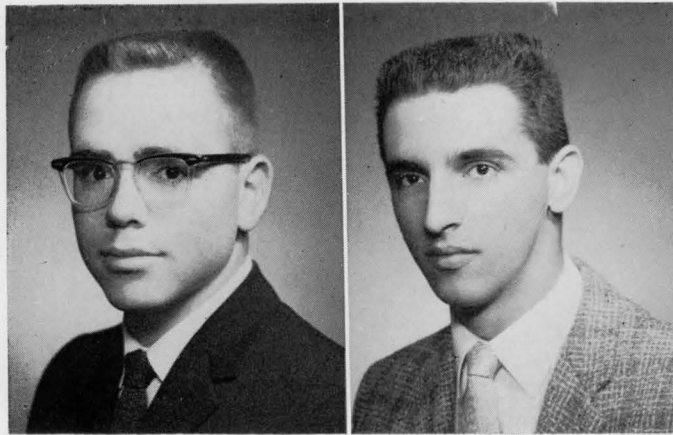


BARTON L. GRONBERG, M.E.
BATAVIA, ILLINOIS

Lambda Chi Alpha; American Society of Mechanical Engineers; R-Men; Student Council; Football.

TERRY V. HALLCOM, M.E.
ZIONSVILLE, INDIANA

Blue Key; Lambda Chi Alpha; American Society of Mechanical Engineers, President; TECHNIC, Contributing Staff; Explorer, Advertising Manager; Math Club, Secretary-Treasurer; R-Men; Student Council, President; Honor Man; Football; Track.



ROBERT J. HONEGGER, M.E.
FORREST, ILLINOIS

Theta Xi, Treasurer; American Society of Mechanical Engineers, Secretary-Treasurer.

RONALD J. HUBERS, E.E.
VINCENNES, INDIANA

Institute of Radio Engineers; Campus Club, Treasurer; Radio Club.

NOBLE F. HUFF, Ch.E.
PARIS, ILLINOIS

Tau Beta Pi, Corresponding Secretary; Lambda Chi Alpha; American Institute of Chemical Engineers, Secretary; Society of American Military Engineers; TECHNIC, Feature Editor, Contributing Staff; Class Honors, Fr., Soph., Jr.

NORMAN I. HUNTLEY, Physics
TERRE HAUTE, INDIANA

Tau Beta Pi; TECHNIC, Contributing Staff; Math Club; Class Honors, Fr., Soph.

CHARLES T. JAENKE, M.E.
CLEVELAND, OHIO

Blue Key; Alpha Tau Omega; American Society of Mechanical Engineers; MODULUS, Business Manager, Copy Staff; Campus Club; Glee Club, President; R-Men; Honor Man; Class Honors, Fr.; Basketball Manager; Track.

EDMUND W. JAMES, M.E.
TERRE HAUTE, INDIANA

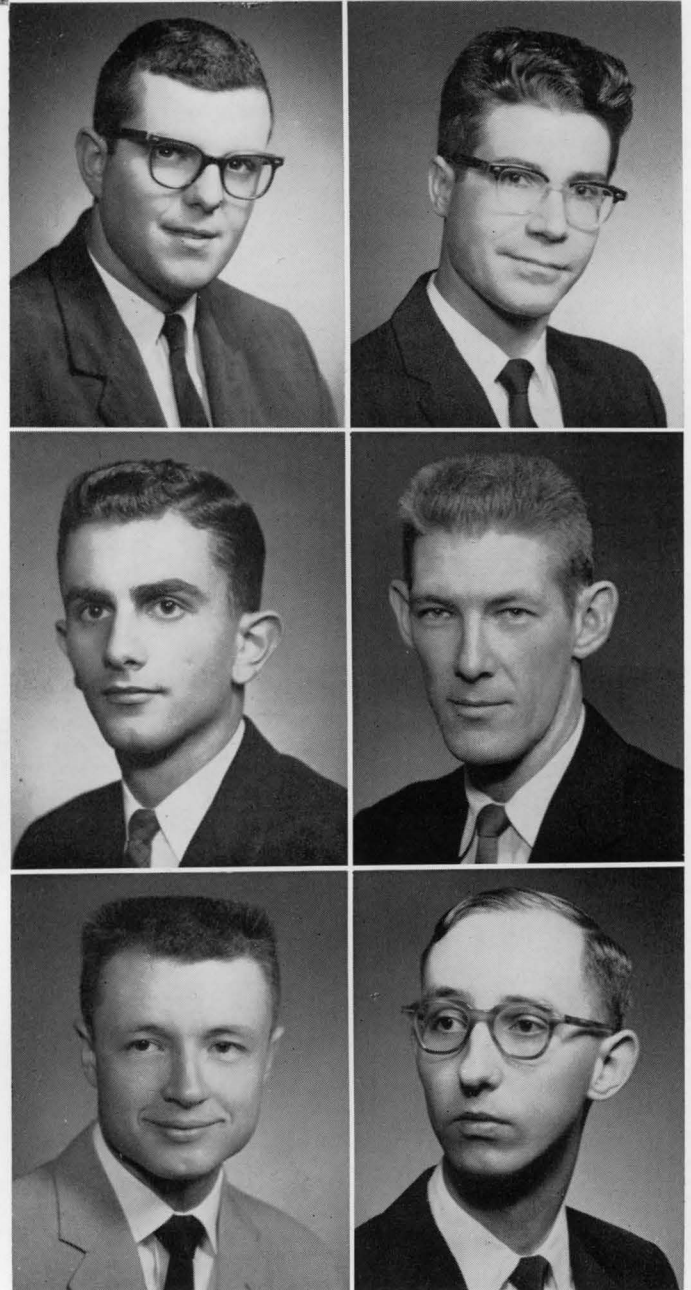
Theta Xi; American Society of Mechanical Engineers; Class Honors, Jr.

RONALD R. JENNINGS, E.E.
FARMERSBURG, INDIANA

Alpha Tau Omega; American Institute of Electrical Engineers; Glee Club; R-Men; Basketball.

JERRY M. JOHNSON, E.E.
SEYMOUR, INDIANA

Society of American Military Engineers; Institute of Radio Engineers; Class Honors, Fr.

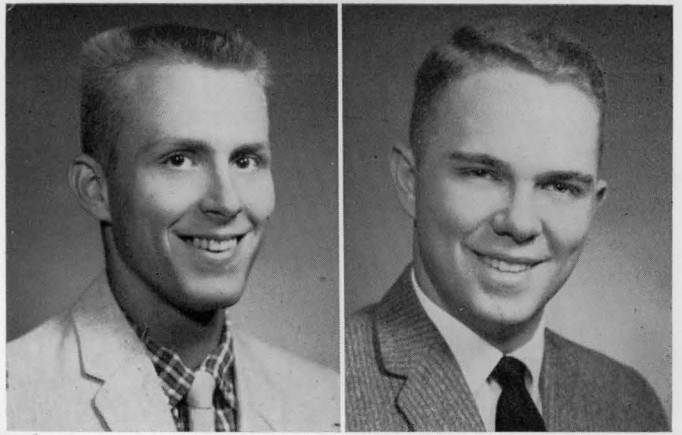


ROBERT R. JOHNSON, Ch.E.
TERRE HAUTE, INDIANA

American Institute of Chemical Engineers; Society of American Military Engineers.

WILLIAM B. JOHNSON, E.E.
ROBINSON, ILLINOIS

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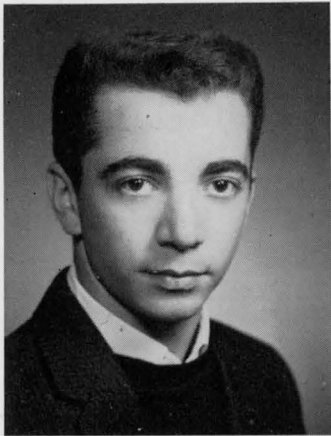


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MT. VERNON, ILLINOIS

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NIAGARA FALLS, NEW YORK

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LAURENCE J. LOGUE, Math.
RICHMOND, INDIANA

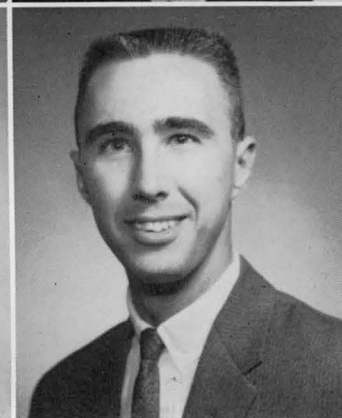
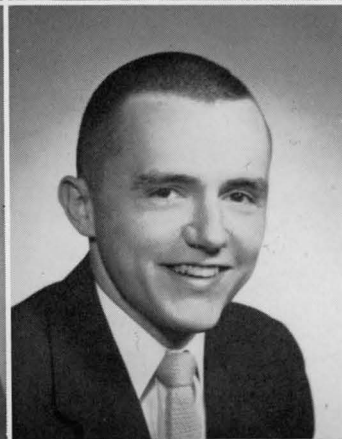
B.S. M.E., Rose Polytechnic Institute, 1959; Blue Key; Tau Beta Pi; Lambda Chi Alpha, Treasurer; TECHNIC, Contributing Editor; R-Men; Student Council; Honor Man; Class Honors, Fr., Soph., Jr., Sr.; Track, Captain.

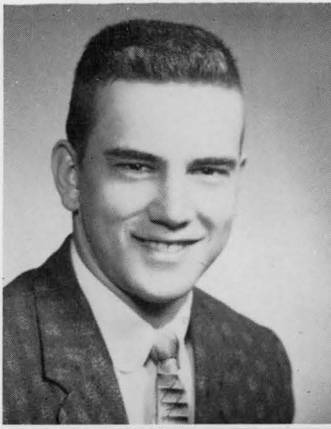
DANIEL MAFFUCCI, E.E.
NEW ROCHELLE, NEW YORK

Sigma Nu, Vice President; American Institute of Electrical Engineers; Explorer, Reporter; Camera Club; Campus Club, Treasurer; Interfraternity Council.

BRUCE A. McDOWELL, Ch.E.
HOBART, INDIANA

Lambda Chi Alpha; American Institute of Chemical Engineers, Vice President; Campus Club, Secretary; Glee Club.



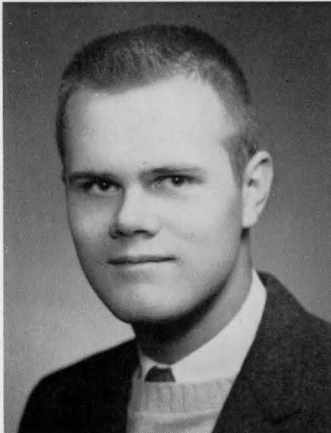


HAROLD E. MILLER, E.E.
MARTINSVILLE, ILLINOIS

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DONALD J. MISLIVEC, E.E.
CLINTON, INDIANA

American Institute of Electrical Engineers.

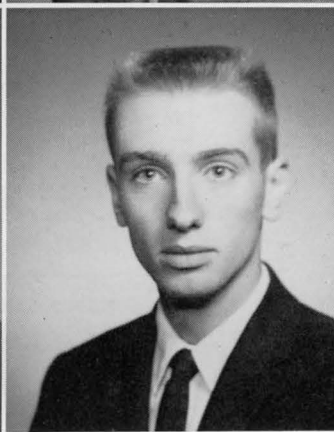
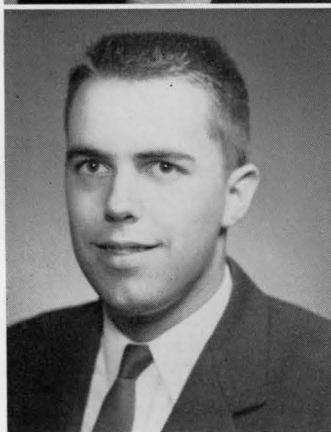


JAMES R. MONTGOMERY, Chem.
WILMINGTON, MASSACHUSETTS

Lambda Chi Alpha; American Institute of Chemical Engineers; Explorer, Reporter; Campus Club; Glee Club.

DONALD W. MOYER, M.E.
TERRE HAUTE, INDIANA

American Society of Mechanical Engineers.



LOUIS P. OLDHAM, E.E.
BOONVILLE, INDIANA

American Institute of Electrical Engineers, Secretary; Institute of Radio Engineers; Society of American Military Engineers; Campus Club; Radio Club, Vice President.

JAMES H. ONNEN, M.E.
MINONK, ILLINOIS

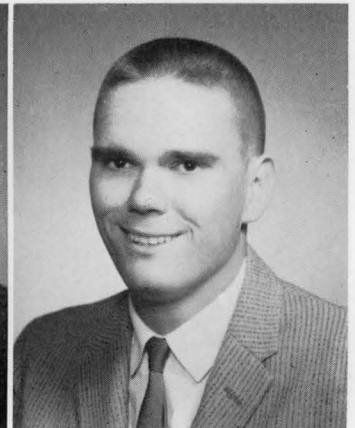
Sigma Nu, Vice President; American Society of Mechanical Engineers; Society of American Military Engineers; Student Council; Interfraternity Council, Secretary; Junior Class President.

CHARLES M. OVERBEY, M.E.
SCOTTSBURG, INDIANA

Lambda Chi Alpha; American Society of Mechanical Engineers, Vice President; MODULUS, Layout Staff; Explorer, Advertising Staff; Campus Club; Rifle Club.

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LEBANON, INDIANA

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CHARLES F. PIPER, C.E.
TERRE HAUTE, INDIANA

American Society of Civil Engineers; Class Honors, Fr.

LOUIS H. ROEHM, C.E.
TERRE HAUTE, INDIANA

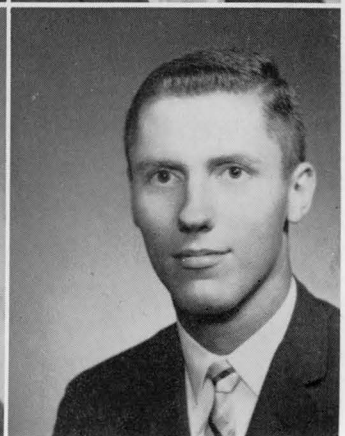
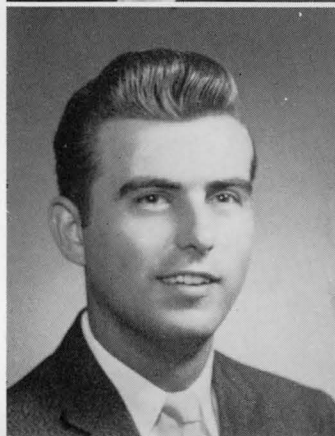
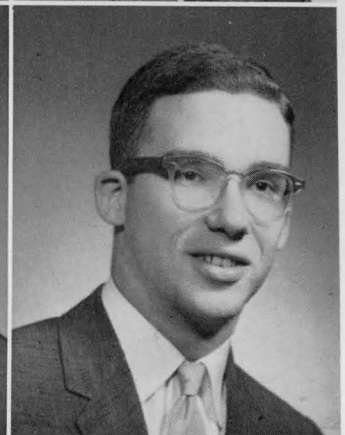
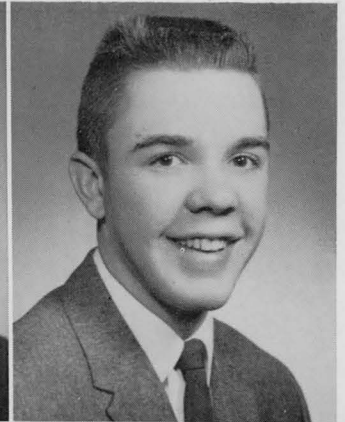
Blue Key; Tau Beta Pi; Alpha Tau Omega; American Society of Civil Engineers; Society of American Military Engineers; **MODULUS**, Copy Staff; **TECHNIC**, Feature Staff, Circulation Staff; R-Men; Student Council; Honor Man; Class Honors, Soph., Jr.; Baseball, Co-Captain.

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American Society of Mechanical Engineers; Student Council.

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HINSDALE, ILLINOIS

Lambda Chi Alpha, Vice President; American Institute of Electrical Engineers; Society of American Military Engineers; Interfraternity Council.

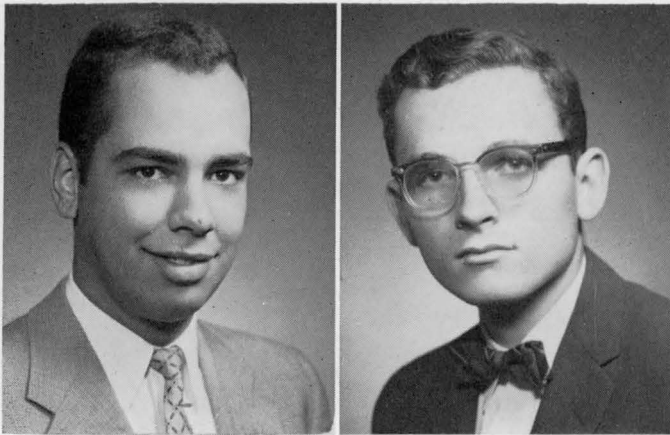


ROBERT J. SCHUKAI, E.E.
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TERRE HAUTE, INDIANA

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DAVID G. STAGGS, C.E.
TERRE HAUTE, INDIANA

American Society of Civil Engineers; Track.

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LOUISVILLE, KENTUCKY

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JACK C. THOMPSON, M.E.
FINDLAY, OHIO

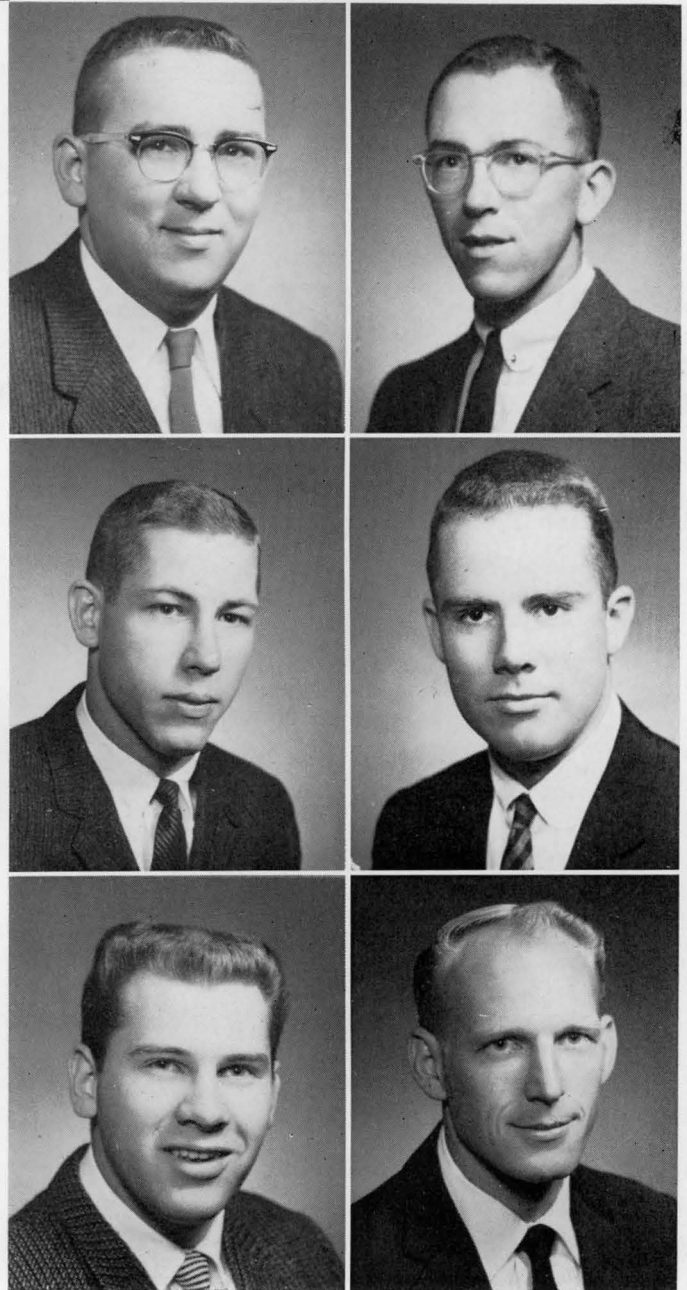
Alpha Tau Omega; American Society of Mechanical Engineers; MODULUS, Photography Staff, Advertising Staff; TECHNIC, Advertising Staff; Camera Club.

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Alpha Tau Omega; American Institute of
Electrical Engineers; MODULUS, Sales Staff;
TECHNIC, Feature Staff, Circulation Staff;
R-Men; Honor Man; Baseball.

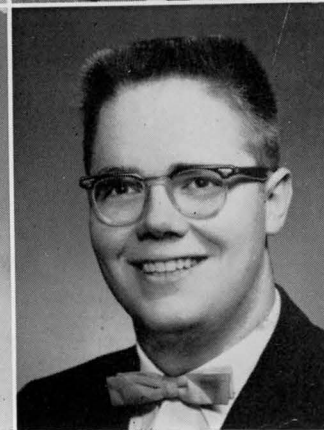
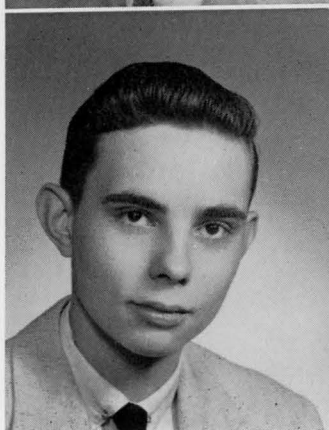


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American Society of Civil Engineers.

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CHICAGO, ILLINOIS

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Chairman of Counselors; Radio Club; Dis-
tinguished Military Student.



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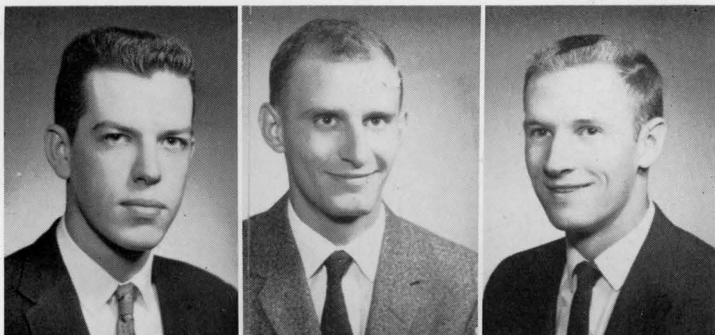
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Fairmont, Indiana

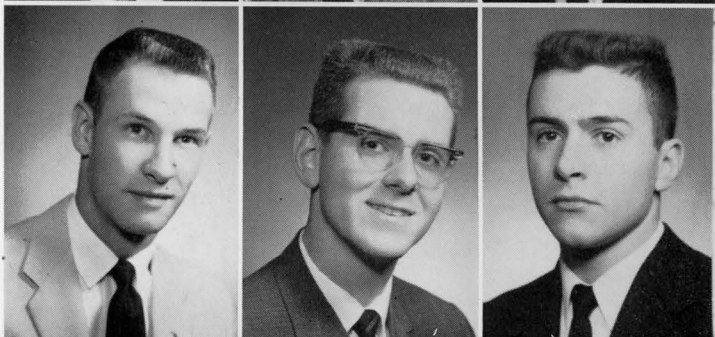
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ROBERT L. CARTER, E.E.
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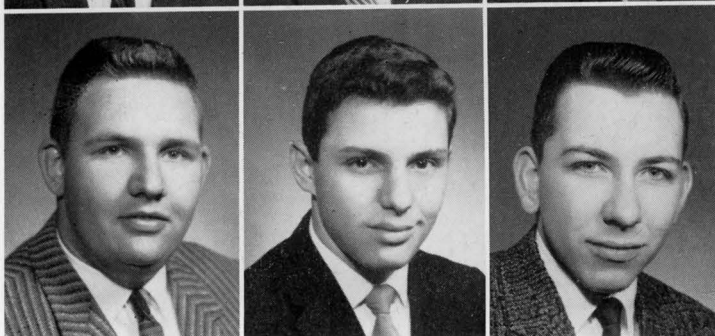
DON L. DEKKER, M.E.
Kewanna, Indiana

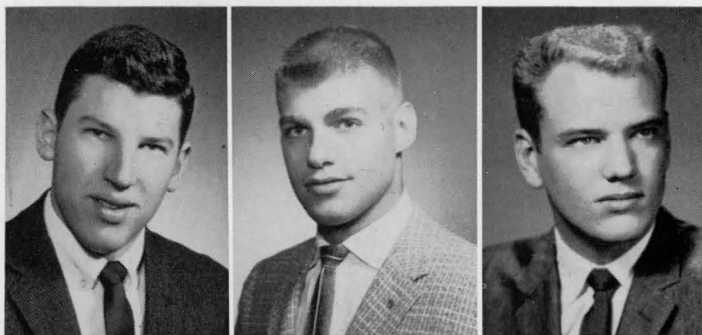


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Indianapolis, Indiana



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WARREN K. GRIFFITH, Ch.E.
Racine, Wisconsin

VERNON R. GROSS, E.E.
Olney, Illinois



LAWRENCE L. HARTLEY, Math.
Hanover, Indiana

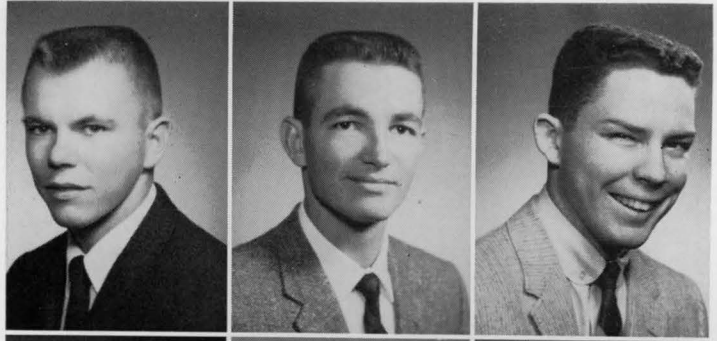
JERRY D. HEINIGER, E.E.
Kankakee, Illinois

DONALD S. HERRIN, C.E.
Indianapolis, Indiana

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MEADOR T. HILL, JR., M.E.
Orland Park, Illinois



FRANCIS J. HIRT, Math.
Evansville, Indiana

THOMAS J. HORMUTH, C.E.
Evansville, Indiana

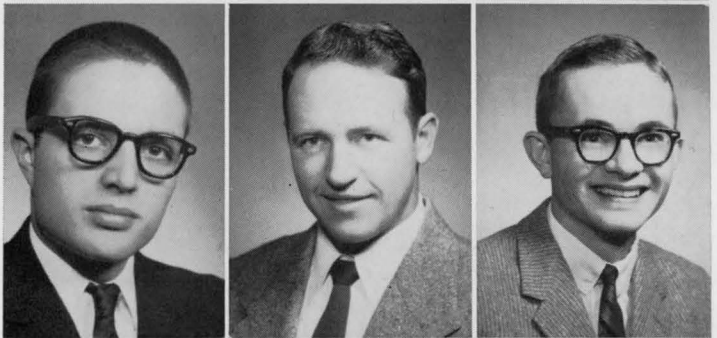
GALE K. HURST, E.E.
Paris, Illinois



RONALD J. IRELAND, Math.
Edinburg, Indiana

ROBERT J. JOHNSON, C.E.
Terre Haute, Indiana

ALAN H. JOHNSON, E.E.
Terre Haute, Indiana



DANIEL V. KINGERY, JR., E.E.
Brazil, Indiana

EDWARD KOSTRA, M.E.
East Chicago, Indiana

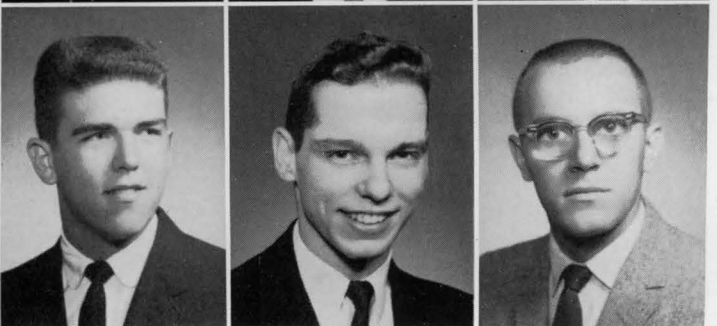
JAMES J. KVASNICA, M.E.
Highland, Indiana

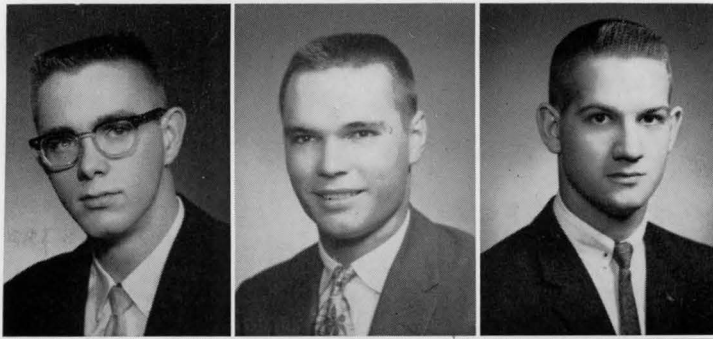


RICHARD J. LANDENBERGER, M.E.
Olney, Illinois

DONALD R. LANNING, Ch.E.
Terre Haute, Indiana

GEORGE T. MASON, Math.
Bloomfield, Indiana

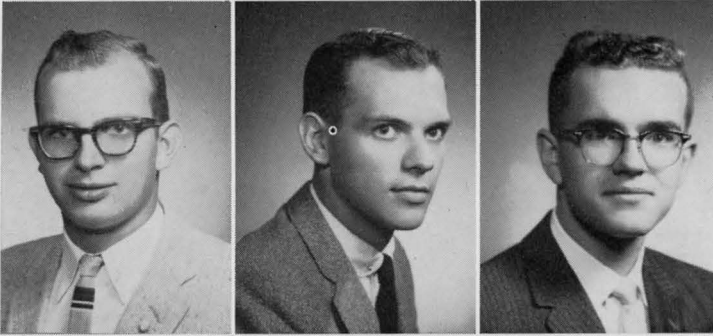




ROBERT A. McCARDLE, M.E.
Aurora, Indiana

ROBERT L. McClUNG, Math.
West Terre Haute, Indiana

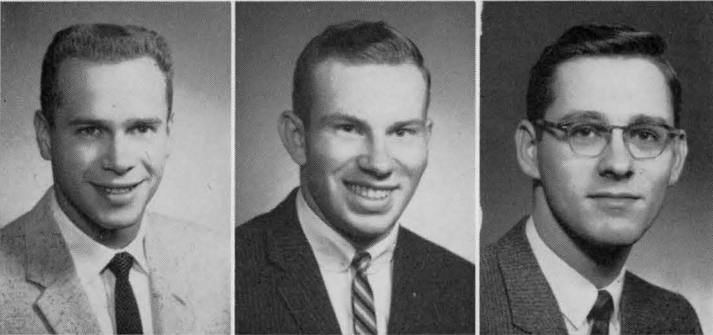
ROBERT D. MICHAEL, E.E.
Bay Village, Ohio



CARL MIHLBACHLER, M.E.
Teutopolis, Illinois

LARRY W. MYERS, E.E.
Hillsboro, Indiana

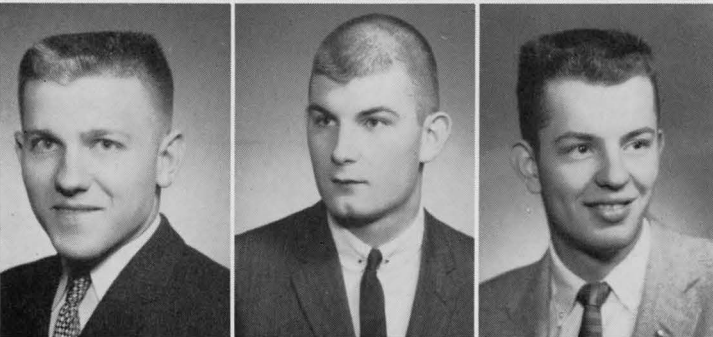
DONALD A. NIEDRINGHAUS, Ch.E.
Westphalia, Indiana



GERALD G. NIKA, Chem.
Martinsville, Illinois

RICHARD E. PIKE, M.E.
Terre Haute, Indiana

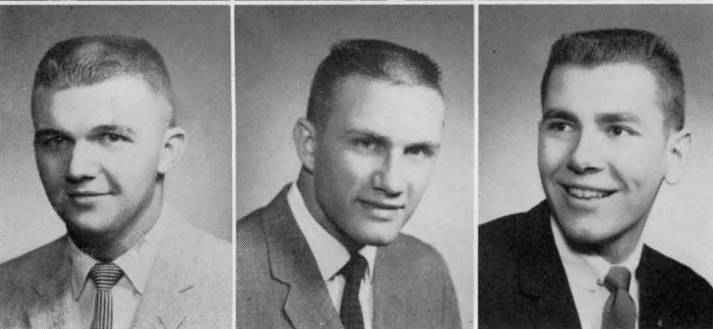
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Louisville, Kentucky



EARL D. POWELL, Ch.E.
Terre Haute, Indiana

DALE A. RAQUET, E.E.
Columbus, Indiana

JOHN R. RAY, Phys.
Greencastle, Indiana

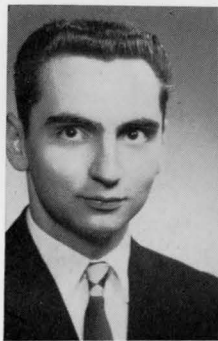


WILLIAM W. ROSE, C.E.
Danville, Illinois

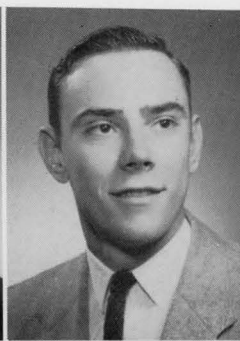
JACK E. SCHREINER, Math.
Washington, D.C.

STEPHEN I. SKERSICK, Ch.E.
Kewanna, Indiana

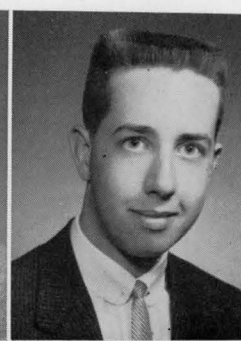
CHARLES W. SMITH, E.E.
Modoc, Indiana



JOHN MICHAEL SMITH, Math.
North Salem, Indiana



RONALD L. STAGGS, E.E.
Terre Haute, Indiana



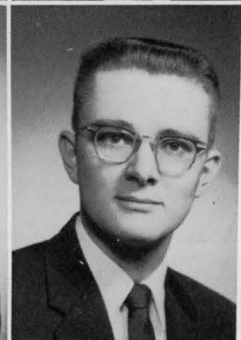
ROBERT L. STARK, JR., M.E.
Niagara Falls, New York



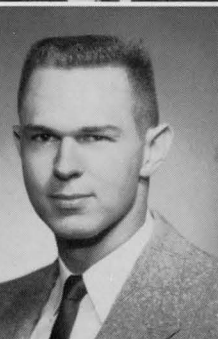
WILLIAM M. STEELE, C.E.
Mount Vernon, Illinois



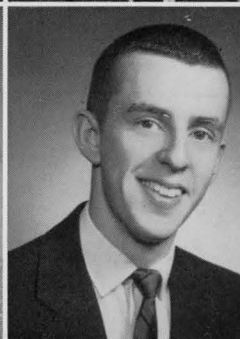
JON E. STILES, M.E.
Shelbyville, Indiana



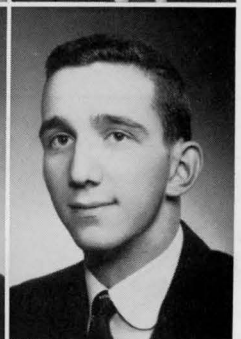
JOHN E. TINDALL, Math.
Terre Haute, Indiana



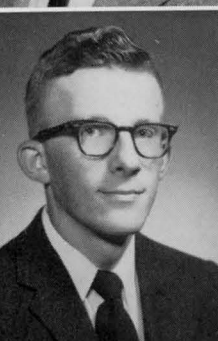
DAVID A. TRUEB, E.E.
Shelbyville, Indiana



ROBERT L. TURECKY, C.E.
Rockville, Indiana



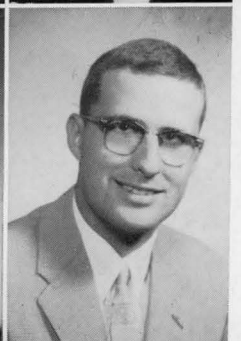
STEWART W. VOLKERS, M.E.
Terre Haute, Indiana



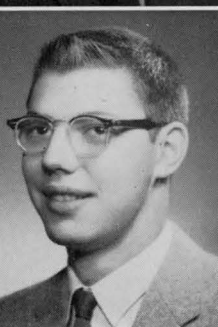
RALPH J. WARDLE, C.E.
West Terre Haute, Indiana



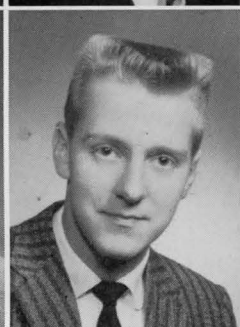
JOHN V. WHITE, Math.
Switz City, Indiana



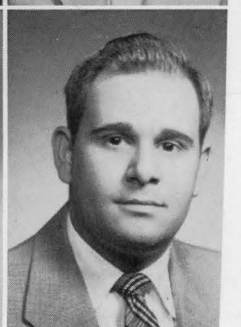
WILLIAM H. YOCHUM, C.E.
Terre Haute, Indiana



WILLIAM O. YOUNG, M.E.
Danville, Illinois



FRANK ZONE, JR., M.E.
Gary, Indiana



SOPHOMORES

AL STORY
Secretary-Treasurer

JIM MALONE
President



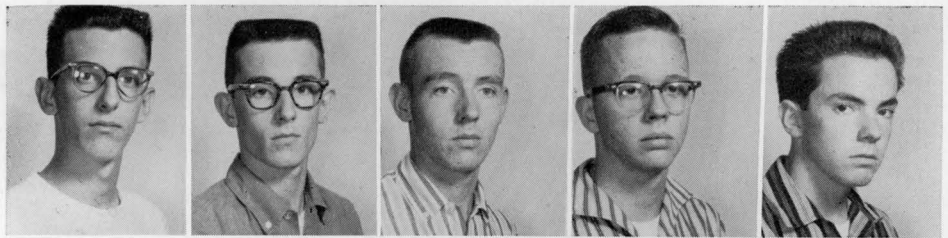
LEONARD C. ACHTENBERG
JOSEPH W. ANDEL
RONALD J. ANDIS
DON C. AUGENSTEIN
JERRY D. BADGER

STEPHEN D. BAN III
RICHARD D. BENNETT
RONALD A. BILYOU
PAUL F. BLASE
RODNEY K. BOGUE

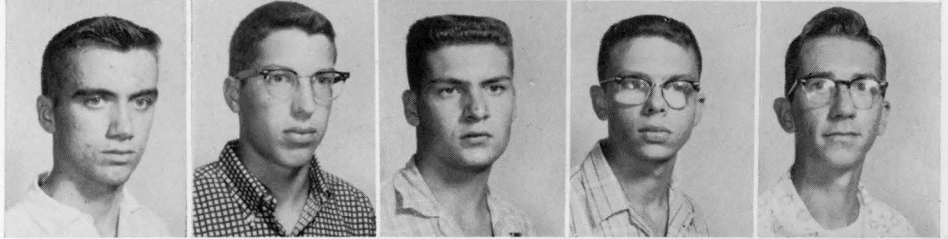
LAWRENCE D. BOHLER
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ROBERT G. BROWN
THOMAS B. BROWN

WILLIAM R. BROWN
HARVEY B. BURKETT
LAWRENCE S. BURROWS
SCOTT CARR
MORRIS L. CLEVERLEY, JR.

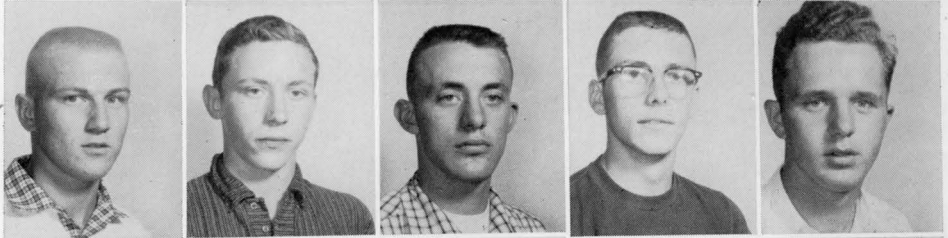
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 RICHARD A. CORDILL
 PAUL V. DAVISSON
 CHARLES C. DEWEESE
 ROSS W. DRING



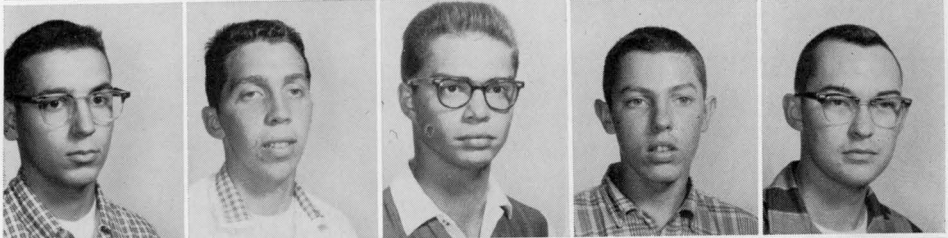
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 DIXON K. FOSS
 CARL R. GARMONG
 MICHAEL W. GILPATRICK
 JERRY L. GREGG



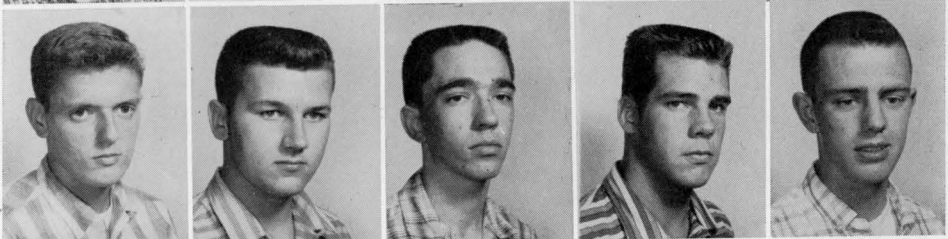
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 JOHN W. HALEY
 NED P. HANNUM
 RODERICK K. HERRICK
 MICHAEL J. HMUROVICH



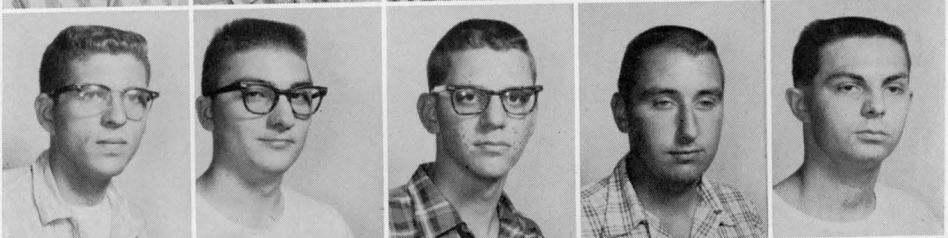
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 WARREN A. JANNASCH, JR.
 RONALD L. JOHNSON



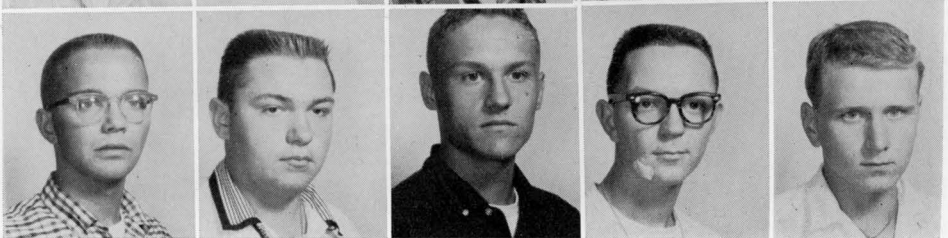
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 EDWARD P. KELLEY
 RONALD L. KLINECT
 WILLIAM P. McGIVERN
 GAROLD L. LIFFICK



JAMES T. MALONE
 CHARLES C. McCOY
 LEO B. LANDSBAUM
 GEORGE I. McLELLAN
 CLYDE R. METZ

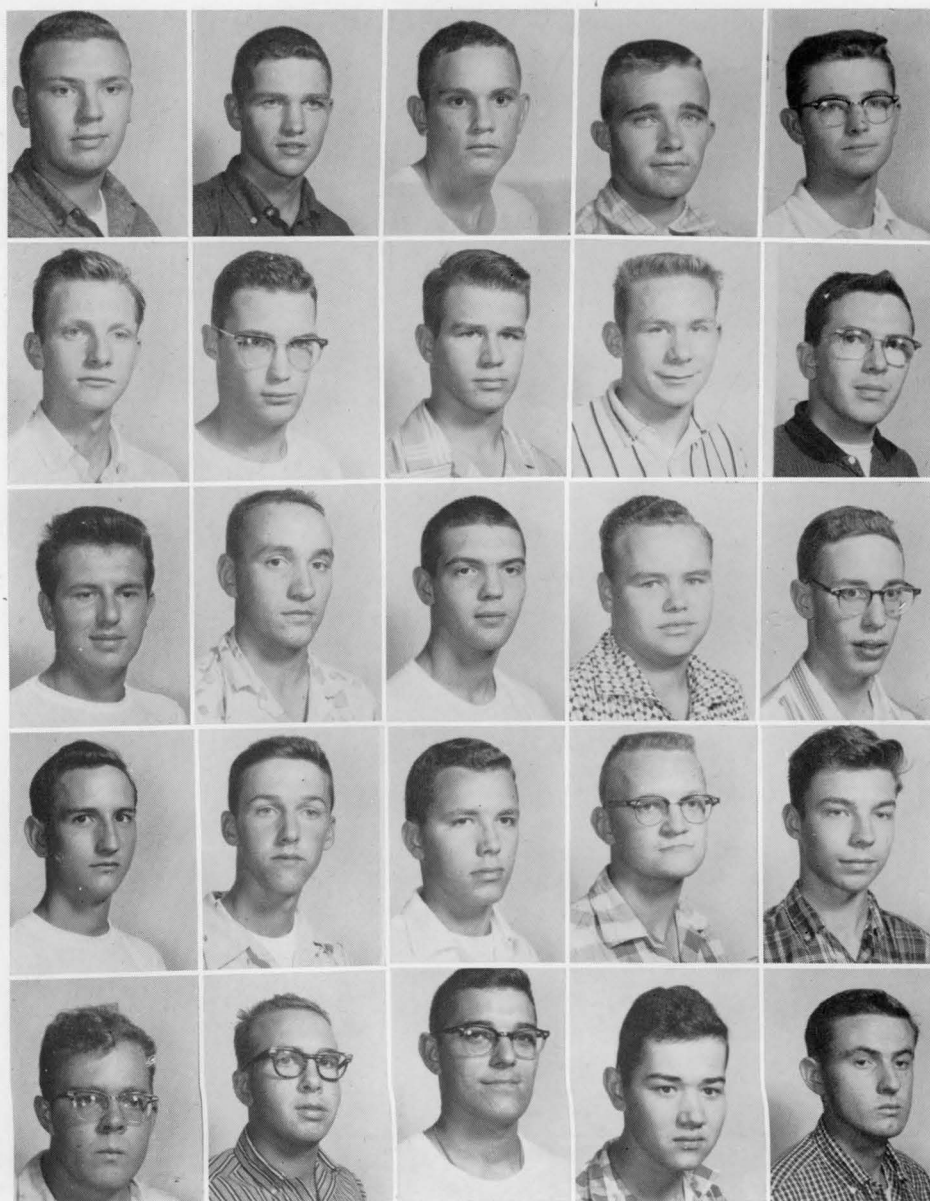


RICHARD L. MILLS
 FREDERICK E. MORGAN
 JACK C. MUNRO
 DALE OEXMANN
 ROBERT J. PESAVENTO





Greg Vargo and George Hutchison pour on the steam.



SAMUEL E. PINCICH
DAN POOL
DAVID M. REECE
JOHN L. REED
SAMMY R. RIPPLE

BRENT E. ROBERTSON
DON L. ROBINSON
THOMAS H. ROSE
PAUL E. SABLA
JAMES R. SCHAFER

LAWRENCE G. SHABI
ROBERT SMITH
JOE W. SNYDER
WILLIAM F. SQUIRE
WILLIAM D. STARNES

ALFRED L. STORY
JAMES W. SUMMERS
ROBERT R. SWANDER
FRED H. TERRY
RICHARD H. THOMPSON

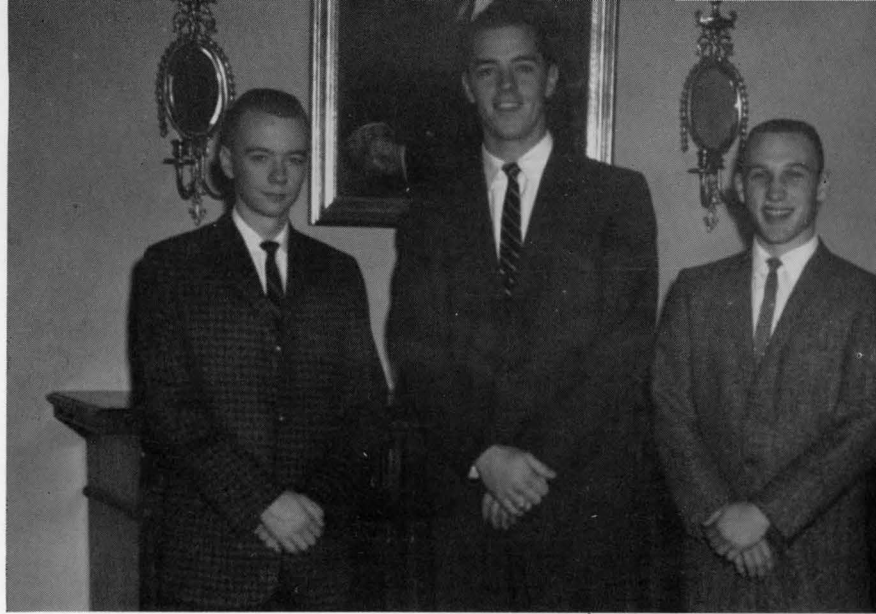
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GARY VALBERT
GREGORY P. VARGO
JOHN S. WALDEN
FREDERICK WRIGHT

FRESHMEN

MAX GOODWIN
Secretary-Treasurer

CAP WETZELL
President

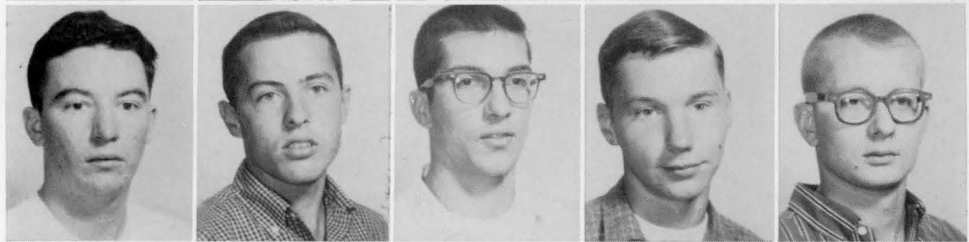
GREG BOLT
Vice President



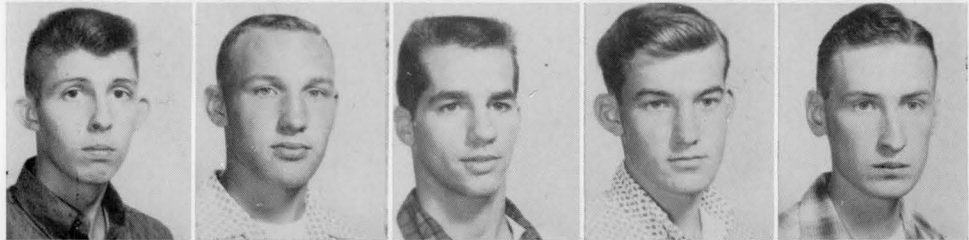
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JOHN F. ANDERSON
LARRY A. ANDERSON
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EDWARD B. BAKER



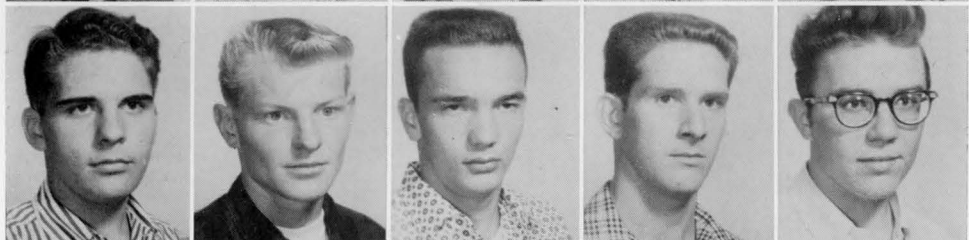
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EDWARD J. BLAHUT



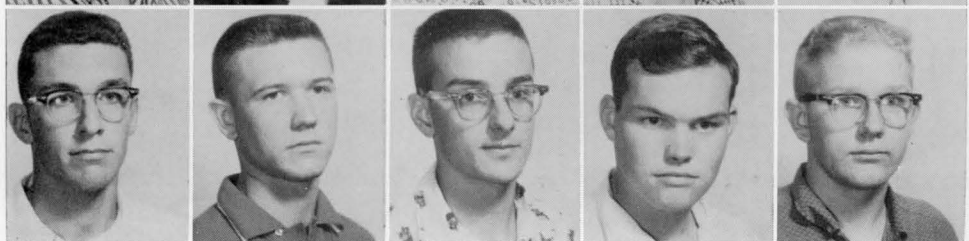
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THOMAS W. BOSWORTH
DAVID W. BOWKER



ANDY O. BREECE
STANLEY BREITENBACH
MICHAEL K. BUMGARDNER
DONALD E. CARRICO
ROBERT B. CASSELL

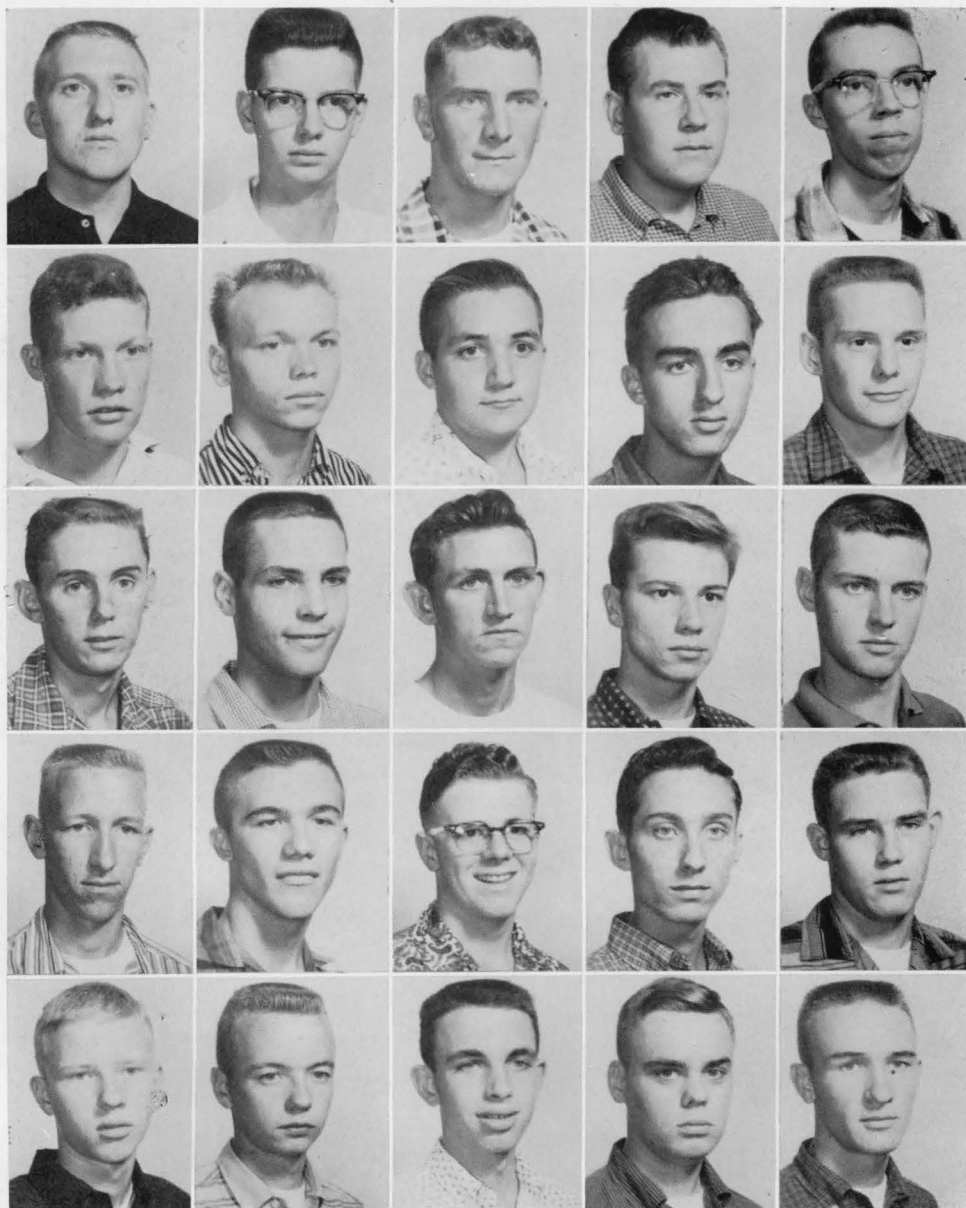


PHILIP A. CHUTE
TERRY D. COCHRAN
JAMES M. COLE
JAY P. CONNIFF
RANDAL W. COOPRIDER





The cooperative method of building a road block.



FRED M. COSGROVE
 DAVID G. CRIPE
 BILLY L. CRYNES
 RICHARD J. DANIELS
 RONALD L. DANILOWICZ

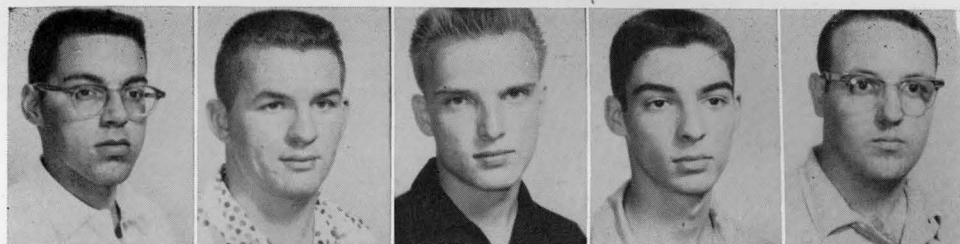
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 TOM W. DAVIDSON
 MELVIN C. DAWSON
 CHRIS F. DEISHER
 GERALD DENTON, JR.

JERRY L. DOWELL
 DAVID A. DUMFORD
 BRUCE R. EATON, JR.
 WILLIAM J. EDMONS
 JOHN M. EGAN

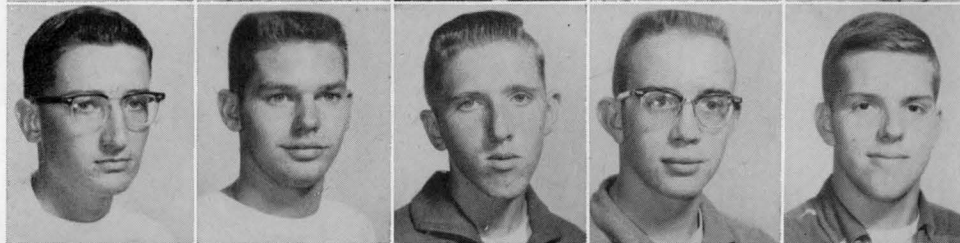
RICHARD B. ESKER
 TOM F. FITE
 DOUGLAS A. FORD
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 DALE A. FRENCH

JOHN P. GILLIS
 MAX E. GOODWIN
 JOSEPH G. GRUMME
 ROBERT P. GUMMERE
 WILLIAM L. HALL

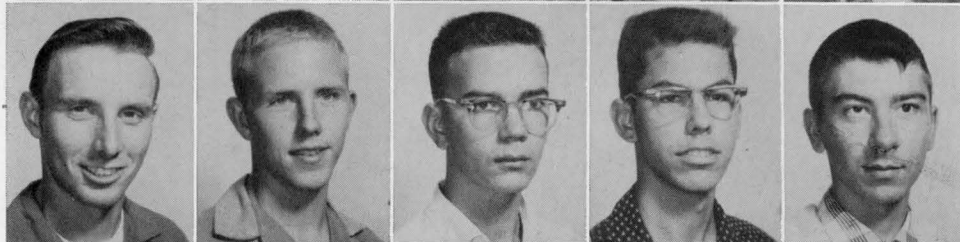
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 MICHAEL H. HAYES
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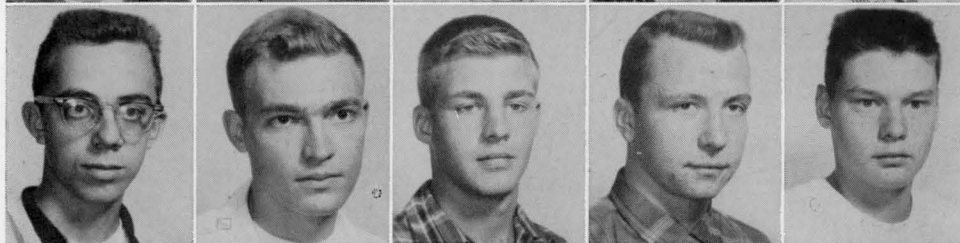
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 JOHN R. HOBBS
 JACOB S. HOFFMAN
 JOHN R. IRONS
 ROBERT N. IRWIN



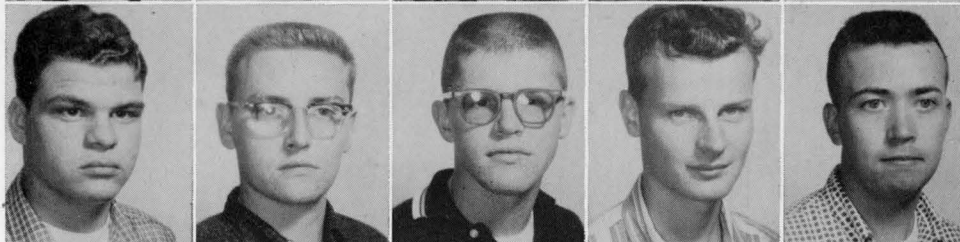
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 MIKE E. JOHNSON
 DENNIS KARWATKA
 STEPHEN KERN
 NICHOLAS J. KIRA



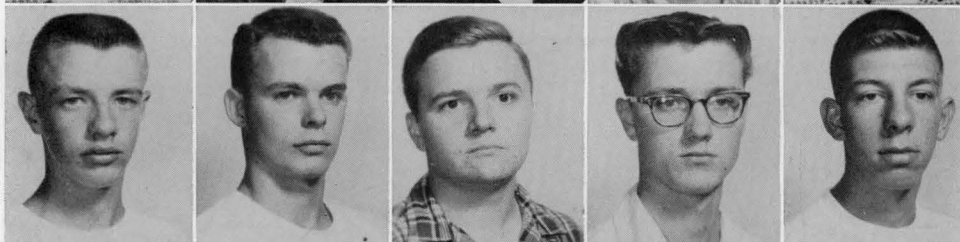
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 DAVID A. LAKE
 LARRY A. LANDIS
 RAYMOND J. LEPP
 JEFFREY J. LEW



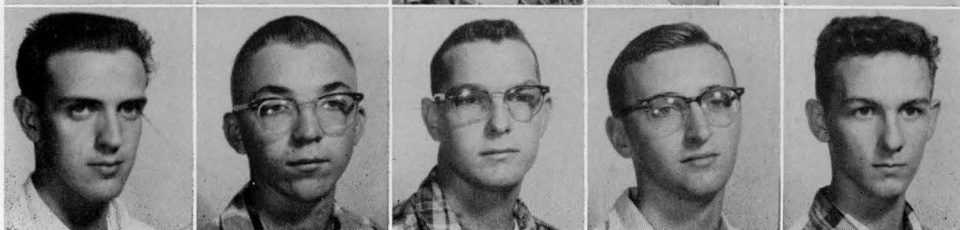
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 DANIEL R. LITTLE
 WILLIAM R. LITTLEJOHN II
 CHARLES M. LONG, JR.

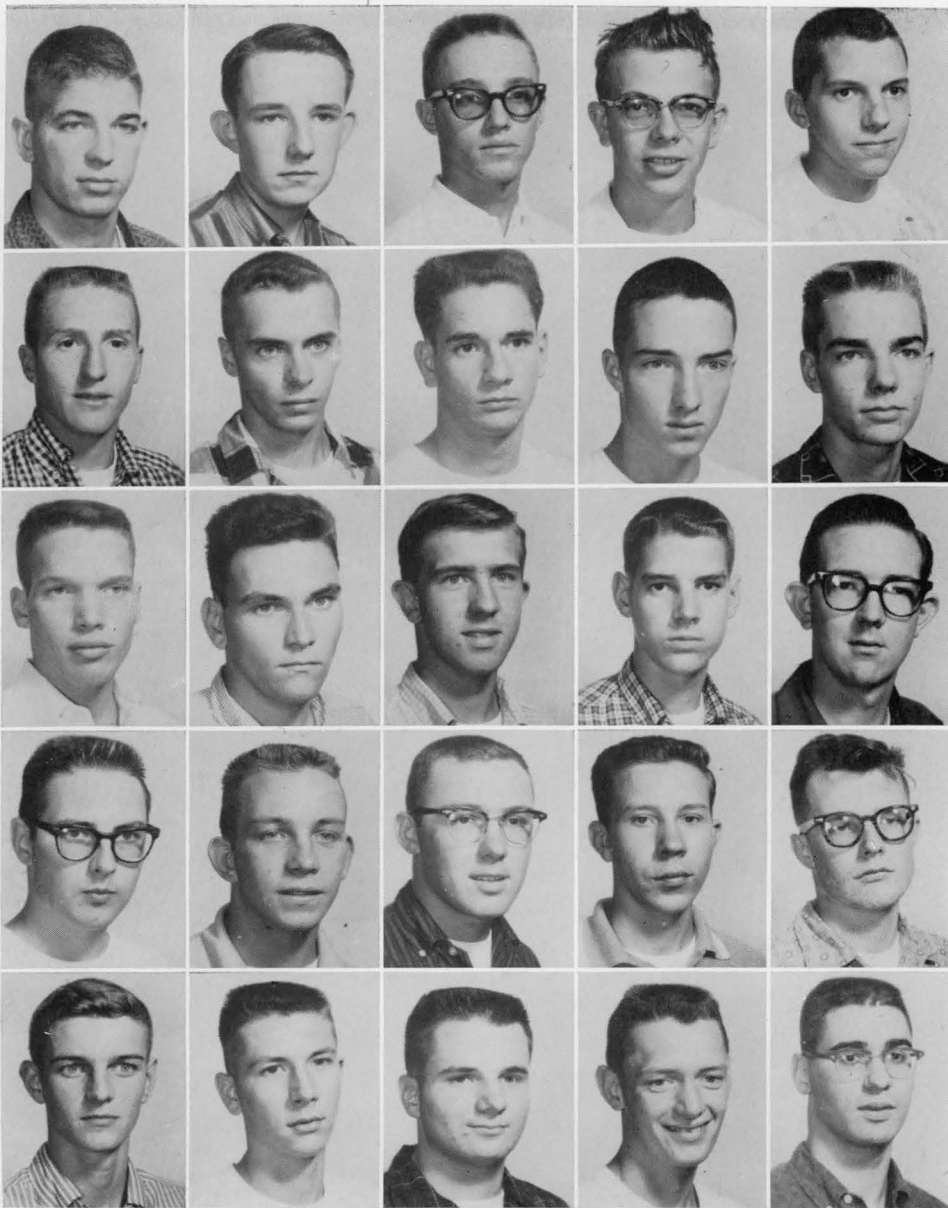


ROBERT D. LOVELL
 BRENTON R. LOWER
 MAX W. LUNSFORD
 JAMES D. McCLURE
 ROBERT W. McCOIGE



LARRY McCULLOUGH
 DONALD E. MARIETTA
 LARRY J. MARSHALL
 KENNETH H. MILLER
 CARL G. MITTON





JON F. MODESITT
 RICHARD G. MOENCH
 ROBERT L. MURRAY
 LEWIS W. NEWLAN
 GEORGE M. NEWMAN

WILLIAM B. NICEWANGER
 JERRY T. NICKERSON
 DAVID E. NIEDERHAUS
 JOSEPH P. ODENWALDER
 TERENCE R. O'HAVER

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 DON J. PIERCE
 MICHAEL A. PLISKY
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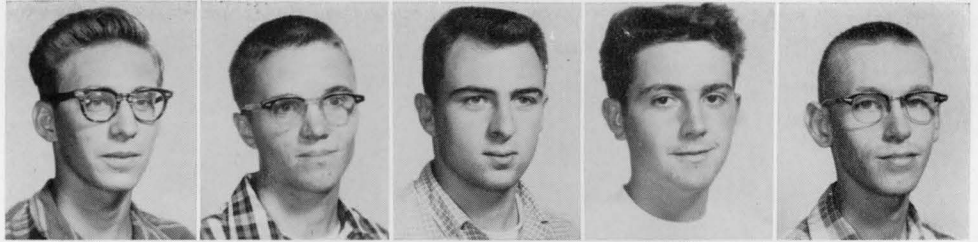
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 CLIFTON A. PRATT II
 KENNETH B. PUCKETT
 JAMES A. RADER
 WILLIAM D. RANDOLPH

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 GARY M. REYNOLDS
 MERLE D. RICE
 PAUL F. RICHARDSON
 JACK P. RILEY

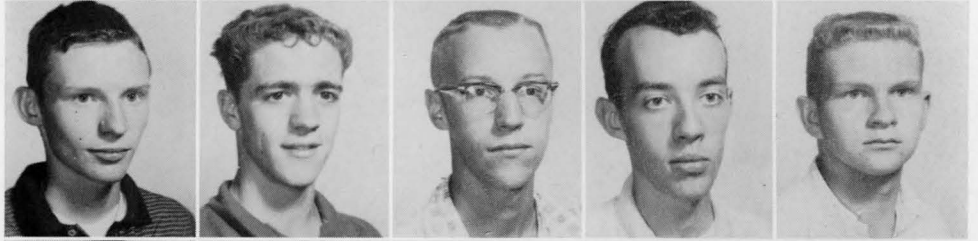


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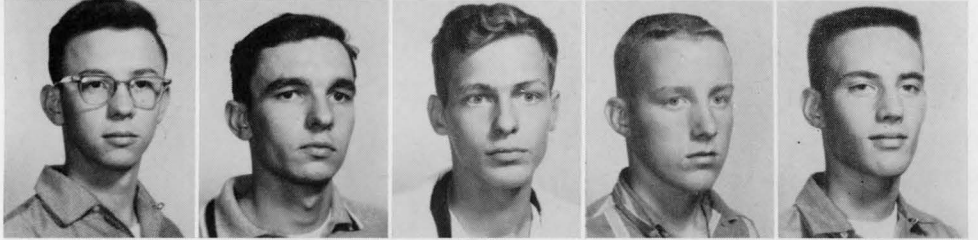
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 GILBERT L. ROBINSON
 HOWARD R. ROBINSON



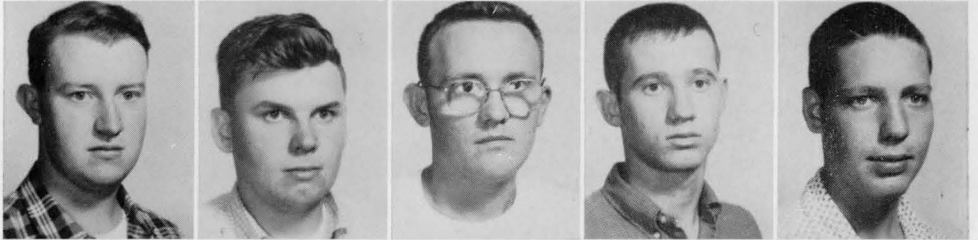
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 RICHARD K. SHADE
 LARRY W. SHAFFER
 PHILIP K. SHELTON



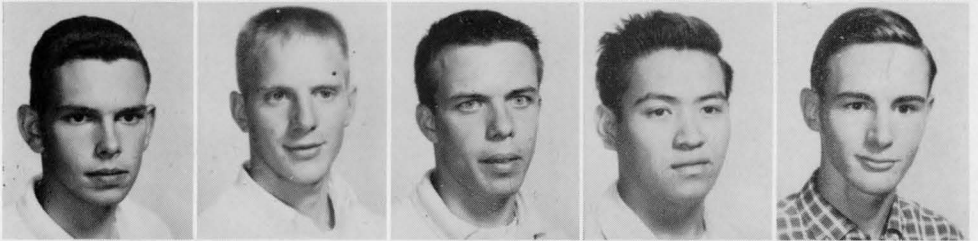
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 RUSSELL SKOMP
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 CHARLES P. SPENCER
 JOHN B. SPITLER



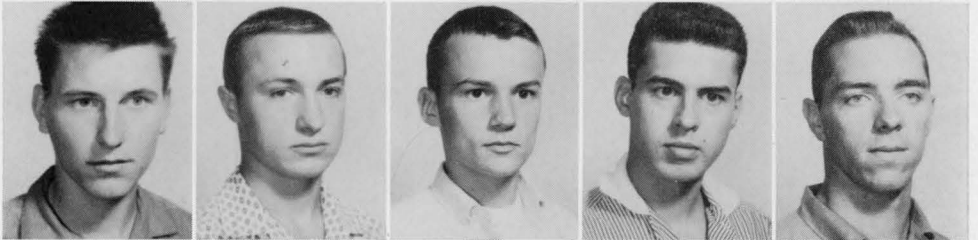
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 MICHAEL J. SULLIVAN
 RONALD J. SUSEMICHEL



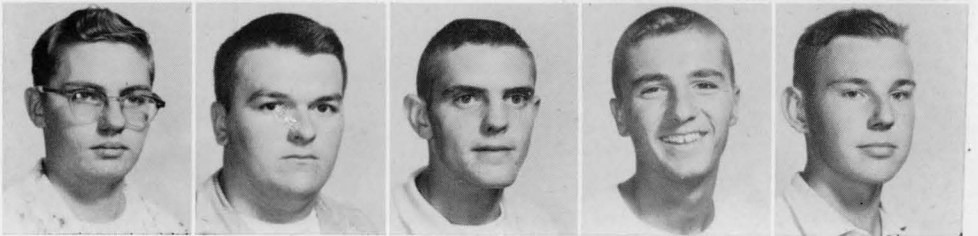
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 RICHARD UAHINUI
 JOHN W. ULMER



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 JOE L. WELLS
 RONALD L. WENCE
 HORACE E. WETZELL, JR.



JAMES W. WILKINSON
 DAVID C. WOOD
 LYLE E. YORK
 JAMES E. YOUNG
 JOHN M. ZDENEK



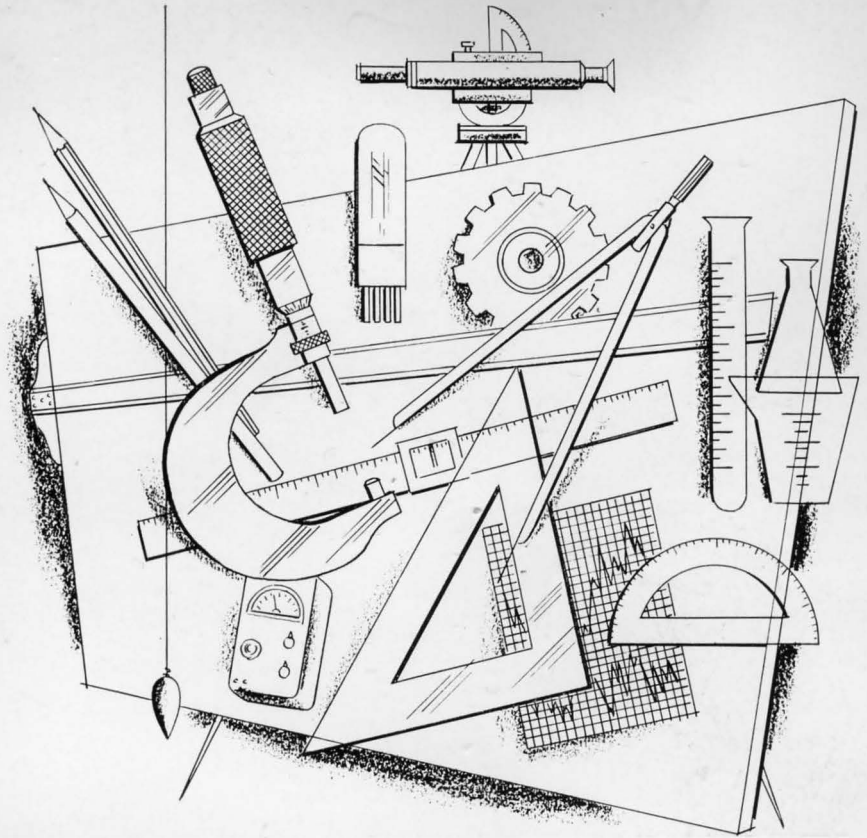


1959

Modulus

1957 Modulus





ORGANIZATIONS

WHEN a Rose engineer graduates, he must prove himself able socially as well as technically. To accomplish this purpose, the organizations and clubs at Rose offer each man the opportunity to develop his talents and interests. These are the organizations of Rose.

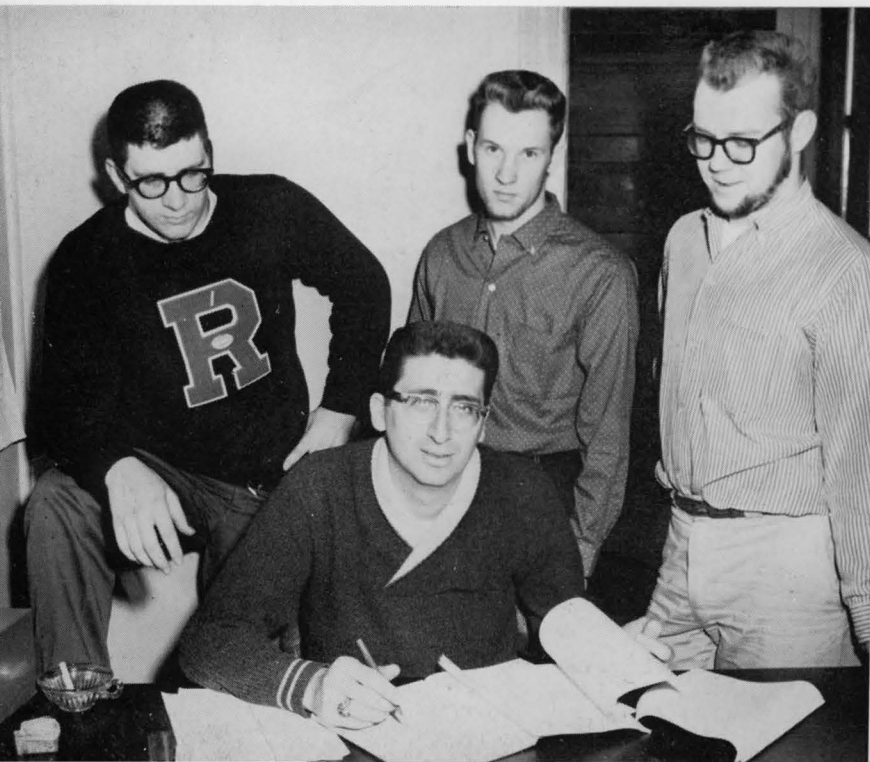


MODULUS

Seated: Bob Schukai, Co-Editor; Gordon K. Haist, Faculty Advisor; Bill Perkins, Co-Editor. Standing: Bill Carter, Managing Editor; Ted Jaenke, Business Manager.

SALES STAFF. Bob Stark; Dan LaGatta, Staff Editor; Rich Carter; Jack Gilmour.

ADVERTISING STAFF. Bill Yochum; Dick Cordill; Charles Smith, Staff Editor; Jack Thompson; Dean Powell; Brent Lower.





LAYOUT STAFF. Standing: Jay Pollitt, Lewis Newlan, Joe Grumme, Bob Murray, John Walden. Seated: Marshall Garino, Staff Editor.



COPY STAFF. Fred Wernicke; Steve Kern; Joe Snyder, Staff Editor; Jon Stiles; Dave Lake.

For over 60 years the MODULUS has continued to preserve the memories of the men, the classes, the organizations, and the faculty of Rose. On these two pages are pictured the men who made this year's book possible. We hope the 1960 MODULUS will help Rose men recall fond memories for years to come.

PHOTOGRAPHY STAFF. Seated: Dale Oexmann; Chuck Sechrest, Staff Editor; Andy Breece. Standing: Hal Rohm, Jon Modesitt.

SPORTS STAFF. George Newman; Woody Stroupe, Staff Editor; John Toole; Dave Dumford.





TECHNIC

Seated: Larry Berger, Co-Editor; Ron Staggs, Co-Editor; John L. Bloxsome, Faculty Advisor. Standing: Dave Trueb, Assistant Editor; Marshall Garino, Business Manager; Jim Funk, Assistant Editor.

CONTRIBUTING STAFF. Fred Wright; Ken Miller; Bill Perkins; Bob Stark; Bob Schukai, Staff Editor; Ray Clark; Fred Wernicke; Jay Hirt; Terry Hallcom.





EDITORIAL STAFF. Dale Oexmann, T. C. Copeland, John Ulmer.

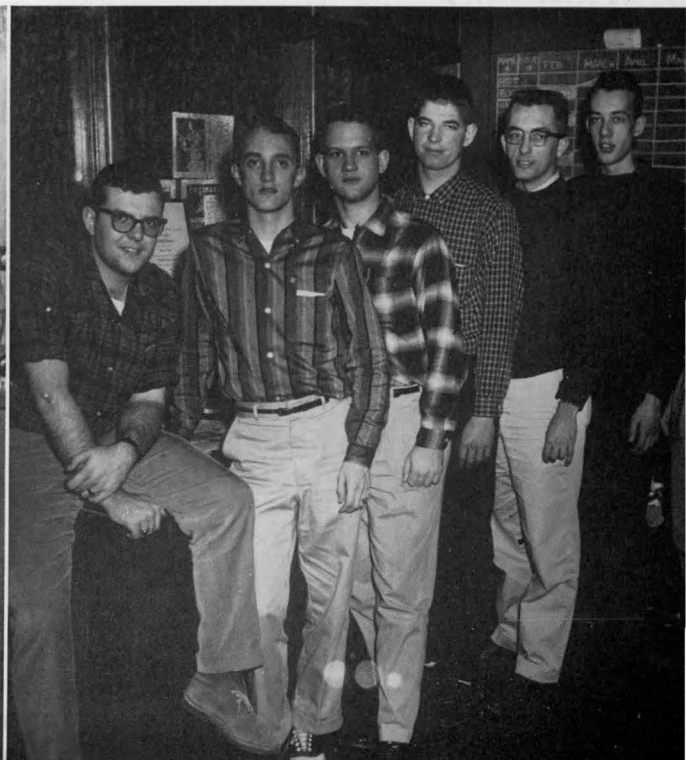


BUSINESS AND ADVERTISING STAFF. Seated: Jon Stiles, Assistant Business Manager; Bill Johnson, Advertising Manager. Standing: Jack Munro, Neil Irwin.

The **TECHNIC** is the oldest college engineering magazine in continuous publication. This is the 71st year without missing a monthly issue. The **TECHNIC** serves as one of the main links between Rose and her alumni as well as informing the public of the activities at Rose.

CIRCULATION STAFF. Bill Steele; Dean Powell; Louis Roehm, Staff Editor; Jim Godwin.

FEATURES STAFF. Noble Huff, Staff Editor; Jim Gates; Bob Michael; Jon Modesitt; Jerry Waltz; Larry Shaffer; Bill Carter.





EXPLORER

Seated: Bill Fenoglio, Co-Editor; Gordon K. Haist, Faculty Advisor; Don Dekker, Co-Editor.
 Standing: Gary Phipps, Co-Editor; Jim Funk, Co-Editor.

A new publication has made its appearance on the Rose campus this year. The Explorer, pioneered by Jim Funk and Gary Phipps, is a bi-weekly newspaper which keeps the students up to date on current events and controversies around the campus.

EXPLORER STAFF. First Row: Brummett, Young, Checkley, Landenberger, Klinec, Rich Carter, Ban. Second Row: Ireland, Bedwell, Thompson, Herrick, Anel, Myers, Feutz, Rice, Metz, Hahn, Griffith, Maffucci, Higginbotham.



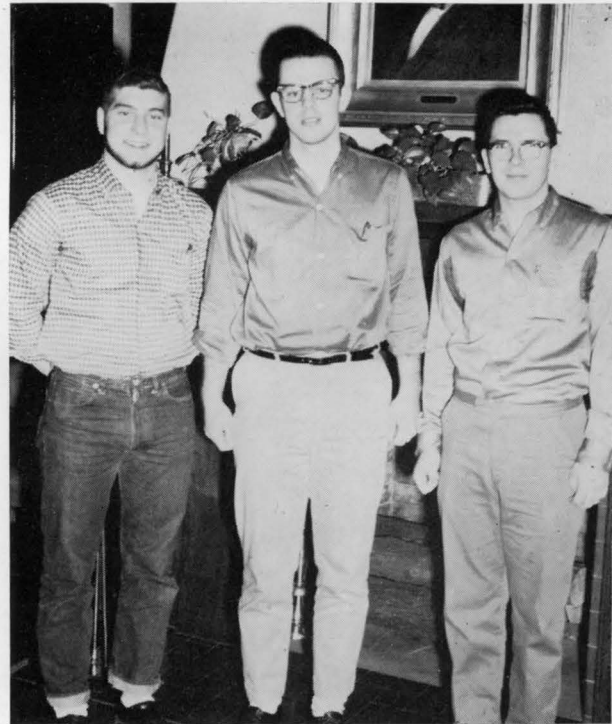
HANDBOOK



Bill Carter, Editor; J. G. Lee, Faculty Advisor; Dan LaGatta, Associate Editor.

A guide, authority, and key to the Institute is made available to the student body in the Student Handbook. The Handbook, or "Student Bible," has the interesting and useful bits of information needed by the students. It is published once every three years by a student staff in coordination with the administration.

Paul Blase; Gary Liffick, Business Manager; Dick Schafer.



STUDENT COUNCIL



President Terry Hallcom and Secretary Speedy Phillips mull over the financial records of the Student Council.

Student opinion is made known through the Student Council, an organization made up of three representatives from each class, the four class presidents, and a financial secretary. The Student Council studies general problems on campus and recommends action to be taken, but its main task is making financial apportionments to school organizations.

First Row: Hallcom, President; Archer, Financial Secretary; Phillips, Recording Secretary. Second Row: Perkins, Hahn, Wardle, Smith. Third Row: Rumble, Funk, Copeland, Malone, Hrezo.





Seated: Hal Miller; Jim Tubby, President; Gary Phipps; Larry Berger. Standing: Charles Smith; Vern Gross; Dean Herman Moench, Faculty Advisor; Bill Schaper; Dave Trueb.

INTERFRATERNITY COUNCIL

The four 1960 fraternity presidents hold an informal get-together.

The Interfraternity Council has the task of coordinating the actions of the four fraternities on campus. Some of its responsibilities include planning the Interfraternity Dance, the passing out of Goodwill bags, making Rush rules, and deciding problems between fraternities.





First Row: Phipps, President; Brown, Secretary; Anderson; Checkley; Niedringhaus; Smith; Huntley; Goheen. Second Row: Schukai, Vice-President; Perkins, Treasurer; Dekker; Stiles; Archer; Clark; Johnson. Third Row: Roehm; Stroupe, Cataloguer; Bradley; Huff; Funk.

TAU BETA PI

Tau Bete's aren't always serious.



Tau Beta Pi, a national engineering honor society, has a chapter on the Rose campus. Students who have distinguished themselves with outstanding scholarship along with integrity, good character, and professional development are recognized with membership in Tau Beta Pi. The Bent of Tau Beta Pi, placed conspicuously on a pedestal on the campus, serves as a constant reminder to the student body of the qualities all students strive to attain.

BLUE KEY

Rose is proud to have a chapter of the Blue Key National Honor Fraternity. Among the activities it sponsors and supervises are Homecoming, Engineers Day, Parents' Day, and the St. Pat's Dance. Membership in Blue Key is based upon a man's leadership ability, character, scholarship, and school spirit; and the fraternity continues to encourage these qualities in the student body.



Bob Schukai accepts Bill Yochum as a Blue Key pledge.

First Row: Schukai, President; Anderson, Secretary; Jaenke; Stiles; Trueb; Smith; Hallcom. Second Row: Phipps, Treasurer; Dekker; Perkins; Garino; Johnson; Berger. Third Row: Roehm, Alumni Secretary; Stroupe, Vice President; Staggs; Carter; Funk; Yochum.





First Row: Bernie Landsbaum, Hal Rohm, Andy Breece. Second Row: Chuck Sechrest, President; Jon Modesitt.

CAMERA CLUB

The Camera Club members are the eyes of the MODULUS, TECHNIC, and Explorer and provide these three publications with nearly all of their pictures. Operating from their dark room next to the library, the Camera Club covers everything from the fall lakings to senior graduation, from group pictures to sports action shots.

GLEE CLUB

Rose students who are talented vocalists, or who just like to sing, find much enjoyment in the Rose Glee Club. In spite of the fact that they rehearse only once a week, the Glee Club, under the able leadership of Mr. William Diekhoff, manages to produce some fine music. Each year the Glee Club sings for many schools and organizations in the Terre Haute vicinity.

First Row: Landenberger; Sabla; Wence; Bob Carter; Wells; Rich Carter, Business Manager; Metz; Kelley; Bill Diekhoff, Director. Second Row: Jaenke, President; Daugherty; Breece; Mason; Young; Robinson; Sechrest. Third Row: Slater, Hirt, Burns, Snyder, Pollitt, Oexmann, Cripe, Miller. Annette Hunt, Accompanist.





Taylor; Hubers; Slater, President; Dhooge; Denton; Young; Oldham; Alman; Stevens; Captain Smith; Rose; Wer-
nicke; Dean Moench, Advisor; Greggs.

RADIO CLUB

The Radio Club, which has its transmitter and receiver in the basement of the Institute, offers opportunities for "hams" and those interested in "ham" radios to use the club's facilities. W9NAA has made contacts with other "hams" throughout the United States and the world.

The Radio Club also maintains the television set and hi-fi in the Student Center.

RIFLE CLUB

For students interested in marksmanship, the Military Department provides equipment through the Rifle Club. Rose has a fine fifty foot range for 22-caliber rifles in the basement of the main building. This range provides a good place to practice target shooting and at the same time is a fine place to hold some of the rifle meets the Rifle Club has with other clubs in the nation.

Standing: Ned Hannum, Rodney Bogue, Ray Heit. Kneeling: Leonard Bennett, Dick Uahinui, Al Story.



CAMPUS CLUB



DORMITORY COUNCILORS. Seated: Fred Wernicke; Professor Ross, Advisor; Leonard Bennett. Standing: Gerald Nika; Dan LaGatta; Bart Gronberg.

Any man who lives on the Rose campus is eligible to join the Campus Club. Its main purpose is to provide recreational and social activities to its members through both mixers and date functions. This adds that extra spark to a Rose man's life.

EXECUTIVE COUNCIL. First Row: Hubers; Leonard Bennett, President; Professor Ross, Advisor; Nika; Brown. Second Row: Rice, Goodwin, Hmurovich, Uahinui, Newlan, Daniels, Miller. Third Row: Sechrest, Wernicke, Wetzell. Paris, Hobbs.



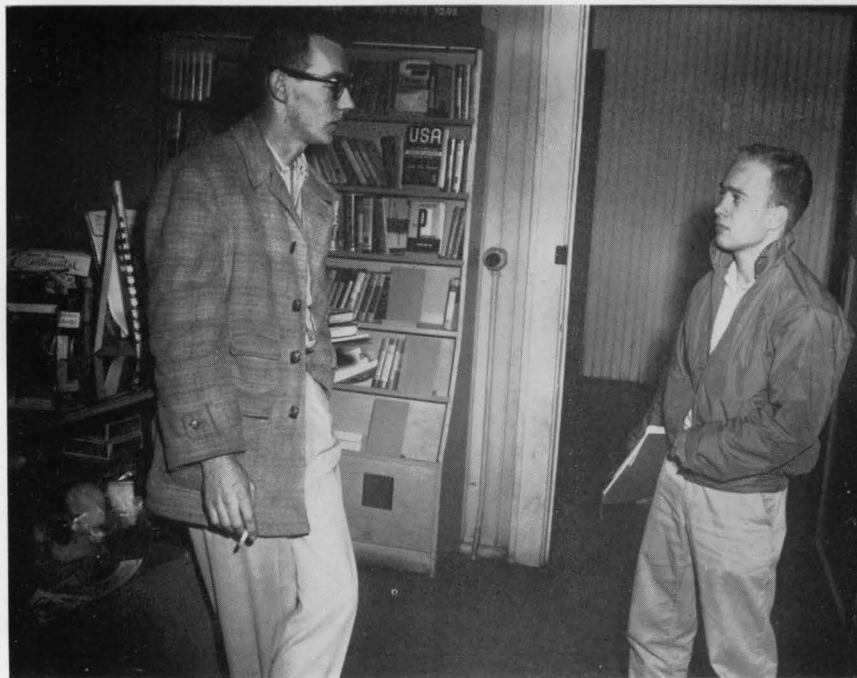


First Row: Gilbert, Snyder, Carter, Schukai. Second Row: Anderson, Michael, Stiles, Bennett. Third Row: Huff, Godwin, Dekker, Feutz, Garino, Archer. Fourth Row: Andel, Yochum, Perkins, LaGatta, Munro, Roehm, Stroupe.

HONOR MEN

Men who have been recognized for extracurricular activities and have been presented with an honor key compose the group known as the Honor Men. To become an Honor Man, the Rose student must earn a certain number of honor points for participation in the organizations at Rose.

Paul Davisson tries to interest Bob Stevens in the new Flying Club.



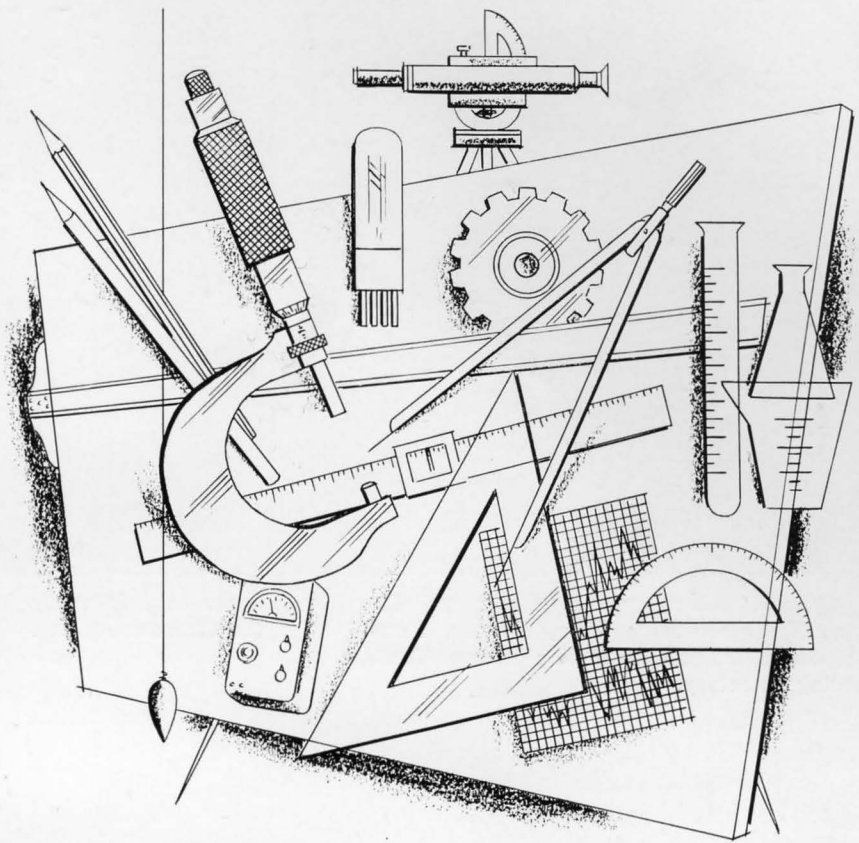


I AM A

THETA XI GUY

ALPHA TAU OMEGA

LAMBDA CHI ALPHA



FRATERNITIES

THE FOUR social fraternities at Rose are Alpha Tau Omega, Lambda Chi Alpha, Sigma Nu, and Theta Xi. Usually about 70% of the upperclassmen are active in one of the four fraternities. The Greeks have as their common goal the teaching of brotherhood through fellowship and friendship.



Bob Schukai, Corresponding Secretary; Ron Staggs, Vice President; Larry Berger, President; Bill Perkins, Treasurer; Dave Trueb, Recording Secretary.



Santa brought many presents to the Glenn Home orphans at the Christmas party.

ALPHA TAU OMEGA

Another productive and lively year with new faces, new parties, and new honors has gone into the history of Alpha Tau Omega. Under the leadership of Dave Foss and Jay Hirt, ATO began the year by winning the Homecoming Display Trophy with "Boot Those Bears".

Last summer three new study rooms and a large bath were added upstairs, and an enlarged dining room, a new kitchen, and new living quarters for Mom Srofe appeared downstairs. The remodeling was completed with the conversion of Mom's vacated rooms into a study room and a date room.

Several ATO's shared the leadership in various campus organizations. Ron Staggs and Larry Berger co-edited the *TECHNIC*, and Bill Perkins and Bob Schukai handled the reins of the *MODULUS*. Bob Schukai headed Blue Key, while Ted Jaenke was president of the Glee Club, and Chuck Sechrest presided over the Camera Club.

The locker room was also occupied by several ATO's throughout the year. Eight Taus received

letters in football and basketball, led by Woody Stroupe, who was captain of the basketball team and co-captain of the football team. Louis Roehm was baseball co-captain as five Taus received track and baseball letters.

Extra curricular activities didn't overshadow scholarship, as we maintained our overall point ratio above all-men's average for the 42nd consecutive year and placed fourth nationally among all ATO chapters in scholarship. We had three more Taus tapped for Tau Beta Pi, and six more Taus tapped for Blue Key.

ATO's had fun, too. We had a varied social program of dances, mixers, and parties, highlighted by the Christmas party for the orphans at Glenn Home and the VMI Dance. As in the past, ATO solicited for the Heart Fund and also collected Goodwill bags.

Our new faculty advisor, Mr. James B. Matthews, an instructor in the Mechanical Department, has led us in another good year, and we are looking forward to many more.



First Row: Stroupe, Jaenke, Perkins, Staggs, Berger, Schukai, Trueb, Roehm. Second Row: Washburn, Sechrest, Booher, Waltz, Garino, Herrin, Heiniger, Stiles, Powell, Stark. Third Row: Johnson, Whitworth, Smith, Ayers, Hirt, Carter, Godwin, Burns.

First Row: Mitton, Spitler, Volkers, Pollitt, Bosworth, Modesitt, Cordill, Jannasch. Second Row: Stoutenour, Danilowicz, Kira, Breece, Snyder, Starnes, Hannum, Stark. Third Row: McCoige, Rapson, Schaffer, Copeland, Munro, Wright, Oexmann, Walden, Liffick.





Bob Checkley, Secretary; Gary Phipps, President; Steve Burton, Treasurer; Bill Schaper, Vice President.



Music to relax by is enjoyed by Phipps, Hahn, Checkley, Hurst, Burton, and Bedwell.

LAMBDA CHI ALPHA

The men of Lambda Chi Alpha have enthusiastically teamed together over the past year to produce the most successful year in the chapter's history. The fraternity spirit was evident from the first day of school, inspiring each man to do his part for Rose and Lambda Chi. As we measure these achievements, both individually and collectively, we find the men of Lambda Chi Alpha have formed a most impressive record.

Perhaps our most widely publicized collective achievement was the announcement in February, from our national headquarters in Indianapolis, that our Rose chapter had shattered all the scholastic records compiled by our national's 150 chapters over its 51 year history with an average chapter cum of 2.72. This truly remarkable feat was accomplished by men active in social life, sports, and school organizations.

Chapter membership in Blue Key Honor Fraternity included brothers Terry Hallcom, Larry Logue, Gary Phipps, Don Dekker, and Jim Funk. Bob Checkley, Russ Archer, John Ray, Jim Funk, Larry Hartley, Gary Phipps, and Larry Logue were honored as members of Tau Beta Pi.

Lambda Chis were very active in sports this year. Brothers Bob Checkley, Dick Pike, Bob Michael, and Joe Andel lettered in football. Don Dekker, John Ray, Dave Dumford, and Steve Ban did their best to strengthen the Rose basketball squad. Brothers too numerous to mention gave their time and talents to the track and baseball teams.

Dances and parties provided social fun for actives as well as for our outstanding pledge class of this year. These new Lambda Chis and the rest of the chapter look forward to next year.



First Row: A. Johnson, Archer, Burton, Stevens, Ireland. Second Row: Ban, Michael, Hallcom, Feutz, Pike, McDowell, Montgomery. Third Row: Badger, Huff, Gates, Hurst, Checkley, Hahn, Ballantyne, Dekker. Fourth Row: Phipps, Funk, Thompson, Griffith, Ray, Amos, Bonness, Gladden, Hrezo, Haley, Schaper, Anel. Fifth Row: Myers, Terry, Logue, Fenoglio, Robinson, Mills, Klinec, Bedwell, Skersick, Gronberg.

First Row: Young, Karwatka, Newman. Second Row: Goodwin, Randolph, Barone, Brown, Blahut, Susemichel, Ulmer, Daniels. Third Row: R. Johnson, Light, Dumford, Lew, Tindall, Wetzell, Hayes, Hobbs, Miller.





John Kirk, Treasurer; Charles Smith, Vice President; Hal Miller, President; Al Raquet, Secretary.



It takes teamwork to solve some problems.

SIGMA NU

The 1959-1960 school year has been a very successful and rewarding one for Beta Upsilon Chapter. We have enjoyed a very full social and academic atmosphere.

Mixers were held with many sororities from Indiana State and with St. Mary-of-the-Woods. To complete the social scene, there have been many picnics, outings and date parties, and a Christmas party at the Glenn Orphan Home. There has also been the VMI Dance, State Day Dance, and the Interfraternity Dance.

In both intramural and varsity sports Sigma Nus have been very active. Our participation in football has been most prominent, with nine varsity men. We are very proud to have won interfraternity football, and to have finished second in IF basketball.

Brothers Bill Yochum and Charlie Smith were tapped for Blue Key, and Charlie Smith was also tapped for Tau Beta Pi.

We have attempted to make life a little easier for "Mom" Cora DeGraff, with the installation of a new stove, sink, and serving bar in her kitchen. This is "Mom's" thirteenth year with us, and we are certainly proud of all the extras she gives us to make Sigma Nu a true home away from home.

House improvements have been underway throughout the year, with remodeling being done in the basement and on the first floor. Last fall the house trim was repainted to enhance its appearance.

This year's pledge class is an excellent one, with nineteen men to carry on the honor and ideals of Sigma Nu.

With these experiences to recall, it's now time to set our sights to an even more successful and eventful future.



First Row: Higginbotham, Smith, Bob Carter, Crisp, Miller, K. Brown, Sabla. Second Row: Raquet, Valbert, Waldbieser, Rich Carter, Gallatin, Hurst, Pesavento, Kostra, Turecky, Barnett, Herrick. Third Row: Anderson, Kurtz, Brda, Hor-muth, Scott, Onnen, Kirk, Maffucci, Bauch.

First Row: Dring, Irwin, Davidson, Daugherty, Pierce, Toole, Robinson. Second Row: Landenberger, Fite, Marietta, Lepp, Grumme, Yochum, Gilbert, Hill, Kuykendall, Morgan, T. Brown. Third Row: Kvasnica, Lower, Lovell, Sullivan, Laterneau, Herrington, Cleverley, O'Neill, Niederhaus, Decker.





Mike Gilpatrick, Senior House Manager; Don Lanning, Vice President; Vern Gross, President; Ralph Wardle, Secretary; Jim Malone, Scholarship Chairman; Jack Schreiner, Treasurer.



Reece, Blase, Andis, and McCardle add finishing touches to the Christmas tree.

THETA XI

1959-1960 marked a successful and rewarding year for Theta Xi, socially, scholastically, and fraternally. The members of TX were noticeably prominent in many campus activities. We were proud to claim two class presidents, Jim Malone ('62) and Ralph Wardle ('61). Kappa men active in the professional societies included Vern Gross, president of the IRE-AIEE, and Dan LaGatta, president of the ASCE. Four Theta Xis were elected to the Student Council and three were members of Tau Beta Pi.

Under the able leadership of Coach Jack Schreiner, our IF basketball team captured its third consecutive championship and permanently retired the traveling trophy. Although the softball title is yet to be determined, we are confident that our own spirit will make up for what we lack in skill and finesse. In addition to the intramural leagues, Theta Xis could be found on

all four varsity athletic teams. Don Lanning was co-captain of the Engineer baseball squad.

Several new house improvements were made during the year. Both second floor bathrooms were remodeled and enlarged, and a new room was fabricated in the basement. The exterior of the house will be repainted in the summer.

Our social calendar was both full and varied. The program included dances, mixers, date parties, picnics, and an old fashioned hayride. Highlights of the year were the Christmas Dance and the Spring Pledge Dance, which was carried out in a Hawaiian theme, complete with leis and palm leaves.

The most hectic and exciting event of the year was, of course, Rush week-end. Our spring pledge class numbered sixteen, and we are sure that they will all benefit from the spirit and tradition of Theta Xi.

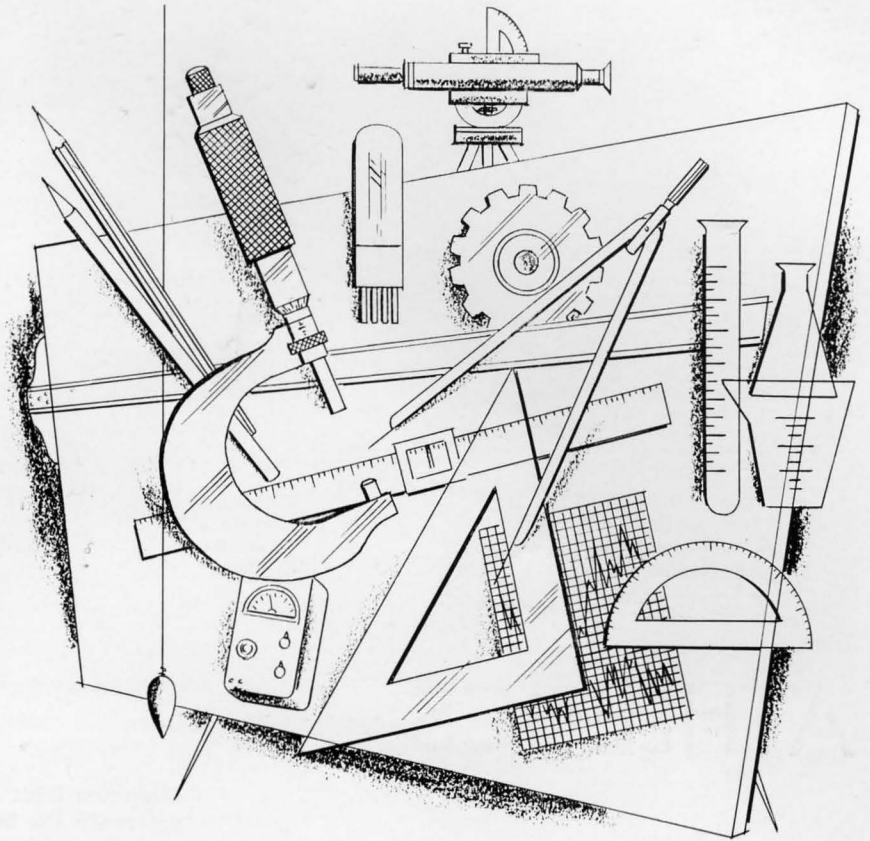


First Row: Clayton, Gilpatrick, Lanning, Gross, Schreiner, Wardle. Second Row: DeWeese, McCardle, McGivern, Cunningham, McLellan, Reece, Goheen, R. Brown, D. Brown, Baker, Honegger, Henke, Zone. Third Row: Brummett, Malone, Pitt, Tubby, Blase, Andis, Niedringhaus, Augenstein, Schafer, Edgington.

First Row: Crouse, Landsbaum, Oxley, Murray. Second Row: Edmons, Spencer, Summers, Berling, Kern. Third Row: Marshall, Landis, McClure, Risch, Roberts.







ATHLETICS

ATHLETICS, giving activity to nearly all students in either varsity or intramural sports, allow the Rose students to exercise their bodies as well as their minds. The athletes are proud, and be it football, basketball, baseball, or track, the Rose team represents the students well against opponents.



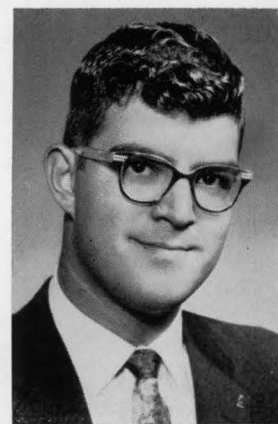
JAMES H. CARR

Athletic Director; B.S. Indiana State Teachers College; M.S., Indiana State Teachers College; Blue Key.



MAX KIDD

Football and Track Coach; Intramural Athletic Director; A.B., Indiana University; Aca-



JAMES WITTENAUER

Assistant Intramural Director; B.S., Indiana State Teachers College; Sigma Phi Epsilon.

ATHLETICS

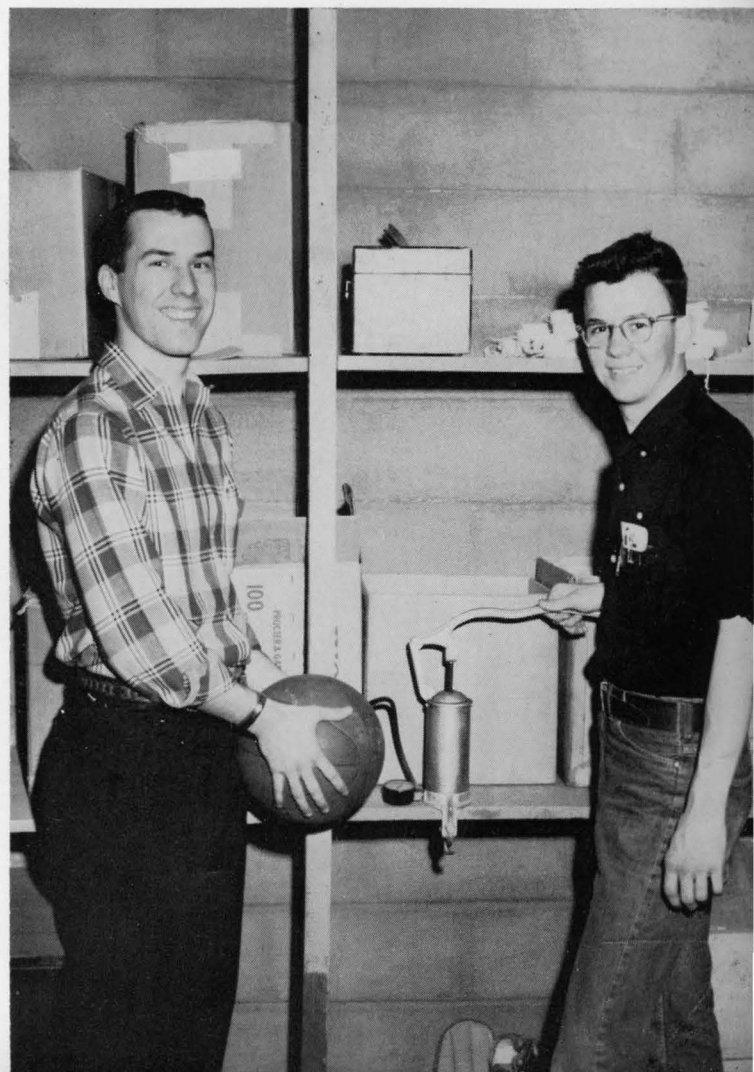
Rose is very fortunate to have three fine men in charge of its athletic program, Jim Carr, Max Kidd, and Jim Wittenauer.

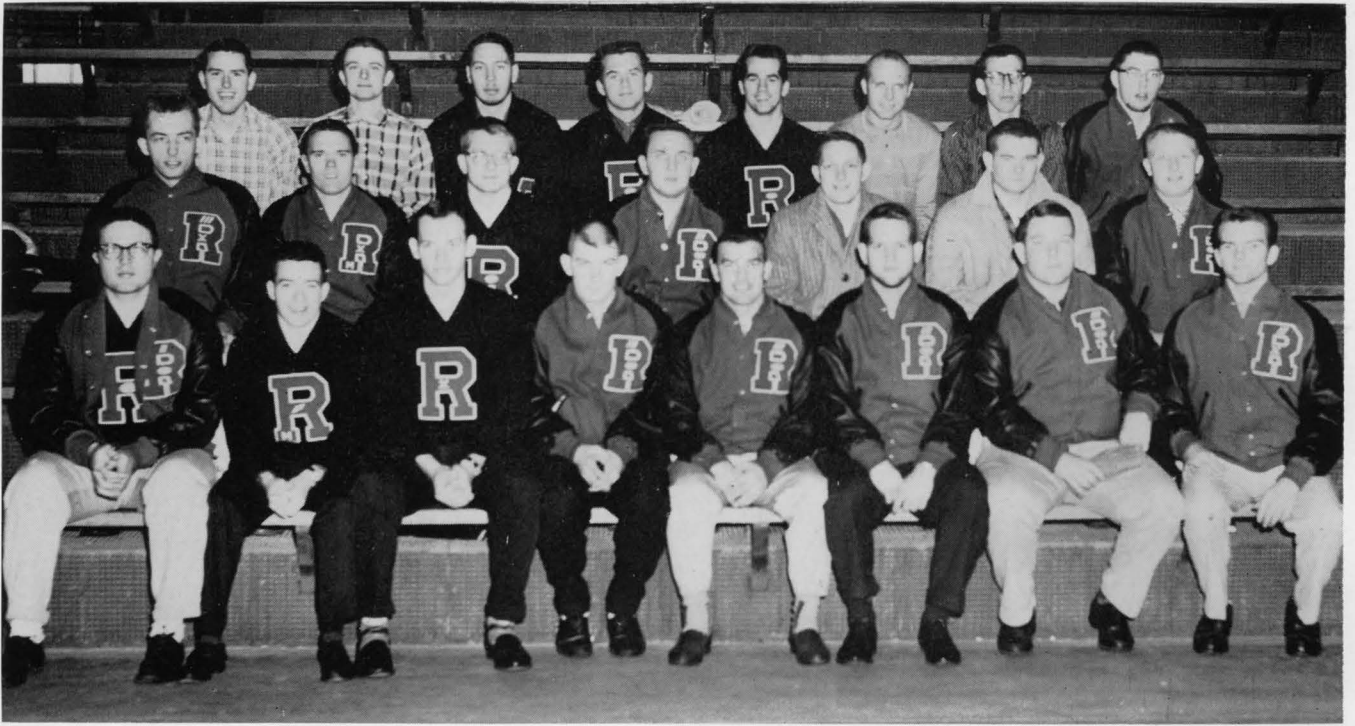
Jim Carr was named Athletic Director, filling the vacancy left by Phil Brown. In addition to his duties as Athletic Director, Jim remains basketball and baseball coach.

Max Kidd, previously the director of the intramural program at Rose, was called upon this year to fill two other positions formerly held by Phil Brown, football coach and track coach. Max has done a fine job filling all three jobs.

Assisting Max in the intramural program is a graduate student from Indiana State Teachers College, Jim Wittenauer. Jim had a big job, especially during the football season, but he kept things in top shape.

Managers Scott Herrin and Sherdian Skidmore get ready for basketball practice.





First Row: Ireland; Ballantyne; Myers; Raquet; Anderson, President; Michael; Scott; Goheen. Second Row: Waltz, Perkins, Blahut, Kostra, Kingery, Hallcom, Gilbert. Third Row: Heiniger, Stiles, Andel, Hauert, Bonati, Crisp, Godwin, Yochum.

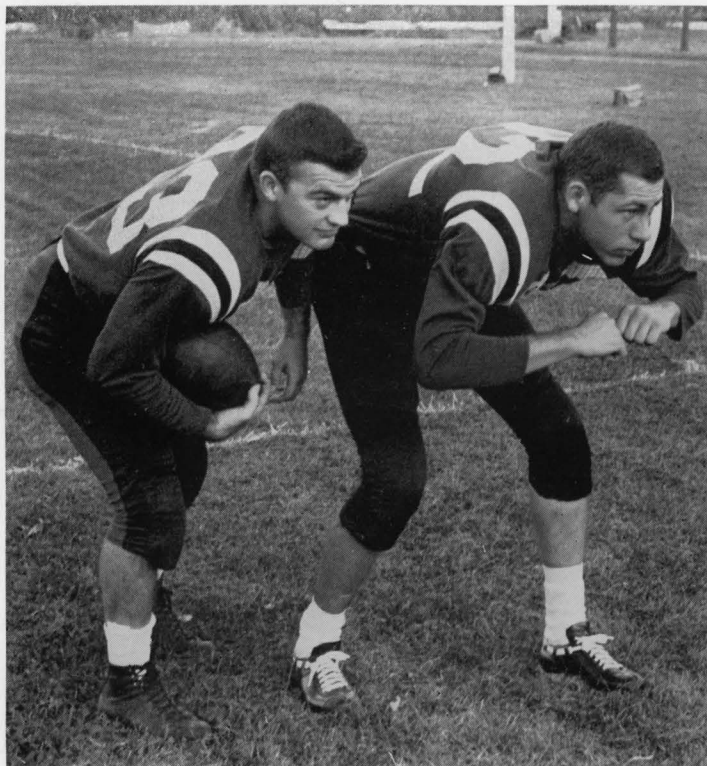
R - MEN

All men who have won varsity letters in football, basketball, baseball, and track are eligible for membership in the R-Men's organization. The R-Men were organized in 1938 to promote athletics and good sportsmanship at Rose and to honor Rose's letter men.

Throughout the year, the R-Men operate the concession stands at athletic events held on the campus. Money earned in this manner goes to help buy letter jackets, movie film for the Athletic Department, and other useful items for the fieldhouse.

Hormuth and Yochum serve Cokes at a basketball game.





Co-Captains Gary Anderson and Woody Stroupe ready to go.

FOOTBALL

At the start of the season our Engineers were looking forward to a successful season. Under the direction of a new coach, Max Kidd, the football team started out the season seeking to extend one of the nation's longest winning streaks. With the five returning seniors, Dick Tucker, Hal Booher, Woody Stroupe, Don Scott, and Gary Anderson, and the other returning lettermen, Rose was looking forward to the opening game at Lost Creek Stadium.

The Engineers started where they left off last season in the opener with St. Procopius. Bob Checkley supplied the offensive punch by scoring two of the touchdowns, the first on a four yard run and the second on a thirty yard pass interception. Bill Yochum carried home the last score of the day on a long sixty yard sprint. The freshmen were at the stadium in mass, supplying the power to propel Rosie around the field once for each touchdown. Coach Kidd singled out Ed Kostra

The hard-hitting Engineers throw North Park for a loss.





First Row: Hauer, Uahinui, Randolph, Kingery, Bonati, Checkley, Powell, O'Neill. Second Row: Ireland, Terry, Schreiner, Hrezo, Michael, Pike, Booher, Racquet, Hall. Third Row: Pierce, Blahut, Yochum, Modesitt, Hill, Andel, Kostra, Hormuth, Coach Carr, Gilbert. Fourth Row: Foss, Manager; Bennett, Manager; Lew; Stark; Coopridger; Munro; Tucker; Scott; Stroupe, Co-Captain; Anderson, Co-Captain; Coach Kidd.

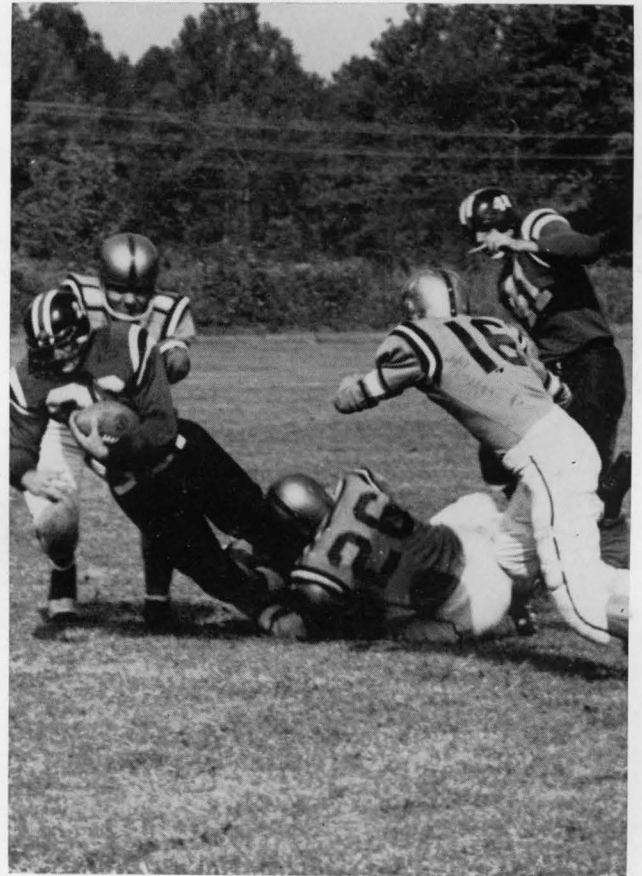
Michael drives for a first down.

as the main part of the Engineers' forward wall which made it impossible for St. Procopius to gain appreciable yardage.

The next Saturday, North Park College was finally able to stop the Engineers' sixteen game winning streak. Bill Yochum scored the only touchdown for Rose on a ninety yard pass interception.

The third game was played at Eureka, Illinois, against Eureka College. The game was played on a rain drenched field which made holding on to the ball almost an impossibility. In a defensive battle, Eureka and Rose Poly battled to a 0-0 tie. The Engineers gained twice as much yardage but were unable to hold on to the pigskin when they neared the goal line because of water on the field.

Rose Poly, trying to start another long winning streak, met with Concordia at River Forest, Illinois. The first quarter ended in a scoreless deadlock, but in the second, Tom Hormuth finally scored on a twenty yard pass from halfback Bill Yochum. Stroupe





converted making the score 7-0. In the third quarter Gary Anderson pushed the score up with a twenty-five yard run. Stroupe again converted, making the score for the afternoon 14-0 in a combined effort of steady offense and rock-hard defense.

With a 2-1-1 record Coach Kidd started planning for the annual homecoming battle with Franklin. After a long week of practice for the football team, and with the efforts of the freshmen class in building the bonfire, the Engineers felt they were ready for the tough battle during the Homecoming weekend.

In the tough battle on Saturday, the Engineers were unable to penetrate the defensive lines of Franklin on the wet, muddy field. The third quarter ended as quarterback Bob

HELP!

Mixed emotions during a close game.



Michael threw to Woody Stroupe, but Rose again ran against the impenetrable defensive line of Franklin and failed to score. During the game Dan Kingery, Al Raquet, and Dick Tucker were placed on the injured list. It was thought that Tucker and Raquet might be sidelined for the rest of the season.

Looking forward to a victory, the Engineers traveled to Illinois College. Bill Yochum passed for two tallies, the first a forty-five yard strike to Bob Michael and the second a thirty-five yard loop to Bob Checkley. Half-back Joe Andel sparked the team both offensively and defensively. Rose led by 21-20 with only four minutes to play, but a pair of fifteen yard penalties set Illinois up for their fourth touchdown. On the last play of

the game Rose had a pass intercepted and Illinois scored as the gun went off giving Rose another defeat in a heartbreaking finish.

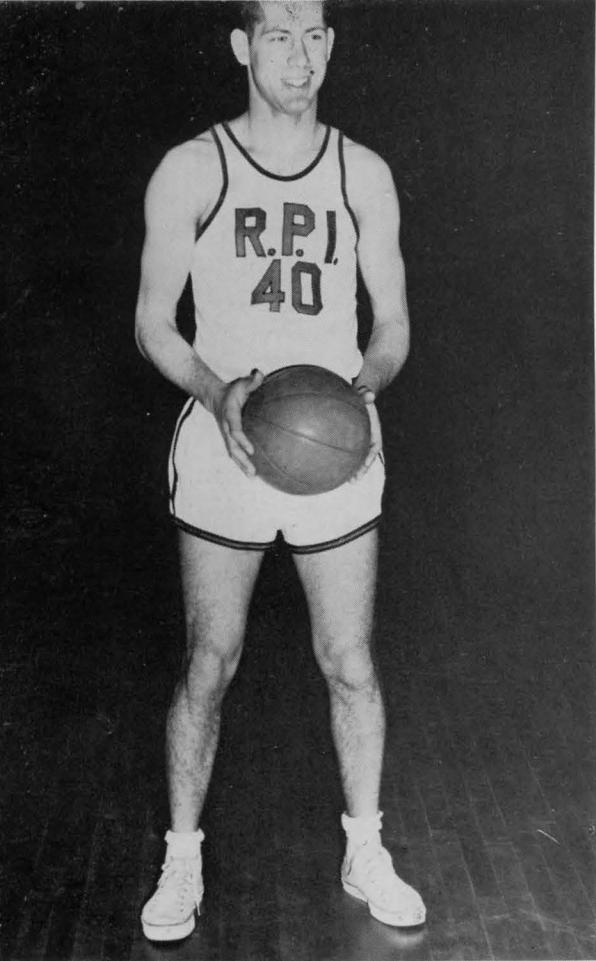
In the final gridiron battle of the season, Rose Poly played Principia College. The Engineers' only two touchdowns were on short runs from inside the ten yard line. Gary Anderson scored on a three yard spurt, and Bob Checkley brought the pigskin over the goal line on a six yard run. However, Rose was unable to keep up with Principia the whole game and wound up the season with a 2-1-4 losing season. Regardless of the record, Rose, as always, gave a good account of herself, and all returning players are optimistic about next year.

Checkley and Michael clear the way for Bonati.



Rose masses to stop North Park.





Captain Woody Stroupe.

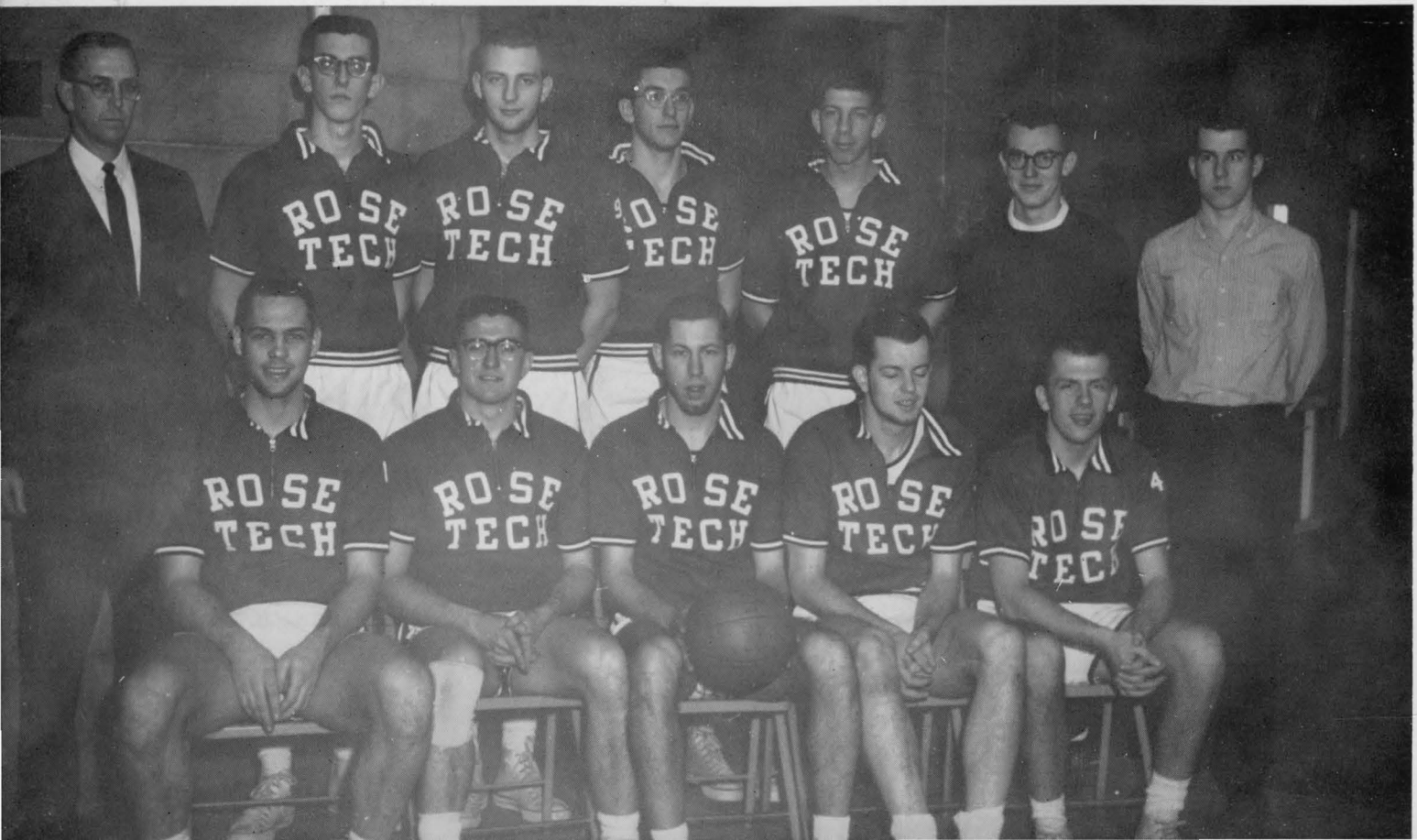
BASKETBALL

Coach Jim Carr was looking forward to an outstanding season with five returning lettermen. However, injuries and ineligibility hampered the Engineers all season leaving Rose with a 7-11 won-loss record, but over half of the losses were by five points or less. Rose finished third in the Prairie College Conference with a 5-6 record. The following returning letterwinners formed the core for this year's team: senior guard Ron Jennings, senior forward Woody Stroupe, junior guard Don Dekker, junior center John Ray, and sophomore guard Mike Smith.

The Engineers opened the 59-60 basketball season with a 68-58 victory over the Red Devils of Eureka. Smith, Jennings, Chute, Ray, and Stroupe drew the nod from Coach Carr to start the initial game. Rose built up a commanding lead during the first half and led at the intermission 36-26. Within the first five minutes of the second half, Rose increased their lead to 20 points. At this time with a good lead under his belt, Coach Carr substituted fully in order to give experience to his bench strength. John Ray led the scoring for the Engineers with 19 points.

The next foe to face the fighting Rose

First Row: Dave Dumford; Don Dekker; Woody Stroupe, Captain; John Ray; Steve Ban. Second Row: Coach Jim Carr; T. C. Copeland; Vern Gross; Phil Chute; Bob McCoige; Paul Davisson, Manager; Scott Herrin, Manager.



and White was Illinois College. The cagers looked like a well timed machine as they marched to a 36-28 lead at halftime. During the second period the Blue Boys could not match the field shooting and board action of the Engineers, who were paced by John Ray and Ron Jennings. The final score: Rose 75, I.C. 61.

The Rose five began a long winless string of away games when they reached Indianapolis to face Marian College. Neither team could find the basket the first half as they fought to a 23-23 tie. In the second stanza both teams came to life, but Marian lasted longer as Rose fell behind in the final quarter to lose 61-75.

December 12 found the Engineers traveling to Lebanon, Illinois, to face the McKendree Bearcats. The Rose squad trailed most

Woody pours in two points . . .



. . . and Ron Jennings adds two more.

of the way, but with 55 seconds left, Rose came from eight points behind to knot the score 81-81. The Bearcats dropped in five charity tosses to win 86-81. Mike Smith was high for both squads with 26 points.

In their third road game the Engineers met Concordia at Springfield, Illinois. Only a few points separated the two teams during the game, and Rose rallied in the last minute to again throw the contest into overtime. Concordia, however, took a three point edge in the overtime to down RPI 79-76. The scoring honors again went to Smith.

In a return game, the Blue Boys of I.C. played host to the Rose and White at Jacksonsville, Ill. Rose tried to make it a repeat



Coach Carr gives the team last minute instructions.

performance of their first game, but the Engineers couldn't seem to get the edge. At halftime Rose was trailing by 27-36. The Engineers pulled within two points in the last quarter but couldn't keep the rally going as they lost 76-84.

Returning from Christmas vacation, the Rose cagers met Eureka for their second contest, but the rest hadn't turned the tide as they dropped an 82-85 decision.

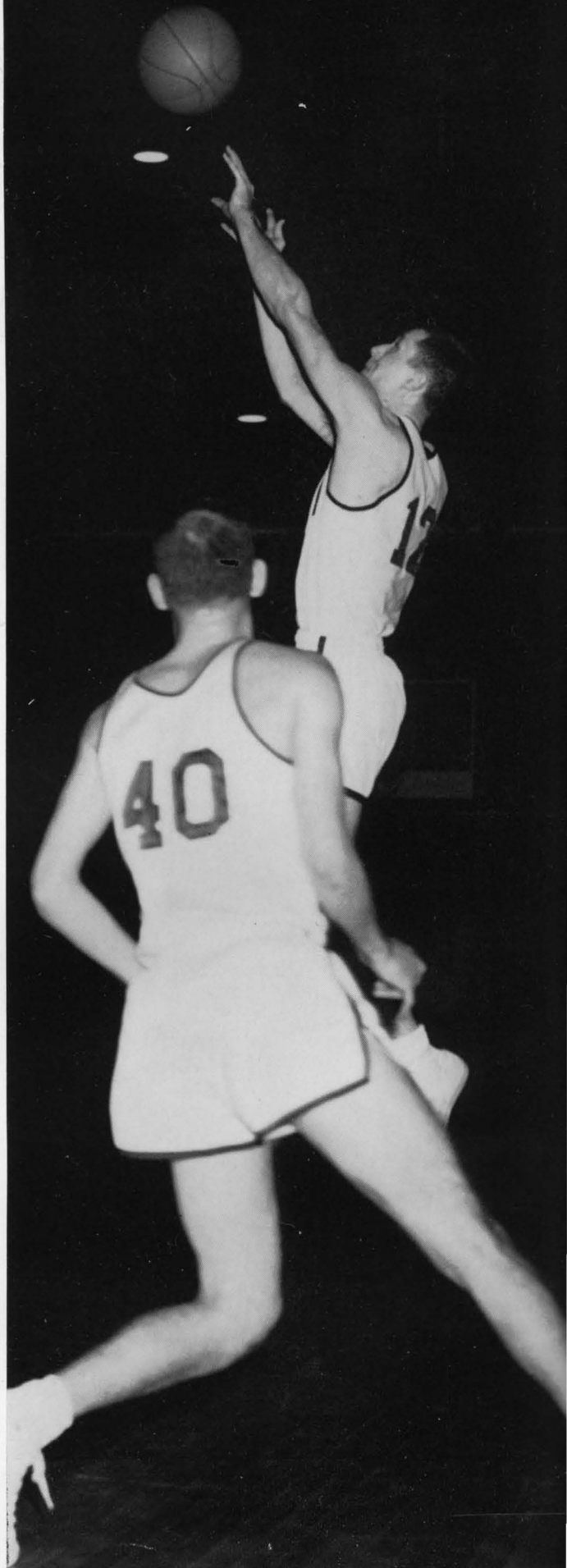
The Rose five returned home to face the Knights of Marian again. The Engineers fell behind the first half and couldn't catch the visitors despite a 21 point performance by Chute.

January 15 Greenville College played host to the Engineers. Rose pulled ahead 39-35 at halftime, but the Panthers came back with a tight defense to cool off the Rose men who came out on the short end of the 73-83 final score.

The return match with Concordia not only put Rose back in the win column, but also let them avenge an earlier defeat. It was a hard-fought contest, but the Engineers came out on top of a 54-50 score as Smith again took scoring honors.

Oakland City, the strongest team to face the Engineers, downed them 108-66, as Rose sorely felt the absence of Mike Smith. But the Engineers undauntedly came back to trounce the Beavers of Blackburn 65-36 in the best defensive game of the year.

Continuing the road trip, the Rose cagers played a cold first half at Principia from which they couldn't recover and lost 58-73.





Vern Gross shoots as John Ray and Don Dekker look on.

Tindall and Hobbs are in on some fast action.

In February Rose returned home for an enjoyable stay. The Engineers finally played the ball they were capable of as they downed Oakland City 73-70 in the best performance of the year. In another stellar performance, the Engineers took revenge on Principia 70-40. Rose lost a heartbreaking see-saw battle to Vincennes University 70-74 after being ahead 36-32 at halftime.

Rose then met the conference champions, McKendree. The Engineers trailed the whole game and rallied in the closing minutes, but couldn't overcome a 12 point deficit in a 67-71 defeat.

All's well that ends well, and Rose closed the season on a winning note. RPI took a commanding lead over the Beavers of Blackburn at halftime, 42-29. The Engineers cooled off in the second half, but managed to hang on to win 79-77.

Jennings, Stroupe, Dekker, Ray, Gross, Chute, Dumford, and McCoige were all awarded letters, and all but Jennings and Stroupe will be back next year. The 60-61 season should be a very successful one.





1960 Co-Captains Louis Roehm and Don Lanning.

BASEBALL

Although the 1959 season was not a completely successful one the team improved greatly over the season and showed flashes of greatness throughout the year.

Rose opened the 1959 season against Indiana Central, losing by the score of 11-5. Rose just could not seem to get rolling as they lost both their next games to McKendree by 7-1 and 5-0 scores.

Rose finally came around in time. They cut loose on Marian and unleashed all their stored up vengeance, swamping them 17-10.

Louie digs for third on a close play.





First Row: Cole; Young; Fenoglio; Lanning, Co-Captain; Roehm, Co-Captain; O'Neill; Goheen; Johnson. Second Row: Portlock, Bolt, Myers, Dumford, Dekker, Edmons, Barkes. Third Row: Coach Jim Carr; Rapson, Manager; Yochum; Hobbs; Gilbert; Heiniger; Griffith; Conniff, Manager.

Wes Spoonamore clouts a long one.

The baseball team then hit another bad stretch. They lost a two game series to Concordia, then were outslugged by Greenville 13-7. But in the second game against Greenville, Rose started back, avenging their defeat by a score of 8-5.

The next opponent for Rose was Principia. The improving team rolled off two impressive victories, the first 5-0 and the second 7-6. The first game was undoubtedly our best of the year as Jim Godwin managed to accomplish the amazing feat of pitching a no-hitter.

Franklin managed to slow down Rose as they defeated the Rose men by a score of 6-3. The final games of the year were against Illinois College. Illinois edged Rose the first game 9-8, but Rose ended the season on a winning note by downing the Illinois club 10-8.

The 1960 season promises to be a very good one for Coach Carr's club. He has nine returning lettermen from last year's team to use as the nucleus of a strong club. Besides the lettermen he has many good new men out, all pushing for a job on the team.





Ooomph!!

TRACK

The Rose track team opened the 1959 season with their only indoor meet, a dual meet against Earlham. Rose was victorious, edging them 54-50.

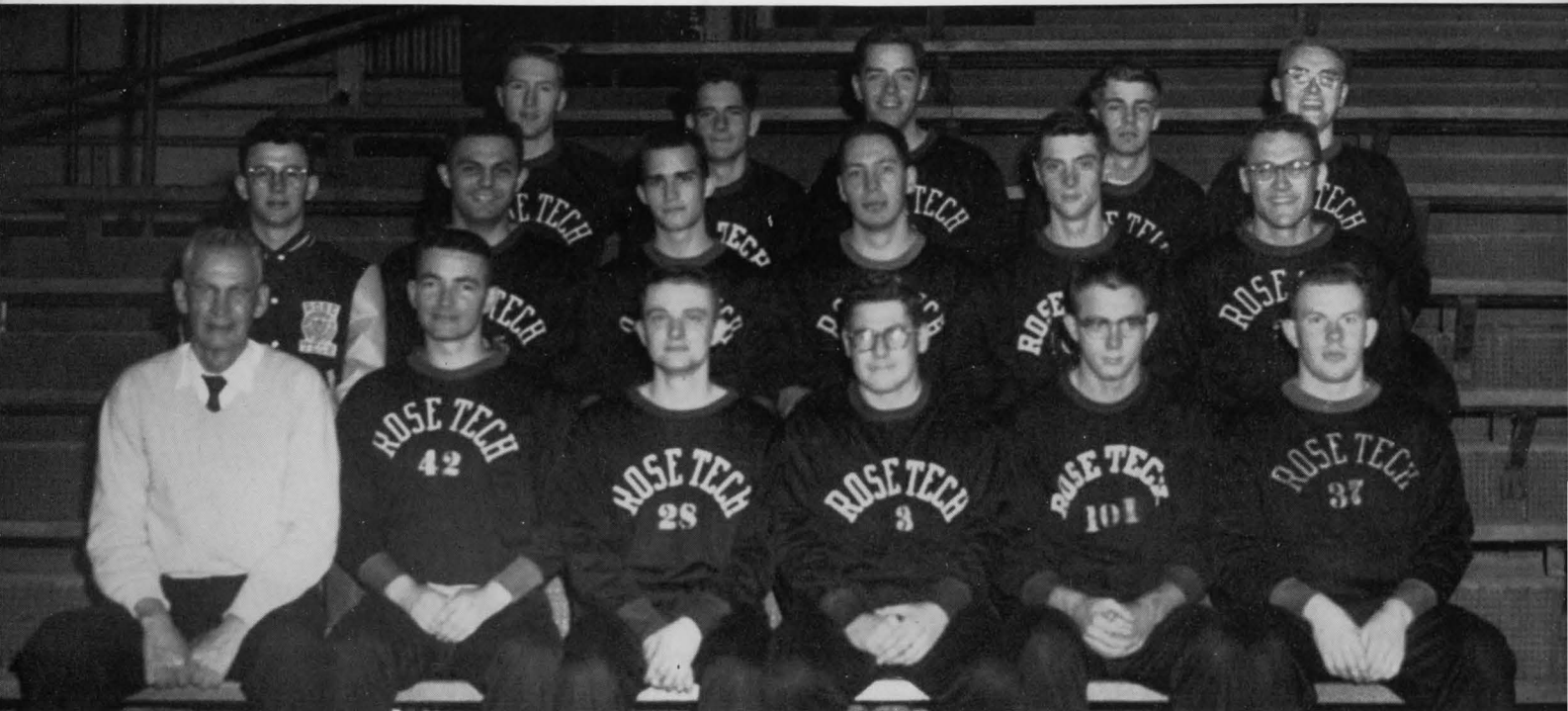
The second meet was Rose's only defeat in dual meet competition as they were defeated by Indiana Central.

Rose then traveled to Concordia for a five-way meet. Rose again proved to be the best by placing first with a total of 76 points.

The Prairie Conference Meet was next for the cindermen. They put forth a gallant effort but fell a little short, placing second to Principia.

The crowning jewel of this already successful season was the Rose Relays. Matched with four other strong schools, Rose was equal to the task. They completely overwhelmed the opposition by scoring a staggering 84 points.

Front Row: Coach Max Kidd, Higginbotham, Stiles, Phillips, McCardle, Pike. Second Row: Skidmore, Manager; Metz; Anderson; Andel; Brown; Munro. Third Row: Nicewanger, Niederhaus, Wetzal, Landis, Like.



While the season's success was definitely a team effort several outstanding performances were turned in, as three records were tied or broken. Joe Andel tied the record for the 100-yard dash in 9.9 seconds. Hal Booher did more than his share as he tied one record and broke another. He tied the broad jump record of 22 feet 7 inches, and set a new mark in the 60-yard low hurdles by turning in a 7.2 seconds timing.

John R. goes up and over.



Big Mike flings the discus.



Another blue-ribbon jump for Hal Booher.





Ted Jaenke stops Paul Blase for a short gain.

INTRAMURALS

And away it goes!

The intramural sports program, with everything from bowling to the newly formed bridge club, offers many and varied opportunities for the student to relax and participate in his favorite sports. The good spirit and rivalry exhibited in the intramural contests demonstrates the value of the program.



SCORES

1959 FOOTBALL

Rose	22	St. Procopius	0	Rose	0	Franklin	32
Rose	6	North Park	20	Rose	21	Illinois	34
Rose	0	Eureka	0	Rose	12	Principia	39
Rose	14	Concordia	0				

Season record: Won 2, Lost 5, Tied 1

1959-60 BASKETBALL

Rose	68	Eureka	58	Rose	54	Concordia	50
Rose	75	Illinois	61	Rose	66	Oakland City	108
Rose	58	Marian	71	Rose	65	Blackburn	36
Rose	81	McKendree	86	Rose	58	Principia	73
Rose	76	Concordia	79	Rose	73	Oakland City	70
Rose	76	Illinois	84	Rose	70	Principia	40
Rose	82	Eureka	85	Rose	70	Vincennes	74
Rose	64	Marian	78	Rose	67	McKendree	71
Rose	73	Greenville	83	Rose	79	Blackburn	77

Season record: Won 7, Lost 11

1959 BASEBALL

Rose	5	Indiana Central	11	Rose	7	Greenville	13
Rose	1	McKendree	7	Rose	8	Greenville	5
Rose	0	McKendree	5	Rose	5	Principia	0
Rose	17	Marian	10	Rose	7	Principia	6
Rose	6	Concordia	11	Rose	3	Franklin	6
Rose	4	Concordia	5	Rose	8	Illinois	9
				Rose	10	Illinois	8

Season record: Won 5, Lost 8

1959 TRACK

Rose defeated Earlham in a two-way meet, 54-50.

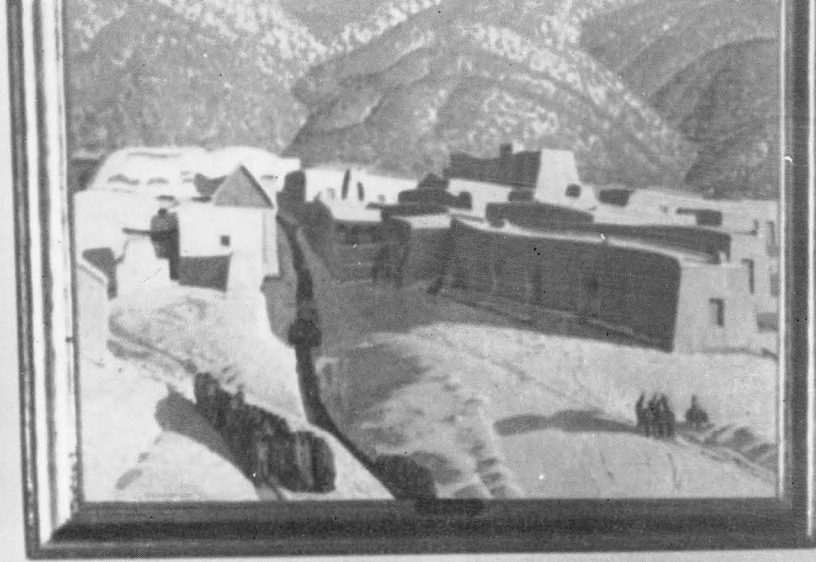
Rose defeated Greenville in a two-way meet, 82-49.

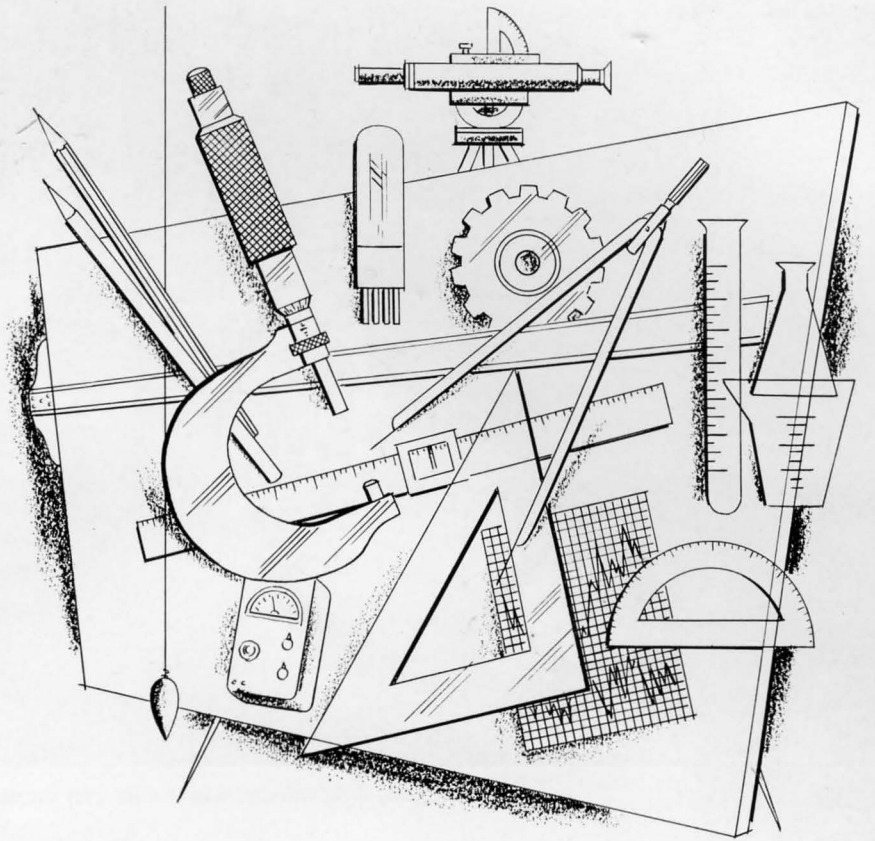
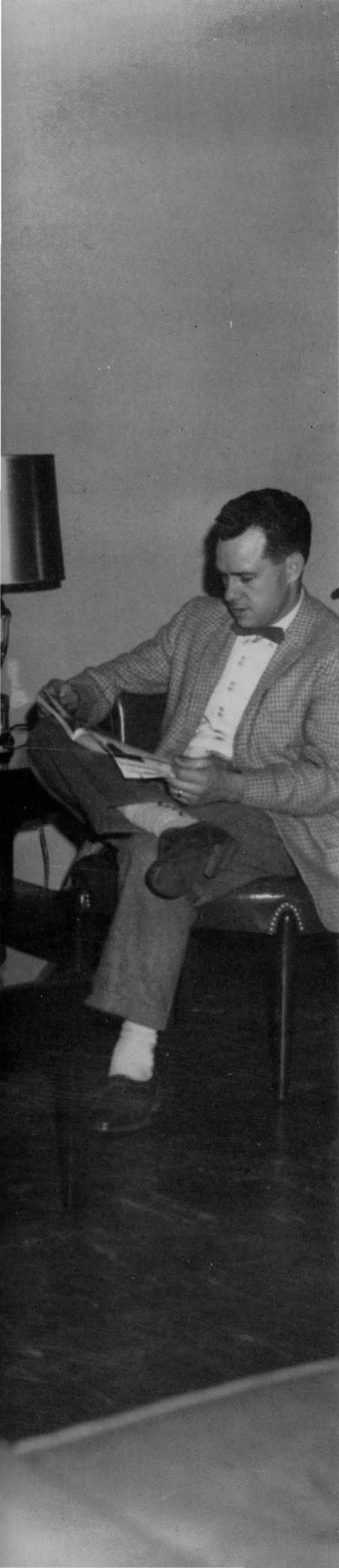
Rose lost to Indiana Central in a two-way meet, 51 $\frac{1}{3}$ -70 $\frac{2}{3}$.

Rose placed first in a five-way meet at Concordia with 76 points.

Rose placed second in the Prairie Conference meet with 65 $\frac{2}{3}$ points.

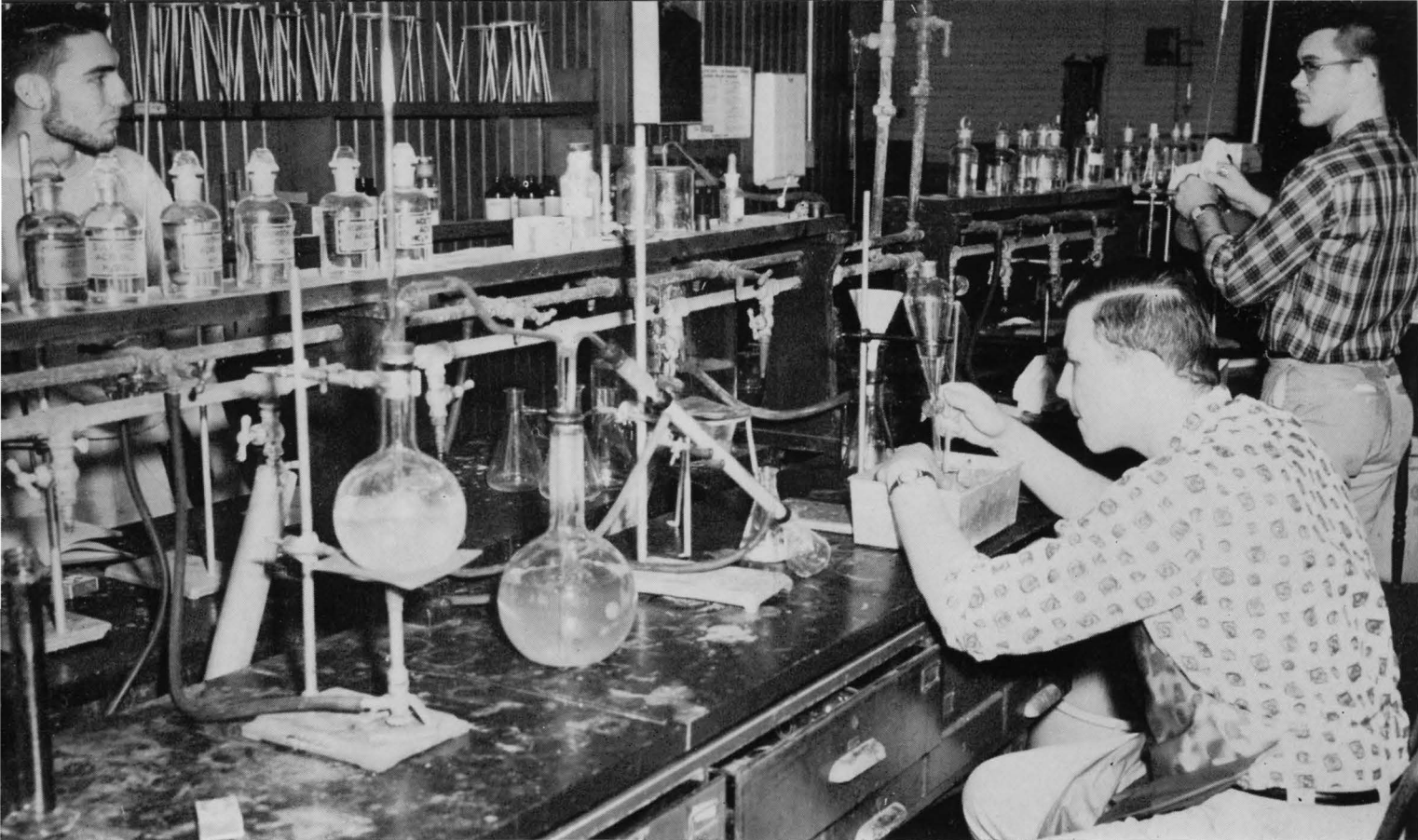
Rose placed first in the Rose Relays with 84 points.





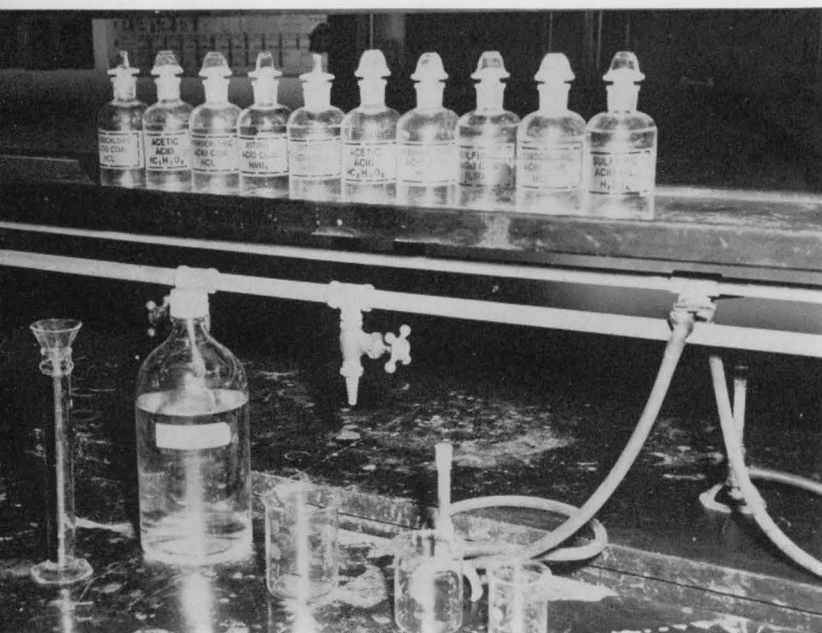
ACADEMICS

BEING a leader among the engineering schools of the nation is an outstanding recommendation to the academic standards at Rose. Few schools can claim the academic superiority of Rose. Rose graduates have distinguished themselves repeatedly. Being one of the finest, the faculty at Rose give freely of their time and energy on the students' behalf.



Edgington, Achtenberg, and Andis run an organic lab.

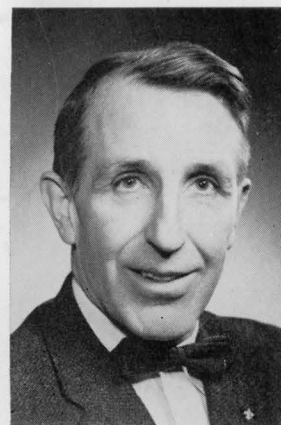
CHEMISTRY



A variety of chemicals are used in experiments.

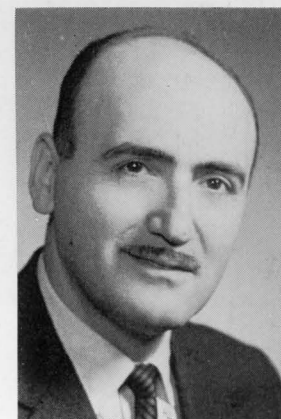
ORAN M. KNUDSEN

Professor of Chemistry and Head of the Department; B.S., University of Wisconsin; Ph. D., New York University; Sigma Xi; Alpha Sigma; Phi Lambda Upsilon; Lambda Chi Alpha.



BENJAMIN S. BENJAMINOV

Associate Professor of Chemistry; B.A., University of Kansas; M.S., Allegheny College; Alpha Sigma Pi.



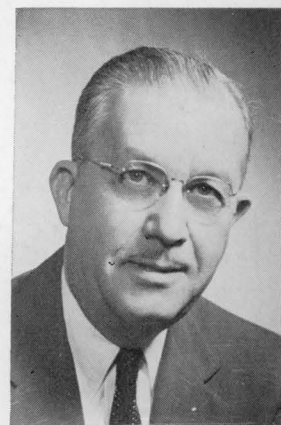
FRANK A. GUTHRIE

Assistant Professor of Chemistry; A.B., Hanover College; M.S., Purdue University; Sigma Xi; Phi Lambda Upsilon; Delta Epsilon; Phi Gamma Delta.



ARTHUR CAMPBELL

Lecturer in Chemistry; B.A., University of Oregon; M.S., State University of Iowa; Ph.D., State University of Iowa; Sigma Xi; Gamma Alpha; Alpha Chi Sigma.



In the back of the main building is located the Chemistry Department, with which freshmen soon become well acquainted. Many and various odors, gases, and smoke pour forth from the laboratory as the students learn more about the elements and compounds.

The Chemistry Department now offers a B.S. degree in chemistry, allowing the student to pursue his interests in inorganic, physical, analytical, or organic chemistry. This degree is the first step toward industry or graduate work, where the student may teach or go into research or medicine.

Rose is lucky to have a fine Chemistry Department, a good hard working staff, and excellent laboratory facilities.

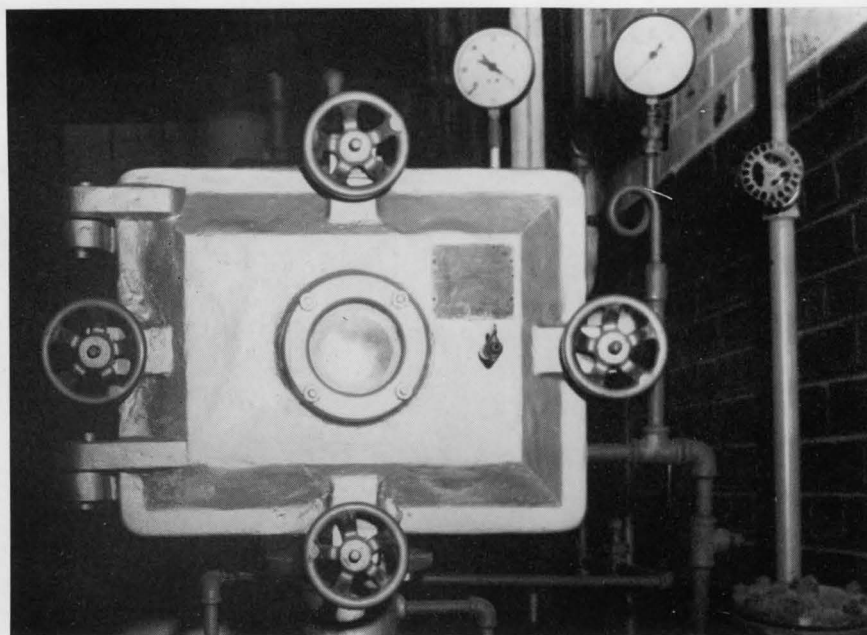
Balancing equations is simple—if you know how.





The sophomore chemicals set up a stoichiometry problem.

CHEMICAL ENGINEERING

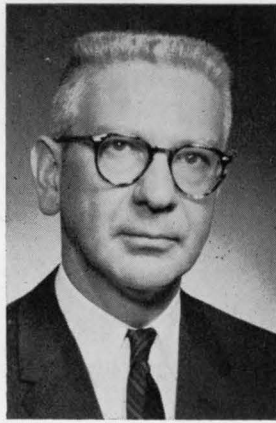


The drying furnace.



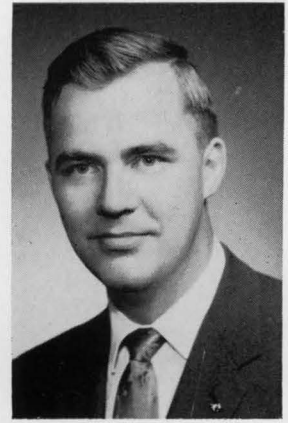
J. NELSON REEDS

Professor of Chemical Engineering and Head of the Department; B.S., State University of Iowa; M.S., State University of Iowa; Ph.D., State University of Iowa; Phi Lambda Upsilon; Sigma Xi; Tau Beta Pi.



ANTHONY G. BLAKE

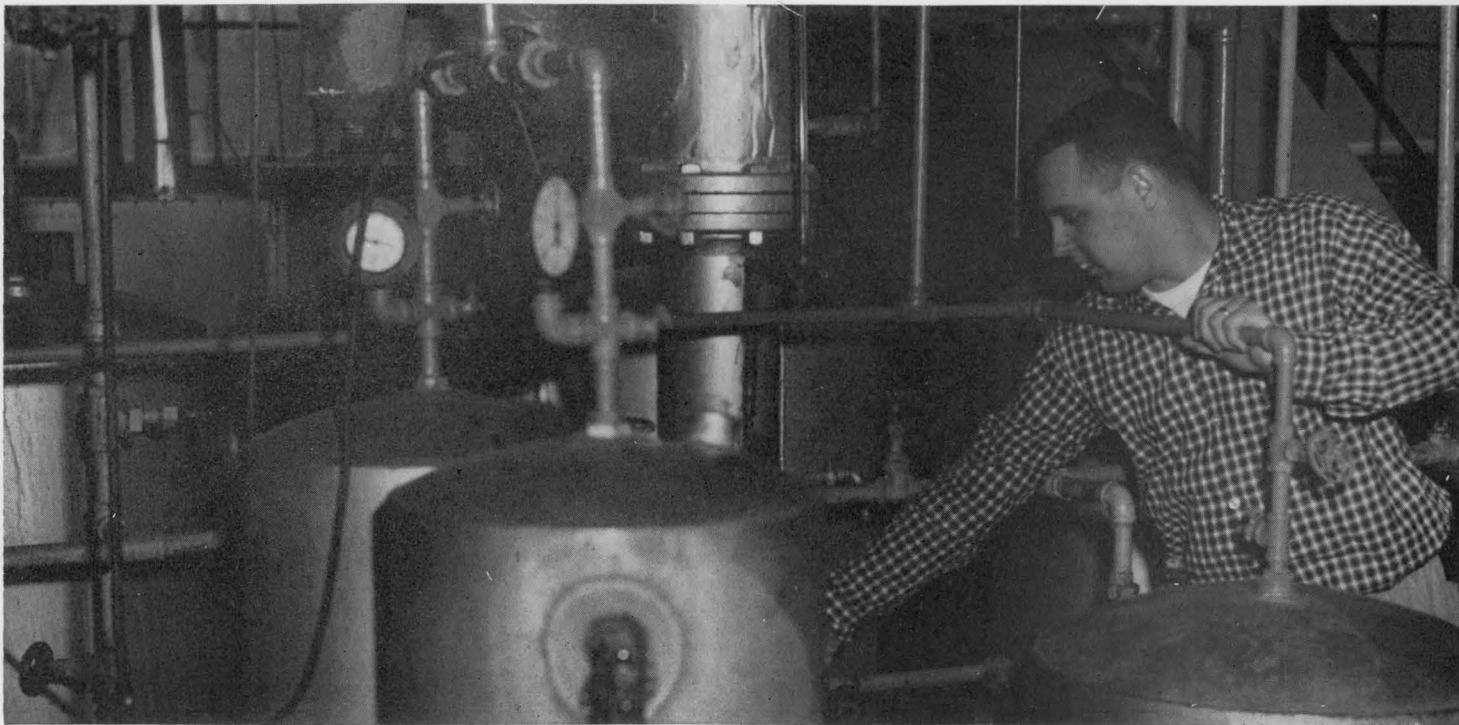
Associate Professor of Chemical Engineering; B.S., Rose Polytechnic Institute; M.S., Massachusetts Institute of Technology; Alpha Chi Sigma; Theta Xi.



QUENTIN R. JEFFRIES

Lecturer in Chemical Engineering; B.S. Rose Polytechnic Institute; M.S., University of Michigan; Ph.D., University of Illinois; Phi Lambda Upsilon; Pi Mu Epsilon; Sigma Xi; Tau Beta Pi; Alpha Tau Omega.

LeRoy Brothers adjusts the tank pressure.



CHEMICAL ENGINEERING

The field of chemistry is one of the fastest growing in industry today. New processes demand a thorough knowledge of the theory and practice of chemical engineering. Fulfilling this need is the job of the Chemical Engineering Department. The department is equipped with the various heat exchangers, evaporators, and distilling columns found in normal chemical engineering laboratory. It is with these elements that the chemical engineer must transform the test tube and bunsen burner process of researchers to a million barrel a day production system.

The department has made another step forward this year with the addition of Dr. J. Reeds as head of the department. With his and the other professors' capable instruction, the department will continue to produce fine chemical engineers every year.



Jim Burns, Bob Johnson, and Paul Funk work on their plant design problems.

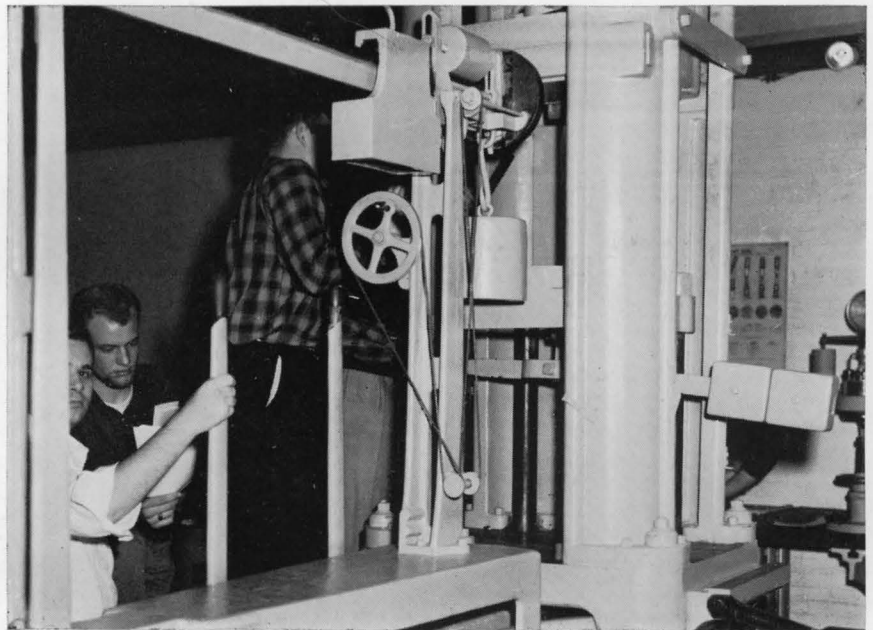


THE AMERICAN INSTITUTE OF CHEMICAL ENGINEERS. Seated: Noble Huff; Bob Johnson; Bill Carter, Secretary; Woody Stroupe, President; Warren Griffith. Standing: Paul Funk, LeRoy Brothers, Ray Clark, Don Niedringhaus, Dave Burns, Don Lanning, Dean Powell, Dr. Reeds.



The Riehle testing machine is used in strength of materials lab to test the properties of steel.

CIVIL ENGINEERING



The Olsen testing machine back in action.



EDWARD A. MACLEAN

Professor of Civil Engineering and Head of the Department; B.S., University of Maine; M.S., University of Illinois; Tau Beta Pi.



THOMAS A. DUWELIUS

Associate Professor of Civil Engineering; B.S., Rose Polytechnic Institute; M.S., University of Illinois; Tau Beta Pi; Alpha Tau Omega.



RICHARD H. F. PAO

Associate Professor of Civil Engineering; B.S.C.E., St. John's University; M.S., University of Illinois; Ph.D., University of Illinois; Tau Beta Pi; Sigma Xi; Pi Mu Epsilon.

The senior civils in their natural habitat—the civil lab.



ROBERT M. ARTHUR

Assistant Professor of Civil Engineering; B.A., Ripon College; B.S., Northwestern University; M.S., Harvard University.

JOHN DEMETER

Instructor in Civil Engineering; B.S., Carnegie Institute of Technology.



CIVIL ENGINEERING

The civil engineering curriculum at Rose is designed to give the student the broad background of the engineering sciences and then introduce to him the many and varied facets of civil engineering. This branch of engineering, the oldest and most highly-diversified, includes structural engineering, sanitary engineering, hydraulics, construction, soil mechanics, fluid mechanics, and mechanics of solids.

The course of study at Rose is slanted towards structures, but it includes a liberal smattering of each of the other fields. The latest developments are taught in the department: plastic design of steel, ultimate design of concrete, and many other innovations. After graduation the Rose civil engineer has an adequate background to enter any phase of civil engineering; he is prepared for a career with an industry, governmental agency, or a consulting firm.



The big storage tank furnishes a constant pressure head for the fluid mechanics laboratory.

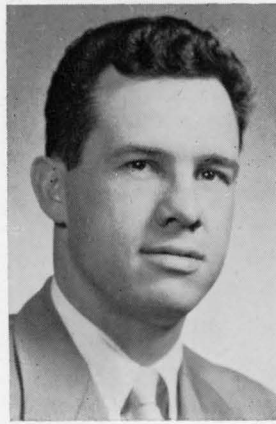


AMERICAN SOCIETY OF CIVIL ENGINEERS. First Row: Welker; Piper; Godwin; Turecky; Carter; Hormuth; LaGatta, President; Scott; Pesavento; Beck; Dr. Pao; Mr. Demeter; Professor Duwelius; Professor MacLean. Second Row: Goheen, Yochum, Swander, Dring, Cleverley. Third Row: Hurst; Andel; Robertson; Hutchens; Brda; Wardle, Vice-President. Fourth Row: Roehm; Perkins, Recorder; Tucker.



NORWOOD E. BAUGHMAN

Associate Professor of Drawing and Descriptive Geometry and Head of Department; B.A., Michigan State University; M.S., Purdue University.



ROBERT N. TINKER

Assistant Professor of Drawing and Descriptive Geometry; B.A., Michigan State University; M.S., Purdue University.



THOMAS W. GURBACH

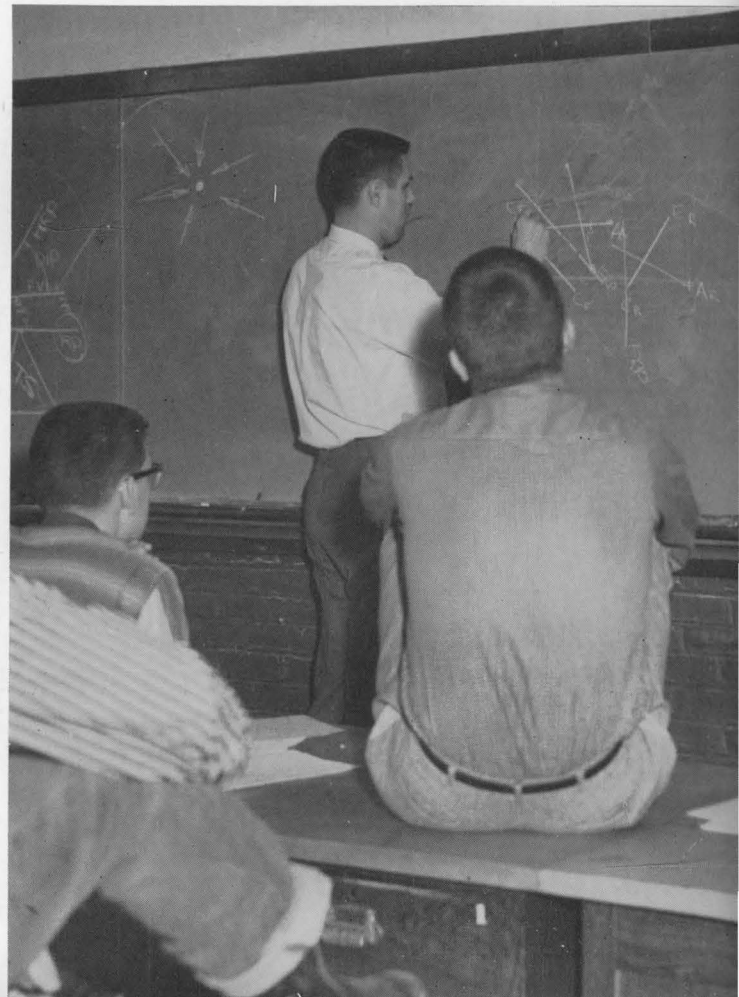
Assistant Professor of Drawing and Descriptive Geometry; B.S., Indiana State Teachers College; M.S., Indiana State Teachers College; Phi Delta Kappa; Epsilon Pi Tau.

DRAWING

Grammar is important in communication and so is the ability to draw and to interpret drawings. One of the easiest ways for an engineer to convey his ideas to those in his profession as well as those not in his profession is to make a sketch or a drawing.

Mechanical drawing is taught first semester to the freshman. The course covers the principles of drawing, and is climaxed by a detailed working drawing project, which gives practical experience. Descriptive geometry, taught the second semester, is the study of points, lines, planes, and graphic solutions of engineering problems. Technical sketching is an elective for sophomores, juniors, and seniors which teaches an application of freehand drawing in engineering.

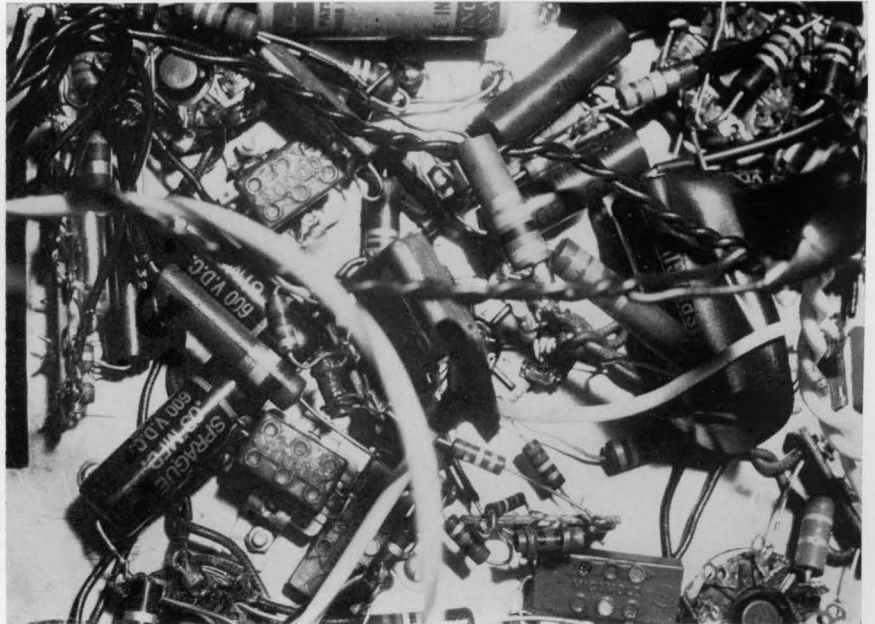
A rough approximation of a tricky problem.





The senior E.E.'s hardly at work in the machinery lab.

ELECTRICAL ENGINEERING



Electronics requires a maze of apparatus.



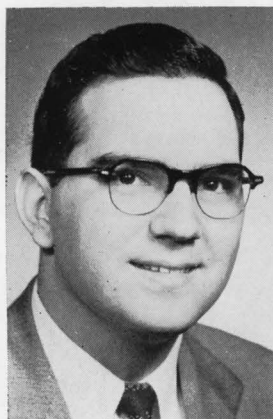
HERMAN A. MOENCH

Dean of Engineering; Professor of Electrical Engineering and Head of the Department; B.S., Rose Polytechnic Institute; M.S., University of Michigan; Tau Beta Pi; Sigma Xi; Blue Key.



DARRELL E. CRISS

Associate Professor of Electrical Engineering; B.S., Rose Polytechnic Institute; M.S., University of Illinois; Ph.D., University of Illinois; Tau Beta Pi.



PAUL D. SMITH

Assistant Professor of Electrical Engineering; B.S., Rose Polytechnic Institute; M.S., University of Illinois; Tau Beta Pi; Blue Key; Eta Kappa Nu; Lambda Chi Alpha.



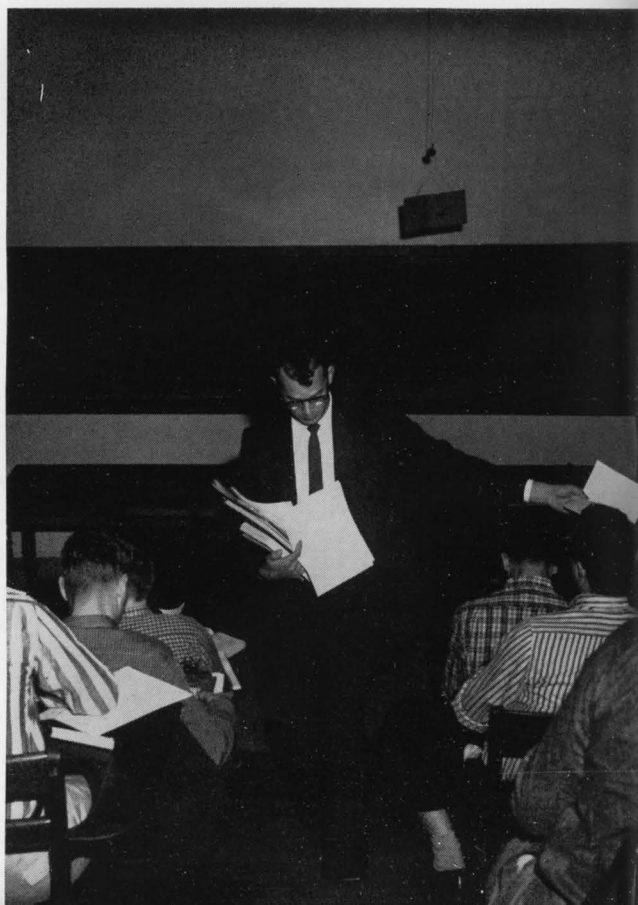
KENNETH R. CARR

Instructor in Electrical Engineering; B.S., University of Illinois; Eta Kappa Nu.

Since the advent of automation, man-made satellites and new means of communications, electrical engineering has played an ever increasing role in the advancement of this nation as a commercial, scientific, and military giant. Transistors, transformers, and transmission lines become as familiar as a slide rule to the EE student, and, as an electrical engineer, these components are encountered frequently in every line of work. Every day, new ideas come from laboratories that use the basic electrical principles to unlock more of nature's secrets and to make our modern living more comfortable.

The electrical engineering graduates of today must be well prepared to step into this world of scientific discovery. Rose offers the EE student a curriculum founded on the "basics" of all the fields of electrical engineering with many elective courses available to supplement a student's desire for further specialization. Filling the positions of the power, electronics, and communications engineers of tomorrow are the graduates of today, fortified with a progressive education to meet the progressive world.

Here comes the bad news!





Jim Greggs and Frank Fisher look on as Speedy Phillips runs a Hi-Freq. lab.

ELECTRICAL ENGINEERING

JOINT SECTION OF THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS AND INSTITUTE OF RADIO ENGINEERS. First Row: Brown, I.R.E. Secretary; Bennett; Johnson; C. Smith; Ballantyne. Second Row: Wernicke; Phillips; Kingery; Tubby, President; Michael. Third Row: Gaskins, Dhooge, Myers. Fourth Row: Rose; Gross; Oldham, A.I.E. E. Secretary; Hubers. Fifth Row: Greggs, Phipps, Professor Smith, Whitworth, Taylor. Sixth Row: Mr. Carr, Dean Moench, Dr. Criss.





Even engineers study literature.

HUMANITIES



Stacks of knowledge.



JOHN L. BLOXSOME

Professor of English and Head of the Department of Humanities and Social Sciences; A.B., DePauw University; A.M., University of Chicago; Delta Upsilon.



GORDON K. HAIST

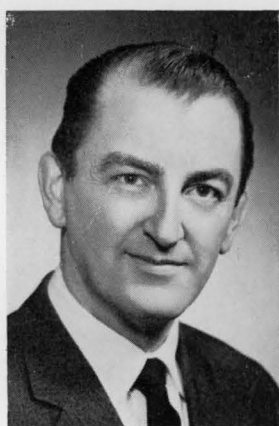
Associate Professor of English; B.A., North Central College; M.A., Northwestern University.



PAUL B. HEADDY

Associate Professor of Economics and History; A.B., Ball State Teachers College; Phi Delta Kappa.

Into the hands of the Humanities Department falls the task of presenting the fundamentals of English, history, economics, and the other electives. Student engineers oftentimes fail to realize the importance of the humanities until they begin to rely on these basic tools after graduation. The varied courses presented by the department contribute to the development of a student's beliefs and convictions and help to understand our increasingly complicated economic system.



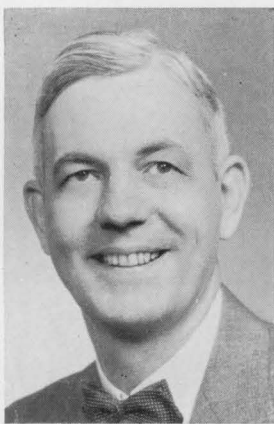
CARL D. MUNSELLE

Assistant Professor of Modern Languages; B.A., Capital University; LL.B., Ohio State University; M.A., Ohio State University; M.A., Columbia University; Delta Phi Alpha.



HAROLD E. DEMUN

Instructor in English; A.B., Miami University; M.A., Miami University; Delta Kappa Epsilon.



CARSON W. BENNETT

Librarian; B.A., Butler University; B.S., George Peabody College; M.A., Indiana State Teachers College; Sigma Nu.



ANITA JACKSON

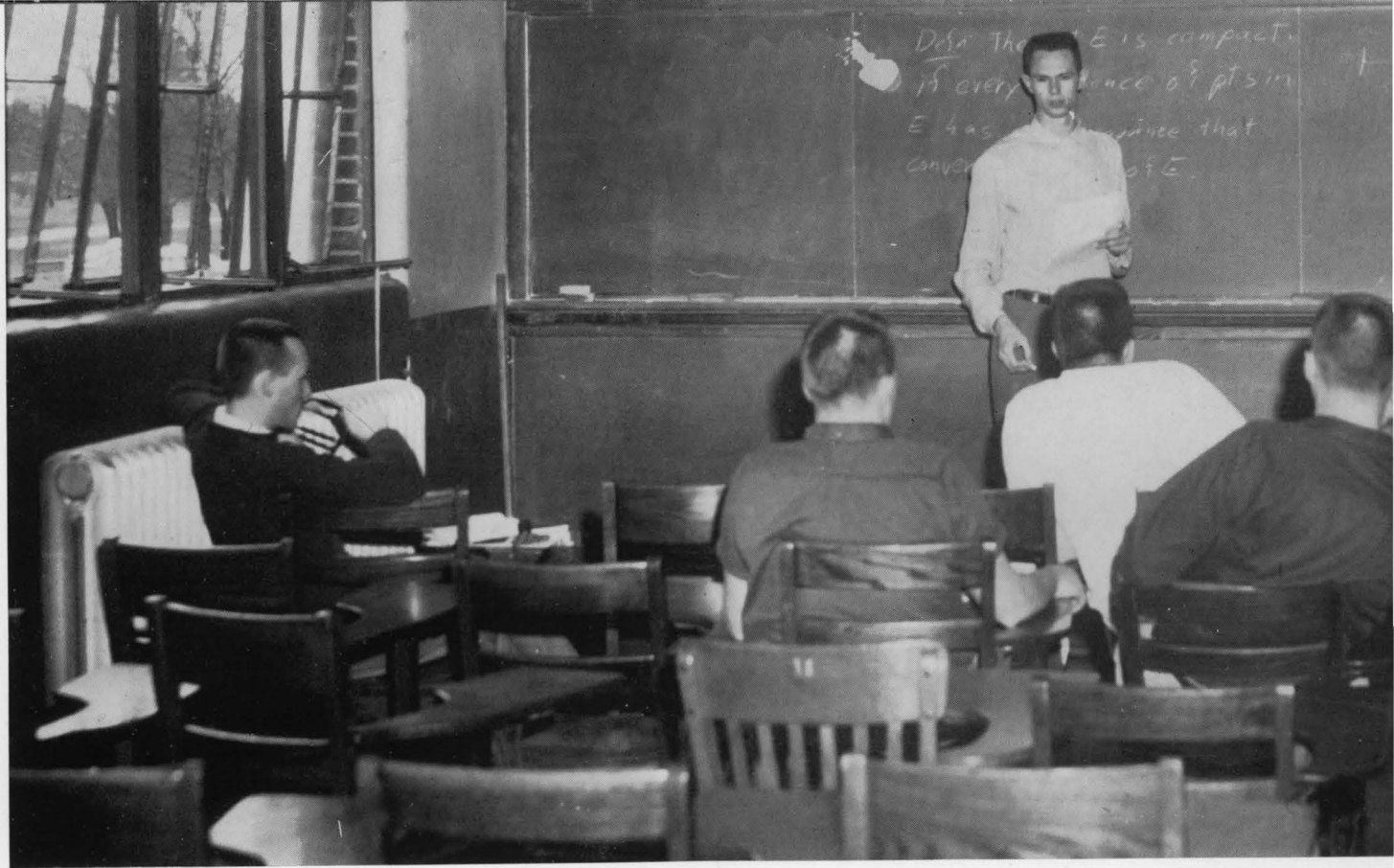
Assistant Librarian; B.S., Indiana State Teachers College; Alpha Beta Alpha; Pi Omega Pi.

The library has the difficult task of keeping us abreast of new developments in literature and important technical advances. These new developments are greatly supplemented by a great deal of older texts and magazines of all kinds. Besides the many current issues of magazines, a record library for enjoyment and language instruction is now in use.

LIBRARY

Students observed forced study hours in the library.





John Tindall explains the correct fudge factor.

MATHEMATICS



MATH CLUB. Kneeling: Ireland, Gates, Tindall, McClung. Standing: Professor Barnett; Mr. Moser; Professor Palmer; Hartley; Archer; White; Brown; Burton, President.



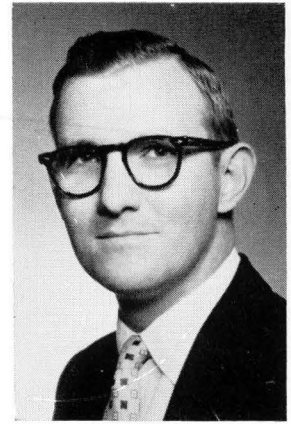
THEODORE P. PALMER

Professor of Mathematics and Head of the Department; B.A., Amherst College; A.M., Harvard University; Theta Delta Chi.



RALPH M. ROSS

Professor of Mathematics and Director of Dormitories; A.B., DePauw University; M.A., Indiana University; Phi Delta Kappa.



ALFRED R. SCHMIDT

Associate Professor of Mathematics; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi; Sigma Xi; Lambda Chi Alpha.

Math, being the basic language of science and engineering, occupies a very important place at Rose. The Math Department has two main responsibilities. One is teaching two years of analytic geometry, calculus, and differential equations to all the students, and the other is teaching the advanced and more detailed math courses to the evergrowing group of students at Rose who are majoring in mathematics.

This year, as in the past, the fine instructors in the Math Department have not only taught the plugs and cranks, but have also taught the theory and reasoning which will prepare the Rose man to tackle new problems in the future.

FREDERIC C. BARNETT

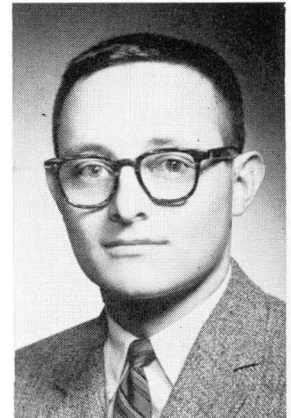
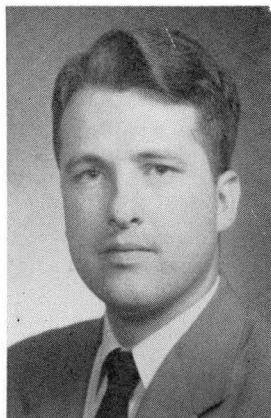
Assistant Professor of Mathematics; B.S., Bradley University; M.S., University of New Mexico; Kappa Mu Epsilon; Delta Epsilon; Phi Gamma Delta.

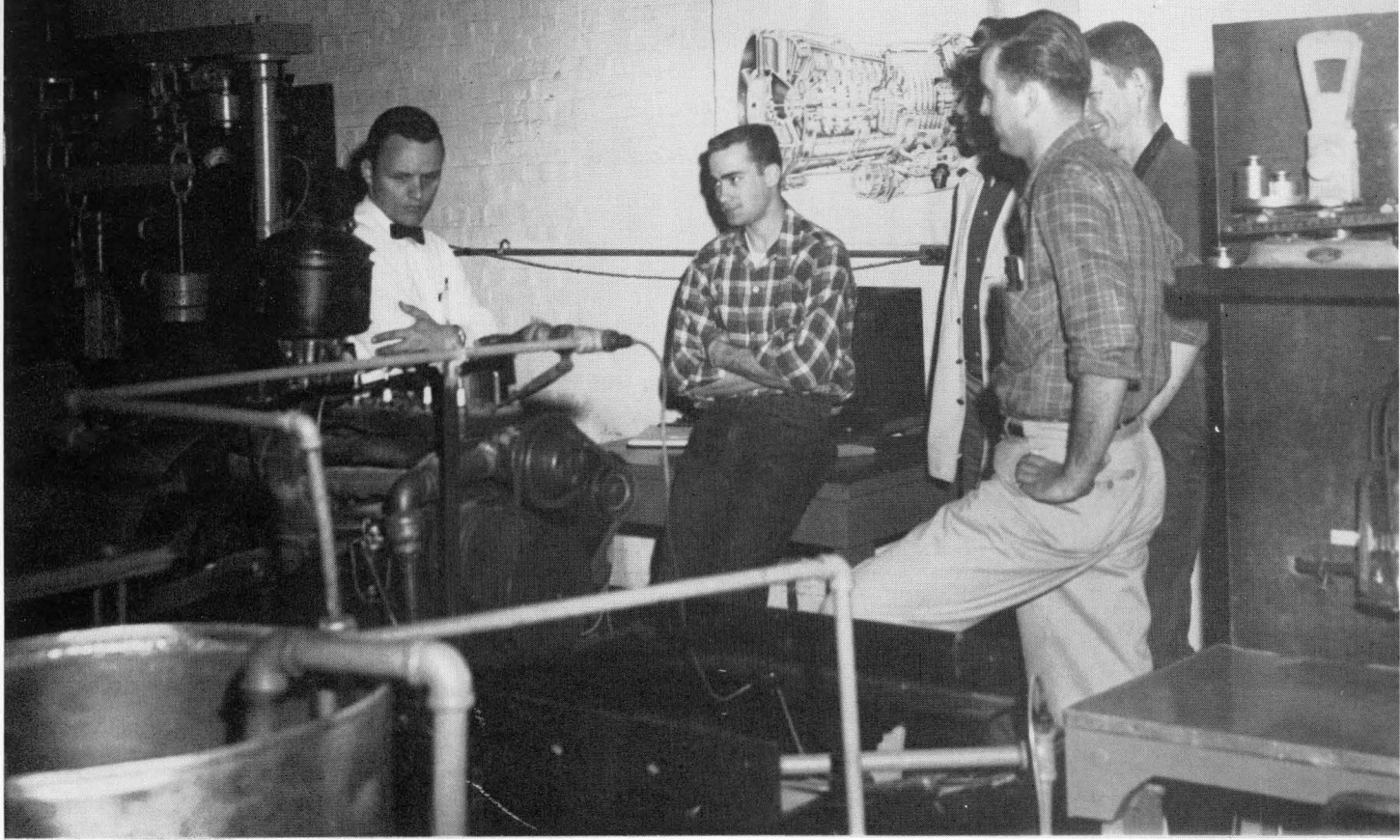
CHARLES E. MAUDLIN, JR.

Instructor in Mathematics; B.S., Indiana State Teachers College; M.S., Indiana State Teachers College; Alpha Tau Omega.

JOSEPH G. MOSER

Instructor in Mathematics and Electrical Engineering; B.S., Rose Polytechnic Institute; M.S., Purdue University; Tau Beta Pi; Sigma Xi.

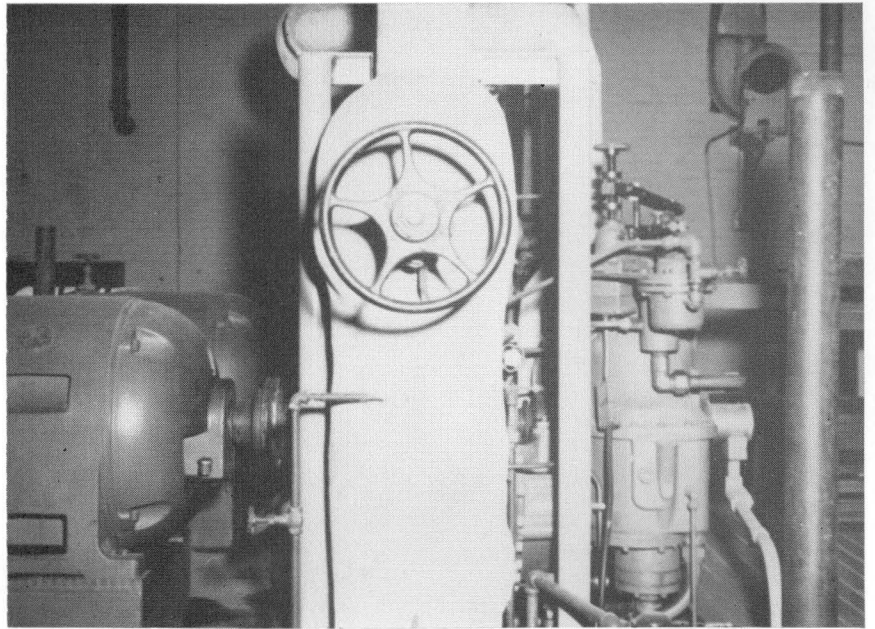




Matty oversees a dynamometer test on the Studebaker engine.

MECHANICAL ENGINEERING

A side view of the two-stage turbine.





IRVIN P. HOOPER

Professor of Mechanical Engineering and Head of the Department; B.S., Tufts University; M.S., University of Vermont; Tau Beta Pi; Alpha Tau Omega.



EDWARD H. ECKERMAN

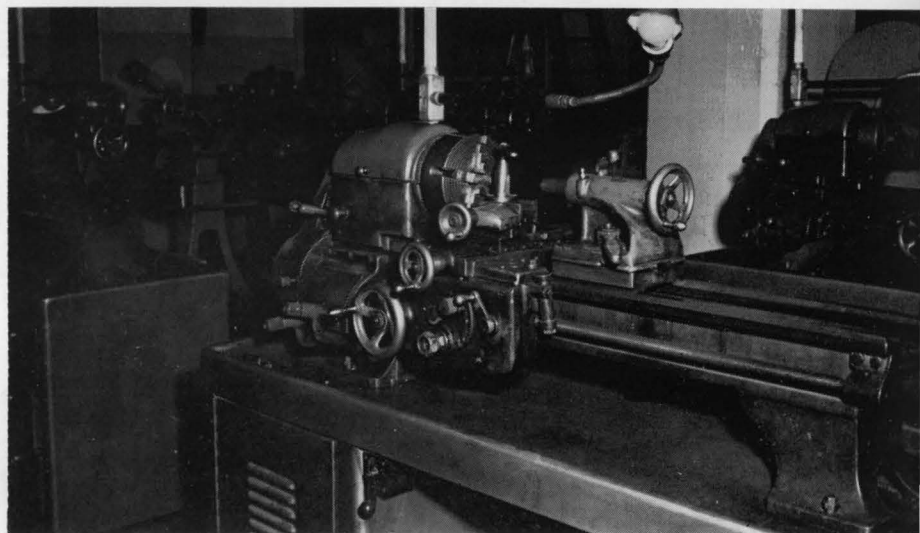
Professor of Mechanical Engineering; B.S., Rose Polytechnic Institute; M. of Eng., Yale University; Tau Beta Pi; Blue Key; Sigma Xi; Alpha Tau Omega.



HAROLD L. NEWPORT

Assistant Professor of Mechanical Engineering; B.S., Purdue University.

The lathe is among the most important metal processing tools.



JAMES B. MATTHEWS

Instructor in Mechanical Engineering; B.S., Rose Polytechnic Institute; S.M., Massachusetts Institute of Technology; Blue Key; Alpha Tau Omega.



EUGENE W. CLEHOUSE

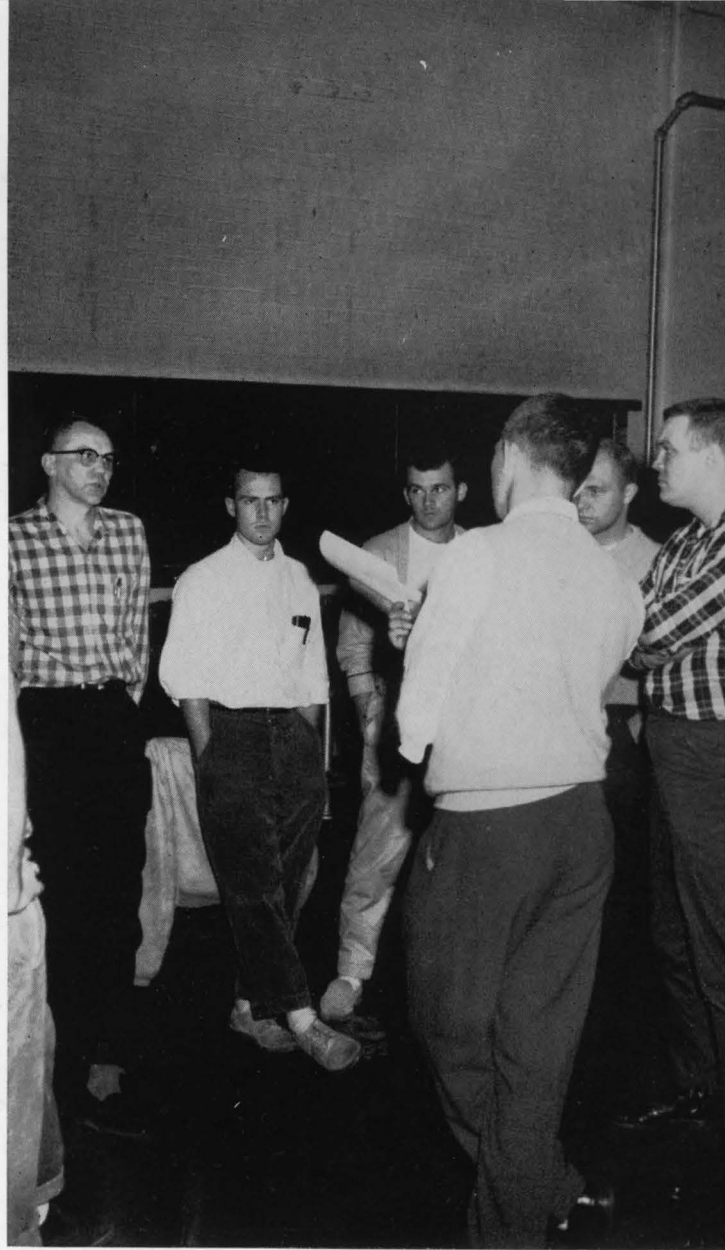
Instructor in Mechanical Engineering; B.S., Indiana State Teachers College; Epsilon Pi Tau.



MECHANICAL ENGINEERING

With the recent emphasis on scientific research, people seem to think the mechanical engineer is becoming obsolete. On the contrary, he is becoming even more important. Not many of these scientific wonders are very useful just sitting around fizzing or throwing sparks; they must do something, and it is usually the mechanical engineer's job to harness these new sources of power. Besides finding methods for controlling and applying new developments, the mechanical engineer still has to cope with the conventional industrial problems.

Here at Rose, the Mechanical Engineering curricula is designed to fit present and future demands. A background of theory enables the student to expand with new developments, but still enough practical application is taught to handle present day situations. A Rose graduate in mechanical engineering has had the benefit of a fine faculty and advanced curricula to build the ability and the confidence that place him among the very best.



The senior M.E.'s hash out some problems

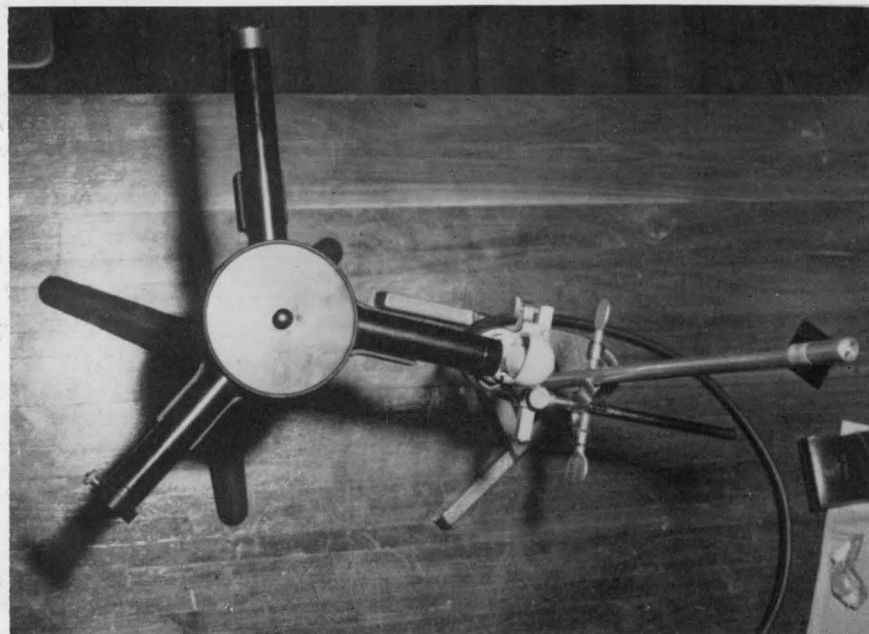


AMERICAN SOCIETY OF MECHANICAL ENGINEERS. First Row: Hallcom, President; Honegger; Herrington; Bott; Stiles; Moyer; Baker; Pike; Zone. Second Row: Kostra, Gallatin, James, Smith, Mihlbacher, Barnett, Funk, Volkers, Onnen, Henke. Third Row: Sechrest, Crisp, Rumpel, Gronberg, Ayers, Paris, Landenberger, Overbey. Fourth Row: Thompson, Stark, Bedwell, Young, Brady, Kuykendall, Dekker, Jaenke.



Some freshmen puzzle over physics labs.

PHYSICS



The spectroscope is used in optics lab for the observation of bright line spectra emissions.

The Physics Department at Rose plays a dual role. On the one hand, it gives the potential engineers a basic understanding of mechanics, electronics and magnetism, as well as a knowledge of the behavior of light and heat energy. On the other hand, the Physics Department has a slowly increasing number of physics majors to which it explains the wonders of modern physics, both theoretical and practical. With its excellent teaching staff the Physics Department has fulfilled its dual role more than adequately.

New lab equipment this year has improved this aspect of the course. Also, for the first time this year the freshmen are being taught from a text being written by the present instructors.

Dr. Meeks lectures the freshmen on the principles of mechanics.



S. V. GALGINAITIS

Professor of Physics and Head of the Department; B.A., Ripon College; Ph.D., University of Wisconsin.



C. LEROY MASON

Associate Professor of Physics; Ph.B., University of Wisconsin; M.A., University of Wisconsin; Phi Beta Kappa.



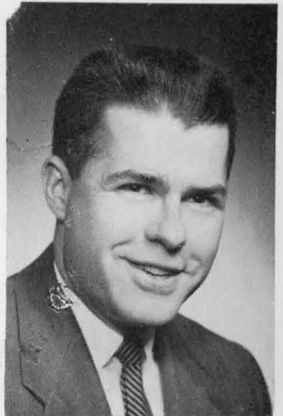
WILKISON MEEKS

Associate Professor of Physics; A.B., Maryville College; M.S., Northwestern University; Ph.D., Northwestern University; Sigma Xi.



JOHN C. HEGARTY

Instructor in Physics; A.B., Boston College; M.S., University of Maryland; Sigma Pi Sigma.





The Rose Rifles, precision drill team, execute Queen Anne's Salute by the ripples.

MILITARY SCIENCE



Distinguished Military Students are honored at the Fall Review.



FRED M. WALKER

Professor of Military Science and Tactics and Head of the Department; B.S., Michigan College of Mining and Technology; M.S., Stanford University; Tau Beta Pi; Blue Key; Theta Tau; Lieutenant Colonel U. S. Army.



HARRISON S. SMITH

Assistant Professor of Military Science and Tactics; B.S., The Citadel; M.E., Texas A&M; Captain U.S. Army.



HOMER AMBROSE, JR.

Assistant Professor of Military Science and Tactics; B.S., Virginia Military Institute; M.S., Iowa State College; Captain U. S. Army.

NOEL ARTHUR

Instructor in Military Science and Tactics; Master Sergeant U. S. Army.

SAMUEL L. ROBERTS

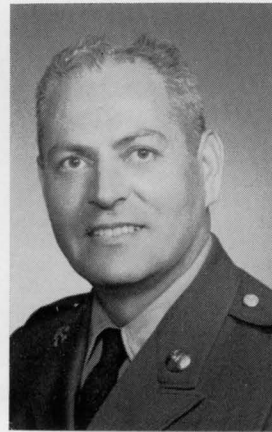
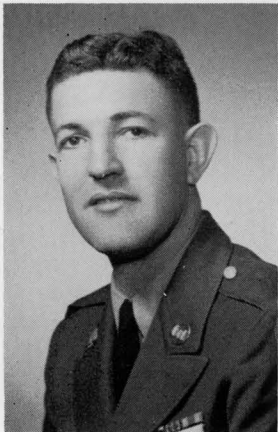
Administrative Non-commissioned Officer; Master Sergeant U. S. Army.

FRANK A. BLAKE, JR.

Instructor in Military Science and Tactics; Master Sergeant U.S. Army.

MICHAEL E. ZUPANSIC

Supply Sergeant; Master Sergeant U. S. Army.





The Rose rifles in formation.

MILITARY SCIENCE

The ROTC program develops leadership and initiative among its students preparing them for positions of leadership and responsibility in civilian life as well as in the Army.

The freshmen and sophomore cadets, commanded by junior and senior cadet officers, drill one hour weekly as a part of the ROTC program. The uniforms add unity and class to the drill periods.

The SAME has a chapter on campus which sponsors one of the main social events of the year, the Military Ball. They took a trip to Fort Knox and Louisville where they inspected Louisville Locks, Regular Army units, and civil works projects.

Sophomores may elect to take the advanced course and be commissioned a second lieutenant in the Army Reserve upon graduation.

SOCIETY OF AMERICAN MILITARY ENGINEERS. First Row: Warren Griffith, Treasurer; Larry Cunningham, Vice President; Captain Smith, Advisor; Fred Wernicke, President; Bob Schukai, Secretary. Second Row: Vernon Gross, Jay Hirt, Don Lanning, Larry Pitt. Third Row: Bill Johnson, Jack Smith, Marsh Garino, Ron Staggs, Woody Stroupe, Phil Oldham, Gerry Gaskins, Bill Perkins.



ADMINISTRATION

Planning, organizing, and coordinating the activities, finances, curricula, and schedules at Rose is an unbelievably complicated process. However, through the skill and efficiency of our administration staff, the school year rolls on smoothly and quietly.

REVEREND LEROY BROWN

Institute Chaplain; B.A., Williams; M.A., Williams; A.M., Harvard; B.D., Union Theological Seminary; Phi Beta Kappa; Phi Gamma Delta.



J. G. LEE

Registrar; B.S., Rose Polytechnic Institute; Tau Beta Pi.



GEORGE H. MOENCH

Bursar.



The mail is in . . . finally!

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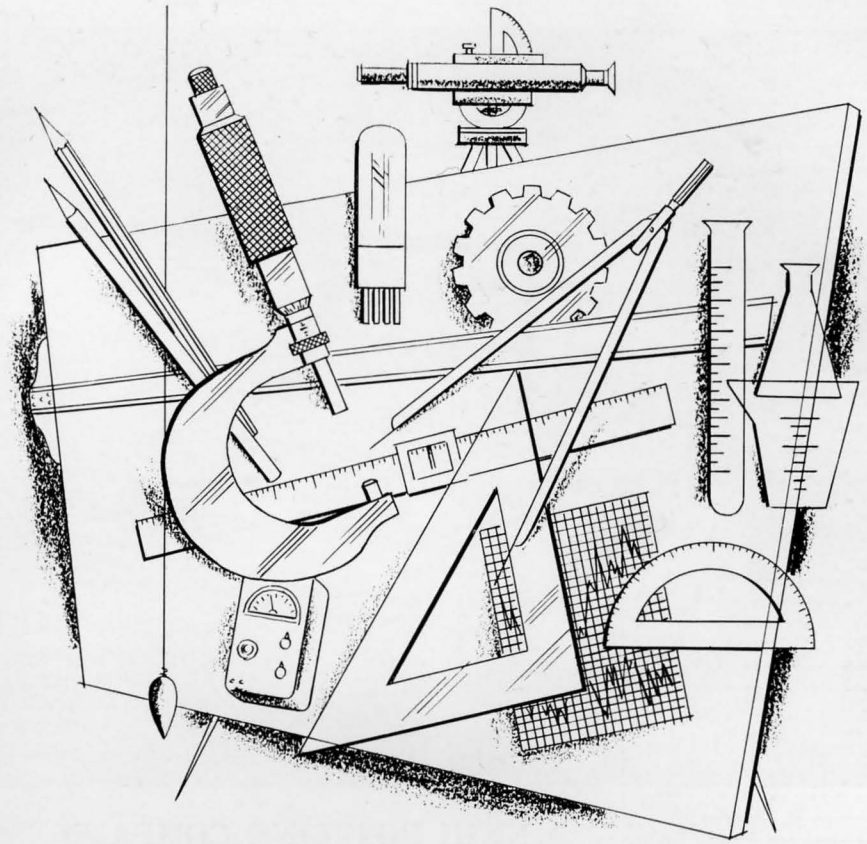
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