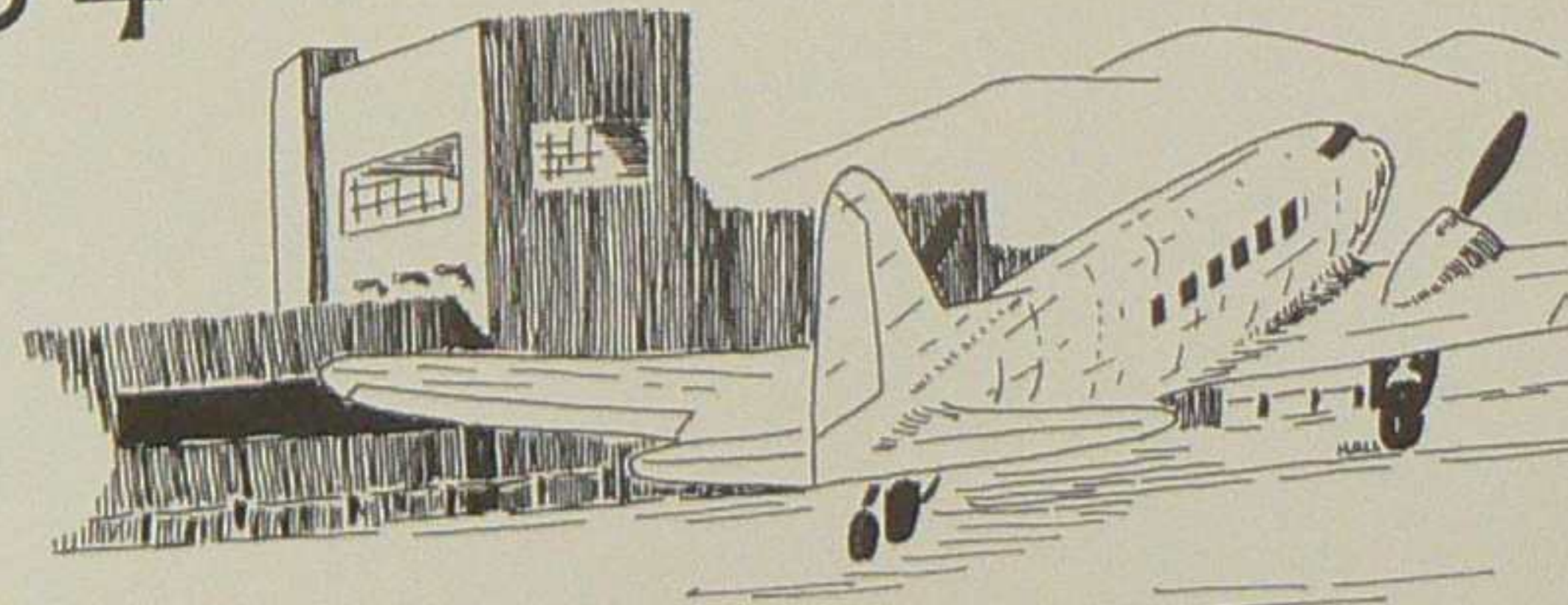


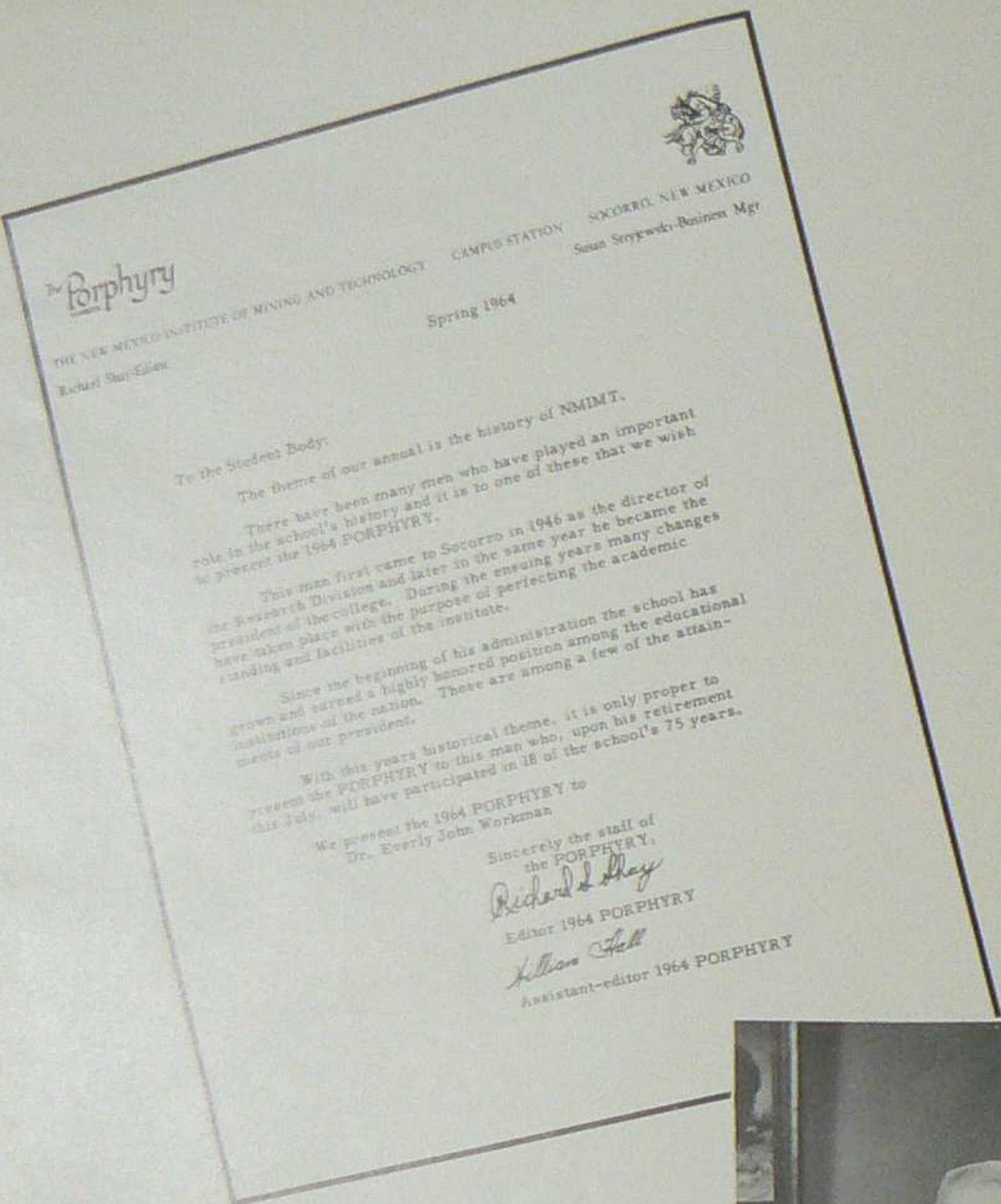
1889

# The Porphyry

1964







To the Student Body:

The theme of our annual is the history of NMIMT. There have been many men who have played an important role in the school's history and it is to one of these that we wish to present the 1964 PORPHYRY.

This man first came to Socorro in 1946 as the director of the Research Division and later in the same year he became the president of the college. During the ensuing years many changes have taken place with the purpose of perfecting the academic standing and facilities of the institute.

Since the beginning of his administration the school has grown and earned a highly honored position among the educational institutions of the nation. These are among a few of the attainments of our president.

With this year's historical theme, it is only proper to present the PORPHYRY to this man who, upon his retirement this July, will have participated in 18 of the school's 75 years.

We present the 1964 PORPHYRY to  
Dr. Everly John Workman

Sincerely the staff of  
the PORPHYRY,  
*Richard Star-Edgar*  
Editor 1964 PORPHYRY  
*William Hall*  
Assistant-editor 1964 PORPHYRY



# 1889 N M S M

75 Years of Service  
by Paige Christiansen

# 1964 NMIMT

This year, 1964, marks the 75th anniversary of New Mexico Institute of Mining and Technology. As important landmarks are reached it is wise to pause for a moment to contemplate the past. Only when we know the past can we clearly assess the present, and without knowledge of both, planning for the future is meaningless.

The school was founded by an act of the New Mexico Territorial Legislature of 1889 "to furnish facilities for the education of such persons as may desire to receive instruction in chemistry, metallurgy, mineralogy, geology, mining, milling, engineering, mathematics, mechanics, drawing, the fundamental laws of the United States and the rights and duties of citizenship, and such other courses of study as may be prescribed by the Board of Trustees."

While the legislature created the school, it took more than a statute to make it a reality. In 1889 a group of Socorro citizens donated twenty-two and one-fifth acres of land to the Territory on which to build the school. During the summer of 1893 a building of "gray trachyte from Blue Canyon in the Socorro Mountains trimmed with Arizona sandstone" was completed. The first students, seven in number, arrived to begin instruction in September, 1893. Financial problems forced the school to close during 1894, but from 1895 to the present the school was operated without interruption. From its founding until 1951 it functioned under the name of the New Mexico State School of Mines. Since 1951 it has been known as the New Mexico Institute of Mining and Technology.

The physical plant has undergone three basic periods of growth. The first included the original building plus the old engineering building (1916) and Driscoll Hall (1909). Only part of Driscoll Hall, Brown Annex (the only part of the old main building not destroyed by fire in 1928), and the present power plant (part of the old engineering building), are still in use. The second period of growth was during the presidency of Edgar H. Wells, from 1921 to 1939. In the 1920's Brown Hall (which was constructed to replace the old main building), Science Hall (1928), and a gymnasium (built in 1923 by student labor) were constructed. In the decade of the 1930's, with the availability of federal funds, the school acquired Fitch and Presidents Halls, an addition to Driscoll, Wells Hall (library), Weir Hall, and the present gymnasium. The third great period of growth was under Dr. E. J. Workman, president from 1946 to 1964. During these years new construction included the Research Building (1949), married students apartments, faculty rental houses, the swimming center, West Hall and its adjoining canteen and dining facility, the addition to Weir Hall, and the golf course. Numerous recreational facilities plus substantial landscaping were also accomplished.

From 1893, when classes first began, to 1930, the school's curriculum was devoted almost entirely to mining.

But because of the growth of the petroleum industry, emphasis shifted to petroleum engineering, and after 1935 the School of Mines became a petroleum engineering school. During World War II it lost its civilian students and was converted into an Army training school. In 1945, with the end of the army program, the school met the most critical point in its 75-year history. Only fifteen students were enrolled in the 1944-1945 school year. Without the direct intervention of the Governor, the school might have been closed permanently for lack of students.

World War II veterans returning to school caused enrollment to soar. Also, in the immediate post-war period, there was renewed interest in mining and metallurgy. But the boom came to an end, as did the interest in mining. In the decade of the 1950's new programs were required to attract students and new facilities were added to serve a wider curriculum. The Research Division, attached to the school in 1946, was moved to the campus in 1949. With it came a considerable number of men who were highly educated in many branches of science. The changes which resulted were significant. A graduate program was added in 1946 leading to a master's degree in earth sciences. Later, physics, chemistry, geology, mathematics, groundwater hydrology and extractive metallurgy were added to the graduate curriculum. In 1953 a program leading toward a Doctor of Philosophy degree in Geophysics was initiated. The undergraduate program also benefited from this change. Bachelor of science degrees in physics, geophysics, geology, mathematics, biology, and a number of options within these fields, became available. The older fields of engineering were retained and play an important role in the school's program, but they do not dominate the curriculum as they once did. The academic status of the school also changed markedly. In 1949, for the first time in its history, the school was accredited by a recognized accrediting agency, the North Central Association.

By expanding its curriculum to fit the needs of the State of New Mexico and the nation, New Mexico Tech entered its greatest period of growth in the 1960's. The nation as a whole, and New Mexico in particular, has cause to look to its educational system. The people who will face the tremendous task of equating the ever increasing burden of knowledge to the American scene will be educated in the nation's institutions of higher learning. New Mexico Institute of Mining and Technology will play an important role in this great undertaking. The phrase, "with all the rights, privileges, and responsibilities thereunto pertaining," has become familiar to many generations of graduates of the school, and will bring a sense of great achievement to many more. Let it be hoped that thoughts of their school will stir in them a nostalgia for the past, enthusiasm for the present, and vision for the future.



NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY  
 SOCORRO, NEW MEXICO  
 CAMPUS STATION  
 OFFICE OF THE PRESIDENT

November 27, 1963

To the Associated Students:

The growth of the student body in numbers and spirit during the past few years has been most gratifying to administrative officers and members of the staff.

In my nearly six year term as president of this institution, I have maintained a very careful watch for new signs of our maturity. It is my studied opinion that we have advanced to the point where we can predict the accomplishments envisioned in our design.

You, as my fellow students, wish for the continued progress of this institution for the further development of the mining and technology association with its growth.

Sincerely yours,

*E. J. Workman*  
 E. J. Workman



NEW MEXICO INSTITUTE  
 OF MINING & TECHNOLOGY  
 CAMPUS STATION SOCORRO, NEW MEXICO  
 THE COLLEGE DIVISION

December 23, 1963

To the Editor and the Staff of The Porphyry:

I am writing this greeting during the Christmas holidays of the 1963-64 academic year. The campus is deserted; the halls are empty; the stir and activity of student life are suspended. Such quiet is unnatural. It is as if the vital energy of New Mexico Institute of Mining and Technology has been drained away.

Thus far, the current academic year has been one of unusual significance to the Institute, and it is a comfort to reflect that the quiet of these days soon again will be broken—and vital energy restored. The interest in student affairs demonstrated by students and the force of student enthusiasm and responsibility, which culminated shortly before the holidays in overwhelming student support for the creation of student facilities on the campus, is an encouraging sign for the future.

You students of 1963-64 have made a most important contribution to the student generations who will follow you. My heartiest congratulations.

Sincerely,

*Howard Sylvester*  
 Howard Sylvester





# BOARD OF REGENTS



Walter E. Abbott  
Albuquerque

Eugene L. Coulson  
Socorro

Thomas M. Cramer  
Carlsbad

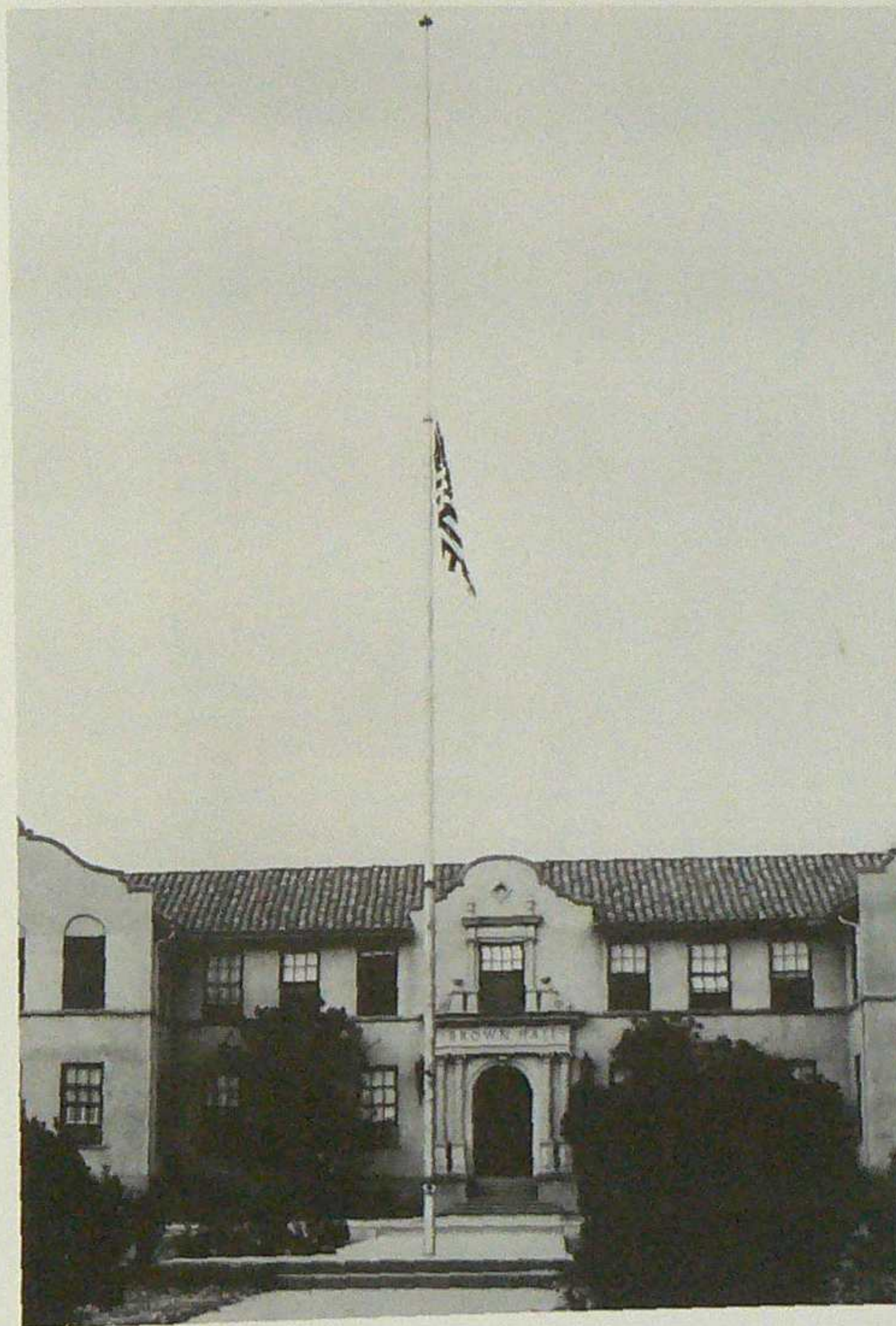
Evo M. Larrazola  
Albuquerque

Richard Zimmerly  
Socorro

EX OFFICIO

Jack M. Campbell  
Governor

Tom Wiley  
Superintendent of Public Instruction



We pause a moment in the publishing of the PORPHYRY to reflect upon an event of the past year, an event which affected each member of the student body as well as all the peoples of the nation and the world.

That fateful November 22, will be remembered throughout history not only as the date of the assassination of our president, but as a day on which the world mourned.

It is difficult to understand how an event such as this could possibly take place in our nation and there is not much we can write to explain such a tragedy. Each person has his view and each person reflects his astonishment that this tragedy took place in the United States.

We pause to pay our respect to the late President of the United States

JOHN FITZGERALD KENNEDY



OUR PAST IS REFLECTED  
IN OUR PROGRESS







#### DRISCOLL HALL

With the increase in women students at the college, the old men's residence was renovated and is now the woman's residence.



#### FITCH HALL

The oldest of the men's residence halls, Fitch housed the Dining Room for the college until the completion of West Hall. At that time Fitch was expanded to its present capacity.

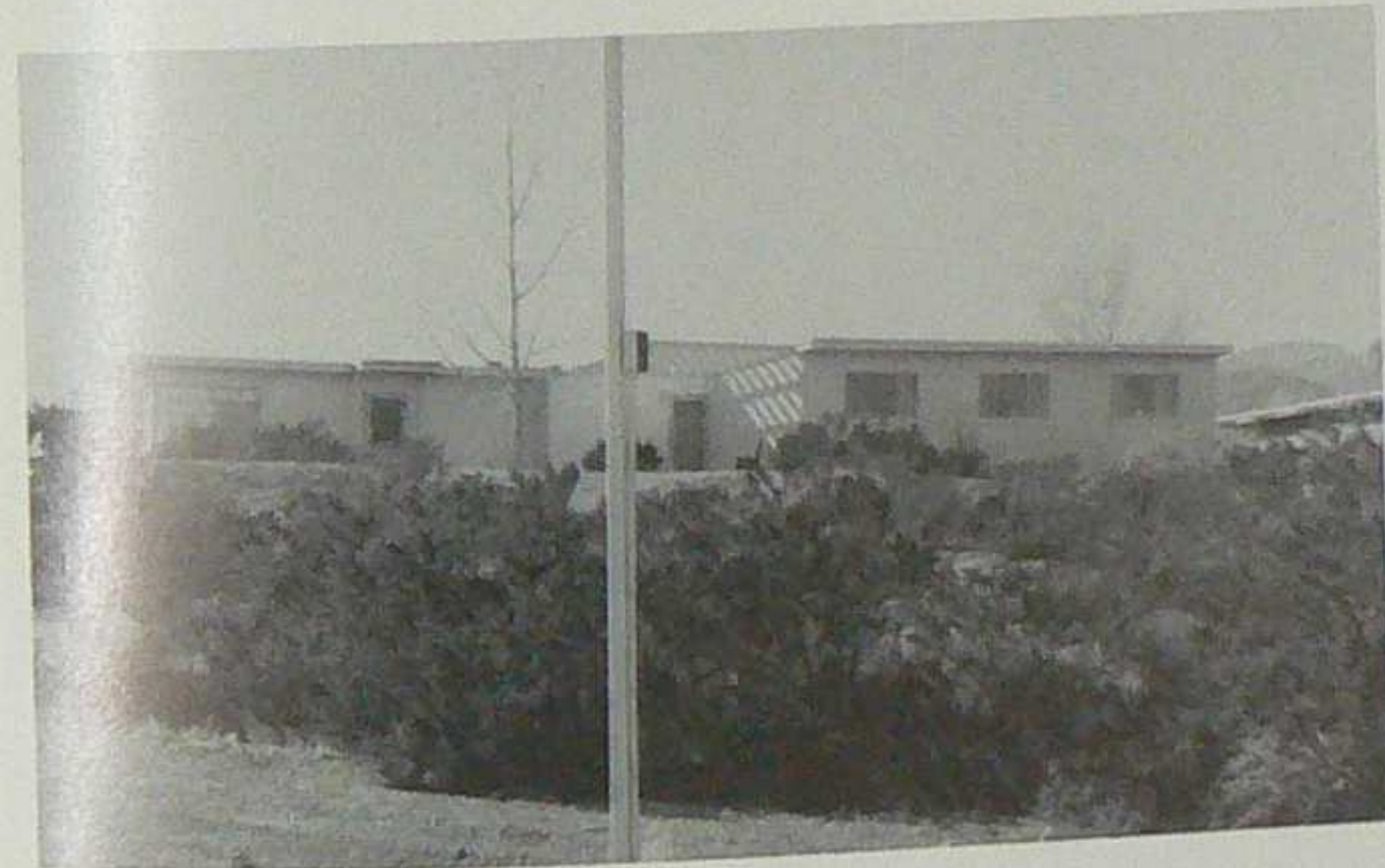


#### PRESIDENT'S HALL

President's Hall, an upperclassmen residence hall, was completed in 1939 and houses single male students.

#### WEST HALL

The newest of men's residence halls, West Hall is the most modern dormitory on campus. The new Dining Hall and Canteen are also an integral part of West Hall.

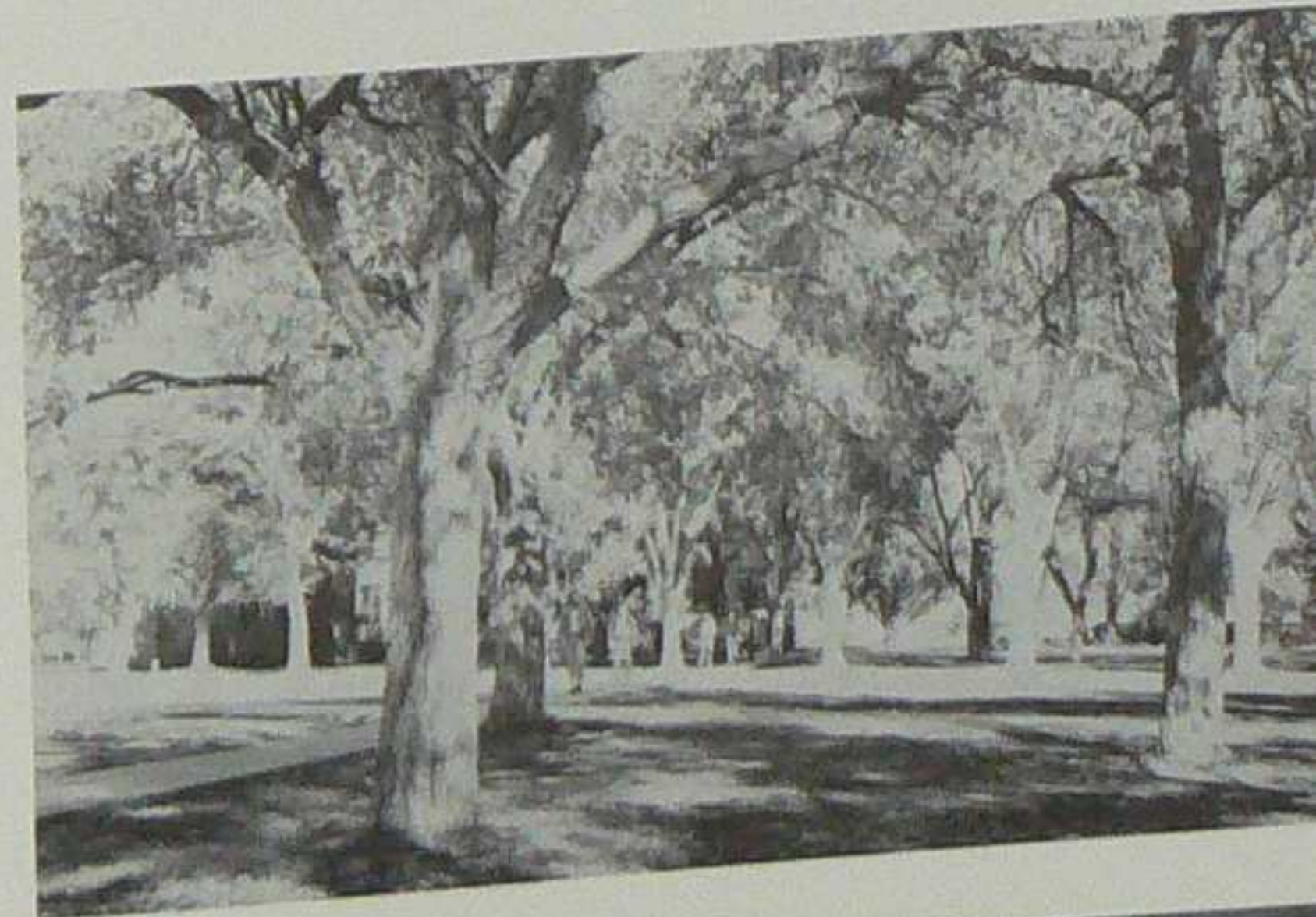


#### GRADUATE RESIDENCE

In the last few years with increased enrollment, the male graduate students have obtained a dormitory of their own. The old girls dormitory on the hill, southwest of the main campus, has been converted to this new purpose.

#### MAIN CAMPUS

With abundant lawns and trees, the college campus appears to be an oasis in the desert.







#### HILL APARTMENTS

Located just southwest of the main campus the Hill Apartments provide housing for the married students of the college.

HILL APARTMENTS

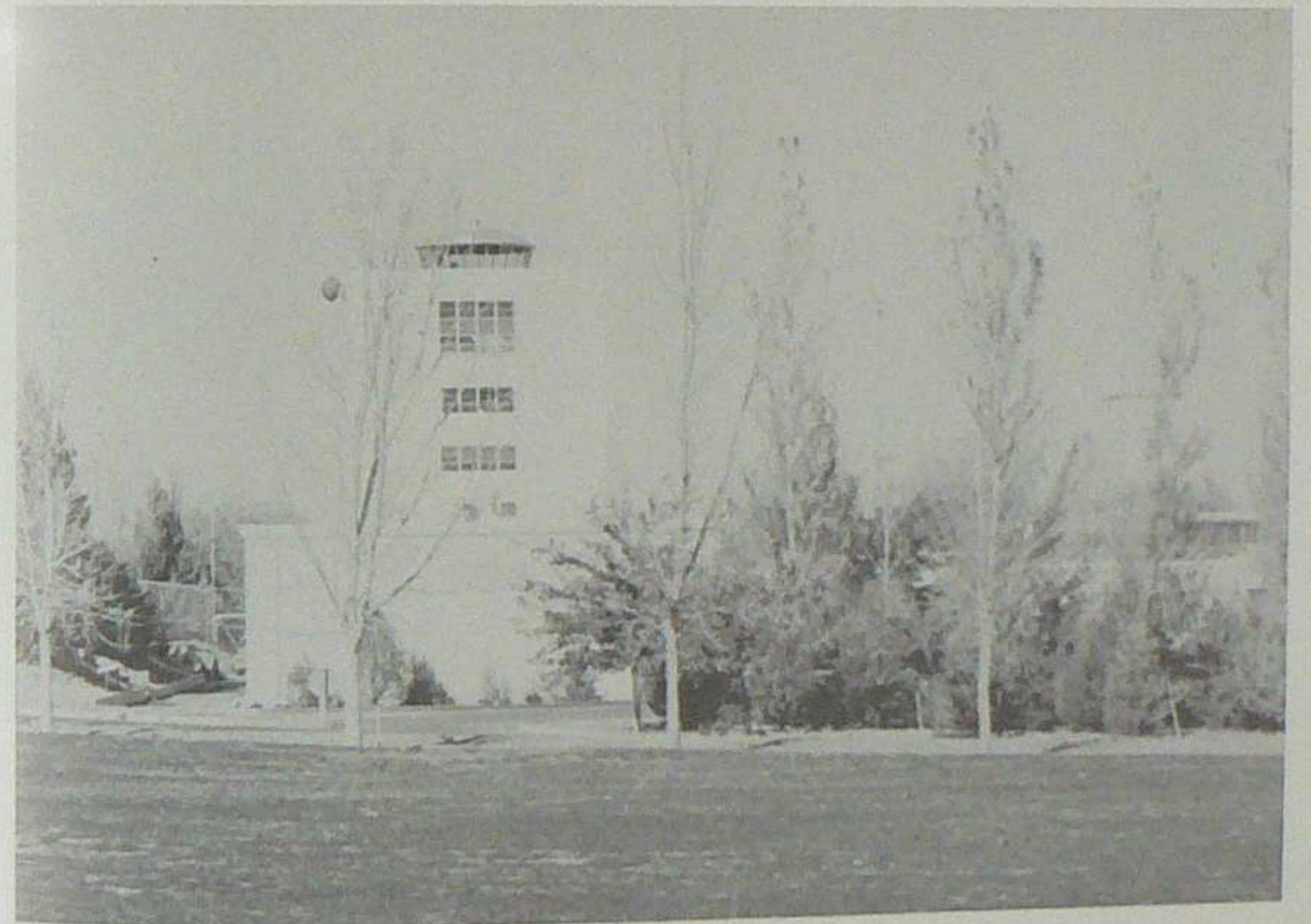


#### GIBBONS APARTMENTS

The second half of the married students residence, the older Gibbons Apartments have long served the college.

#### COLLEGE SWIM CENTER

Constructed in conjunction with the town of Socorro and the department of the Navy, the swim center provides recreation for students as well as the people of Socorro.



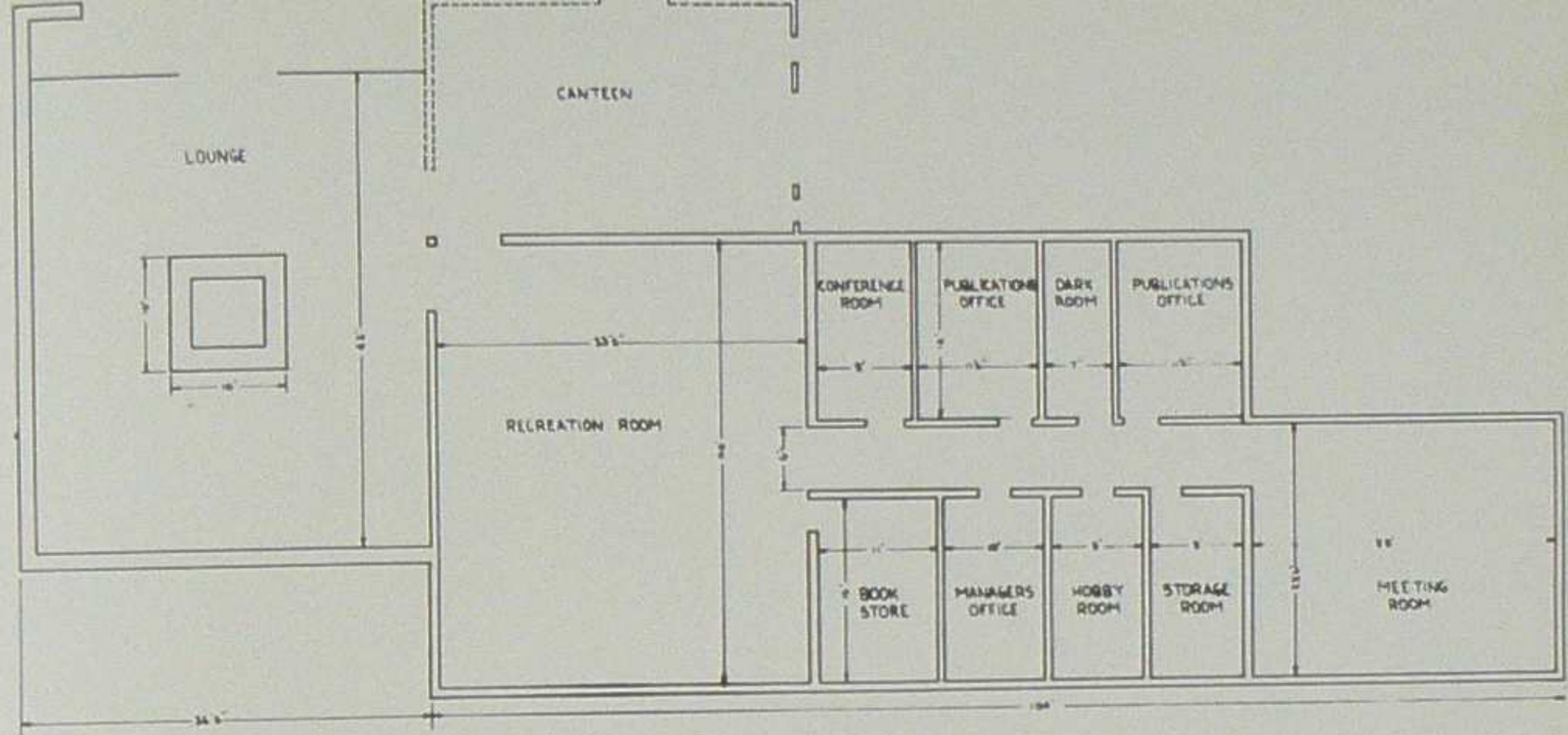
New research facilities at the college



# TECH PLANS NEW SUB

The ideas of a Student Union Building at Tech is not new. The need for and lack of such a building has long been recognized and lamented by students and administration alike. Action on such a building, however, had been lacking to date until the Student Council, meeting in closed sessions and acting on behalf of the Student Association, came up with a workable plan to finance and build a union with funds contributed by the student body. A proposal outlining the plan was drawn and submitted to Institute President Dr. E. J. Workman by council members Eric Berg, president; Bob Landoll, vice president; Nelson Welch, secretary-treasurer; David Zack, Leon Jackson, Albert Harvey, Royce Wyrick, and Nathan Columbus, class representatives, and Paige Christiansen, sponsor. Dr. Workman gave the proposal his approval and preliminary planning was begun.

Artists Conception of New Sub



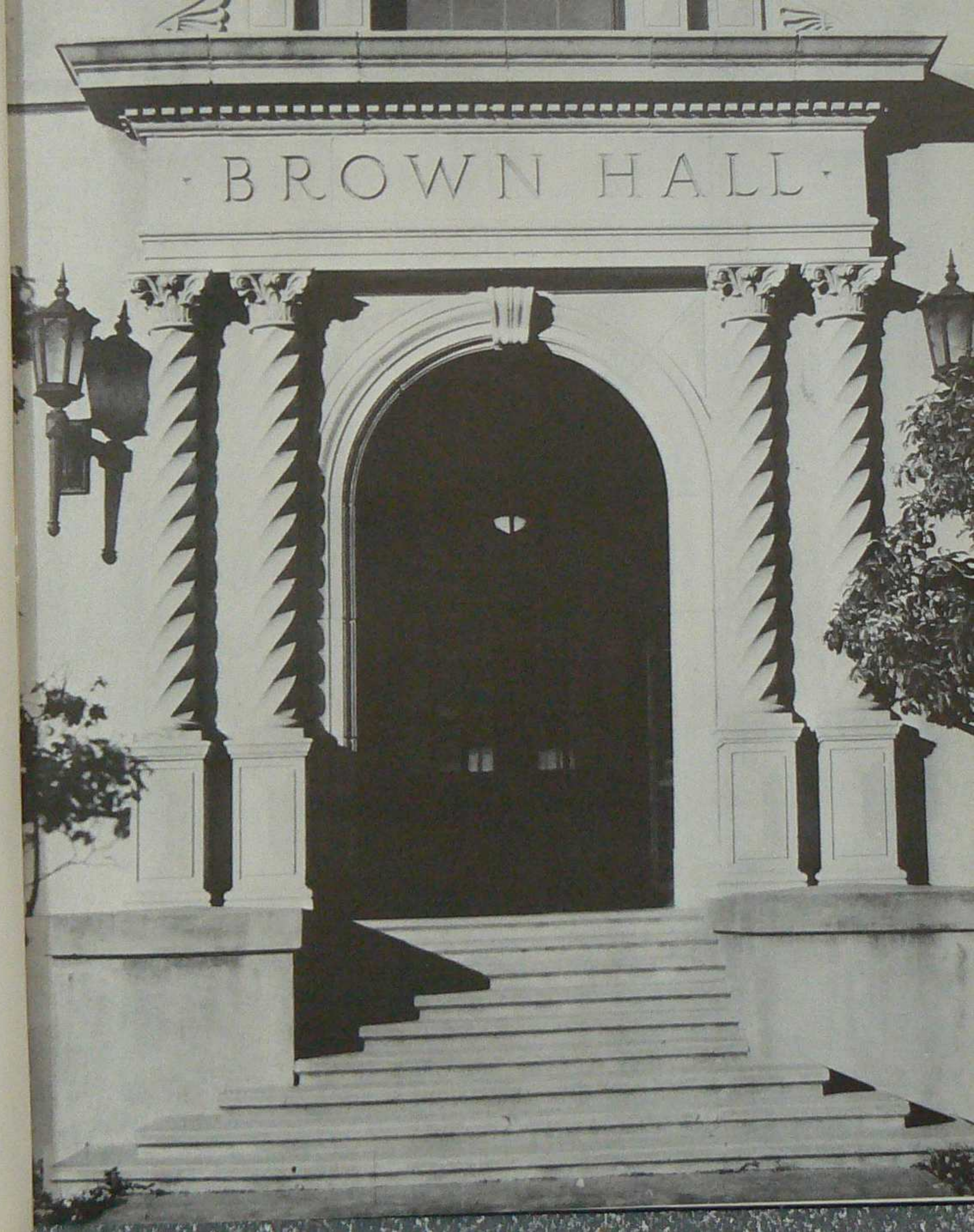
PROPOSED FLOOR PLAN FOR SUB

STUDENT BODY PRESIDENT, BERG, PROPOSES SUB





PROGRESS WITH GUIDANCE  
AND SUPERVISION







REGISTRAR  
Arthur P. Stanton



BUSINESS MANAGER  
Howard E. Manning

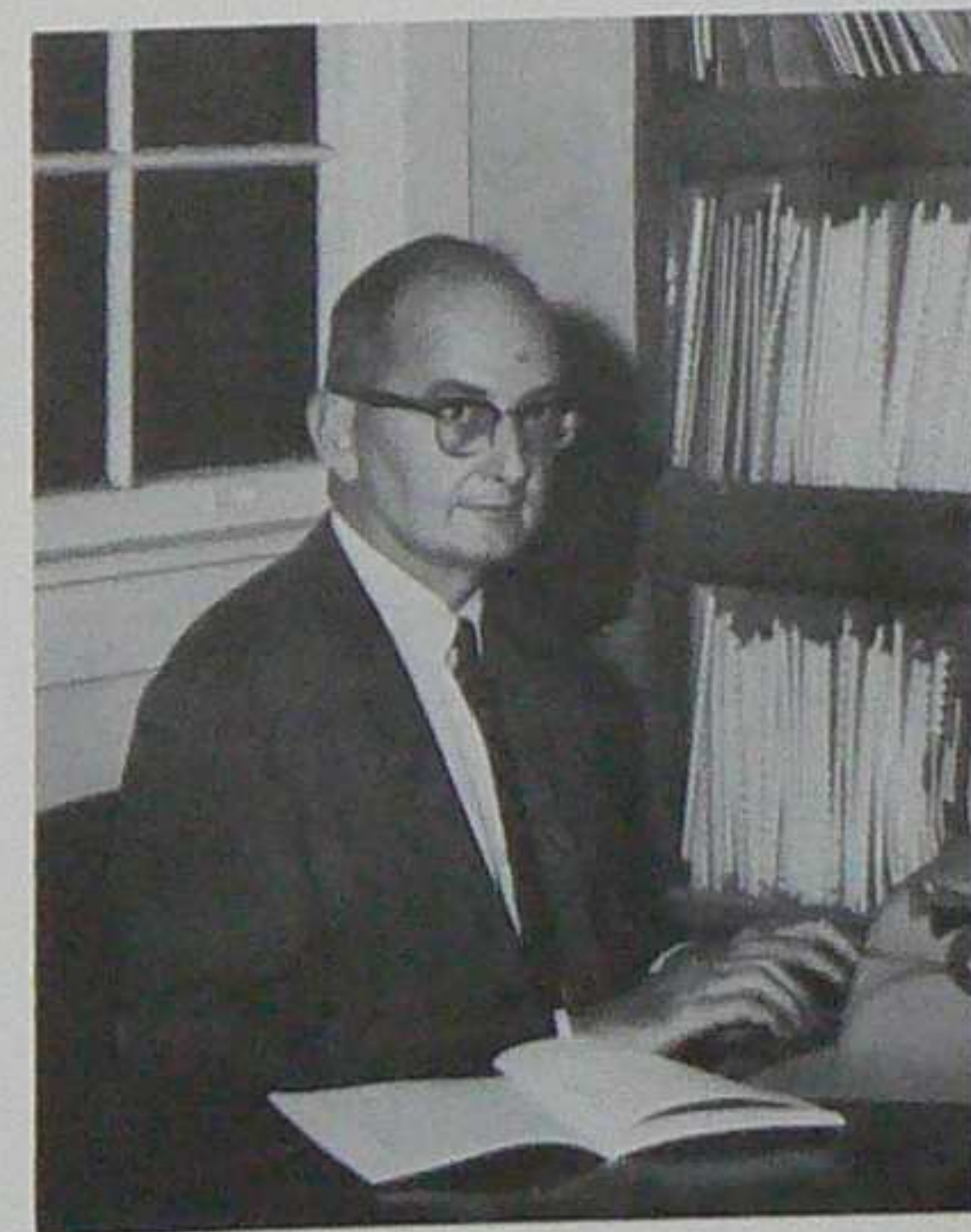


ADMINISTRATIVE AIDE  
Alfred A. Culloudon



DIRECTOR OF STUDENT AFFAIRS  
Charles Sheehan

DIRECTOR OF PUBLICATIONS  
Abercrombie Holmes, Jr.



DIRECTOR OF ADMISSIONS  
James H. McElhanev







LIBRARIAN  
Martin Speare



DIETICIAN  
Mary Joyce Pate



BUILDINGS SUPERINTENDENT  
Louis Grandjean

BUSINESS OFFICE STAFF  
Robert Romero  
Nettie Sadosuk



ADMISSIONS STAFF  
Linda Martin  
Mary Ratzlaff  
Janis Duncan

PUBLICATIONS STAFF  
Joan Mumm  
Karen Berg  
Maggie Hollis  
Karen Klaar







LIBRARY STAFF  
 Irma Youngblood  
 Melicio Apadoca  
 Helen Sickles



PURCHASING STAFF  
 Cecilia Montoya  
 Maggie Hollis



CAFETERIA STAFF  
 Herman Trujillo  
 Gene Torris  
 Roger Costillo  
 Arthur Gallegos  
 Jose Lopez  
 Grace Duggins  
 Irene Garcia  
 Sadie Markland



SECRETARY TO PRESIDENT  
 Corrilea McDonough



SECRETARY TO REGISTRAR  
 Virginia Marquez



ADMINISTRATIVE SECRETARY  
 Maud Tidd

ADMINISTRATIVE SECRETARY  
 Florence Jeffreys



POSTMASTER  
 Charles Del Curto



HEAD RESIDENT OF  
 DRISCOLL HALL  
 Phyllis Vessells





# PROGRESS BY INSTRUCTION







JOSEPH A. SCHUFLE  
1948\*

Professor of Chemistry  
Acting Head of Department  
PHD WESTERN RESERVE  
UNIVERSITY 1948

The chemistry department deals with the education of the student in practical and theoretical research. The creation of an active interest in the composition of matter and its components is the goal of the department.

Upon the completion of his course of studies the student is very well trained in the aspects of organic, physical, inorganic, and analytical chemistry. Such training opens many fields of endeavor for the student including graduate work.

## CHEMISTRY

KAY R. BROWER  
1956

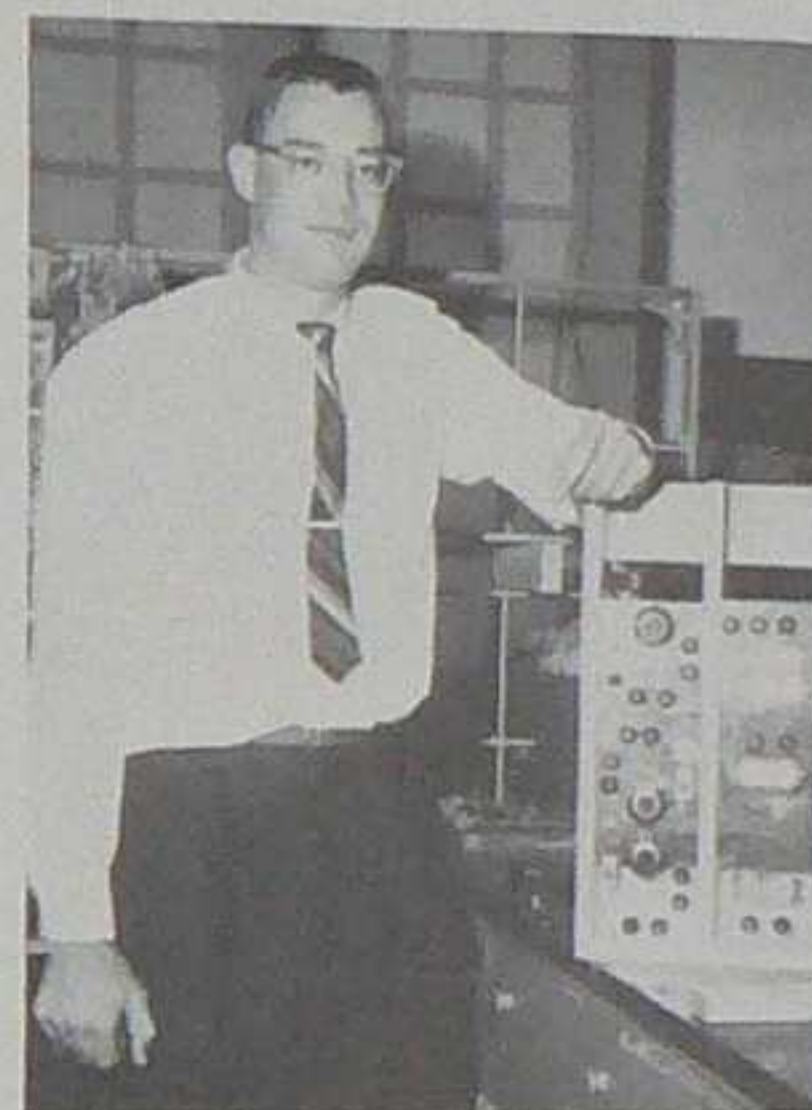
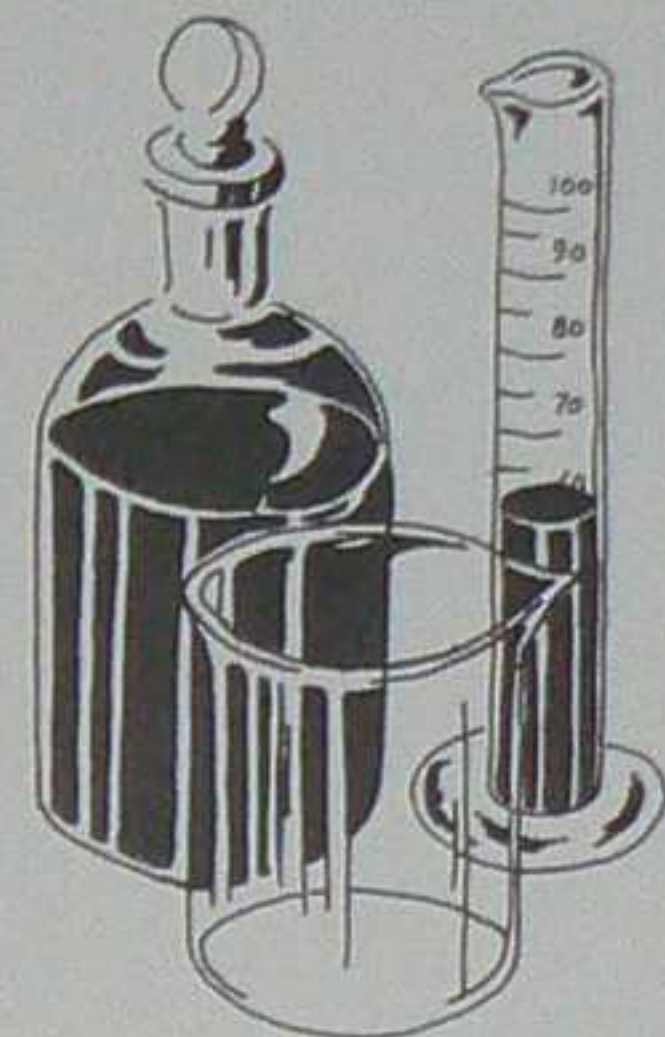
Associate Professor of Chemistry  
PHD LEHIGH UNIVERSITY 1953

\*Year joined NMIMT staff



LAWRENCE HATHAWAY  
1963

Assistant Professor of Chemistry  
PHD UNIVERSITY OF KANSAS 1963



WAYNE R. OHLINE  
1961

Assistant Professor of Chemistry  
PHD NORTHWESTERN UNIVERSITY  
1960

DEXTER H. REYNOLDS  
1962

Assisting Professor of Chemistry  
PHD UNIVERSITY OF ILLINOIS 1936







Roller C. Beckhart  
SENIOR  
Fort Lauderdale, Florida

chemistry club  
american chemical society  
national science foundation

Gary Z. Carl  
SENIOR  
Roswell, New Mexico

chemistry club  
college program series

Timothy C. Konkol  
SENIOR  
Yonkers, New York

president chemistry club  
senior class historian  
student council representative

James A. Rowles II  
SENIOR  
Tulsa, Oklahoma



Peter J. Davoll  
SENIOR  
Dartmouth, Massachusetts

chemistry club  
cooney mining club

Richard S. Shay  
SENIOR  
Atlanta, Illinois

editor porphyry  
american chemical society  
sec-treas chemistry



Leonard W. Gray  
SENIOR  
Waycross, Georgia  
vice president chemistry club

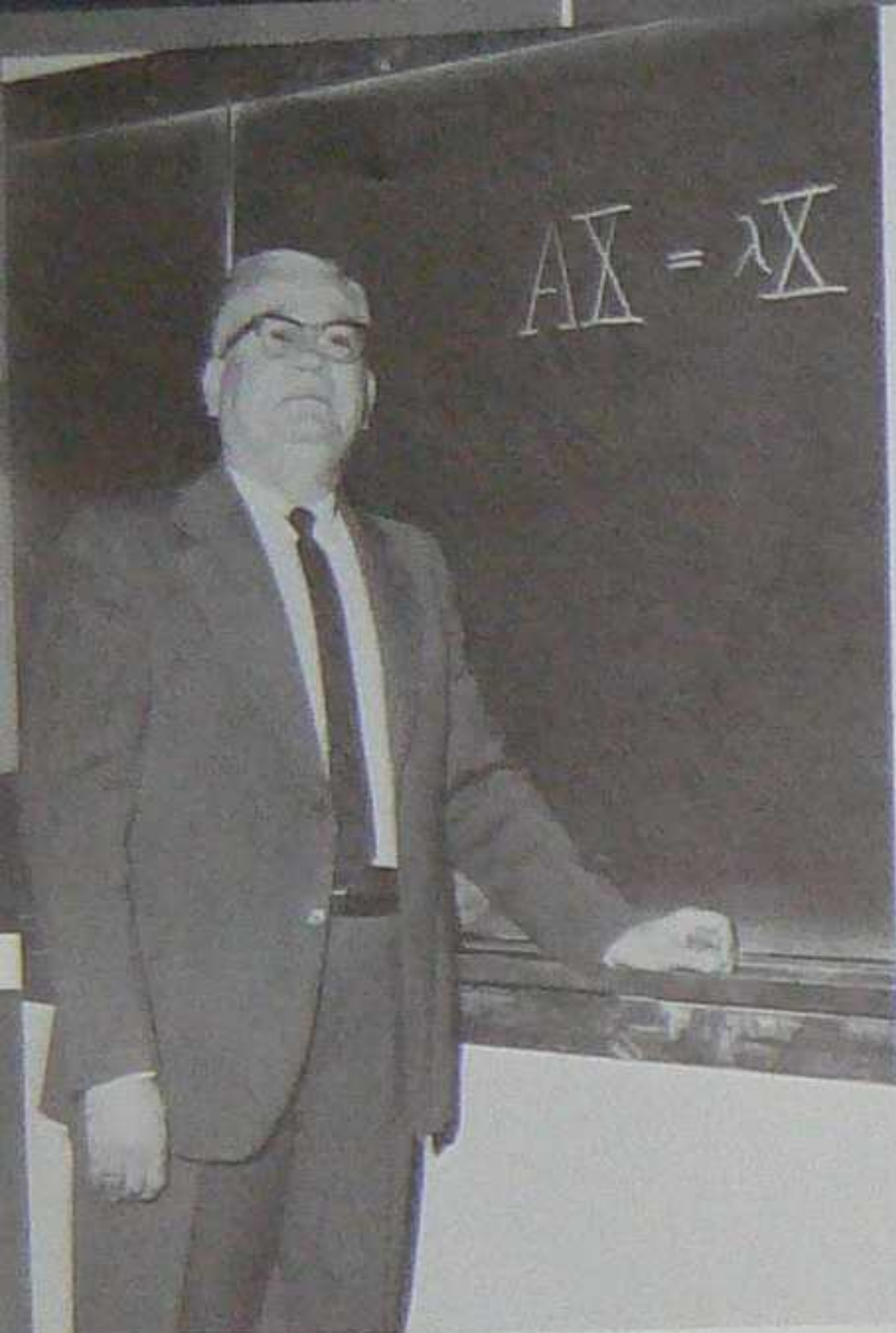
Raymond Jajala  
SENIOR  
Socorro, New Mexico  
chemistry club  
national science foundation  
undergraduate research



Bruce W. Gay  
GRADUATE  
Ludlow, Massachusetts

David A. Schwab  
GRADUATE  
Wrangell, Alaska



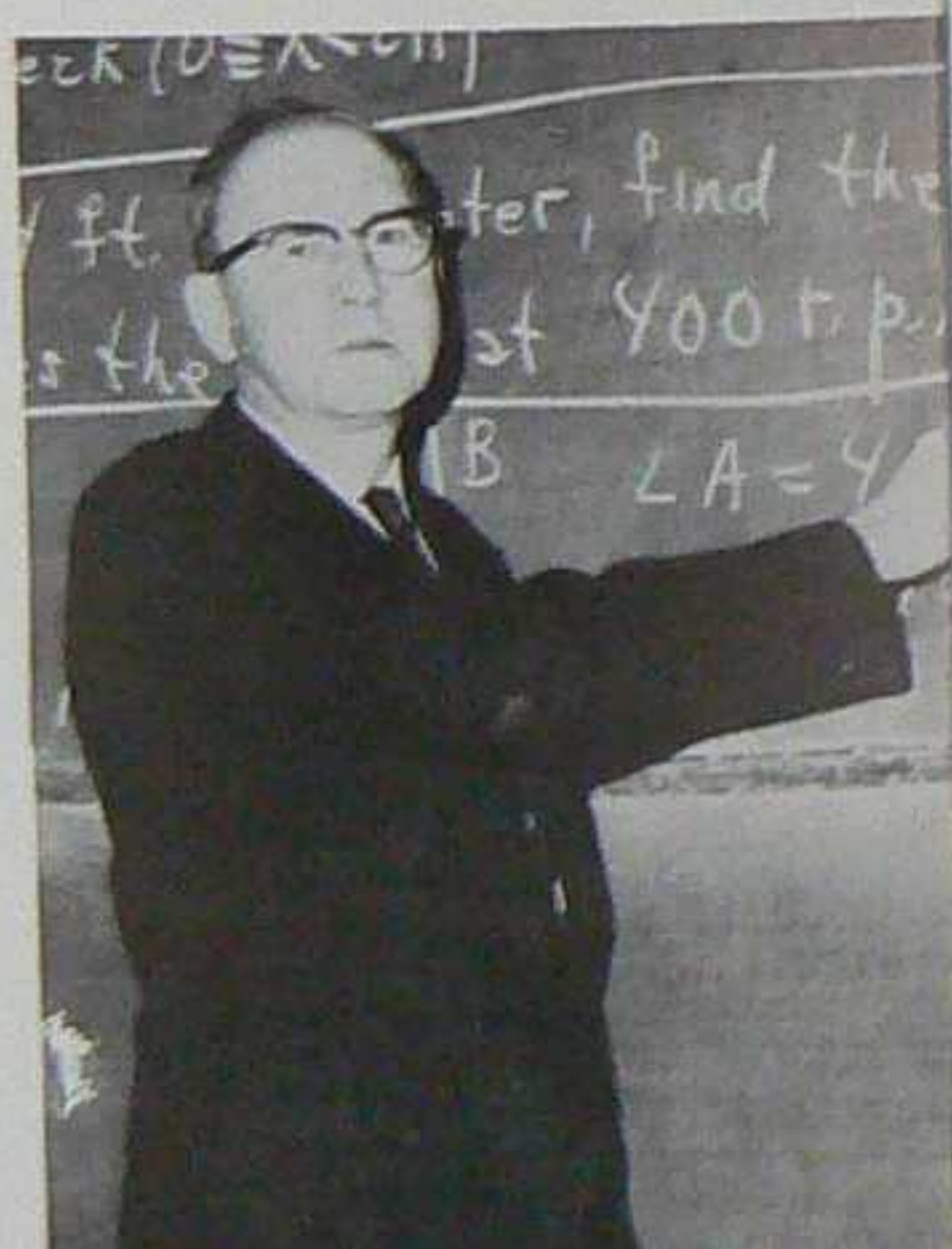


RAFAEL SANCHEZ-DIAZ  
1947  
Professor of Mathematics  
Head of the Department  
PhD UNIVERSITY of CALIFORNIA 1935

The mathematics department is the preparatory field of all the aspects of science. The theoretical ideas of all science are founded upon numerical systems and the translation of these systems into applicable solutions.

The department's aim is to present the fundamentals to each student in such a manner as to help the student to become more proficient in his own field or to help the mathematician himself understand the bases of the other fields.

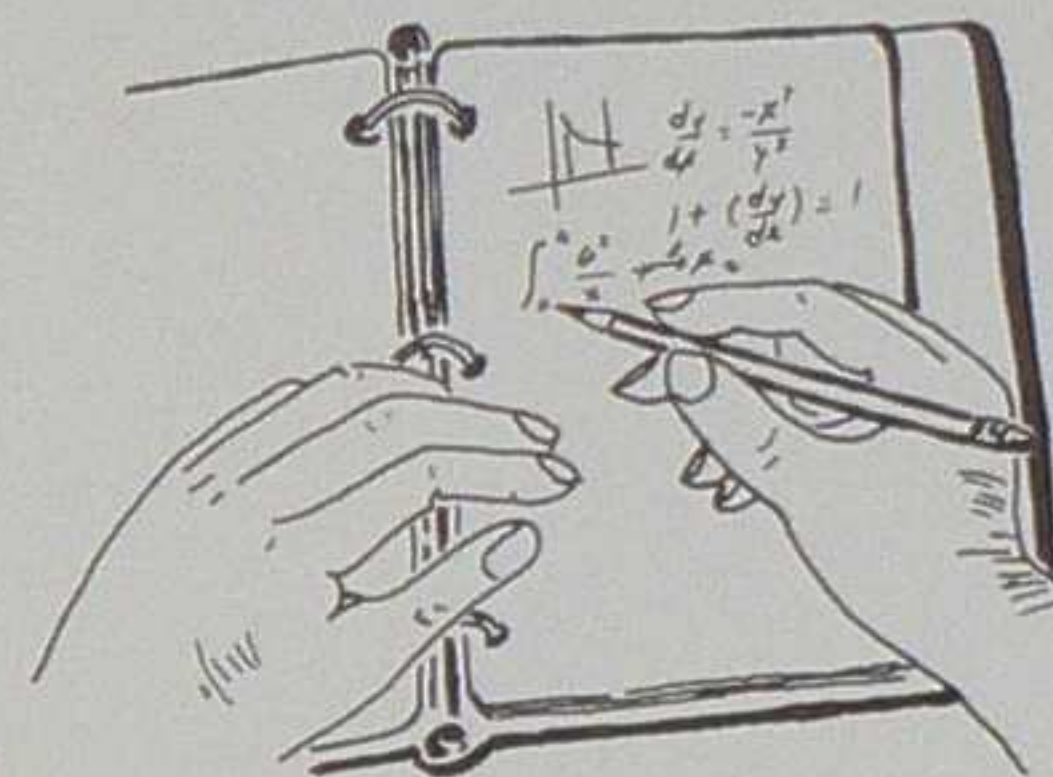
## MATHEMATICS



MARTIN S. FRIBERG  
1951  
Associate Professor of Mathematics  
PhD UNIVERSITY OF MINNESOTA 1946



CHARLES D. HARRIS  
1960  
Associate Professor of Mathematics  
Lecturer in Petroleum Engineering  
PhD CARNEGIE INSTITUTE OF  
TECHNOLOGY 1952



RALPH M. McGEHEE  
1962  
Associate Professor of Mathematics  
PhD NORTH CAROLINA STATE  
COLLEGE 1953







Donald W. Beaver  
 SENIOR  
 Denver, Colorado  
 student council sec-treas  
 senior class sec-treas  
 junior class president

O. Lawayne Eberhart  
 SENIOR  
 Roswell, New Mexico  
 intramurals  
 physics club  
 gym club

A. Dean Shriver  
 SENIOR  
 Hobbs, New Mexico  
 junior class sec-treas  
 el arrastre  
 drama club

Walter H. Vandevender  
 SENIOR  
 Memphis, Tennessee  
 intramurals



Charles L. Kirby  
 SENIOR  
 Croton-on-Hudson, New York  
 president senior class  
 vice-president junior class  
 president sophomore class

Melvin R. Scott  
 SENIOR  
 Silver City, New Mexico  
 president physics club  
 intramurals



Nelson E. Welch, Jr.  
 SENIOR  
 Deming, New Mexico  
 sec-treas student council  
 intramurals





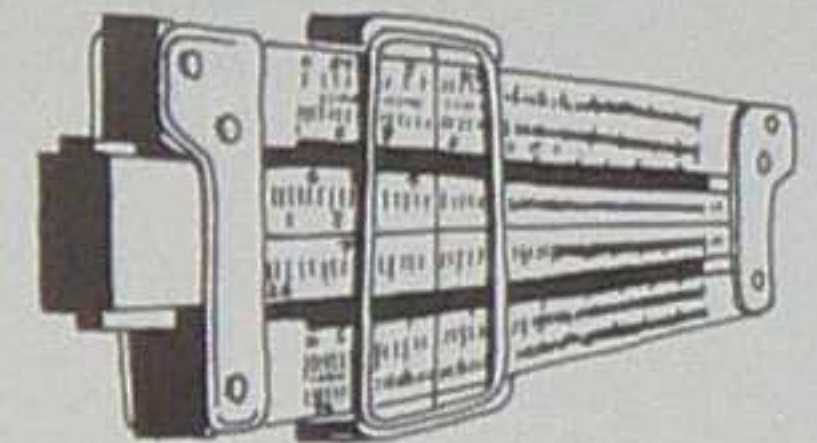
DAVID W. MITCHELL  
1962  
Professor of Mining & Metallurgy  
Head of the Department  
PhD UNIVERSITY OF CALIFORNIA 1947

The engineering department's primary concern is in preparing the student in the mining, metallurgy and petroleum fields. The mineral engineering student completes a rigorous curriculum in all fields of basic science, with emphasis on chemistry and physics, as well as studies in his own particular field.

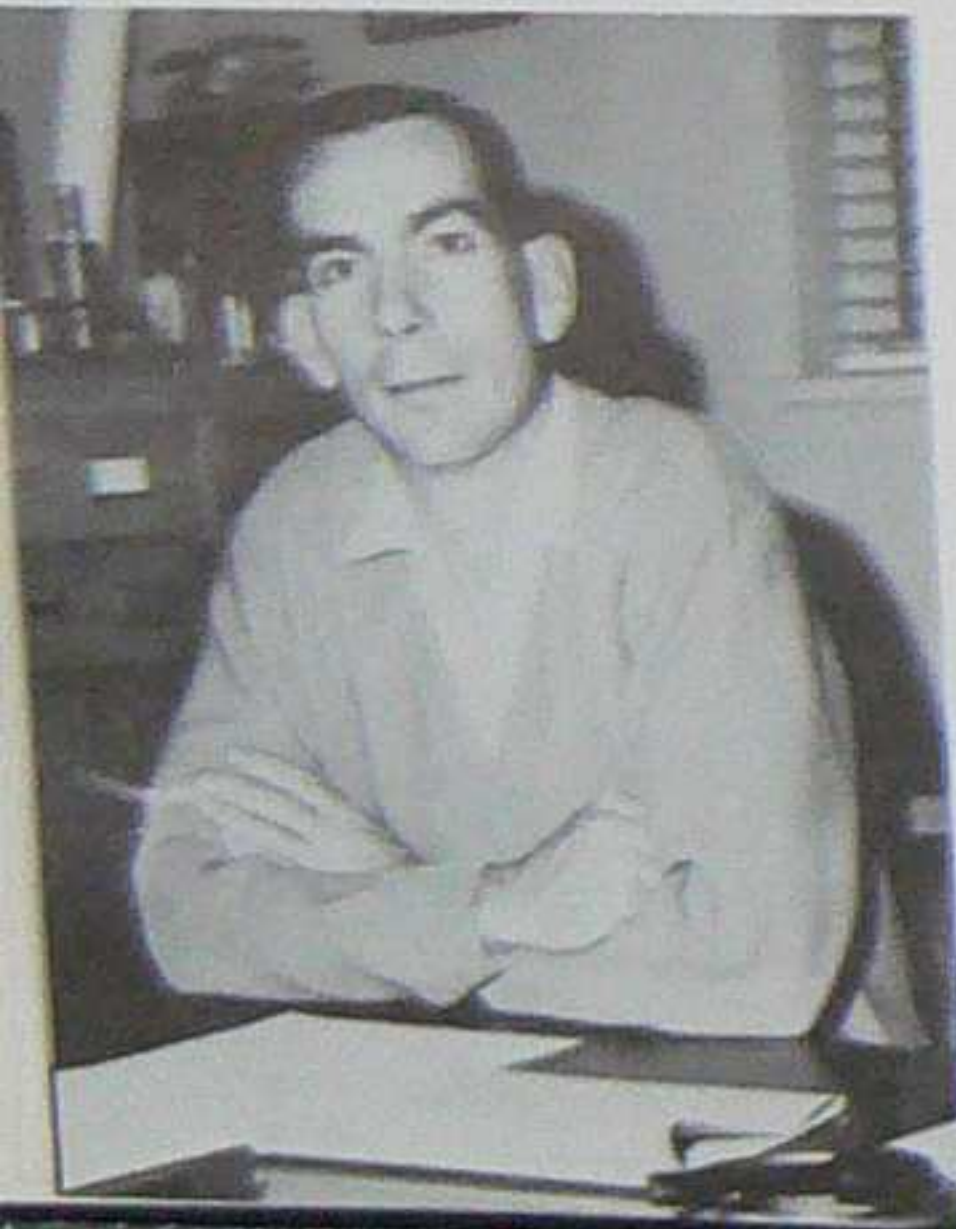
To complete the studies for a degree in one of the engineering fields the student is concerned with the mechanical and chemical phenomena of nature, as well as the development of his ability to solve problems quickly and efficiently.



LANGDON B. TAYLOR  
1954  
Professor of Petroleum Engineering  
Head of the Department  
MS MISSOURI SCHOOL of MINES 1951



## ENGINEERING



GEORGE B. GRISWOLD  
1957  
Associate Mining Engineer  
MS UNIVERSITY OF ARIZONA 1957

GEOFFREY PURCELL  
1961  
Associate Professor of  
Metallurgical Engineering  
PhD PENNSYLVANIA STATE UNIVERSITY 1961



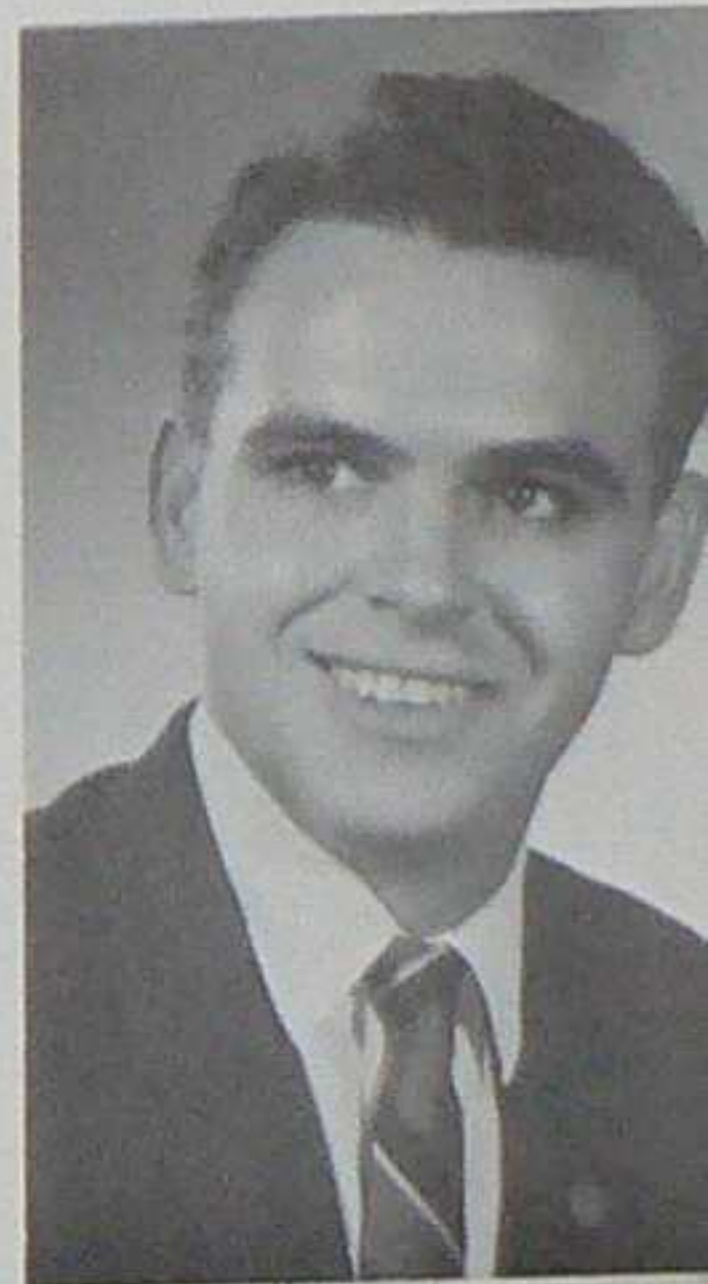
Ghodrat Ertefai  
SENIOR  
Ispahan, Iran  
president international club



Donald R. Hogan  
SENIOR  
Dorchester, Mass.  
president a.i.m.e.  
college program series



Alfred Klaar  
SENIOR  
Chicago, Illinois  
petroleum club  
a.i.m.e.







Chandulal P. Patel  
SENIOR  
Mbale, Uganda

*degree*

David A. Rice  
SENIOR  
Carlsbad, New Mexico

A.I.M.E.  
ASM



Hugh E. Woody  
SENIOR  
Newport News, Virginia  
cooney mining club,  
vice president  
student council representative  
petroleum club

David N. Zack  
SENIOR  
Atikokan, Canada  
junior class student council  
representative  
cooney mining club  
petroleum club



James Ron Williams  
SENIOR  
Lovington, New Mexico  
vice president petroleum club  
president petroleum club  
intramural representative

Richard A. Womack  
SENIOR  
Albuquerque, New Mexico  
aime

*m  
Kathleen  
Graham*

Rudolph H. Jacobson, Jr.  
GRADUATE  
Fort Worth, Texas  
aime  
cooney mining club

*M.S.  
degree*

Ronald J. Roman  
GRADUATE  
Irvington, New Jersey  
president aime  
intramurals

*M.S.  
degree*





MARVIN H. WILKENING  
1948

Professor of Physics and Geophysics  
Head of Department

PHD ILLINOIS INSTITUTE  
OF TECHNOLOGY 1949

The purpose of the physics department is to introduce the physical aspects of both the material and theoretical universe. The student learns about the transformation relationships of mass and energy and their applications.

The physics department has a two fold job, to train and prepare students for careers in physics and to introduce all other students to the fundamentals of the physical world.

## PHYSICS



MARX BROOK  
1954

Professor of Physics  
Senior Physicist

PHD UNIVERSITY OF CALIFORNIA 1953



LESLIE D. FALLON  
1961

Associate Professor of Physics  
PHD YALE UNIVERSITY 1939



FRANCIS HALL  
1961

Associate Hydrologist

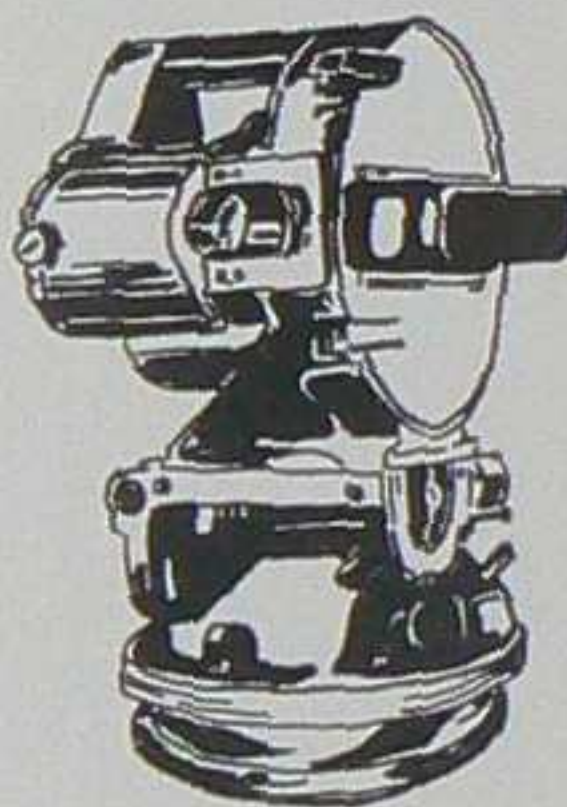
PHD STANFORD UNIVERSITY 1959



WILLIAM HUME  
1942

Professor of Physics

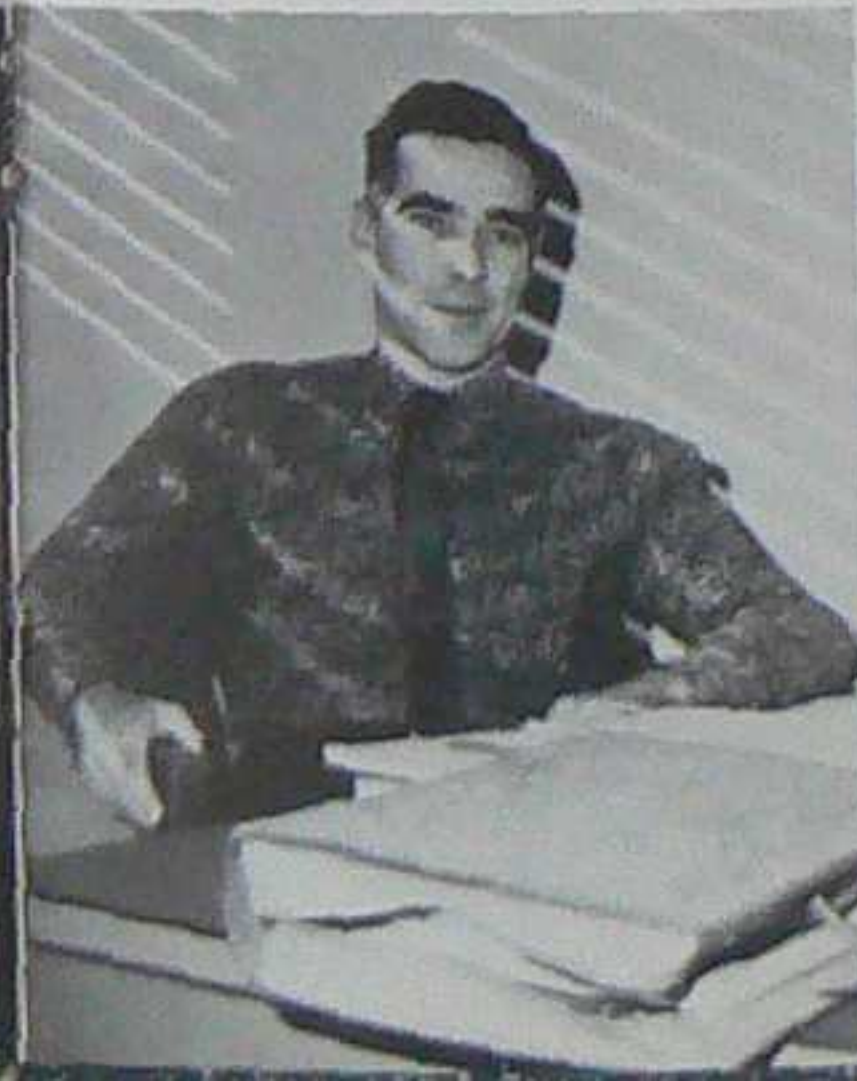
PHD JOHN HOPKINS UNIVERSITY 1934



CHARLES R. HOLMES  
1949

Associate Professor of Geophysics  
Senior Geophysicist

PHD PENNSYLVANIA STATE  
UNIVERSITY 1957



ROSS LOMANITZ  
1962

Assistant Professor of Physics  
Associate Physicist

PHD CORNELL UNIVERSITY 1950



ALLEN SANFORD  
1957

Associate Geophysicist and  
Assistant Professor of Geophysicist  
PHD CALIFORNIA INSTITUTE of  
TECHNOLOGY 1957



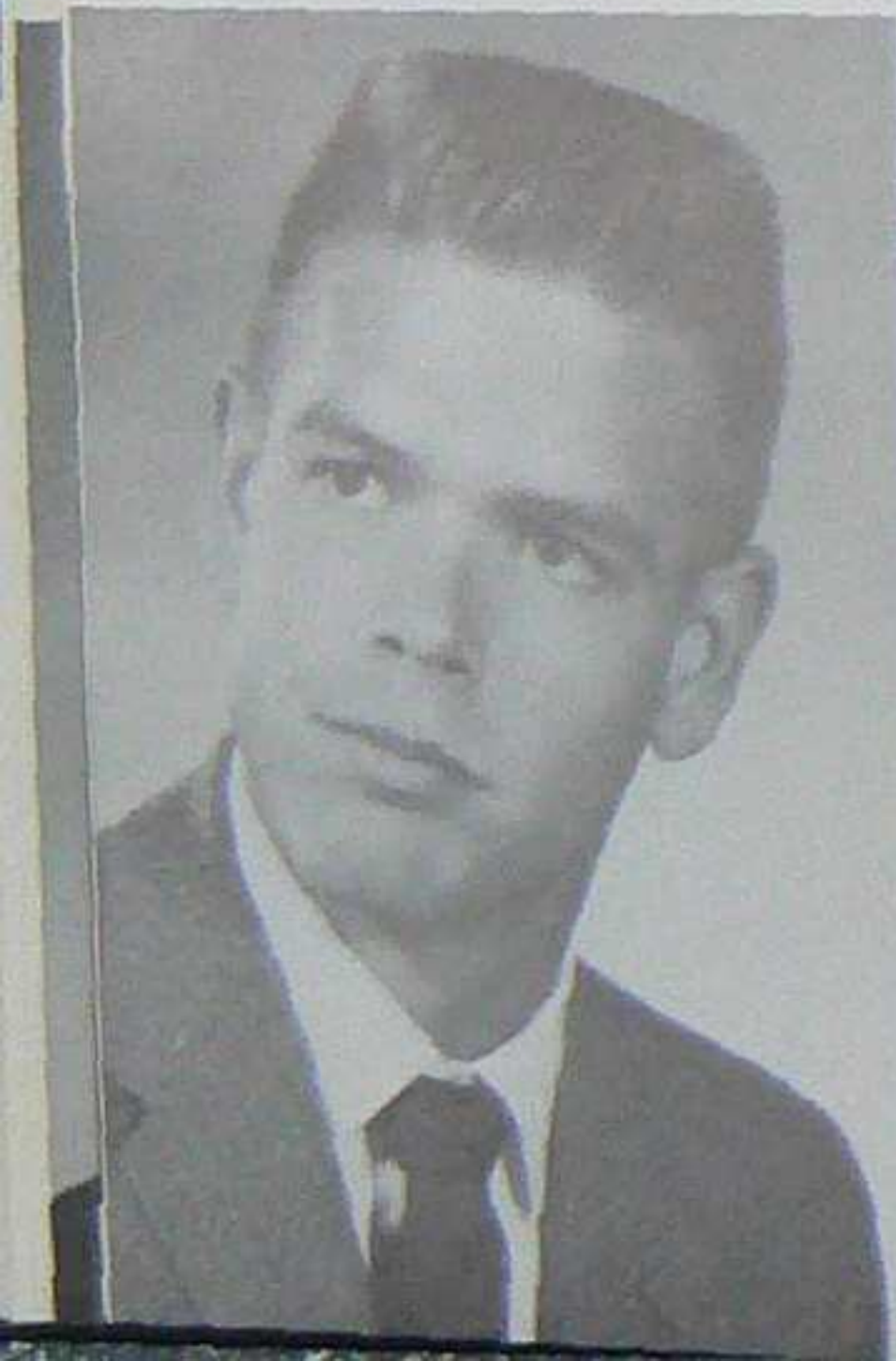


Eric L. Berg  
 SENIOR  
 Alamogordo, New Mexico  
 student body president  
 student body vice president  
 sophomore class president

Ronald P. Fortune  
 SENIOR  
 Moriarity, N.M.  
 intramurals  
 gym club

Marc L. Bockel  
 GRADUATE  
 Remiremont Vooges, France

Ara G. Carapetian  
 GRADUATE  
 Teheran, Iran



Robert E. Landoll, Jr.  
 SENIOR  
 Gallup, New Mexico  
 student council vice president  
 student publications board

Alvin KaSun Yee  
 SENIOR  
 Hong Kong, China



Nathan Columbus  
 GRADUATE  
 Tel-Aviv, Israel  
 student council representative

Charles M. Fullerton  
 GRADUATE  
 Albuquerque, New Mexico  
 graduate club, president  
 student council







John C. Halepaska  
GRADUATE  
Victoria, Texas

Reiner G. Haubold  
GRADUATE  
Thessaloniki

Vivian Lan-Shiuh Kan  
GRADUATE  
Shanghai, China

Don J. Latham  
GRADUATE  
Capistrano Beach, California  
graduate club



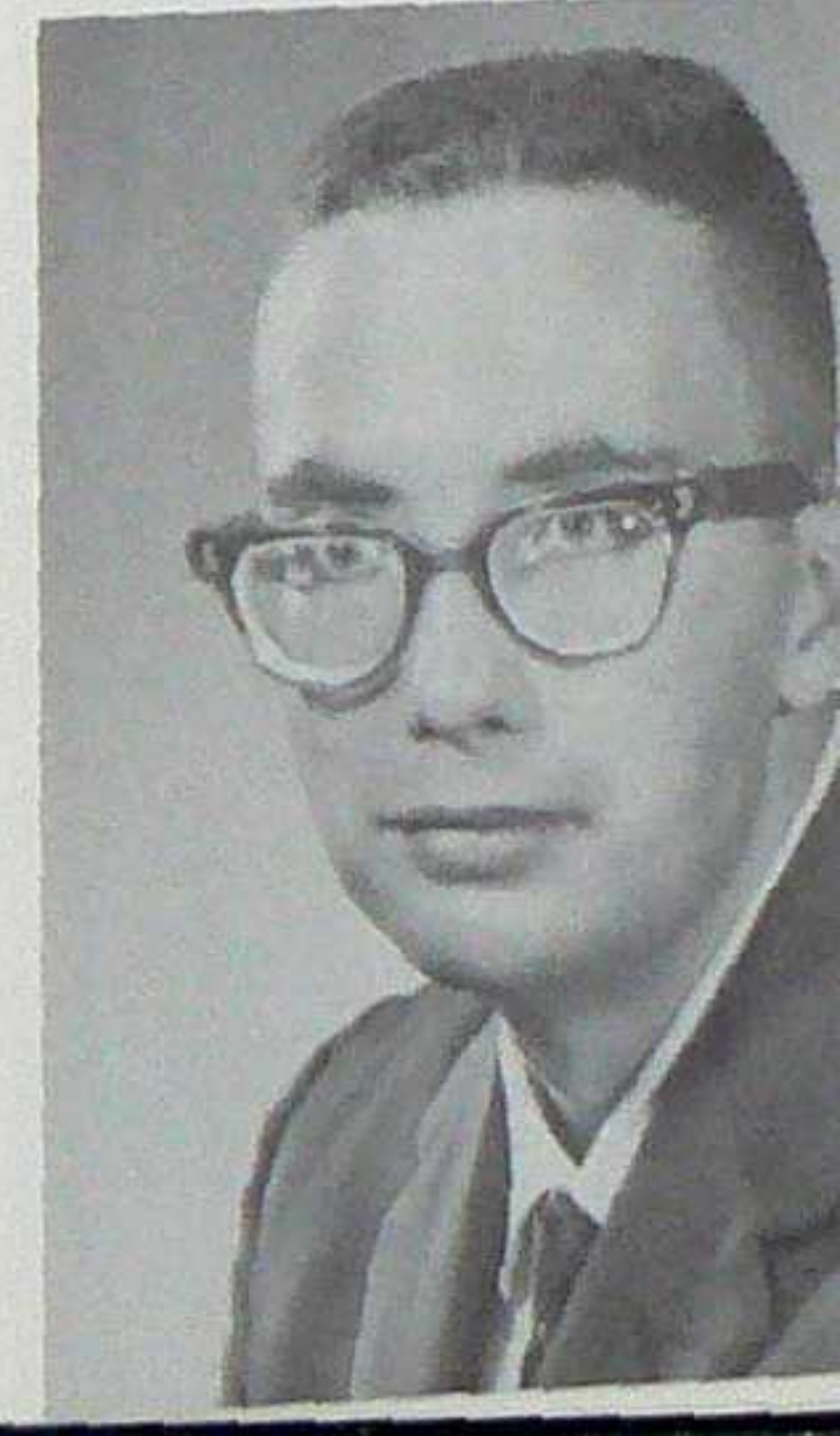
*MS 10/10*  
Gary N. Jarvela  
GRADUATE  
Ashtabula, Ohio  
graduate club vice president

*MS 10/10*  
John W. Joyner  
GRADUATE  
Socorro, New Mexico



Leland T. Long  
GRADUATE  
Auburn, New York  
graduate club

*MS 10/10*  
Roy A. McCrory  
GRADUATE  
Berkeley, California



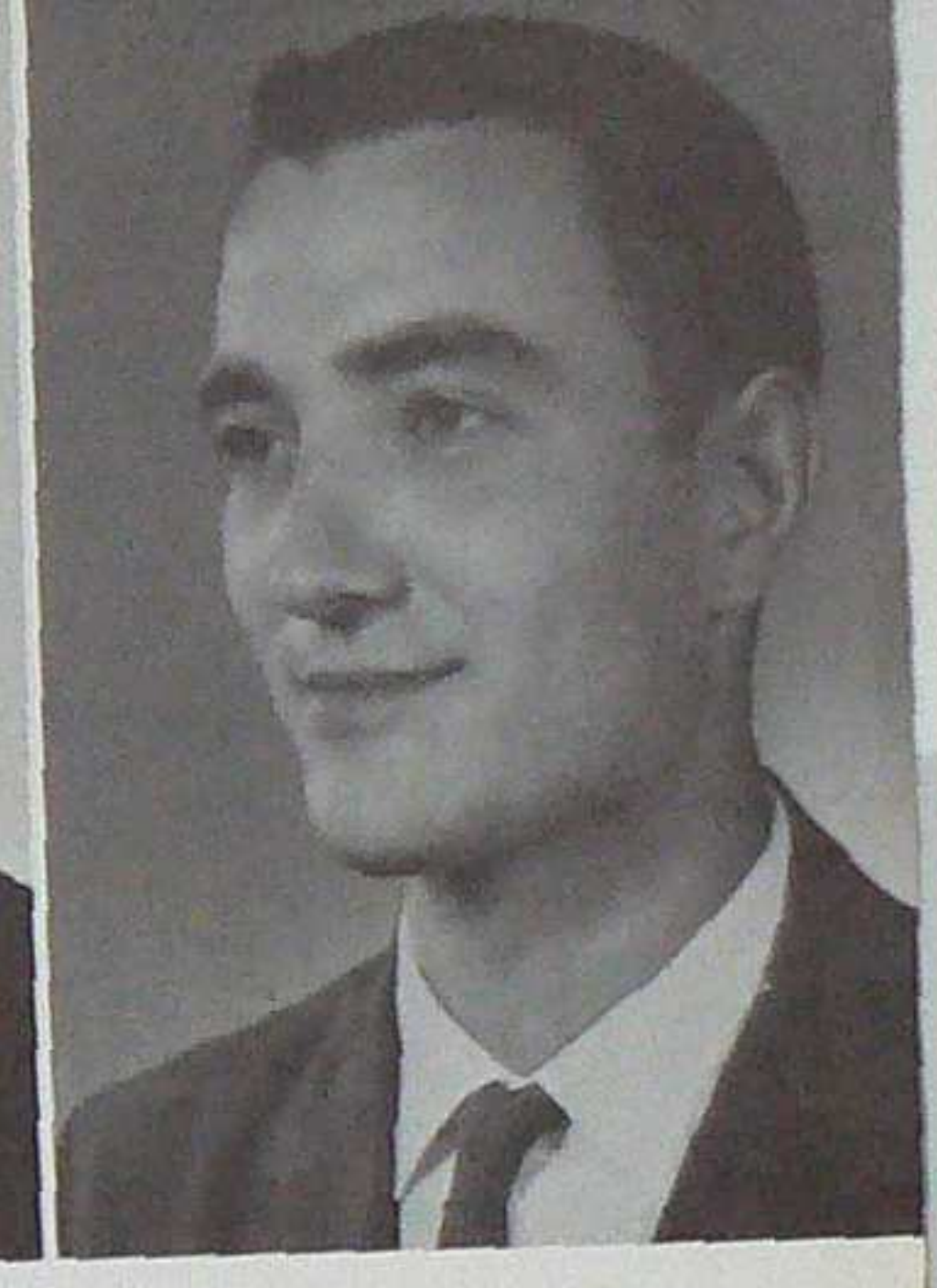




Miquel A. Marino  
GRADUATE  
Cienfuegos, Cuba

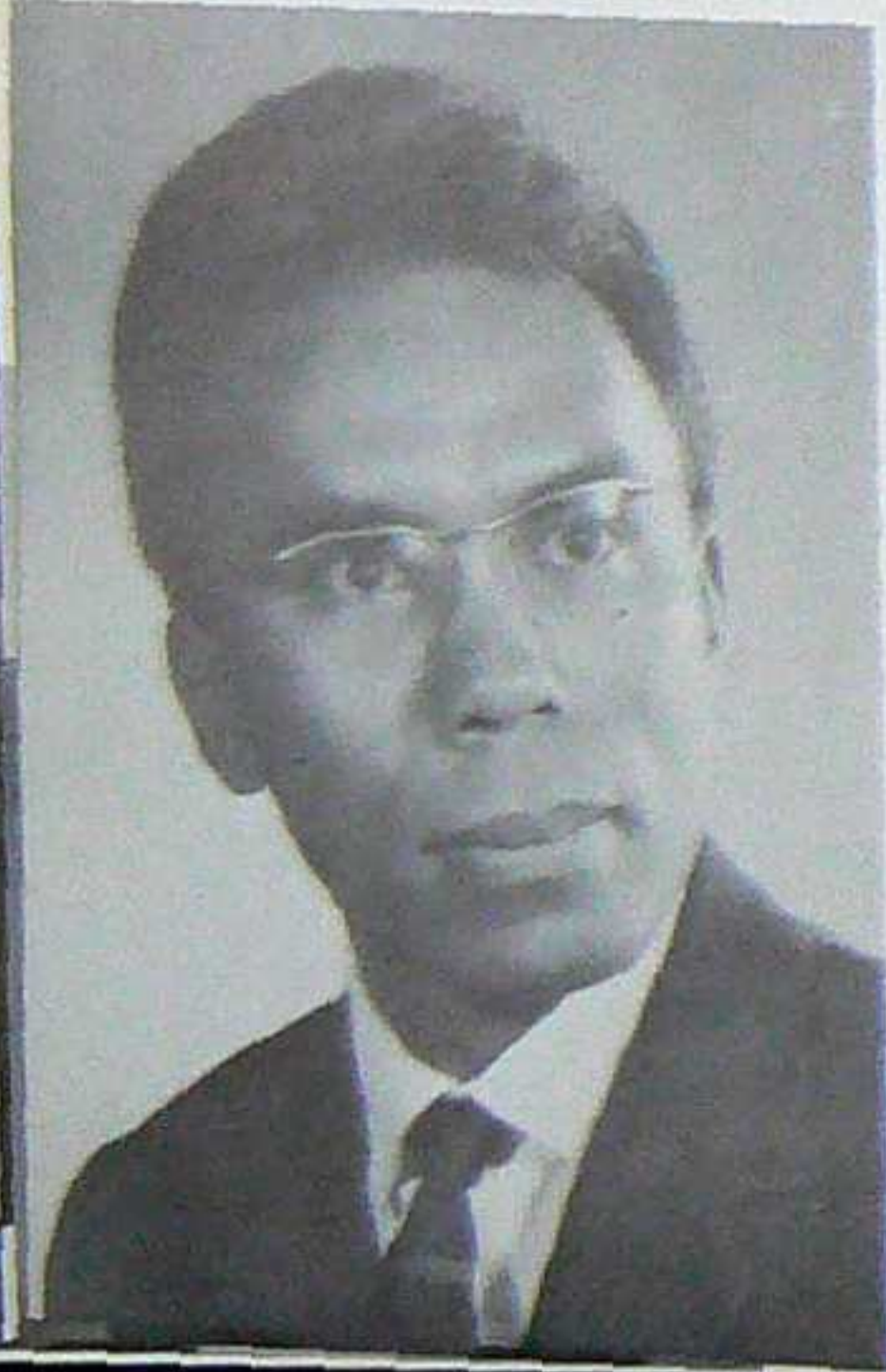
Royce W. Olsen  
GRADUATE  
Logan, Utah

*MS degree 1965*



Ron Stanley  
GRADUATE  
Dublin, Ireland

Adrian P. Visocky  
GRADUATE  
Altoona, Pennsylvania



Ramanantsoa Ramanantoandro  
GRADUATE  
Tananarive, Madagascar

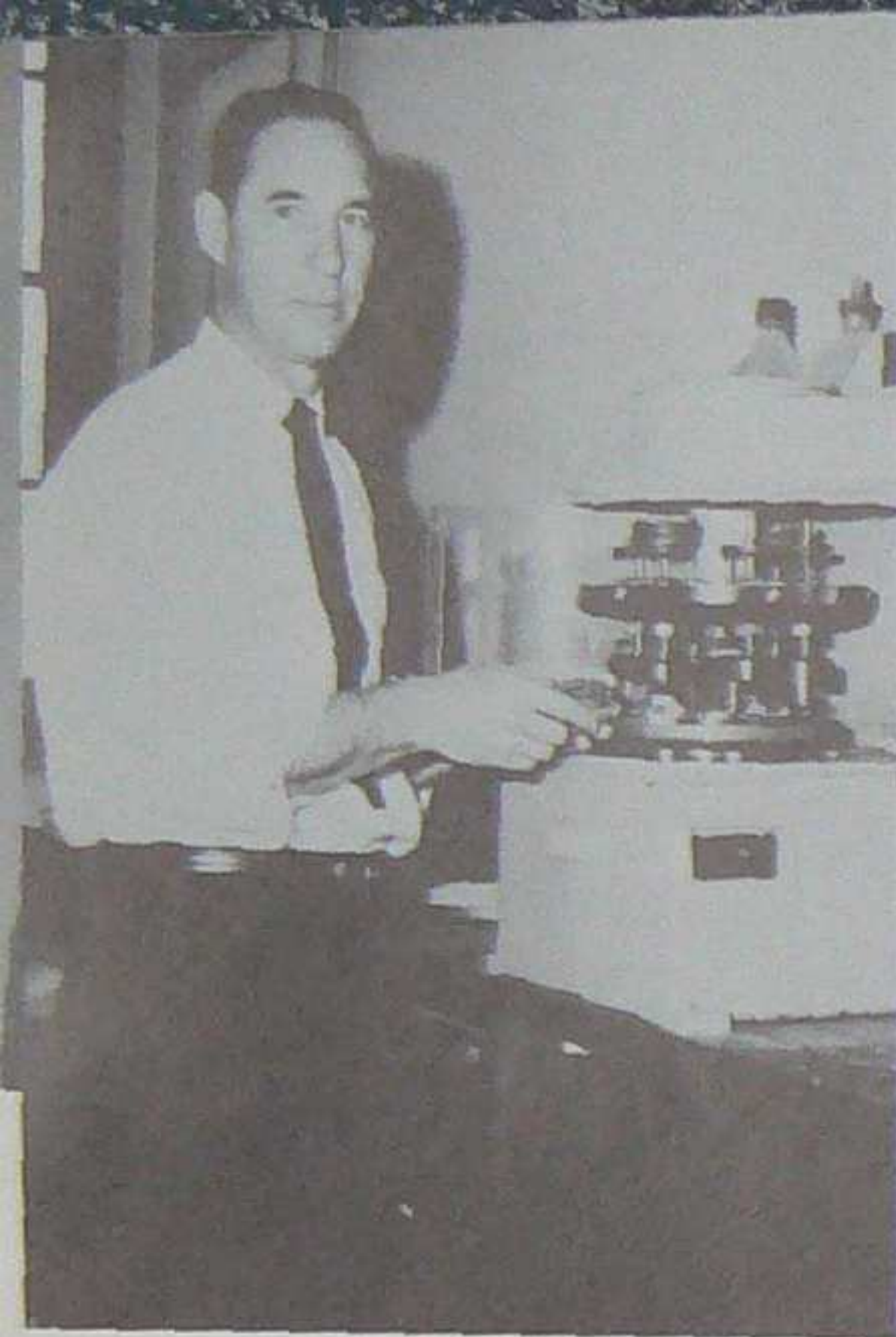
Ravula S. Reddy  
GRADUATE  
Dharamsagar, India



Dennis E. Williams  
GRADUATE  
Claremont, California

*MS degree 1965*





CLAY T. SMITH  
1947

Professor Of Geology  
Head of the Department

PHD CALIFORNIA INSTITUTE OF  
TECHNOLOGY 1947

The geology department introduces the student to the study of the constitution, structure and history of the earth. The geology student finishes his course of studies with a working knowledge in the many aspects of the mineral sciences. Increasing diversification has led to specializations such as petroleum geology, mining geology, and even less related fields as geophysics and geochemistry.

## GEOLOGY



CHRISTINA L. BALK  
1954

Professor of Geology

PHD JOHN HOPKINS  
UNIVERSITY 1933

ANTONIUS J. BUDDING  
1956

Assistant Professor of Geology

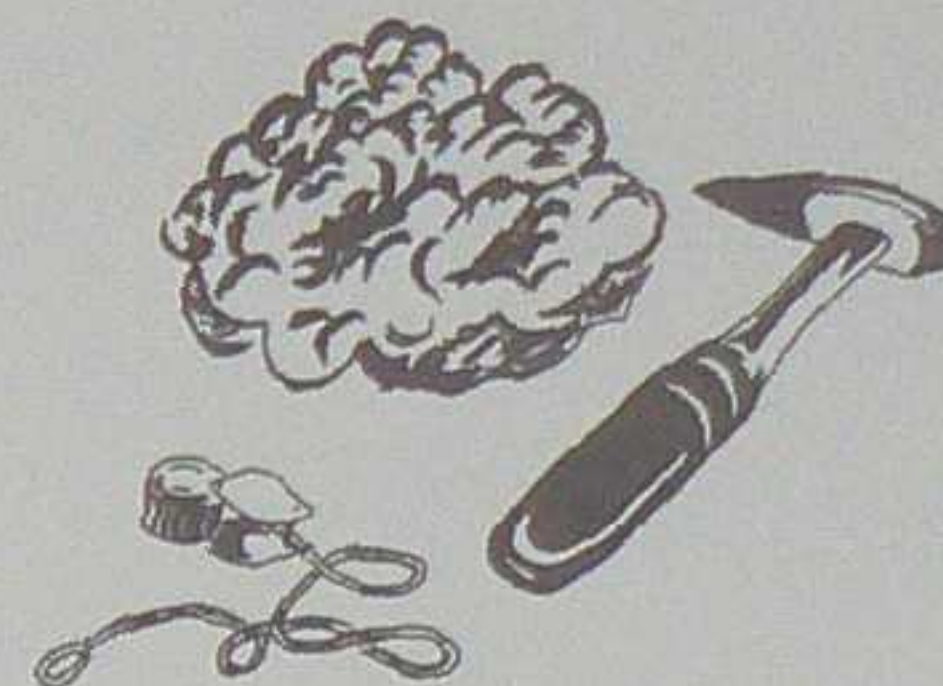
PHD UNIVERSITY OF  
AMSTERDAM 1951

[ 48 ]



Henry G. Justus  
SENIOR  
Brooklyn, New York

vice president senior class  
vice president geology club  
cooney mining club



*MS degree 1955*  
Kenneth A. Grace  
GRADUATE  
Cape Town, South Africa  
president graduate club



*MS degree 1955*  
Thomas I. Poe, III  
GRADUATE  
Luling, Texas  
president geology club  
sec-treas graduate club

[ 49 ]





CLAY T. SMITH  
1947

Professor Of Geology  
Head of the Department

PHD CALIFORNIA INSTITUTE OF  
TECHNOLOGY 1947

The geology department introduces the student to the study of the constitution, structure and history of the earth. The geology student finishes his course of studies with a working knowledge in the many aspects of the mineral sciences. Increasing diversification has led to specializations such as petroleum geology, mining geology, and even less related fields as geophysics and geochemistry.

## GEOLOGY



CHRISTINA L. BALK  
1954

Professor of Geology

PHD JOHN HOPKINS  
UNIVERSITY 1933

ANTONIUS J. BUDDING  
1956

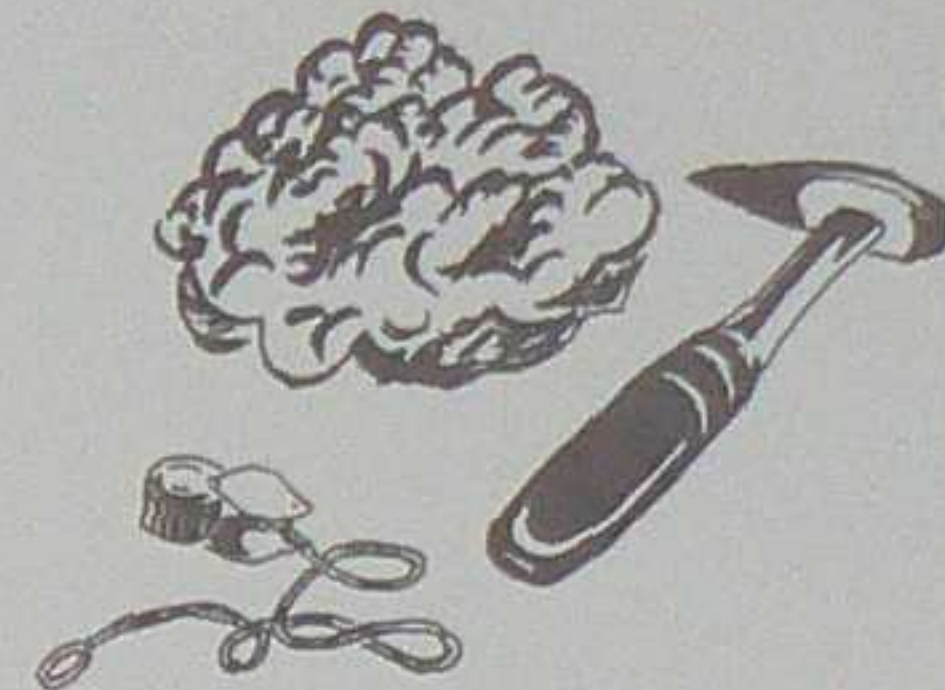
Assistant Professor of Geology

PHD UNIVERSITY OF  
AMSTERDAM 1951



Henry G. Justus  
SENIOR  
Brooklyn, New York

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vice president geology club  
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*MS degree 1955*  
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Cape Town, South Africa  
president graduate club



*MS degree 1955*  
Thomas I. Poe, III  
GRADUATE  
Luling, Texas  
president geology club  
sec-treas graduate club





Angel G. Rojas  
GRADUATE  
Tacna, Peru



Fernando V. H. Santos  
GRADUATE  
Lisbon, Portugal

Dominador C. Uy  
GRADUATE  
Cebu City, Philippines



## EDUCATION



JAMES H. McELHANEY  
1963  
*Director of Student Affairs  
and Admissions*  
PHD OHIO STATE UNIVERSITY  
1959



CHARLES SHEEHAN  
1963  
*Assistant Director of  
Student affairs*  
MA WEST VIRGINIA  
UNIVERSITY 1962

## BIOLOGY



F. CLIFFORD JOHNSON  
1962  
*Assistant Professor of  
Biology*  
PHD UNIVERSITY OF TEXAS  
1960





HOWARD E. SYLVESTER  
1949

Professor of Humanities  
Head of the Department

PhD UNIVERSITY of WASHINGTON 1954

The humanities department provides the basis for the understanding of the student's specialty in relation to other areas of intellectual activity.

Through an acquaintance with literature, history and the arts, the student can develop an understanding both of himself in relation to the rest of the world and of his own discipline in relation to other disciplines.

The department's job is a difficult one since it must introduce the student to all the major humanistic disciplines and provide the impetus for the student to make deeper explorations into those disciplines of his own time.

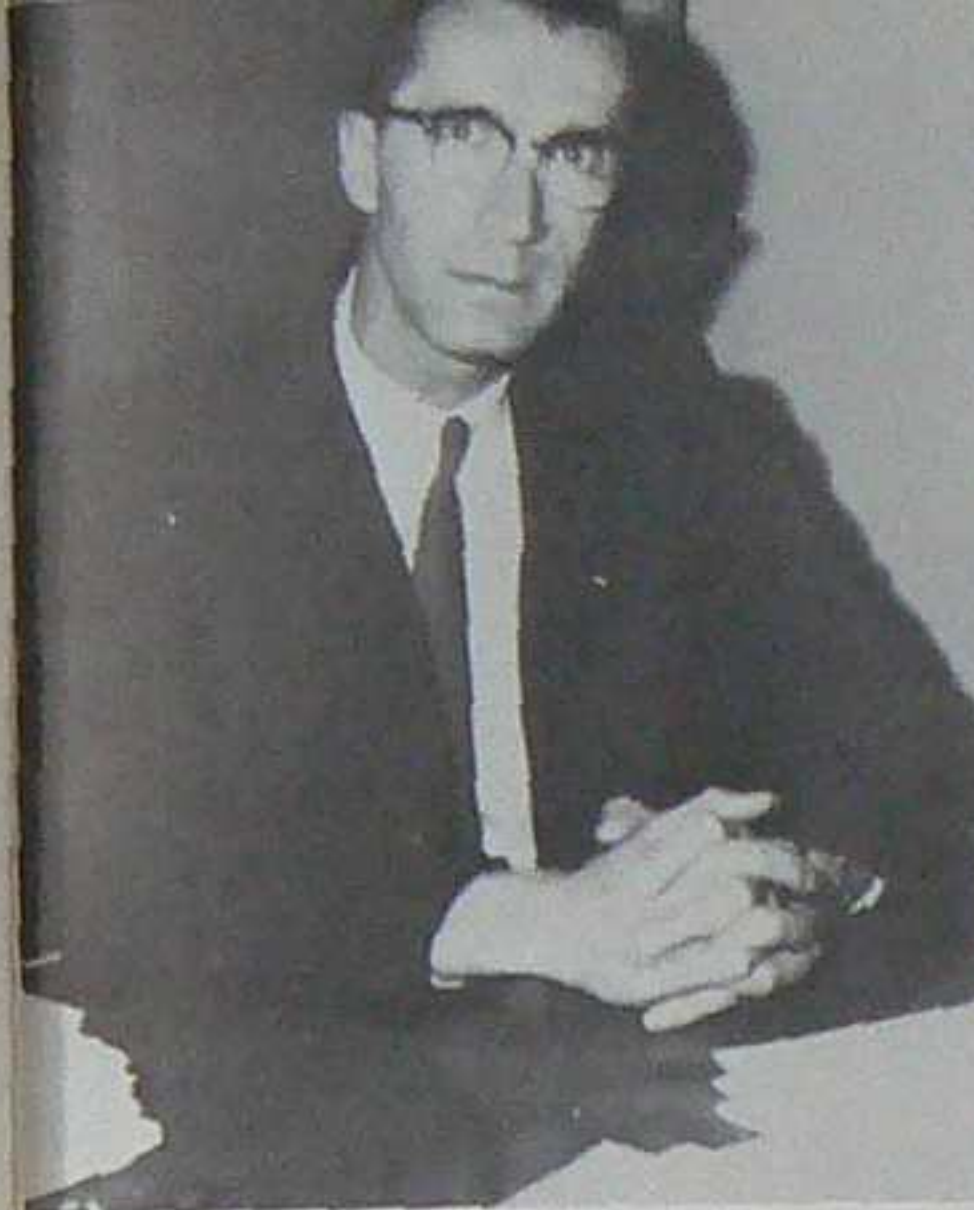
## HUMANITIES



PAIGE W. CHRISTIANSEN  
1959  
Assistant Professor of Humanities  
PhD UNIVERSITY of CALIFORNIA  
1959

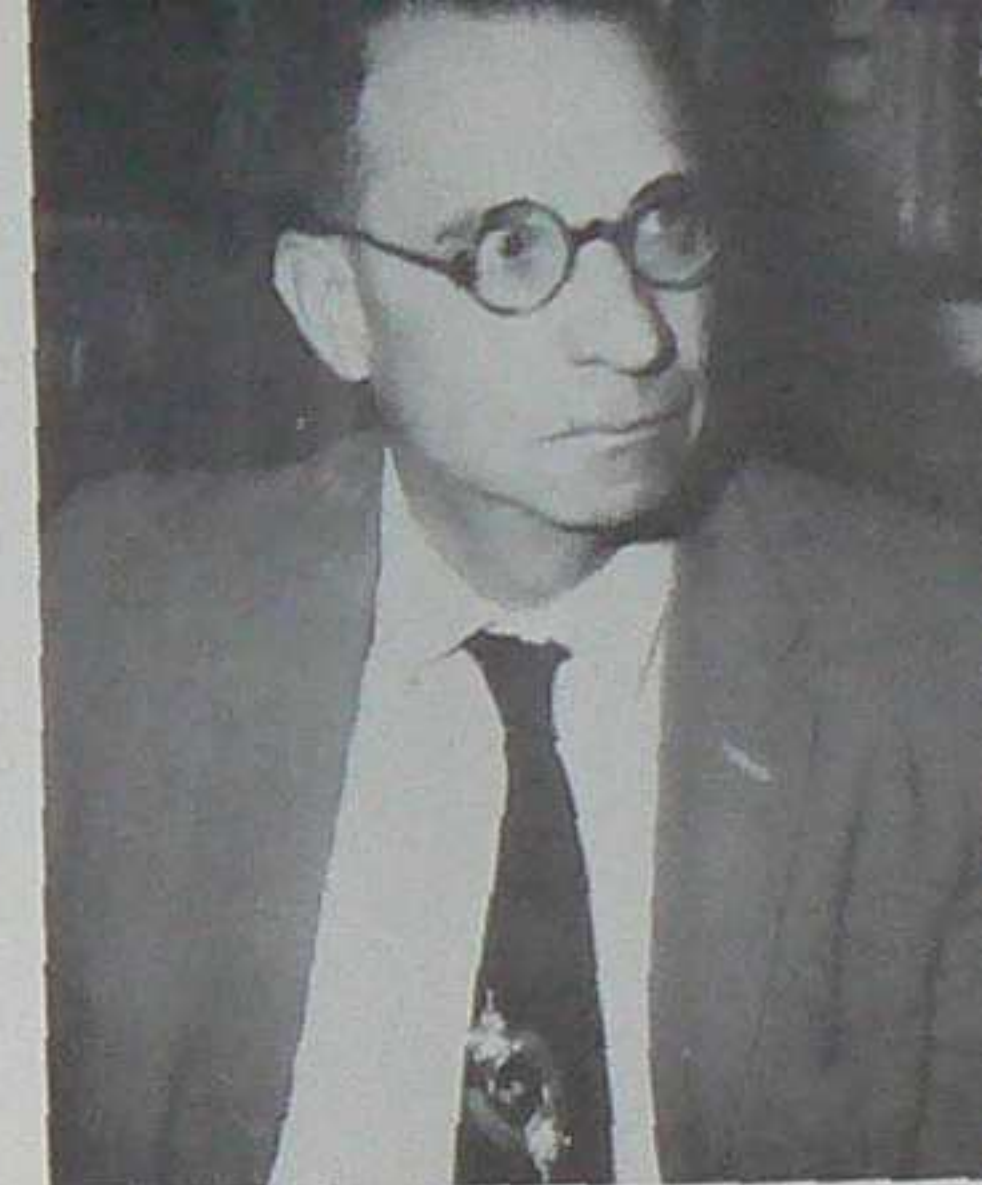
JOHN D. MCKEE  
1959  
Assistant Professor of Humanities  
PhD UNIVERSITY OF NEW  
MEXICO 1958

[ 52 ]



LOUIS C. SCHAEGLER  
1963  
Assistant Professor of Humanities  
BS NEW MEXICO WESTERN  
1950

W. MARTIN SPEARE  
1936  
Assistant Professor of Spanish  
BS NEW MEXICO INST. MIN. &  
TECH. 1931



## PHYSICAL EDUCATION



HAROLD P. WELLS  
1958  
Associate Professor of  
Physical Education  
Head of the Department  
PhD UNIVERSITY OF  
ILLINOIS 1958

JAMES P. McGETTIGAN  
1959  
Instructor of Physical Education  
BS SPRINGFIELD COLLEGE 1959

[ 53 ]





# PROGRESS THROUGH YOUTH





# JUNIORS



Brown Hall  
Administrative Building

WELDON W. BETTS  
Milnesand, New Mexico  
Chemistry



HUA TIN GOH  
Miri, Sarawak  
Chemistry



JERRY W. HALL  
Farmington, New Mexico  
Metallurgical Engineering



ROBERT CECIL BROWNLIE  
St. Louis, Missouri  
Geology

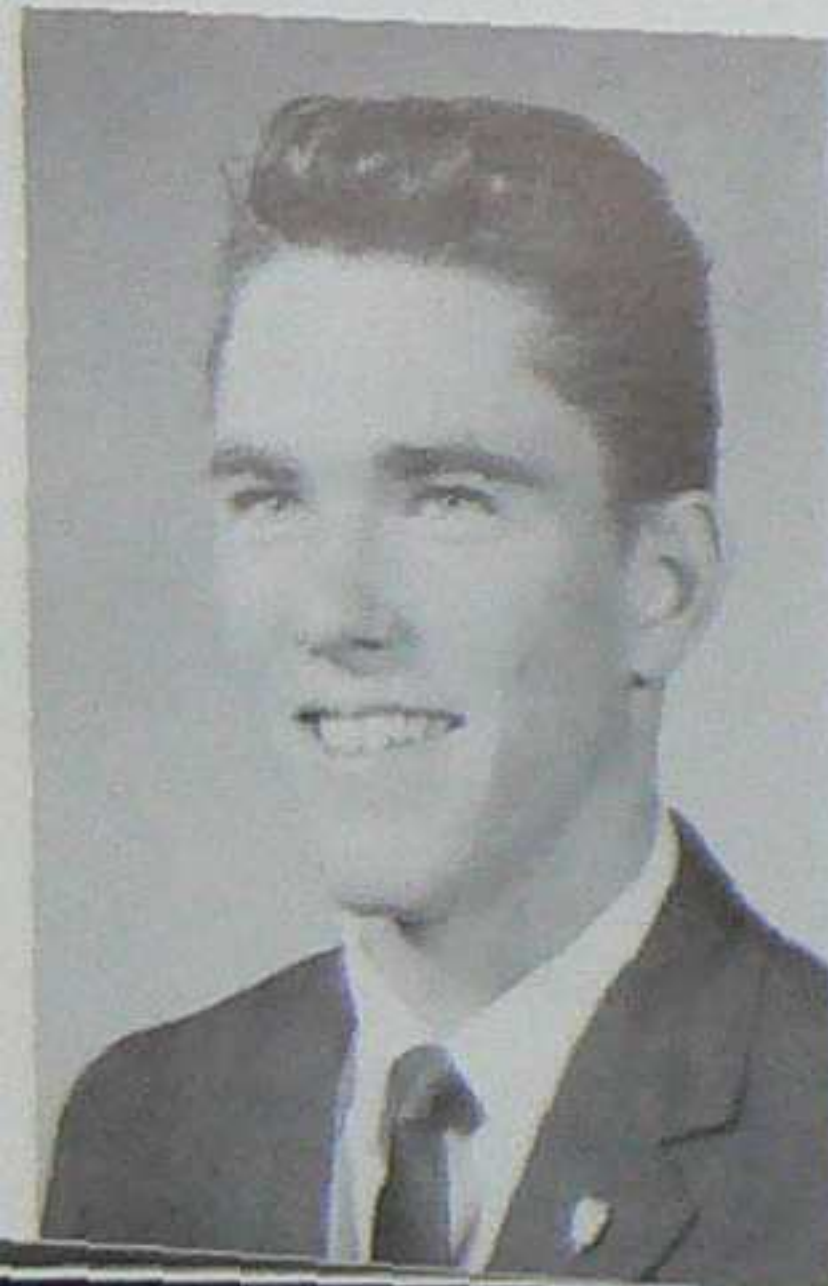
FRANK DAVIS CARSEY  
Farmington, New Mexico  
Physics



DAVID LeROY HAUPT  
Socorro, New Mexico  
Geology

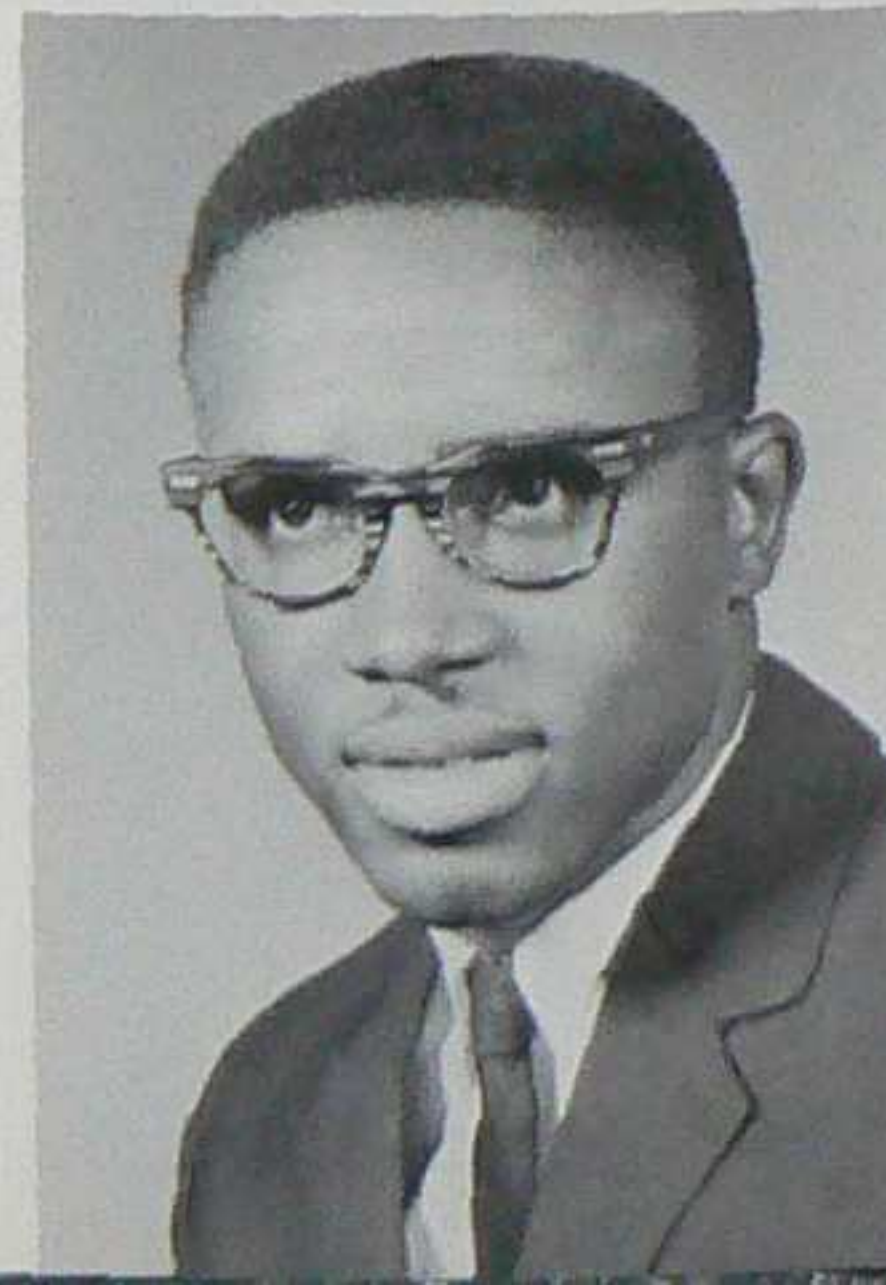


GEORGE E. HOWARD  
Lovington, New Mexico  
Mathematics



ELLIS B. ERRETT  
Cortez, Colorado  
Chemistry

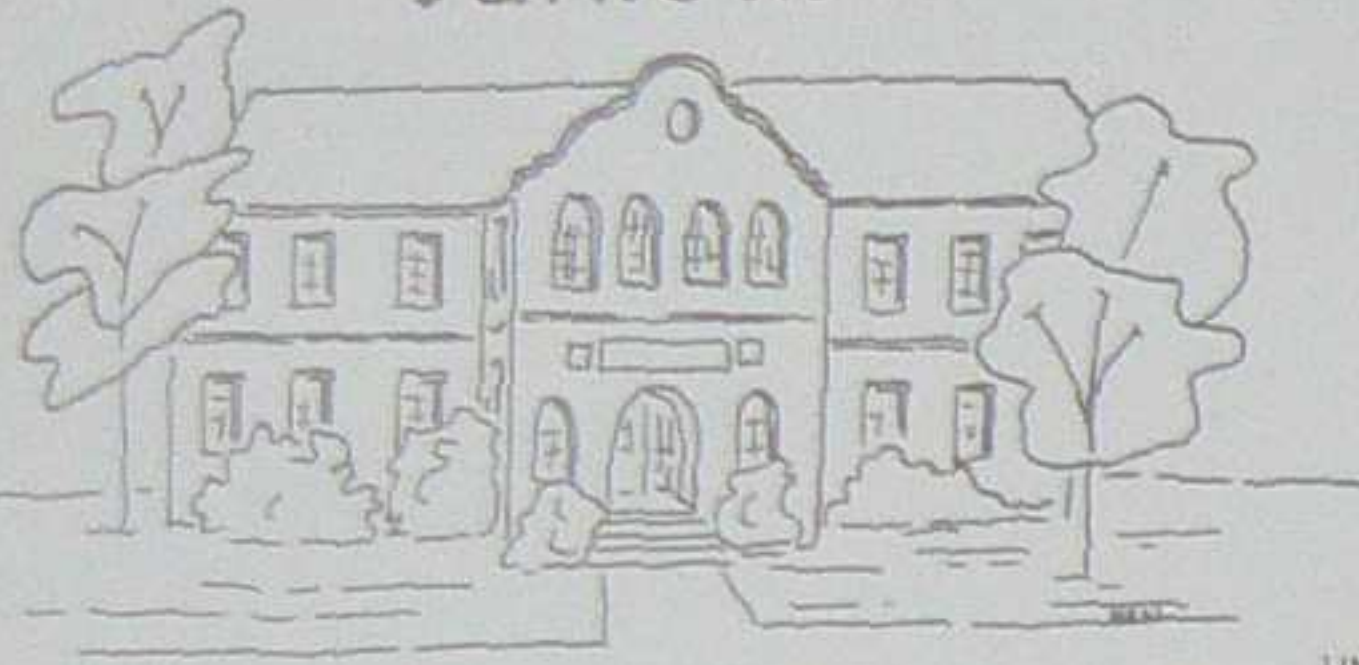
CLYDE R. GARVER  
Alamogordo, New Mexico  
Basic Sciences



LEON JACKSON  
Hobbs, New Mexico  
Basic Sciences



# JUNIORS



Science Hall

LINDA DARLENE JONES  
Albuquerque, New Mexico  
Mathematics



FRANKLIN J. MONTONATI  
Durango, Colorado  
Mining Engineering



STANLEY JOHN PATCHET  
Buena Park, California  
Mining Engineering



WILLIAM D. KLEIN  
Albuquerque, New Mexico  
Mathematics



BUR MARAS  
Palembang, Indonesia  
Petroleum Engineering



RALPH F. PENA  
Ft. Sumner, New Mexico  
Metallurgical Engineering



DOV D. RABINOWITZ  
Rishon Le Zion, Israel



LONNIE MARTIN  
Eunice, New Mexico  
Physics



DAVID J. MENDEZ  
Beverly, Massachusetts  
Physics



FREDDIE SANDERS  
Belén, New Mexico  
Mathematics



# JUNIORS



Weir Hall

MOEHAMMAD SANDOES  
Medan, Indonesia  
Geology



VERGIL L. WESLEY  
Hobbs, New Mexico  
Physics



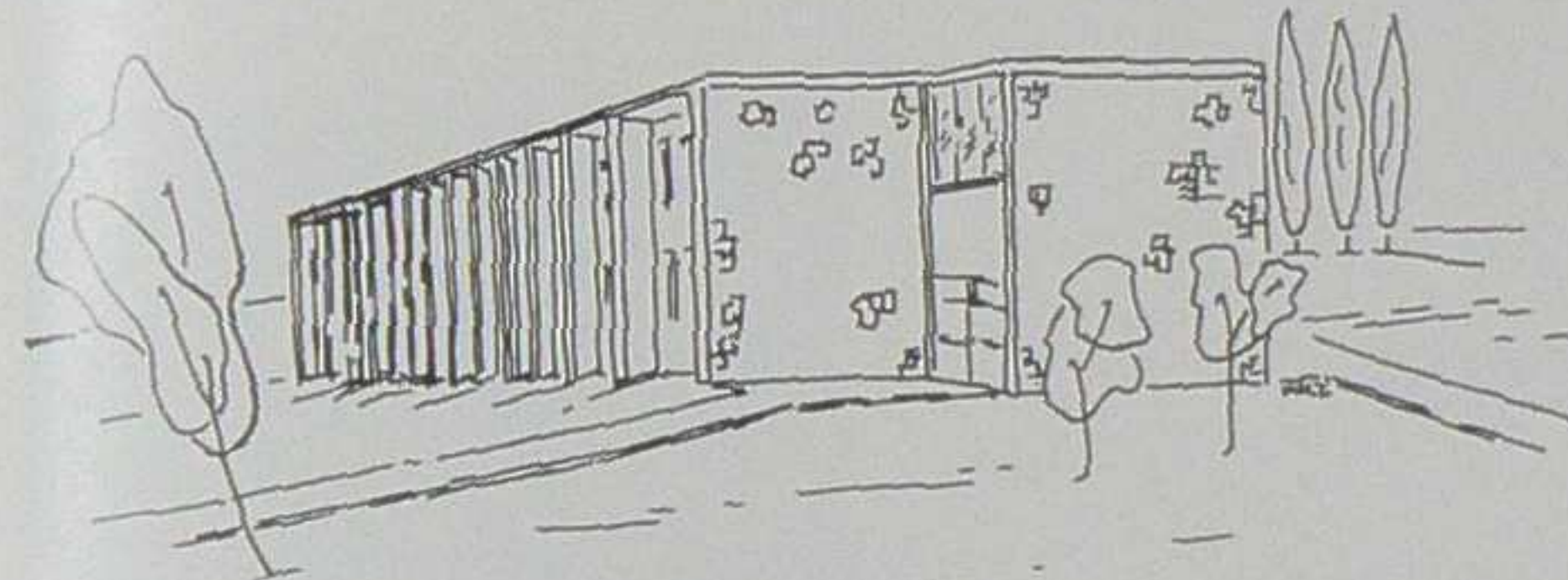
ROLAND H. WILLIAMS  
 Lordsburg, New Mexico  
Chemistry



GARY DEAN SOWER  
Farmington, New Mexico  
Physics



SHARLA G. VANDEVENDER  
Molise, New Mexico  
Mathematics



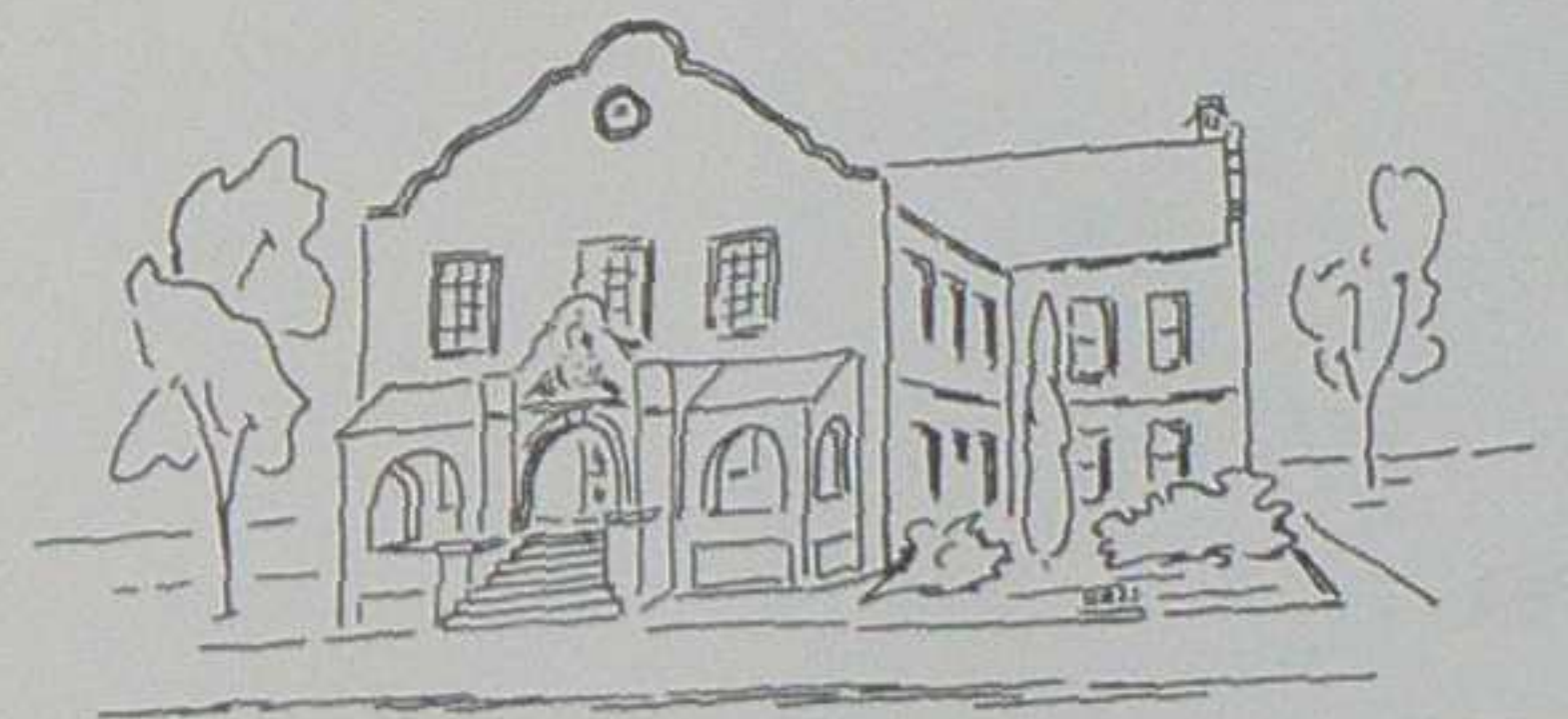
West Hall  
Men's Residence



ETTA FRANCES WALKER  
Houston, Texas  
Physics



ROBERT A. WIESNER  
Oxford, Maine  
Mathematics



President's Hall  
Men's Residence





Celdon Aragon  
Las Lunas, N. M.

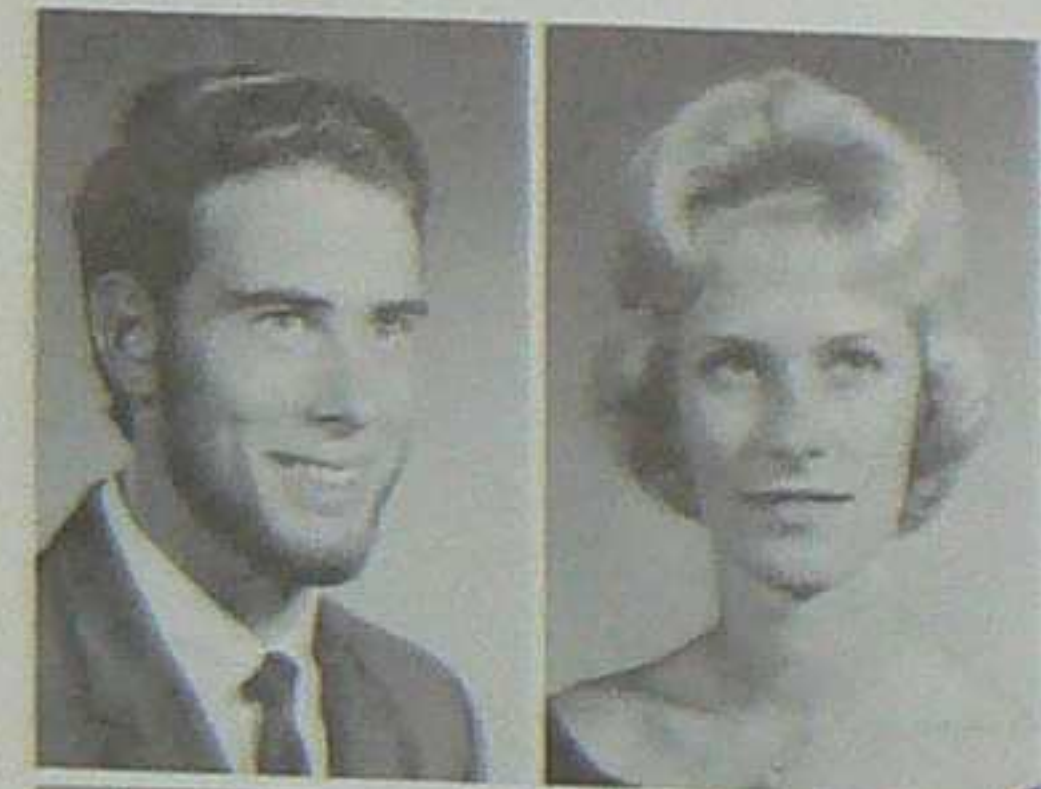
James Blaylock  
Colorado Springs, Colorado



Harold W. Bragdon  
Topeka, Kansas

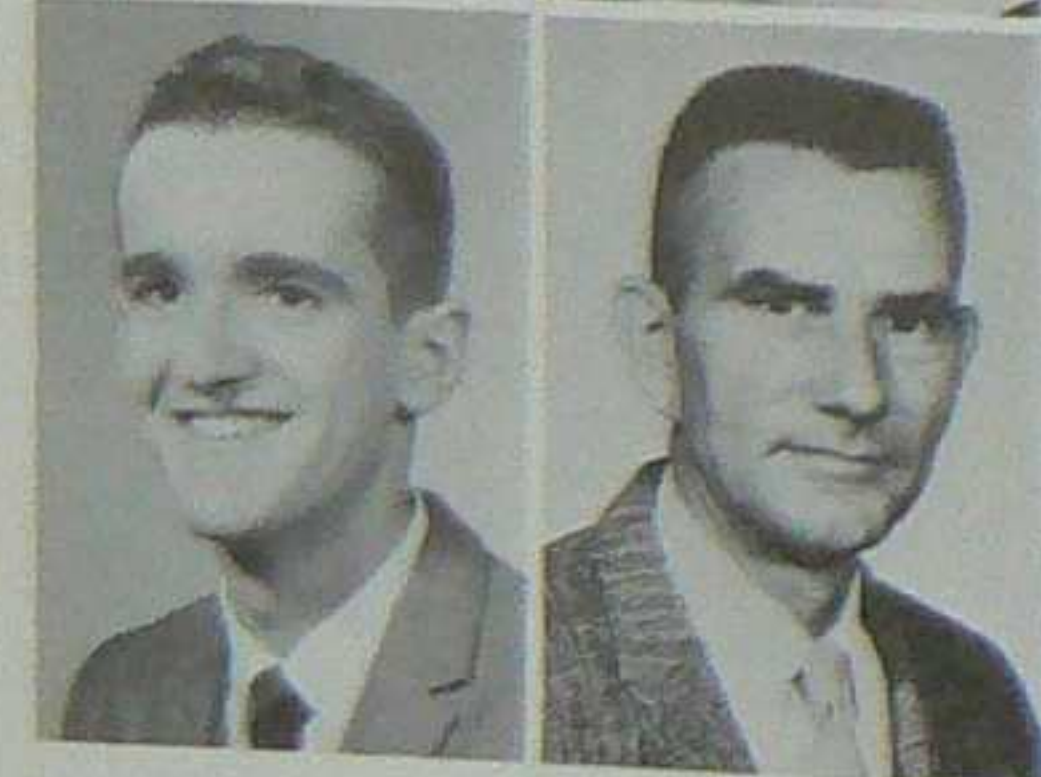
Calvin R. Braunstein  
New London, Connecticut

## SOPHOMORES



James P. Burt  
El Segundo, California

Linda S. Carl  
Topeka, Kansas



Raul A. Deju  
Miami, Florida

Bernard Dougherty  
Albuquerque, New Mexico



William F. Breuninger  
Newark, New Jersey

Glenn R. Brueland  
Ottumwa, Iowa



Kathleen A. Graeme  
Albuquerque, N. M.

Jerry Hamilton  
Lovington, N. M.

*Richard  
Womack*

Richard J. Hartman  
Melrose Park, Pa.

Albert R. Harvey  
Albuquerque, New Mexico

Orman C. House  
Vineland, New Jersey

Sharon Howard  
Naperville, Illinois

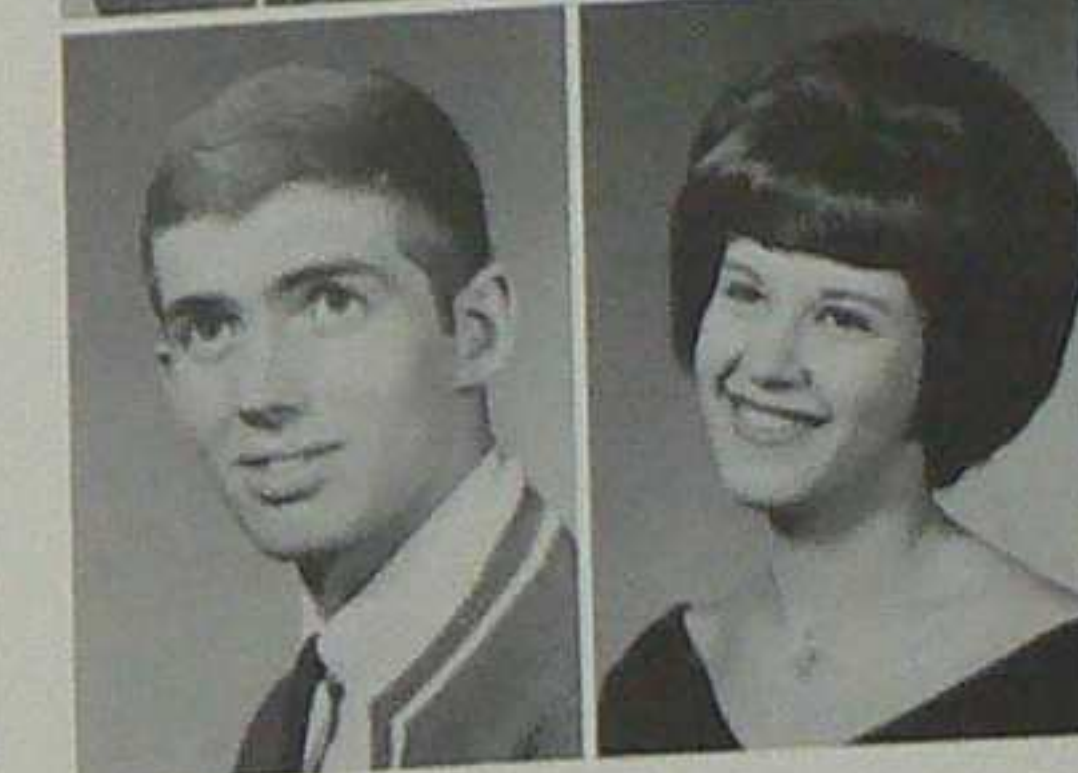
Leroy N. Eide  
Williston, North Dakota

Louise Ann Eisberg  
Dallas, Texas

Richard G. Estock  
Colonia, New Jersey

James M. Fleming  
Roswell, N. M.

## SOPHOMORES







William D. Howe  
Fremont, Nebraska



Alice Huber  
Pennsauken, New Jersey

Richard M. Ivy  
North Little Rock, Ark.

Alvin F. Jones  
Alamogordo, N. M.

# SOPHOMORES



William E. Jones  
Orlando, Florida



Philip Keim  
St. Louis, Missouri



Thomas F. Medrano  
Sante Fe, N. M.



Woodrow C. Monte  
Brick Town, New Jersey

# SOPHOMORES



Charles F. Lotter  
Lynn, Massachusetts



John D. Lujan  
Albuquerque, N. M.

Michael McCloskey  
Santa Rosa, California

Carl M. Maucione  
Ridgefield, New Jersey



Donald E. Koeltzow  
Clavis, New Mexico

Michael Kowalski  
Cutamonga, California



Richard E. Langlois  
Berlin, New Hampshire

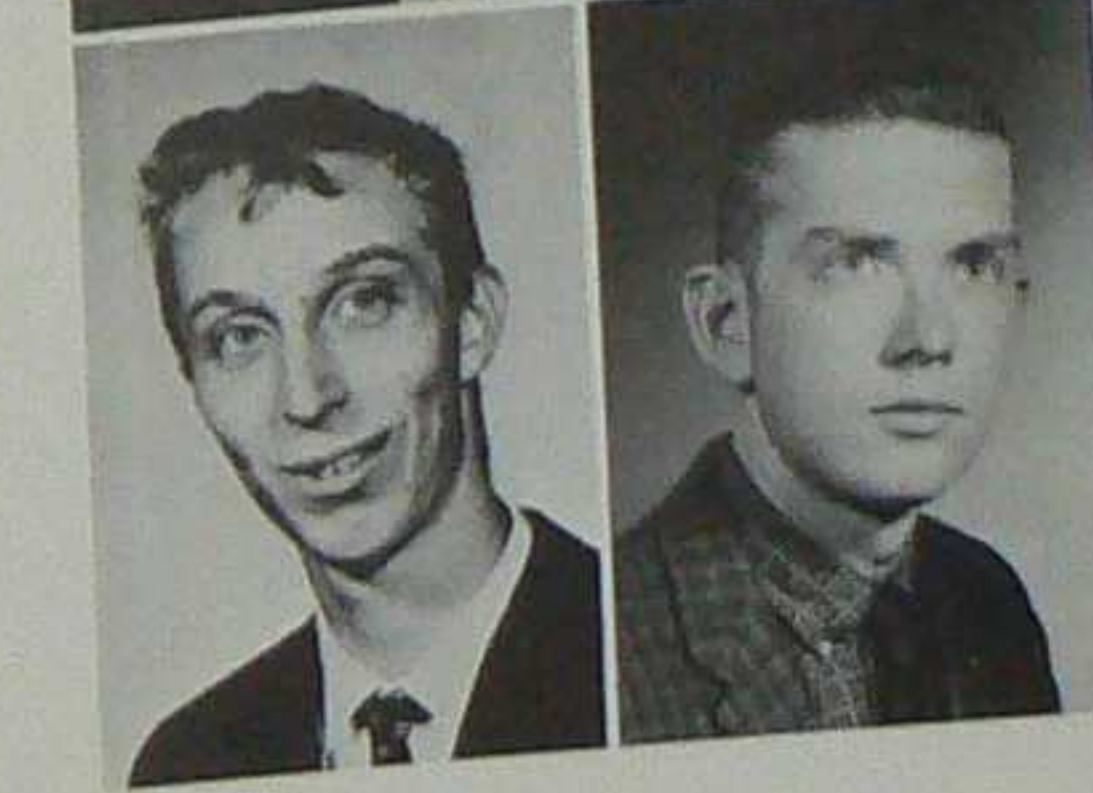
Thomas D. Lewis  
Nedrow, New York



Gary R. Morris  
Mt. Prospect, Ill.

Thomas A. Myers  
Oceanport, N. J.

*Myers  
Marion  
Jill*



Michael Nevegold  
Vinton, Virginia

Preston Niesen  
Niles, Illinois





Hattie R. Offley  
Bellingham, Washington

Anthony A. Pondimos  
Brick Town, New Jersey



David Parris  
Wichita, Kansas

Bruno Renss  
Chicago, Illinois

## SOPHOMORES



Terrence Rockwell  
Dolgeville, New York

Verlean J. Schmidt  
Kelsey, Minnesota



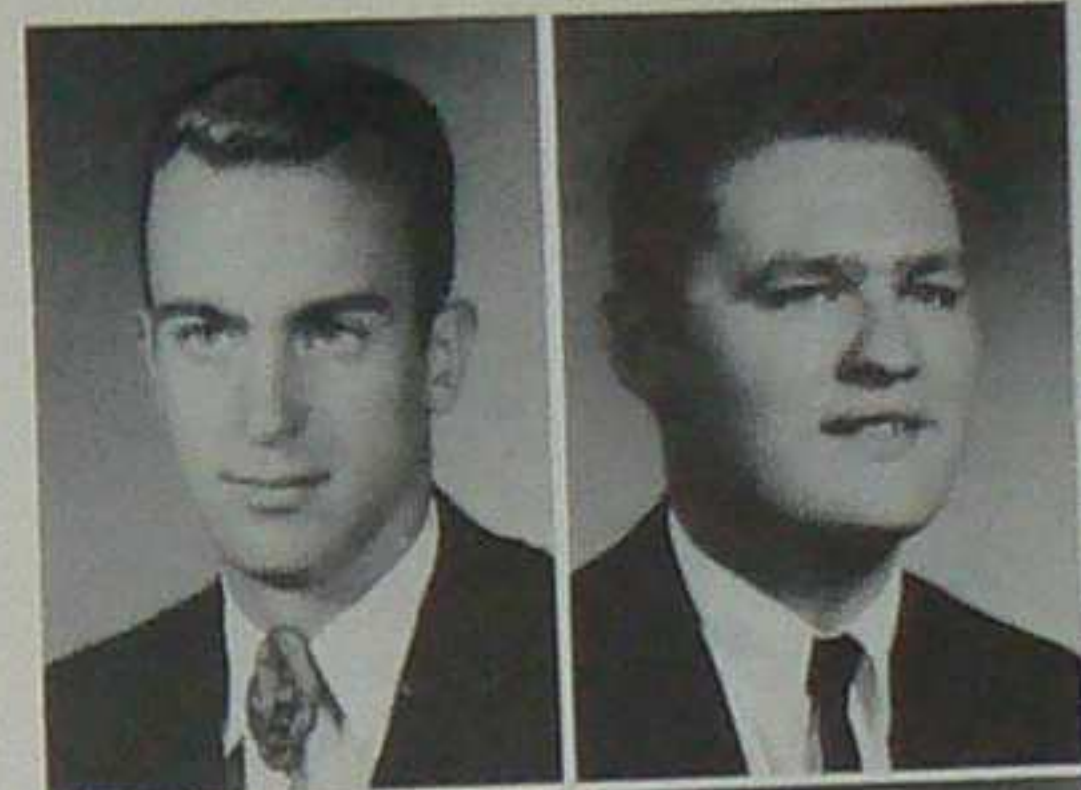
Jane E. Schultz  
Albuquerque, New Mexico

Joseph D. Sedillo  
Española, New Mexico



Christine D. Shay  
Albuquerque, New Mexico

Earl W. Shortridge  
Long Beach, California



James M. Simmons  
Toas, New Mexico

Douglas E. Smith  
Edgewood, New Mexico



Laurence A. Soderblom  
Las Vegas, New Mexico

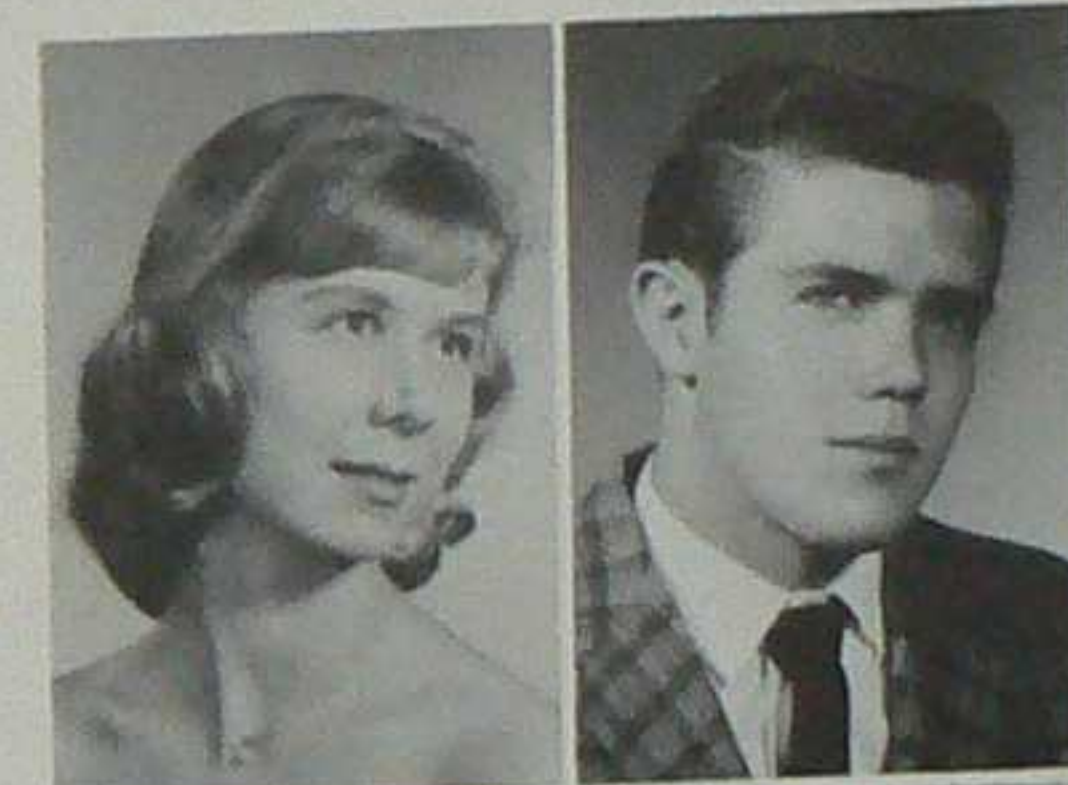
James B. Sorenson  
Colorado Springs, Colorado



Gene W. Stocktan  
Raton, New Mexico

Willard Streng  
Palos Heights, Ill.

## SOPHOMORES



Susan A. Stryjewski  
Artesia, New Mexico

George E. Tachick  
Las Alamos, N. M.



Tony A. Vigil  
Grants, New Mexico

Steven Vokurka  
Astoria, New York



# FRESHMEN



Ronald S. Ackerman  
Livingston, New Jersey



Halsey W. Arbogast  
Sierra Vista, Arizona



Jessye M. Armstrong  
Natchitoches, Louisiana



Robert C. Barber  
Roswell, New Mexico



John E. Barnes  
Los Alamos, New Mexico



Larry R. Bennett  
Tucumcari, New Mexico



Lee I. Archuleta  
Taos, New Mexico



Rodney M. Armstrong  
Quemado, New Mexico



Lee J. Barker  
Socorro, New Mexico



Jack C. Beers  
Burlington, Washington



James B. Benton  
Albuquerque, New Mexico



# FRESHMEN

Lee A. Bessey  
Richmond, California



H. William Bouwkamp  
Grand Rapids, Michigan



Stephen L. Brewer  
Fremont, California



Janeth L. Carlson  
Las Vegas, Nevada



Carol L. Brown  
Belen, New Mexico



Richard R. Carlson  
Aberdeen, South Dakota



Sandra J. Charlton  
Clovis, New Mexico



David P. Clark  
Harlingen, Texas



Dwight K. C. Chang  
Aiea, Hawaii





# FRESHMEN



Roger Y. Gilbert  
Roswell, New Mexico



George Roger Gregg  
Albuquerque, New Mexico



James C. Griffin  
Hobbs, New Mexico



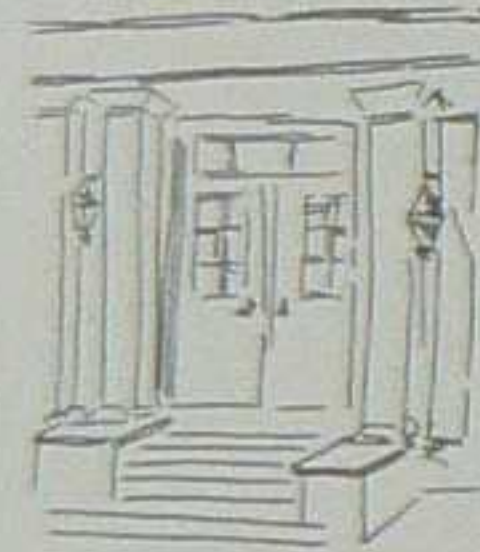
James G. Hammond  
Salem, Oregon



William E. Hayes  
Santo Fe, New Mexico



Alfred Hirsch  
Brooklyn, New York



James L. Gregory  
Lovington, New Mexico



Virginia A. Grover  
Hartford, Wisconsin



Fred Hasbrouck  
Toledo, Ohio



Dann B. Heller  
Pampa, Texas



Philip R. Holz  
Patchogue, New York



# FRESHMEN



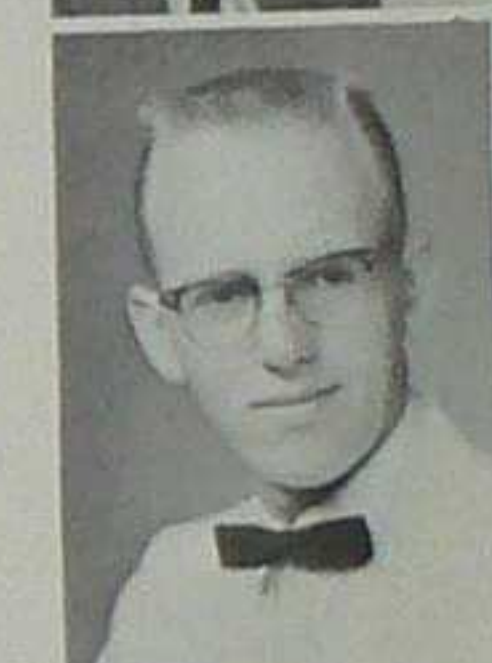
James D. Hooker  
Hobbs, New Mexico



Cecil K. Johnson  
Roswell, New Mexico



Frederick E. Kastner  
Roswell, New Mexico



Richard L. Kerby  
Socorro, New Mexico



Charles H. Kitchens  
Memphis, Tennessee



Mary Jo Landry  
Roswell, N. M.



Scotty A. Jinkins  
Jal, New Mexico



Brucelyn D. Johnston  
Las Alamos, New Mexico



Robert S. Kehler  
Carlsbad, New Mexico



Jesse J. Kintz  
Lake Arthur, New Mexico



Orest M. Kochan  
Northampton, Pa.





# FRESHMEN



Phillip E. Larson, Jr.  
Boston, Mass.



Kenneth Lawrence  
Norristown, Pa.



Paul D. Lemke  
Hurley, New Mexico



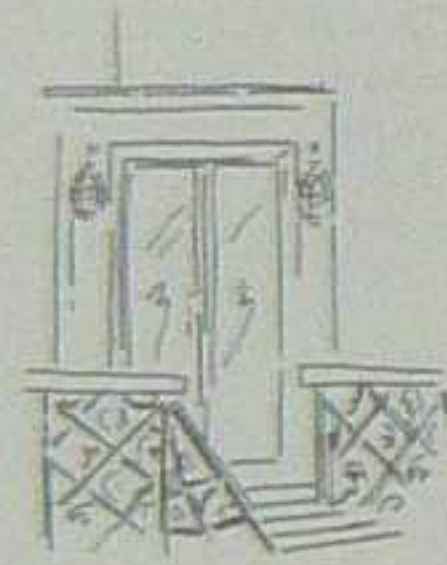
Julie C. Maier  
New York, N. Y.



Toni S. Marcy  
Socorro, New Mexico



Betty C. Mills  
Clovis, New Mexico



Thomas H. Lawrence  
Santa Fe, New Mexico



Barbara McClellan  
Clovis, New Mexico



Douglas K. Mains  
Weiser, Idaho



Marilyn A. Marions  
Fort Bayard, N. M.

*Marilyn Marions*



Joseph E. Miguez  
Roswell, New Mexico



# FRESHMEN



Samuel A. Mossman  
Eldora, Iowa



Sverre A. Nagel  
Rolling Hills, California



Daniel J. Osetek  
Albuquerque, New Mexico



Aniceto R. Perez  
Albuquerque, New Mexico



Mary Ann Pinson  
Farmington, New Mexico



Shiela J. Morris  
Albuquerque, New Mexico



Joan C. Mumm  
Belen, New Mexico



Walter Lee Oldham  
Raton, New Mexico



Paul E. Otto  
Pulaski, New York



John Peslak, Jr.  
Bellville, New Jersey



Ronald Reynolds  
Hobbs, New Mexico





# FRESHMEN



William J. Ritter  
Astoria, Oregon



Albert J. Roberts  
Chicago, Illinois



Eugene R. Smyer  
Deming, New Mexico



Kenneth C. Sukanovich  
Bairdford, Pa.



Blaine R. Thompson  
Albuquerque, New Mexico



Clifford E. Trebilcock  
Topsham, Maine



Pamela S. Rupert  
Pittsburgh, Pa.



Michael A. Stripek  
Santa Ana, California



David W. Sumner  
Arenas Valley, N. M.



Linda R. Timblin  
Los Alamos, New Mexico



Jay E. Vada  
Malibu, California



# FRESHMEN



Geraldo Velasquez  
Las Lunas, New Mexico



Robert H. Walker  
Washington, D. C.



Judith E. Williams  
Hutchinson, Kansas



Jean Helen Wood  
Levittown, Pennsylvania



Royce E. Wyrick  
Carlsbad, New Mexico



Donald J. Zeleny  
Artesia, New Mexico



Flavio I. Vigil  
Socorro, New Mexico



William E. White  
Carlsbad, New Mexico



Edward Womack  
Jal, New Mexico



Bruce Wright  
Lemitar, New Mexico



Joe E. Zamora  
Lincoln, New Mexico





PROGRESS THROUGH LEADERSHIP





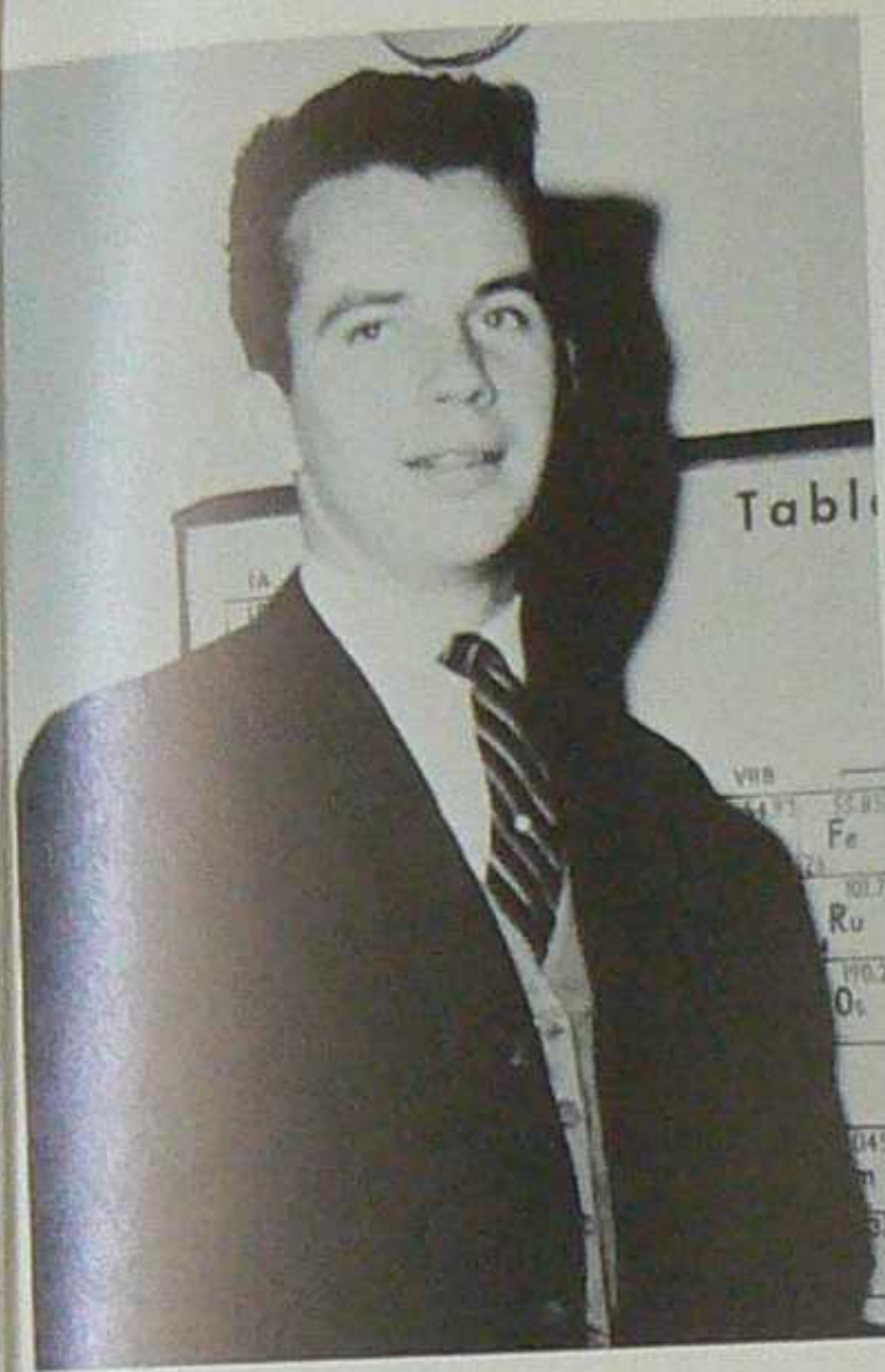
WHO'S



Robert Landoll  
Physics



Eric Berg  
Geophysics



Timothy Konkol  
Chemistry



David Rice  
Metallurgical Engineering



Melvin Scott  
Mathematics

WHO

IN AMERICAN

COLLEGES AND

UNIVERSITIES

Walter Vandevender  
Mathematics







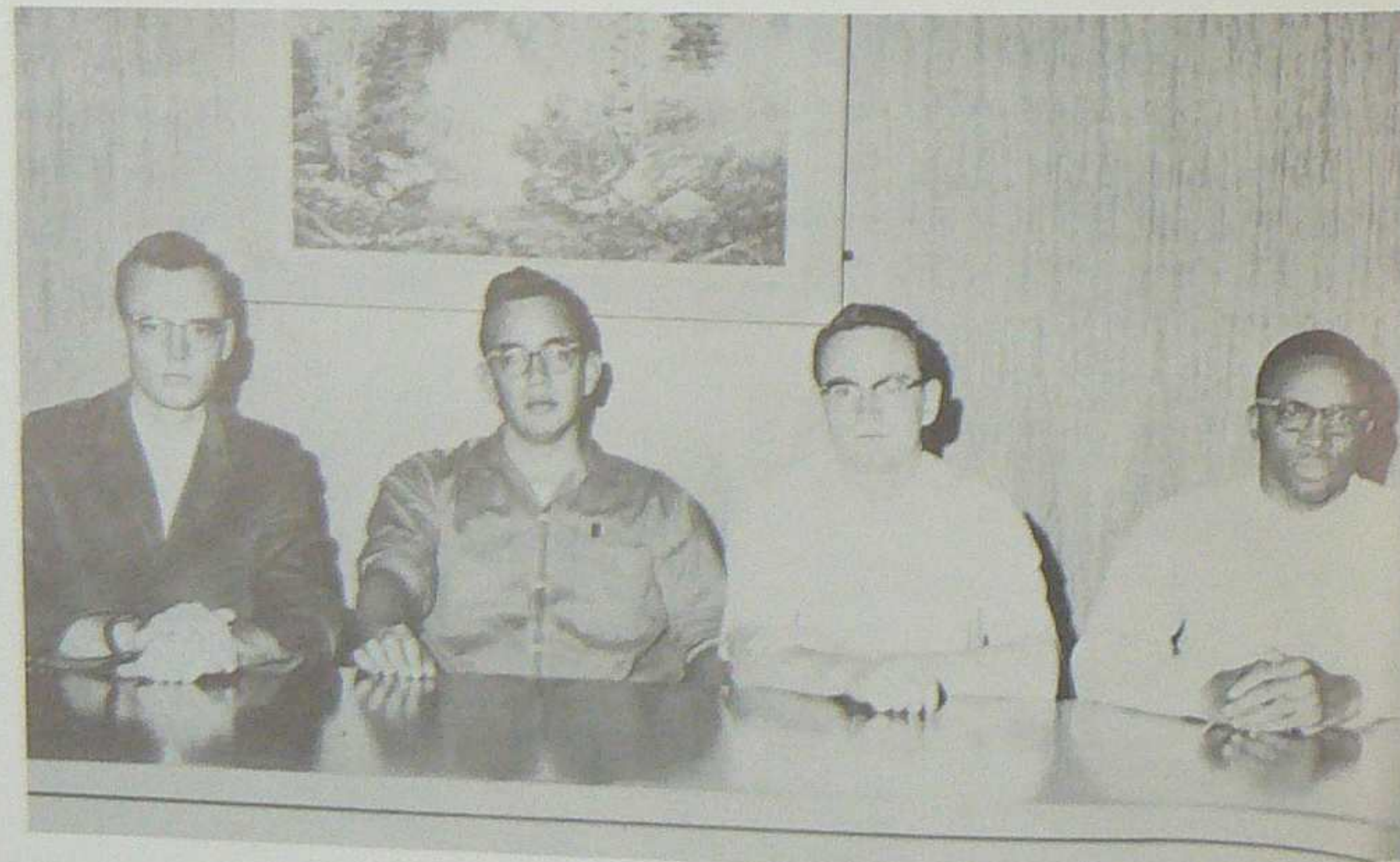
SENIORS

Tim Kankol, historian; Lee Kirby, president; Don Beaver, vice-president; Dove Zack, student council representative.



SOPHOMORES

Chester Pino, vice-president; Carl Maucione, president; Earl Shortridge, secretary-treasurer.



JUNIORS

Bill Klein, secretary-treasurer; Frank Carsey, president; John Fatchet, vice-president; Leon Jackson, student council representative.



FRESHMEN

Joan Mumm, secretary-treasurer; Roger Gilbert, president; Royce Wyrick, student council representative.





STUDENT COUNCIL

Dr. Christiansen, Columbus, Shorridge, Zack, Jackson, Wyrick, Landoll, Berg, Welch

## STUDENT COUNCIL PROPOSES S. U. B.

S. C. Advisor, Dr. Christiansen.



Student Body President, Eric Berg.



## PUBLICATIONS BOARD

Dr. McKee, Advisor; Bob Landoll, Linda Jones, Kathy Womack, Gene Stockton, Ian Finlayson, Dick Shay, Don Beaver.

## COLLEGE PROGRAM SERIES

Bob Wiesner, Jerry Hall, Sandra Charlton, Dick Shay, Gary Carl.





# EL ARRASTRE REORGANIZES



Student staff with advisor, Dr. McKee



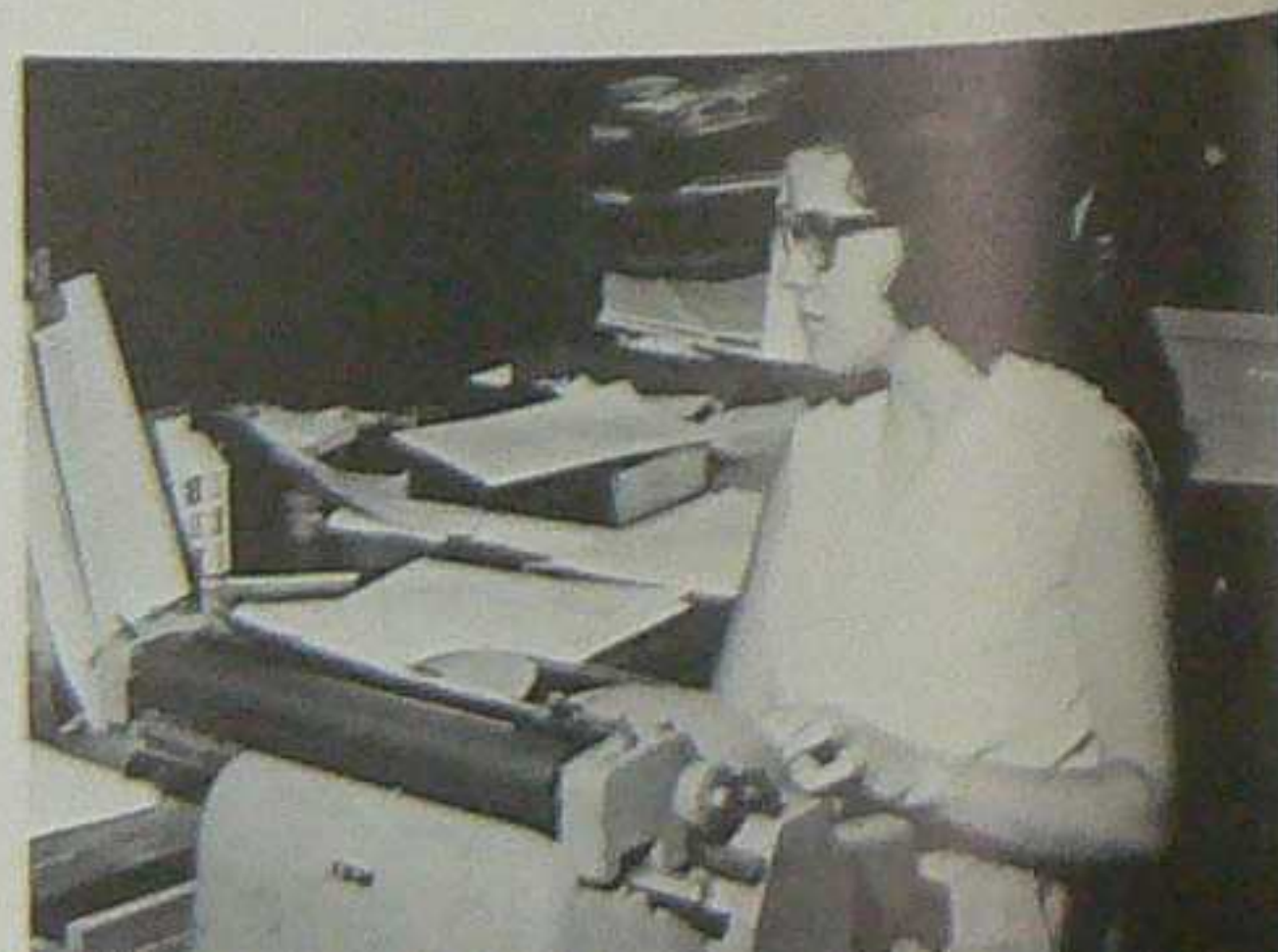
Under the able management of Gene Stockton, editor of the El Arrastre, the school was presented the best paper it has seen in many years. Gene received the valuable aid of

Dean Shriver, Production Manager,



and

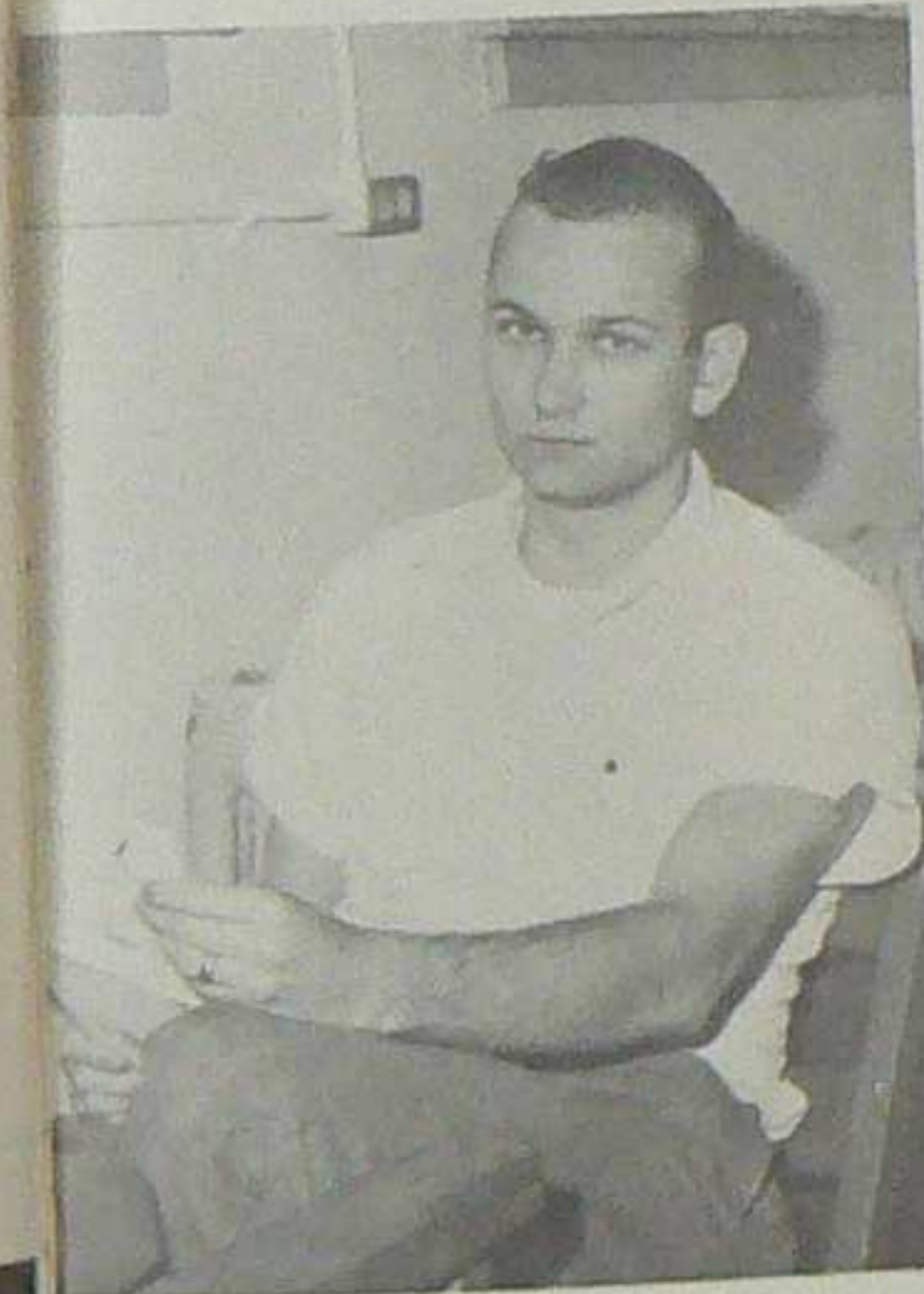
Verlean Schmidt, Typist



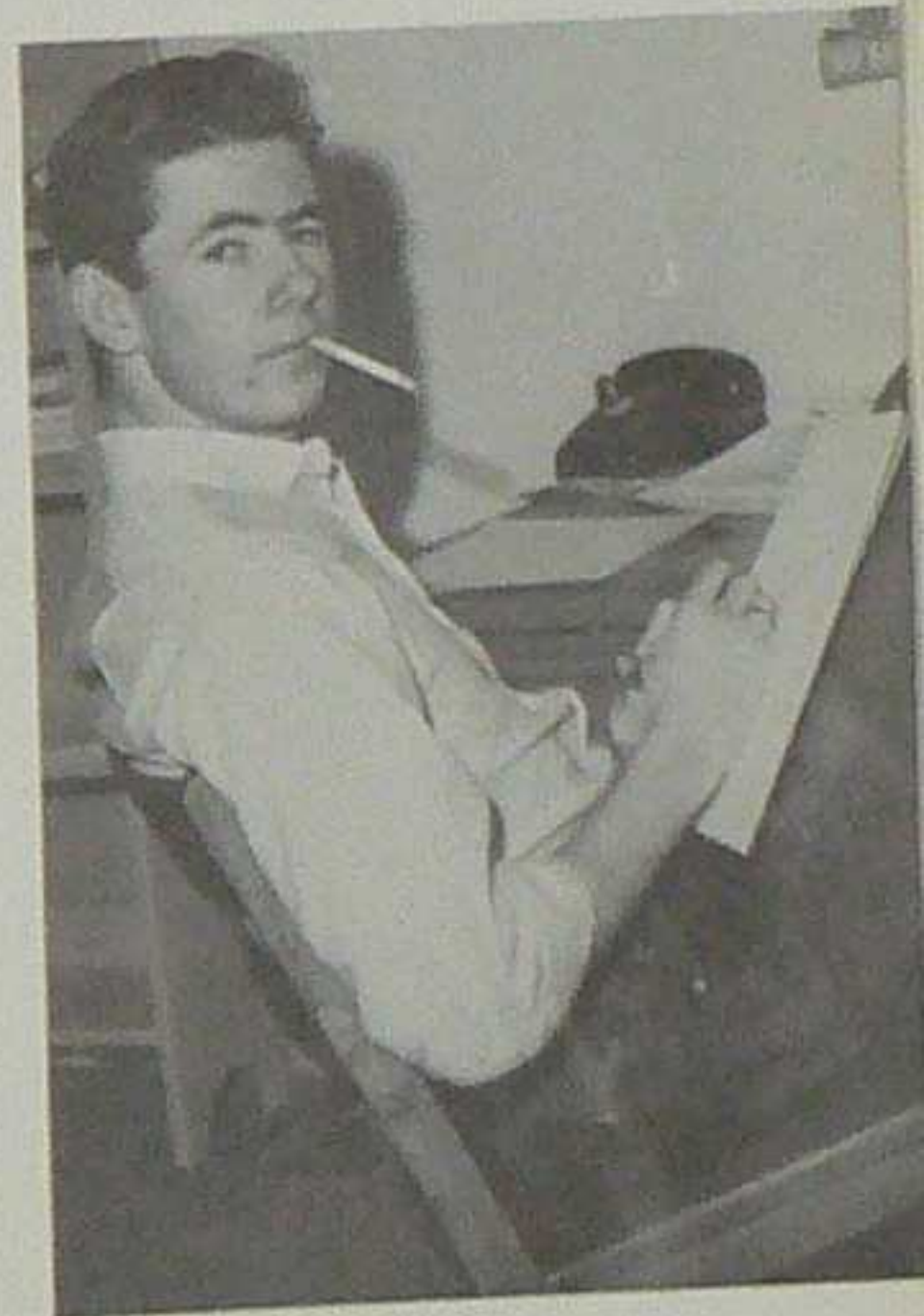
# PORPHYRY SALUTES 75 th ANNIVERSARY



Dr. McKee, advisor with staff: Hall, Carsey, R. Shay, Klein, Stryjewski, and C. Shay



Richard Shay, editor  
Studying layout sheet.



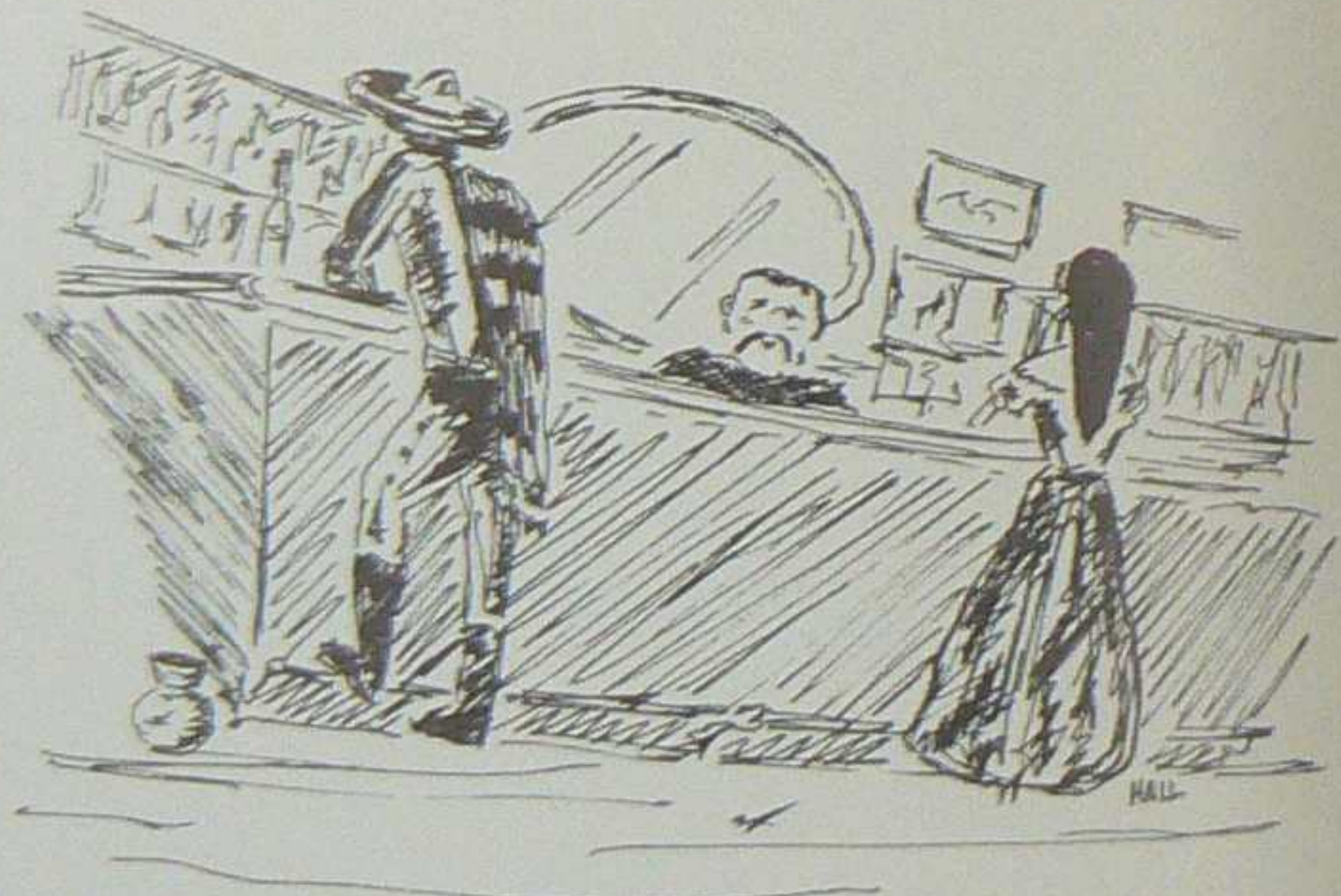
Jerry Hall, asst. editor,  
beginning art work.

Frank Carsey and Bill Klein study their pictorial work.





# PROGRESS THROUGH ACTIVITIES





# "DEATH TAKES A HOLIDAY"



After a visit from Death, a shriek pierced the night that the suspenseful drama moved to its ultimate climax.

"Ah, my pretty—" Seduces Death



# PRESENTED WITH SUCCESS



"In love with Death, I forbid it!"

Preparing for curtain.



## CAST

Cora	Peggy Crawford
Fedele	Joseph Zamora
Duke Lambert	Louis Schaedler
Alda	Sharon Howard
Duchess Stephanie	Linda Jones
Princess of San Luca	Pamela Rupert
Baron Cesarea	Douglas Smith
Rhoda Fenton	Judy Doncevic
Eric Fenton	Gene Stockton
Corrado	John Corbin
Grazia	Louise Elsberg
Shadow	Gary Sower
Prince Sirki	Richard Barnes
Major Whitread	William Klein



# TECHETTES HIT OF HOOTENANNY



Guitar strummer, Bob Eveleth and  
TECHETTES: Joan Mumm, Louise Elsborg,  
Susan Stryjewski, Alice Huber, Betty Mills,  
and Linda Timblin

With the rage of Hootenannys on American college campuses TECH was not to be outdone. Talent blossomed and TECH students had a highly enjoyable evening. We all are hoping that this will become an annual affair.

Talent was drawn from all  
walks of life.



TECH'S answer to the Trapp family.



# TECH STAR TIME



Due to the late date at which the 1964 TECH STAR TIME was to appear it was impossible to hold the production of the PORPHYRY. It was for this reason that we reproduced pictures taken at the first rehearsal of our famous or rather infamous revival of Vaudeville.



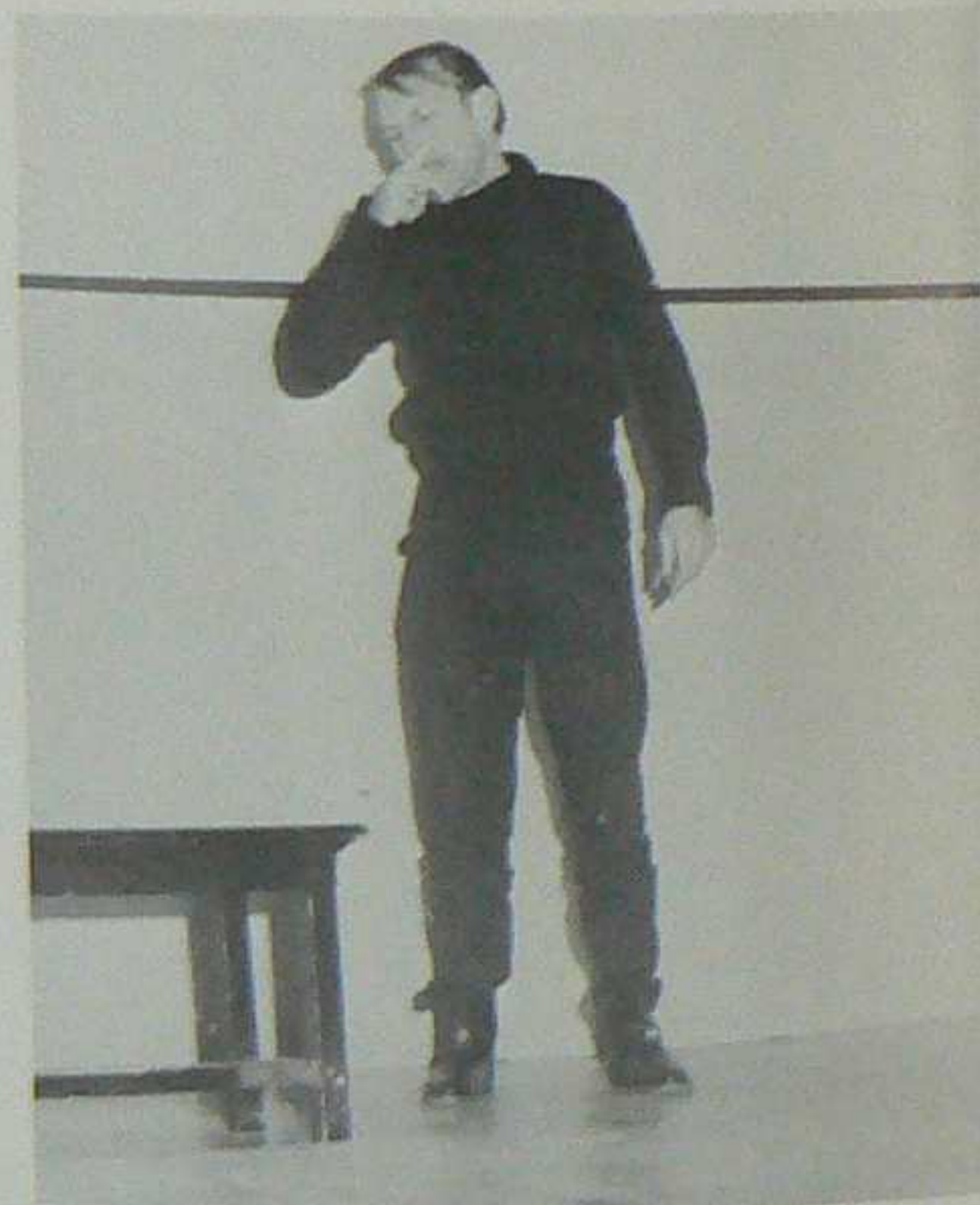


## COLLEGE PROGRAM SERIES



COL. JOHN D. CRAIG

Adventurer, T.V. producer, and lecturer, Col. John D. Craig opened the 1963-64 College Program Series during the summer session at Tech. His program on treasure hunting in the West Indies was supplemented with slides and a sound track.



PHILLIP HANSEN

The epic of "Moby Dick" came to life on the R&DD auditorium stage as Phillip Hansen portrayed each of Herman Melville's memorable characters.

## PRESENTS SUMMER PROGRAM



PHILLIP HANSEN

Not only was Mr. Hansen an accomplished actor but also an accomplished harpsichordist. Here he accompanies himself in a sea chanty.



RED CAMP

Jazz finally migrated to the Tech campus. Red Camp presented a full program from Dixieland to Basa Nova.



# CLUBS AND ORGANIZATIONS

Each person has his own likes and dislikes. In a college atmosphere one finds many with whom he has common interests. These interests lead to the formation of groups. Though the interest may not be academic, it is the policy of the student government to assist these groups in the formation of campus organizations.

Since interests do change so do the number of organizations. This is one of the versatile policies at NMIMT which leads to many varied events in which interested student members may participate. In this manner a continual process is formed in which student funds are invested only in clubs that have an active participation.

These various organizations sponsor several events to help finance their activities, such as dances, barbecues and certain socials.

## CHEMISTRY CLUB

The Chemistry Club had many interesting meetings at which lectures covering the field were given. The club also had plans for an educational trip to the American Smelting and Refining Company in El Paso, Texas.

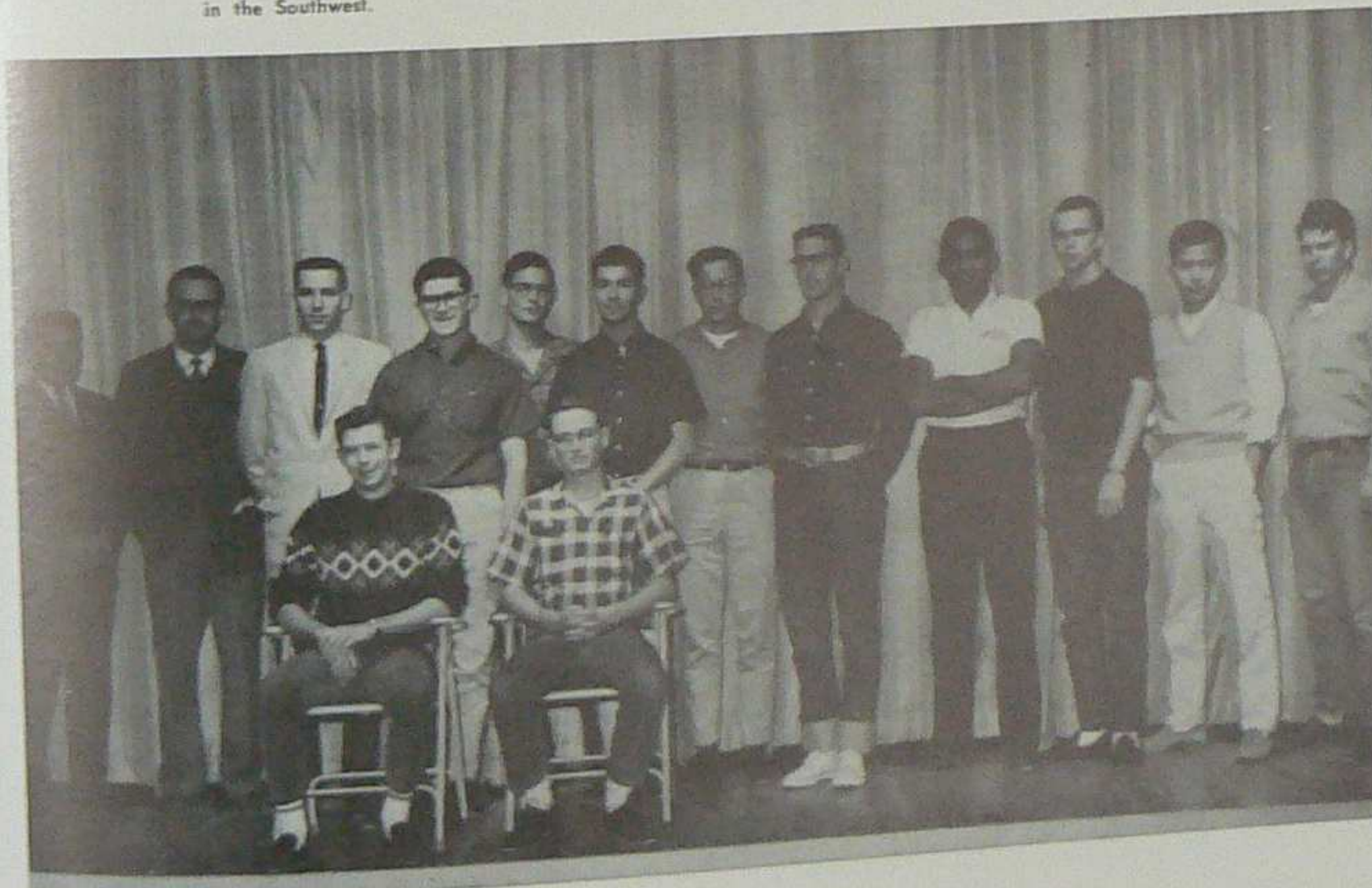


The Physics Club distinguished itself this year by bringing several renowned speakers to Tech. The Club sponsored the Thanksgiving dance and festivities.

## PHYSICS CLUB

### A. I. M. E.

A nationally chartered professional organization for mining, metallurgical, and petroleum engineering majors, the AIME has participated in district meetings and sojourned on field trips to mineral industries in the Southwest.







Cooney Mining Club has made an effort this year to stimulate interest in the mining and metallurgical professions by setting up displays and showing films on these fields. They sponsored the annual Christmas dance and Engineer's Banquet.

## COONEY MINING CLUB GEOLOGY CLUB

The Geology club made several field trips this year and listened to several guest speakers. They also plan to have an extended field trip when the club grows more and can make the arrangements.



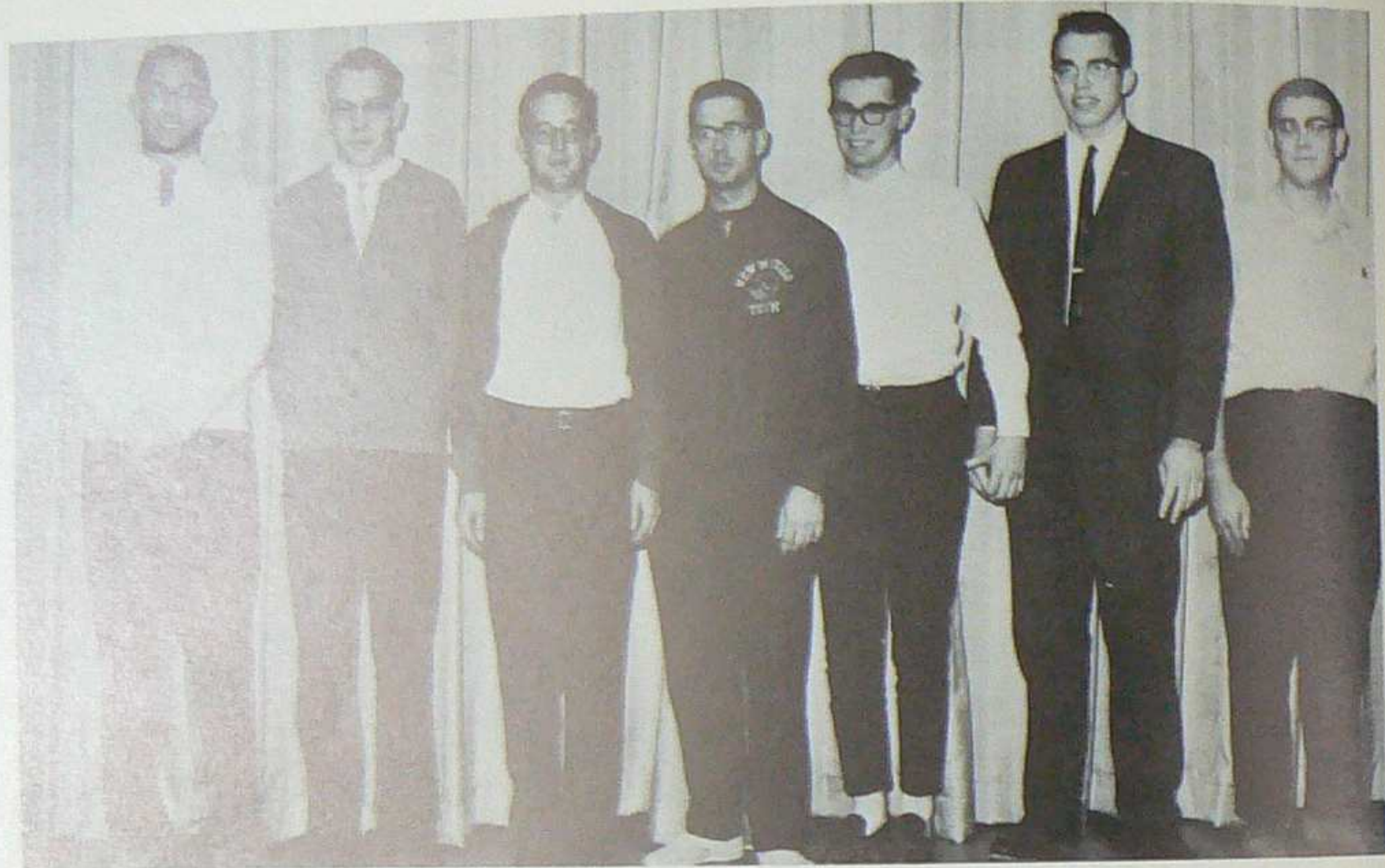
Field trips and gem polishing were the accomplishments of the Gem and Lap Club. They also maintained a display in Weir Hall exhibiting various specimens prepared by club members.

## GEM AND LAPIDARY CLUB INTERNATIONAL CLUB

The International club is primarily a social organization for the foreign students on the Tech campus. Their aim is to provide a stimulus for students that might feel out-of-place in a new land.







The Astronomy Club had several distinguished speakers this past year and made many evening stands at the college's Newtonian telescope, observing such phenomena as a lunar eclipse and just plain star gazing.

## ASTRONOMY CLUB

## DAMES CLUB

The Dames club is a social organization for the wives of married students at Tech. They co-sponsor the Christmas dance and have several social functions each year.



The Tech Drama Club had its moments in the limelight on the evenings of December 13th and 14th when they presented DEATH TAKES A HOLIDAY and again in the Spring when they presented Tech Star Time.

## DRAMATICS CLUB

## BRIDGE CLUB

A new club on the NMIMT campus, the Duplicate Bridge Club has a National affiliation with the American Contract Bridge League, and master points are awarded several times a year to top players.







A pictorial account of the several dances held at Tech annually, taken by our bleary eyed photographers, Carsey and Klein. Dances at Tech include the Western, Christmas, Flunk and Forget, St. Pat's, Prom and the informal Saturday night dances.

# DANCES

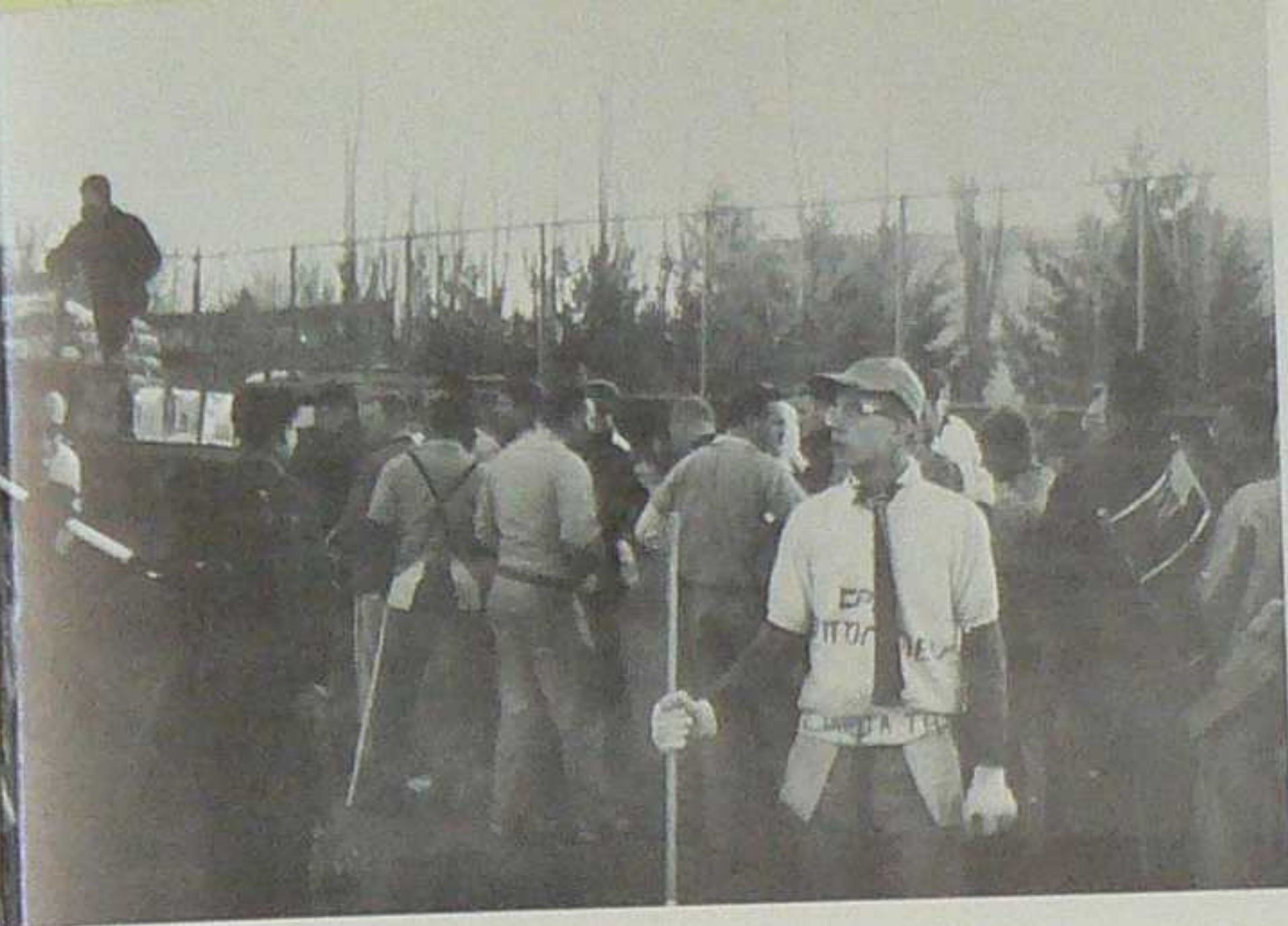




# ST. PAT'S

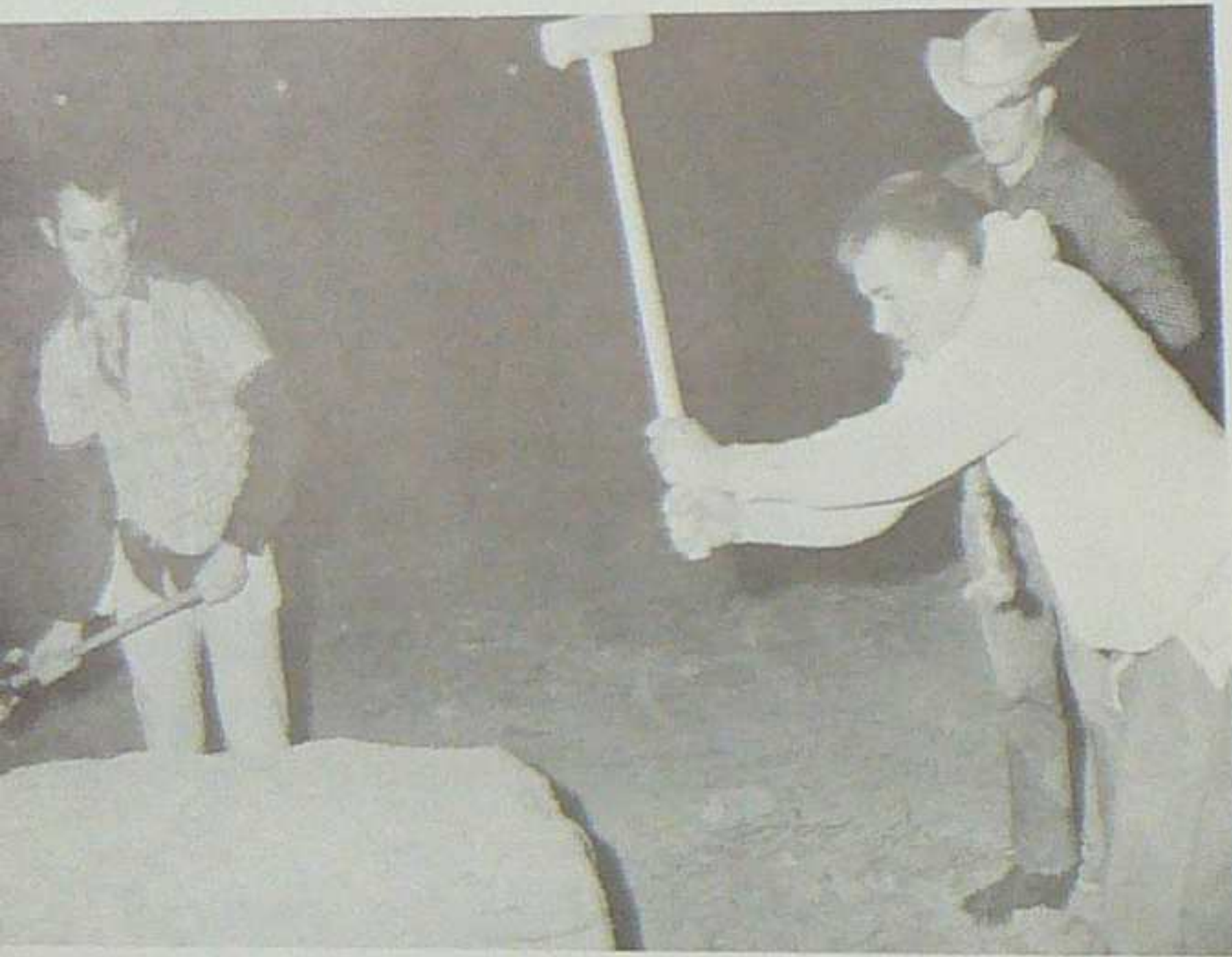
Friday, P. M.

Fresh Start The  
BIG EXCAVATION —



Saturday, A. M.

The Fresh Troops —



DEVASTATION —

herded like cattle into waiting  
trucks, soon to be dispensed to —



DECORATION



start the long journey to the summit.



The journey was rougher —



At the summit refreshments were served, followed by—

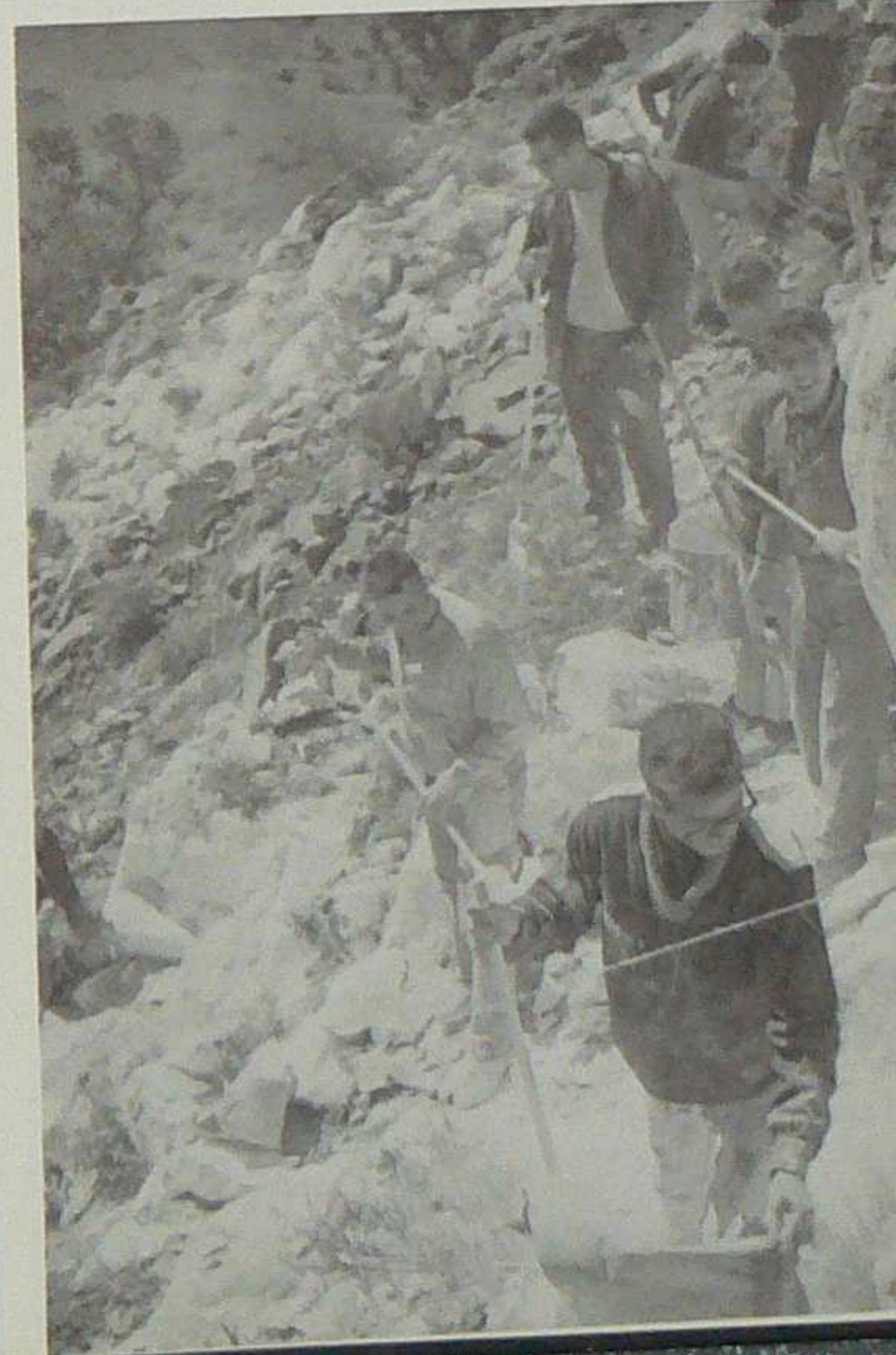
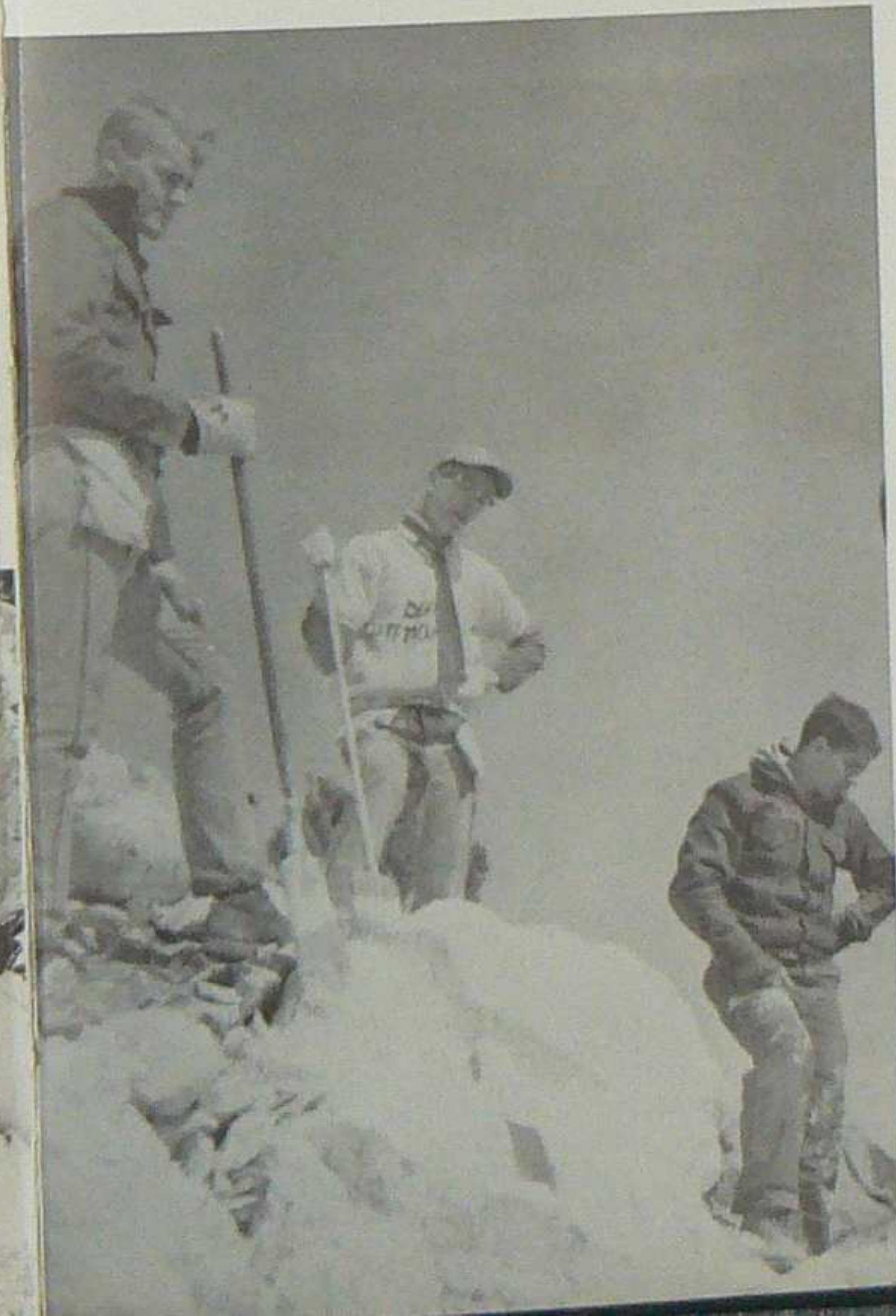


than anticipated, and some just —

white-washing exercises to tone those flabby, unused muscles of the Frosh.



couldn't stand the strain of a good engineer's pace.







Saturday , Afternoon

Dr. Ohline sets the pace —

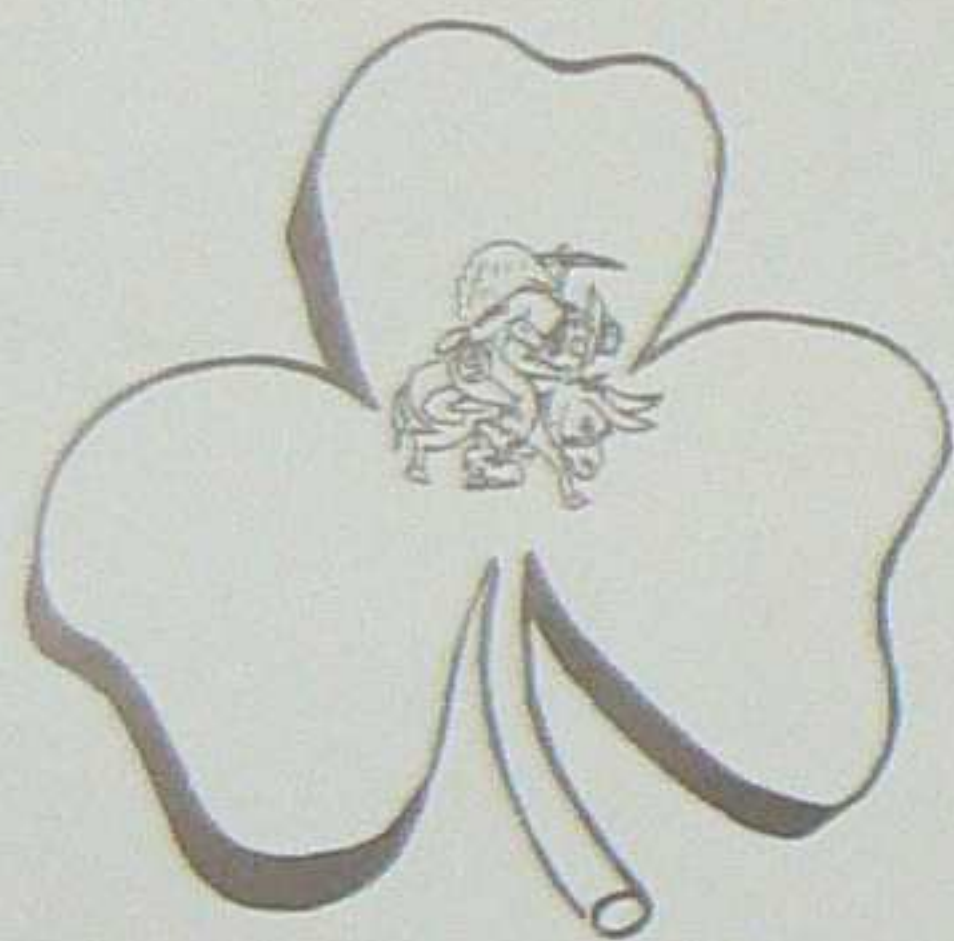


in the mucking contest —



while frosh tire in drilling contest —

to lose the tug-of-war.



SAINT PATRICK  
Patron saint and guardian of all good  
ENGINEERS



St. Pat '64, Bob Wiesner and original St. Pat of Tech,  
Spud Murphy.



Joan Mumm finishes initiation exercises for Fred Kastner.



Drs. Mitchell and Purcell receive final acceptance into  
Royal Order of Saint Pat along with seniors.

FINALE  
DANCE





Davoll — What me worry?



Beckhart — Caught pilfering



Sanders —  $2+2=4$ ,  $4+4=8$ ,  
 $8+8=$ Whoops, not enough  
fingers



Vandevender  
The Math —



Shriver  
—majors just —



Scott  
—sit there.

Kankol and his little jewel



Berg — Dick Tracy fan



Womack—Womacking



Fortune — houselife



Rowles — filtration chemist



Shay — Watch it, I bite!







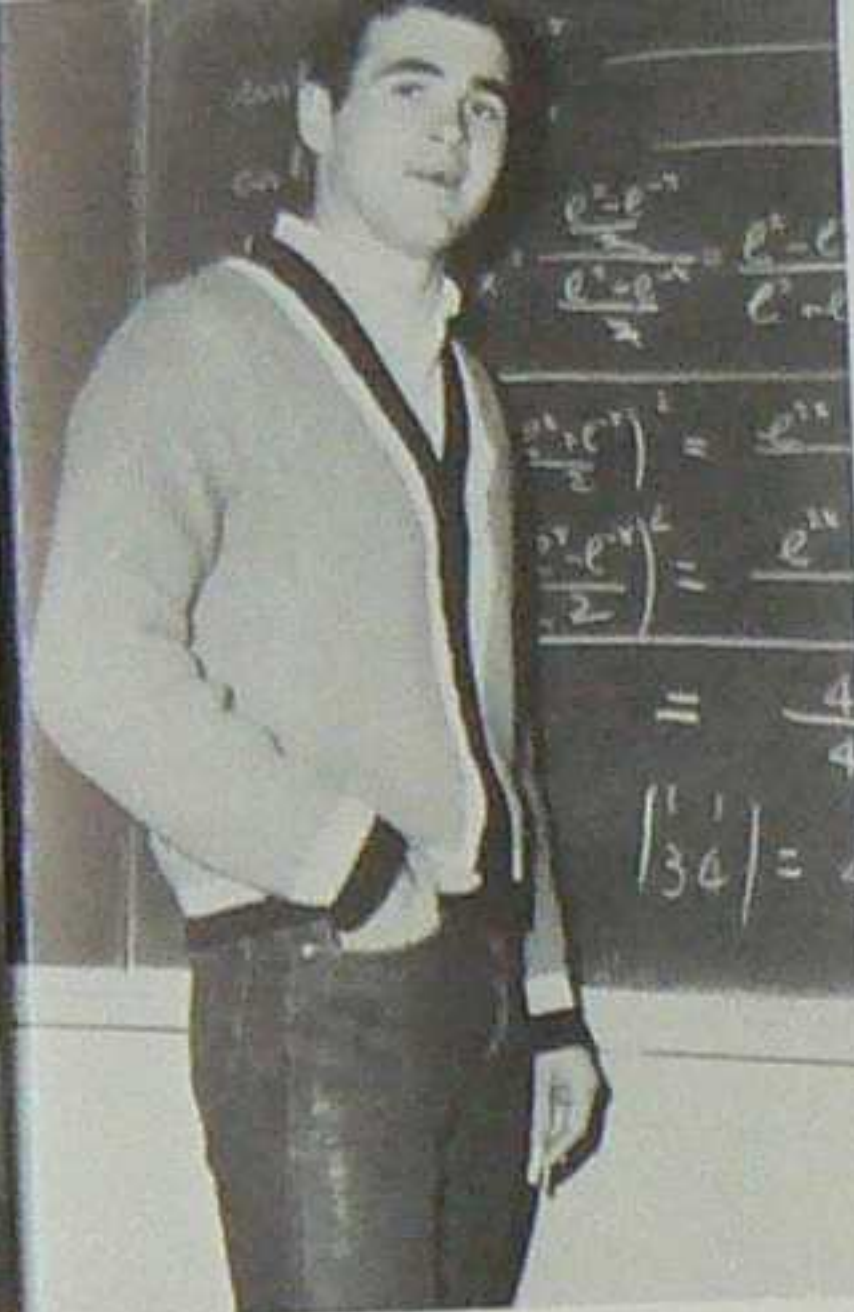
Patel — After Vic Tanny's



Beaver—carries books for exercise



Hogan — The Intellectual



Kirby — I don't know what it means either.



Carl — sneaks out of lab



Most typical senior—Williams

Jojoia — Now what?



Eberhart — It's closed book!



Gray loses silica gel



BROWN HALL 1930







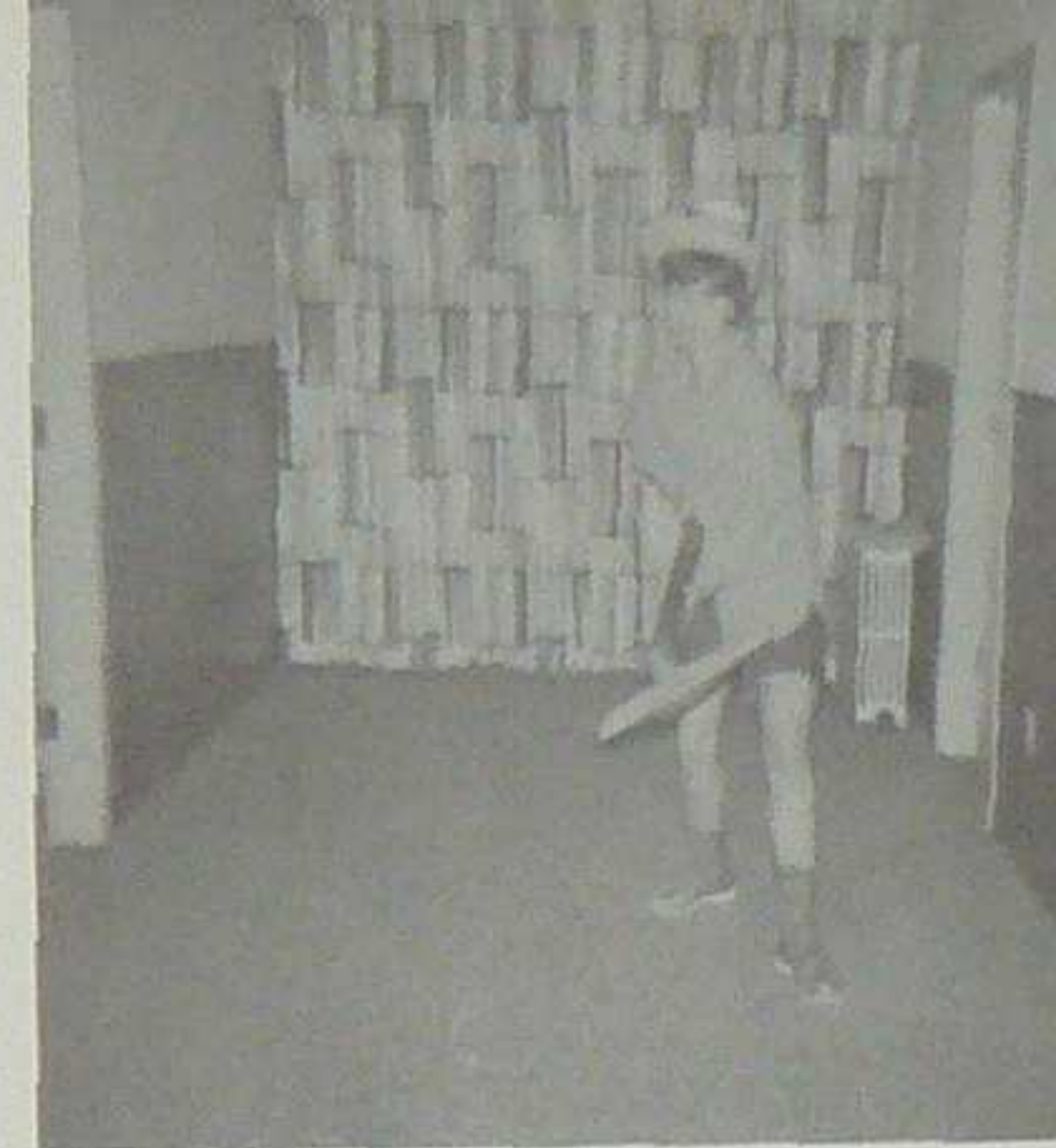
"Tech" — The summer paradise



Now — The Relativity Theory states —



A Co-op is Honest  
A Co-op is Trustworthy  
A Co-op at Work!



Hold them high, Tex



Whoops — a slip

The Tech Dance Gallery Club



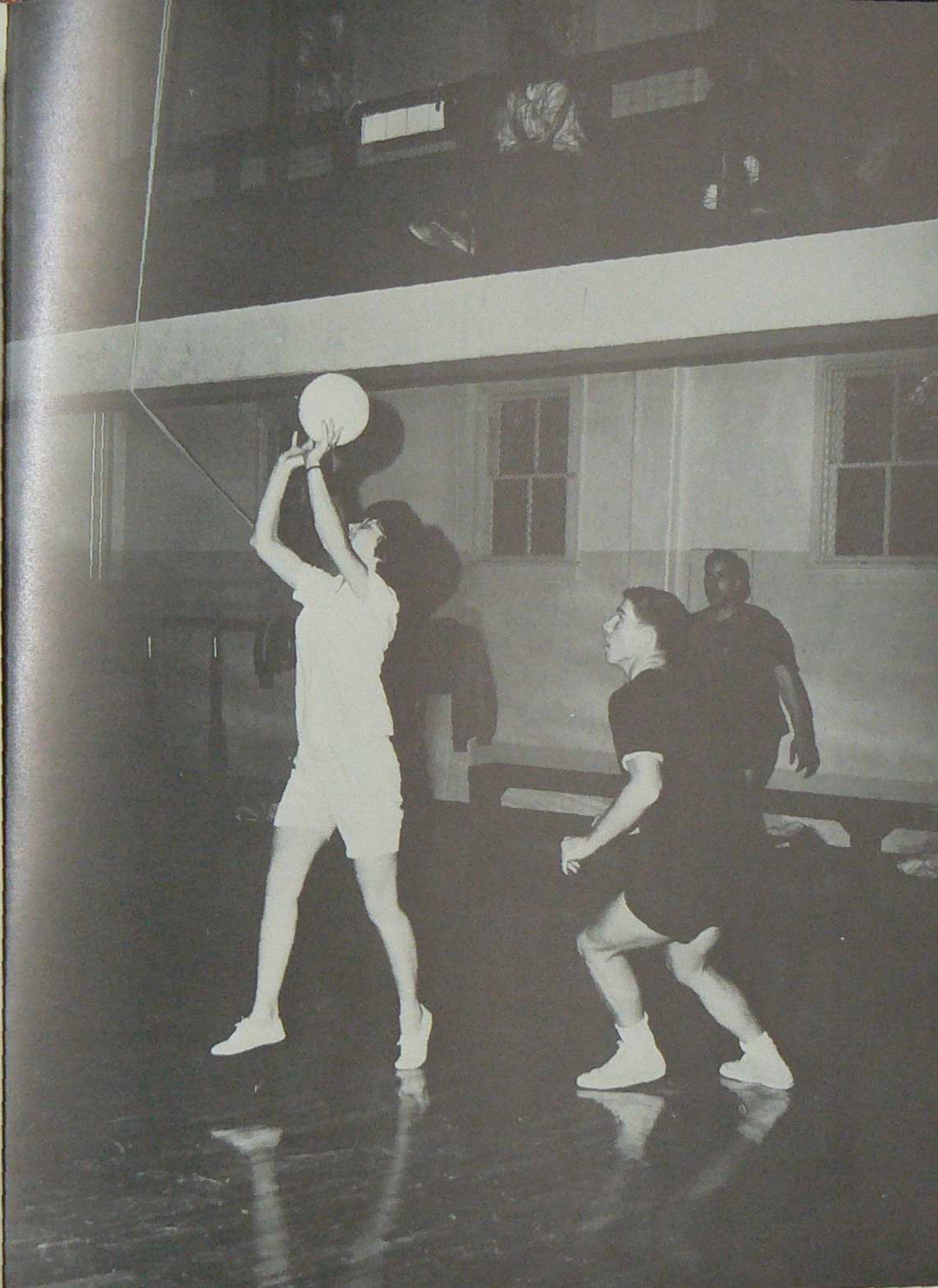
Happy hour — A Success



Bombs Away



# PROGRESS THROUGH SPORTSMANSHIP







First huddle of the athletic year



was followed by rough line of scrimmage.



A pass

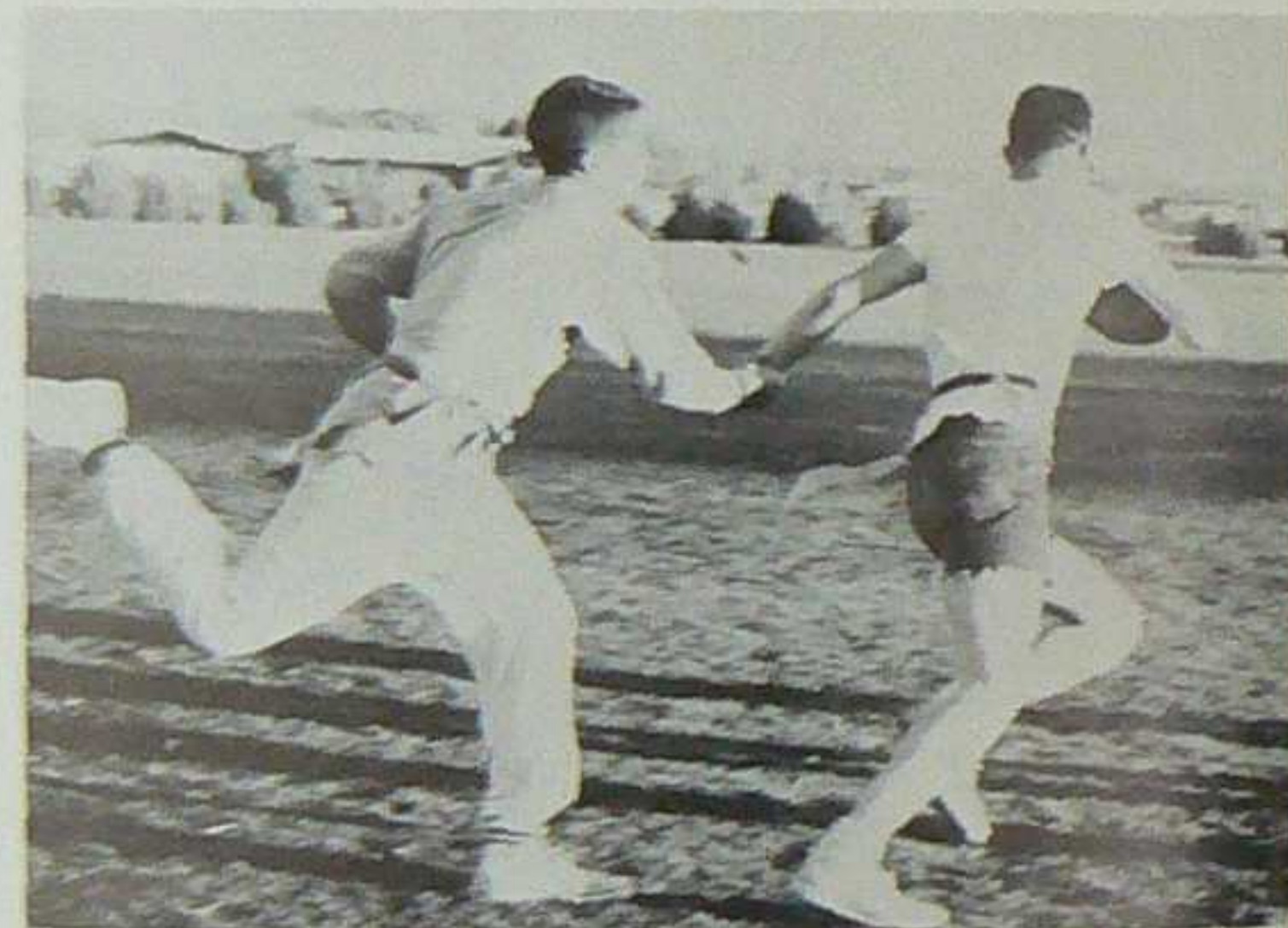


would lead to slaughter,

but a run



We mean ROUGH!!



Some even had to be led down-field.



would do the same.



While some praised the fallen—



some practiced ballet.



All sports at NMIMT are intramural due to the academic load of each student. This limitation, however, does not restrict the spirit nor the participation and in fact, often times, enhances the aggressiveness of the players. Football is one such sport the player may use to his advantage and exert his energy upon his professors since the staff and faculty also enter a team. At TECH we all have a day of retribution though the faculty extends this to nine months. This year victory along with the spoils of bruises and fractures, plus Kirby's teeth, was held by the illustrious SOPHOMORES.





The first tip-off

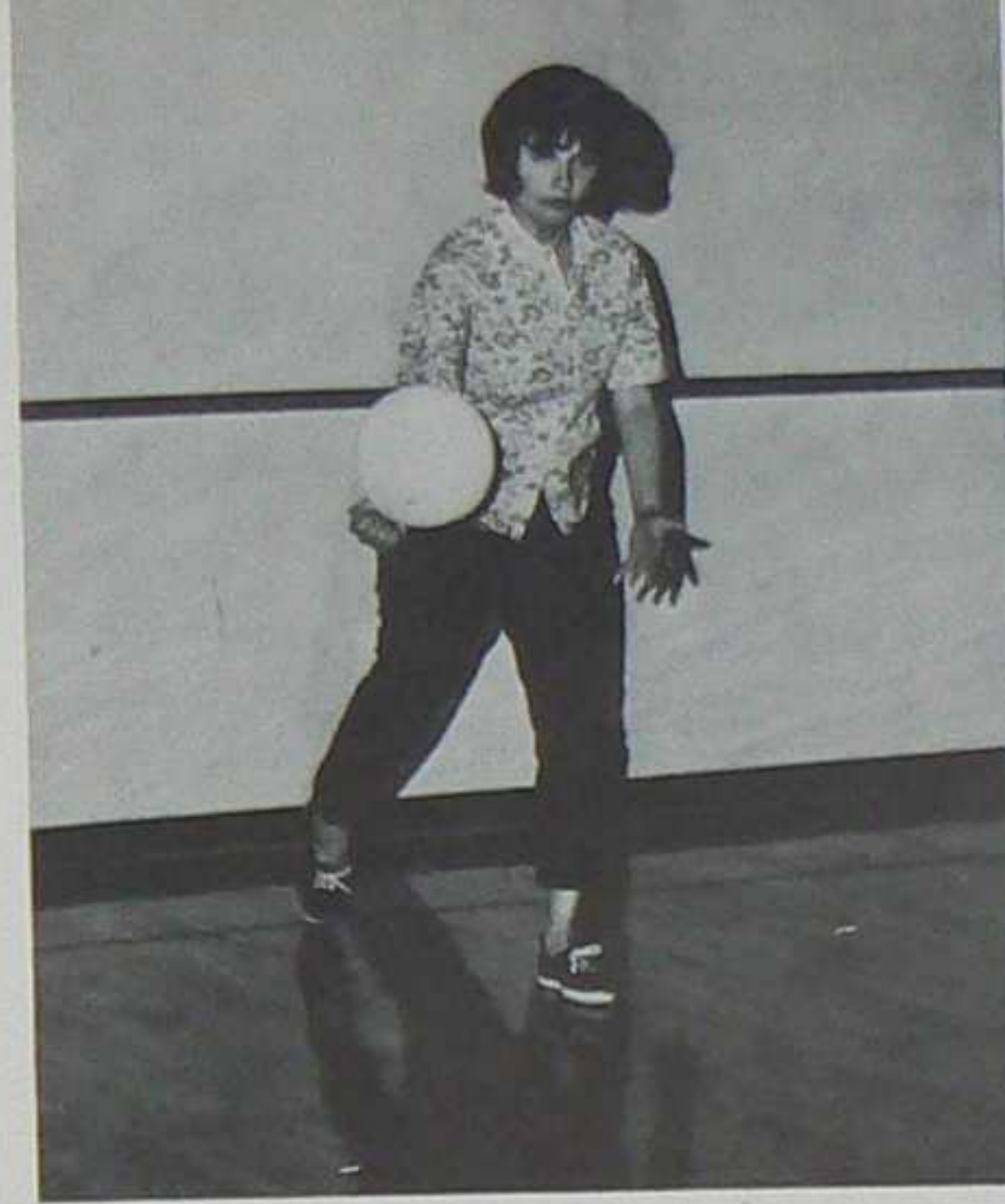


led to ensuing action



with the tense moments

and the SPECTACULAR.



The service, nearly as good



as the return,

was the reason for another loss.



# BASKETBALL

Basketball is one of the more popular activities. Through this sport the skill and agility of a man is thoroughly tested. As seen in this pictorial account the ability of the students to master this is rather doubtful.

With the coming of the new year we saw to our horror that the lowly GRADS were in first place.

# OTHER ACTIVITIES

Besides the sports which are illustrated students also participate in tennis and soccer matches along with gymnastics, track, and swim meets. One of the other most popular forms of recreation is golf which is played on the finest course in the Southwest.







# It's the future that counts

The average student realizes that education is not an end in itself. It is the groundwork for the future — preparation that will help him achieve a rich and productive life in the years to come.

Kennecott's Chino Mines Division has somewhat the same attitude. Successful day-to-day operations in the production of copper are not in themselves a goal. Rather, they are a stepping stone to a goal — the continued production of copper for many years to come.

Each improvement in operations and equipment developed at Kennecott has the immediate effect of maintaining copper production as a sound, productive business in New Mexico. At the same time, by achieving greater efficiency, improvements are the best assurance that Kennecott's future will continue to be as bright as the metal it produces.

For Kennecott, as for the young men and women of New Mexico who are completing another step in their education, it's the future that counts.

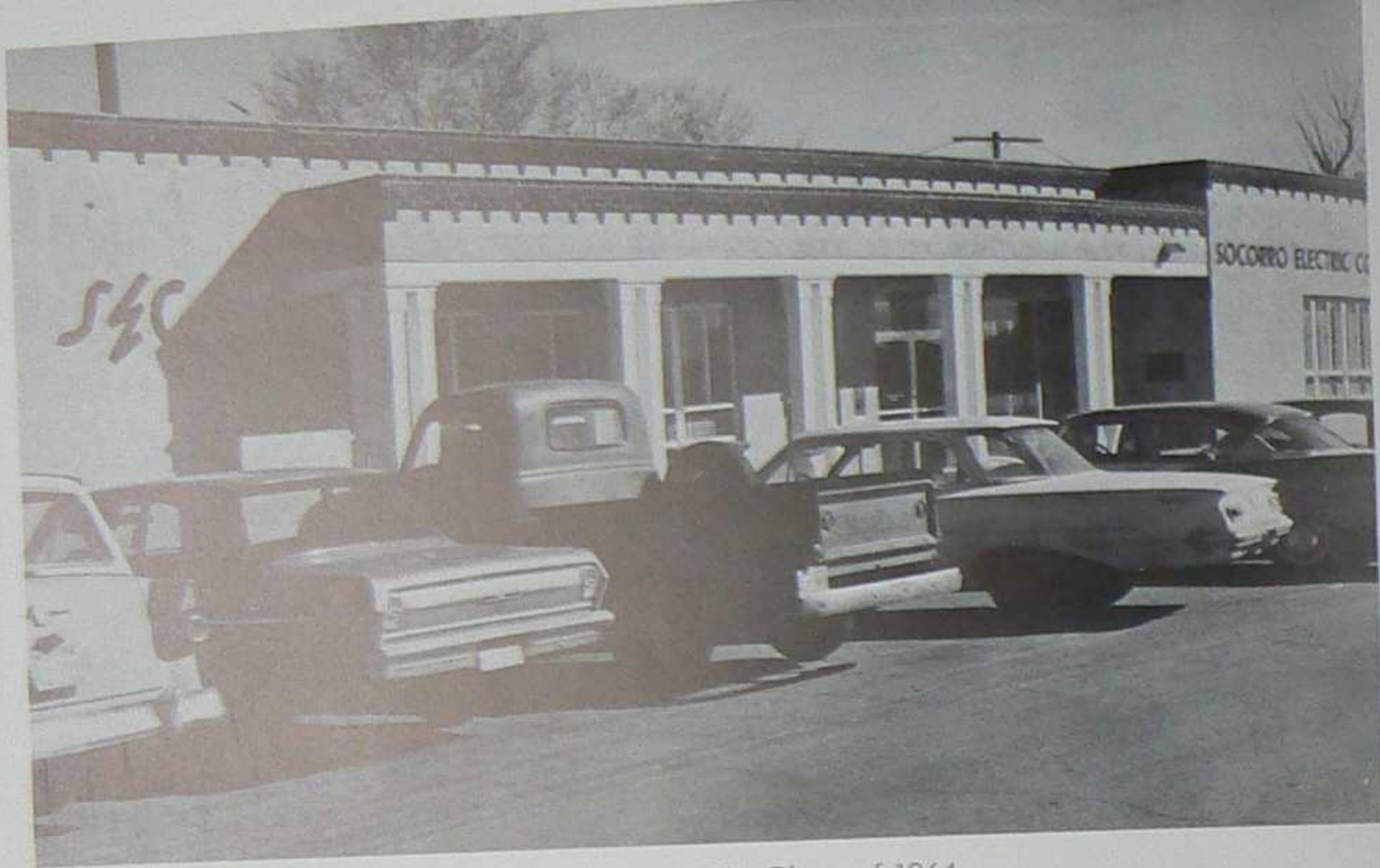


**Kennecott**  
**Copper Corporation**



**Chino Mines**  
**Division**  
Santa Rita, Hurley,  
New Mexico





Congratulations to The Class of 1964

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Best wishes to the Class of '64 and to  
the college on its 75th Anniversary

Brook W. Adams, '57 - pres.     Robert G. Koger, '55 - v. pres.  
James T. Everheart, '56 - sec.-treas.     W. Martin Speare, '31 - res. Sec.

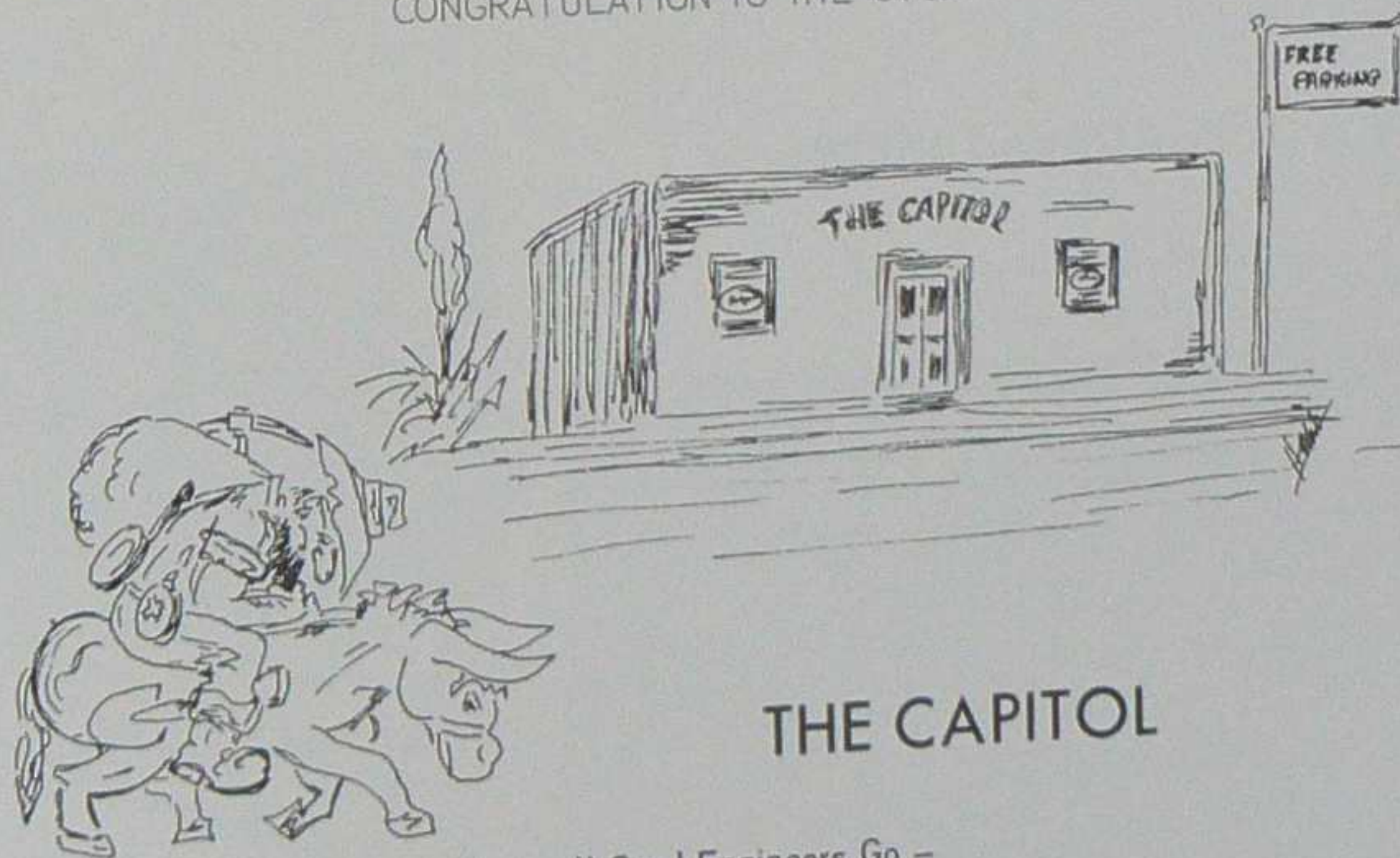
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On The Plaza

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