

*The*

# *Porphyry*

*1963*

VOLUME XXIV

EDITED BY

editor	richard shay
assistant editor	vernon hodge
business manager	james clark
secretary	bur maras
photographers	william klein frank carsey



Dr. Morris F. Stubbs

exacting

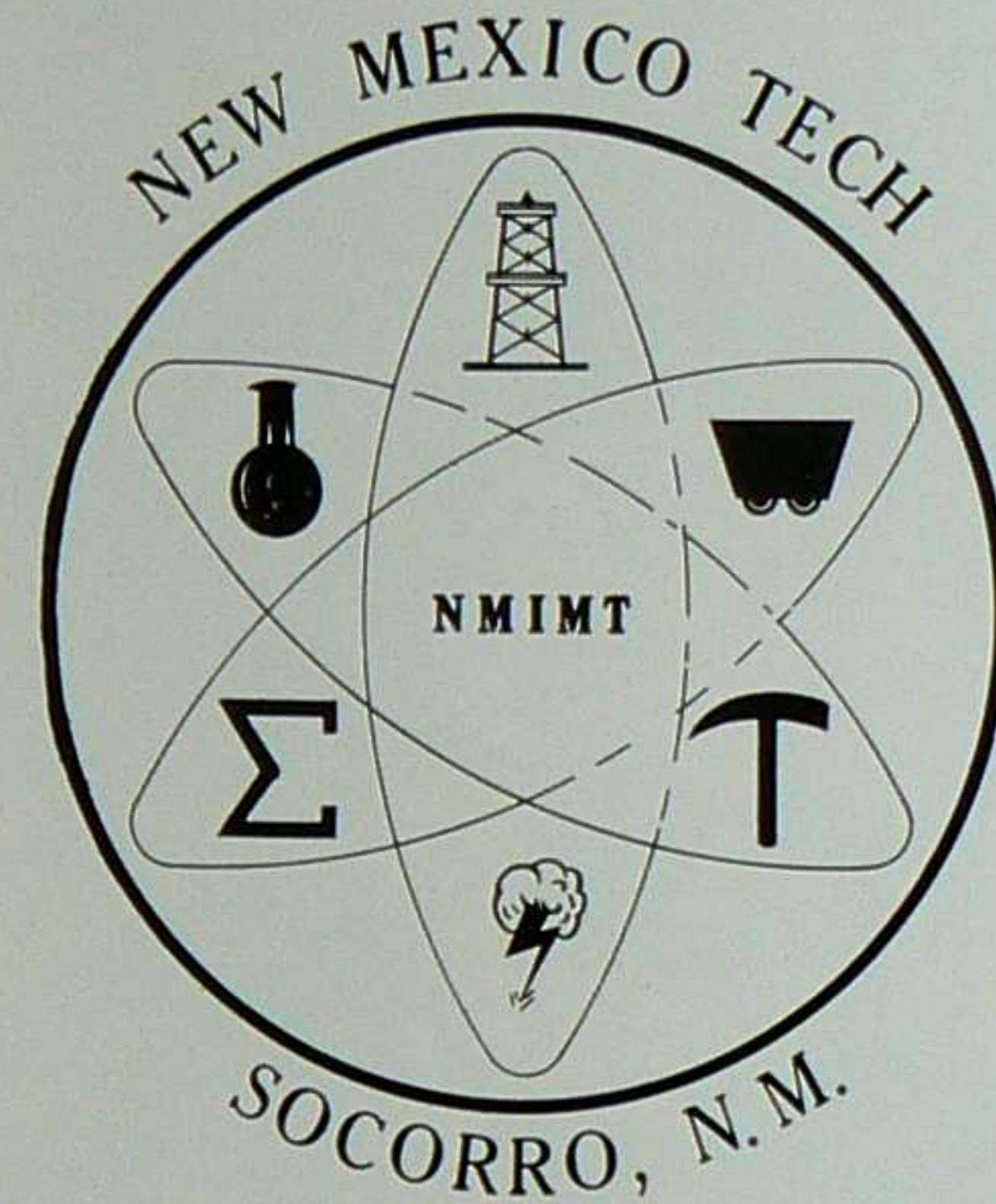
faithful

scientific

teacher

is the worthy recipient of this PORPHYRY dedication. Dr. Stubbs received a Bachelor of Science degree at Sterling College, Sterling, Kansas, Master of Science and Doctor of Philosophy degrees at University of Chicago, Chicago, Illinois, and in 1960 an honorary Doctor of Philosophy degree from Sterling College. The PORPHYRY staff trusts the subjects of this year book, the students of NMIMT are satisfactory products of Dr. Stubbs profession.

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FOREWORD

In presenting this pictorial account of student life at New Mexico Institute of Mining and Technology during the term 1962-1963, the PORPHYRY staff extends best wishes to those who worked hard to make this experience worthwhile.

Education is that attainment of state of mind which affords the realization that input : output.

To claim maximum output from every student is the job of every instructor.

To claim maximum input from all source material is the job of every student.

Doctors and teachers are well-developed crystals, while students are merely seedlings of growing crystals—but all are firmly imbedded in the fine groundmass of accumulated knowledge. Taken together, they represent the rock upon which modern society is built—a PORPHYRY.



## PRESIDENT

"I wish to commend the students of the New Mexico 'Tech' in their remarkable progress in scholarship and effective attention to further development of community life at this institution."

Dr. E. J. Workman



## DIRECTOR

"After sixteen years as a full time faculty member, it has been a privilege to work with you this past year both as administrator and as teacher. I feel that the cooperation you have given is largely responsible for the continued advances we are making here at NMIMT. My best wishes to all of you."

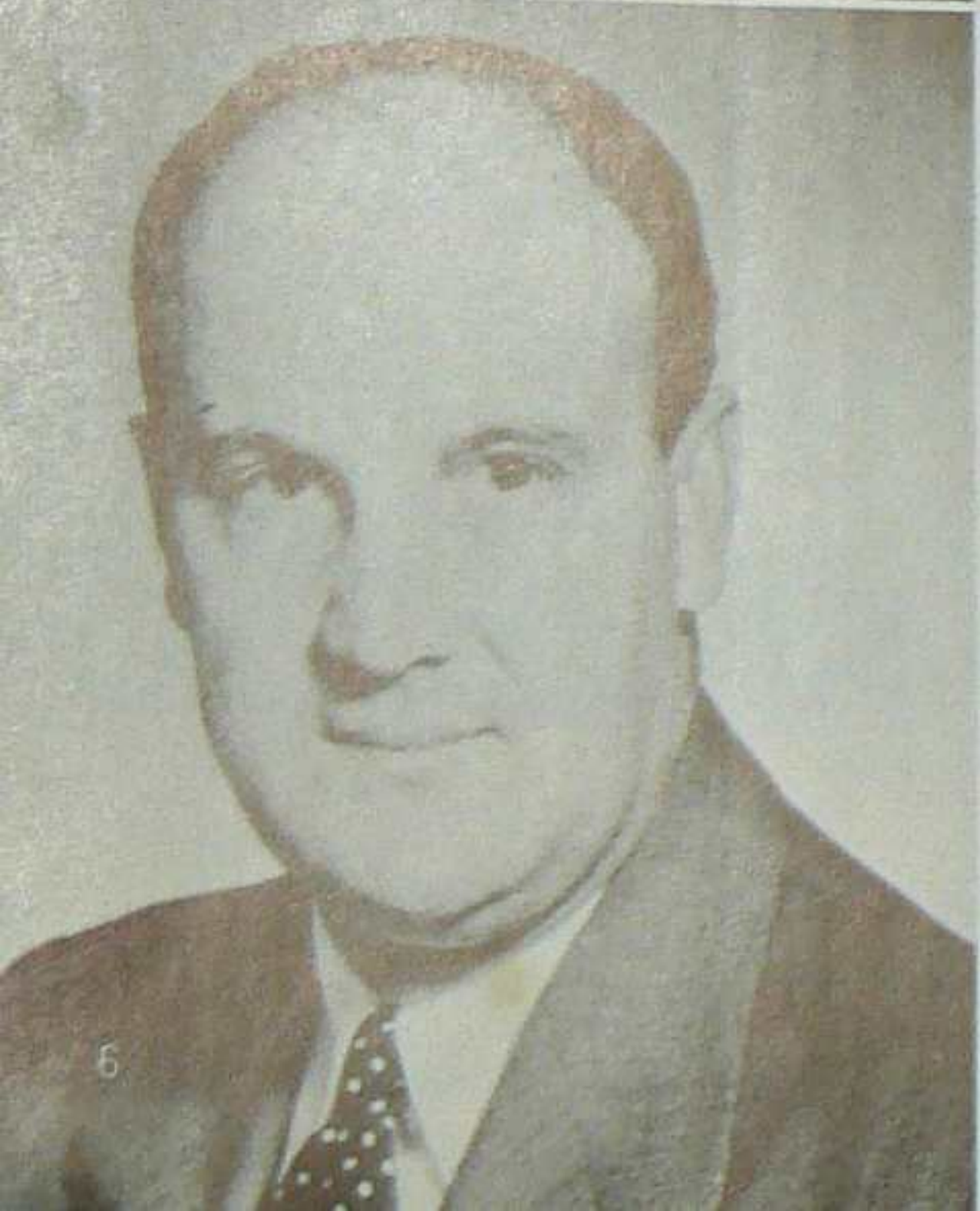
Dr. Morris F. Stubbs



Mrs. Eva Larrazolo  
Albuquerque, New Mexico



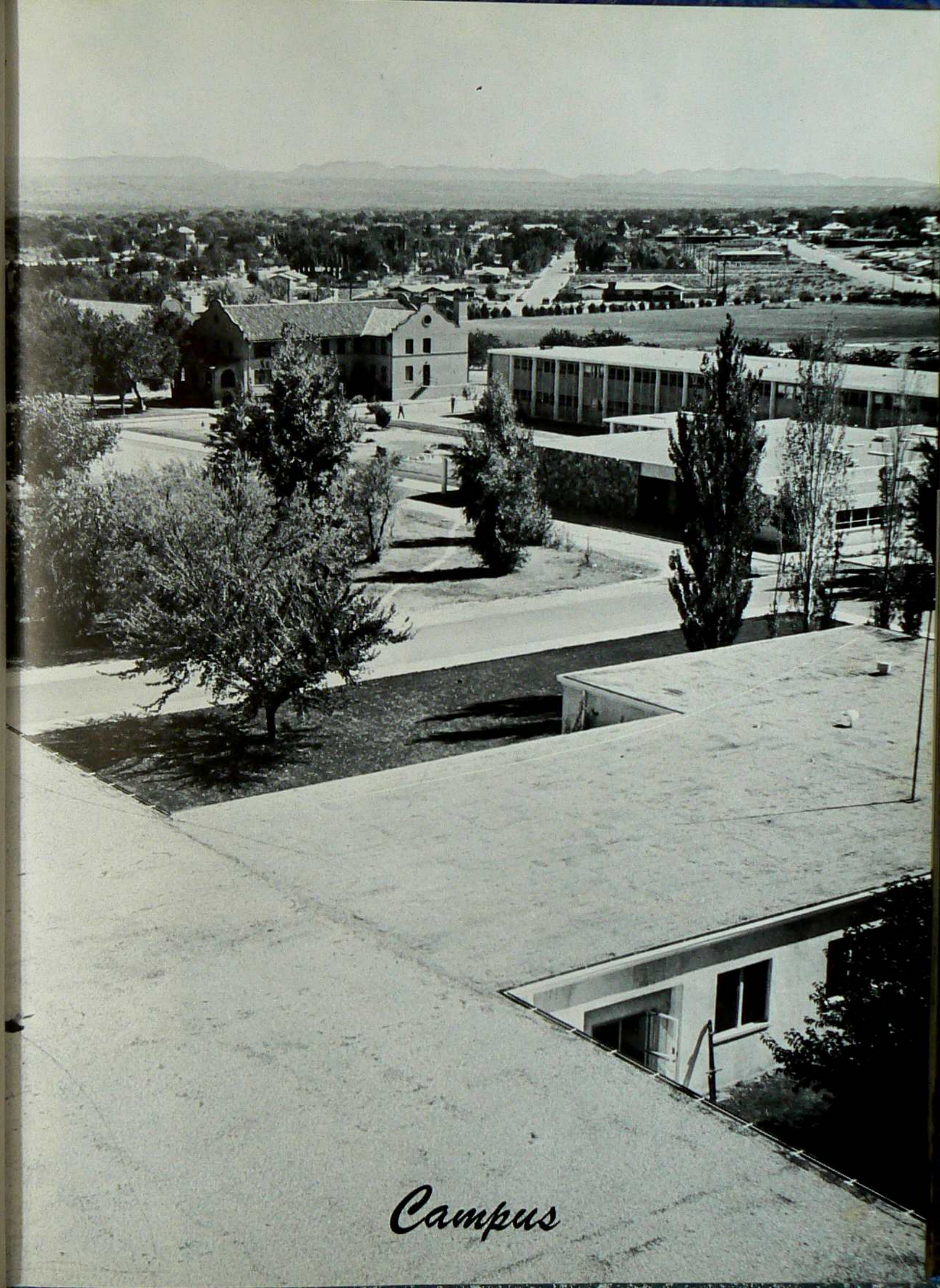
T. M. Cramer  
Carlsbad, New Mexico



F. C. DiLuzio  
Albuquerque, New Mexico

Not pictured are W. G. Abbott, Hobbs, New Mexico and  
H. Bursum, Jr., Socorro, New Mexico.

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*Campus*



## BROWN HALL

Awaiting the influx of new students, Brown Hall is the site of many hours for potential writers and sophomore geologists.

## BROWN ANNEX

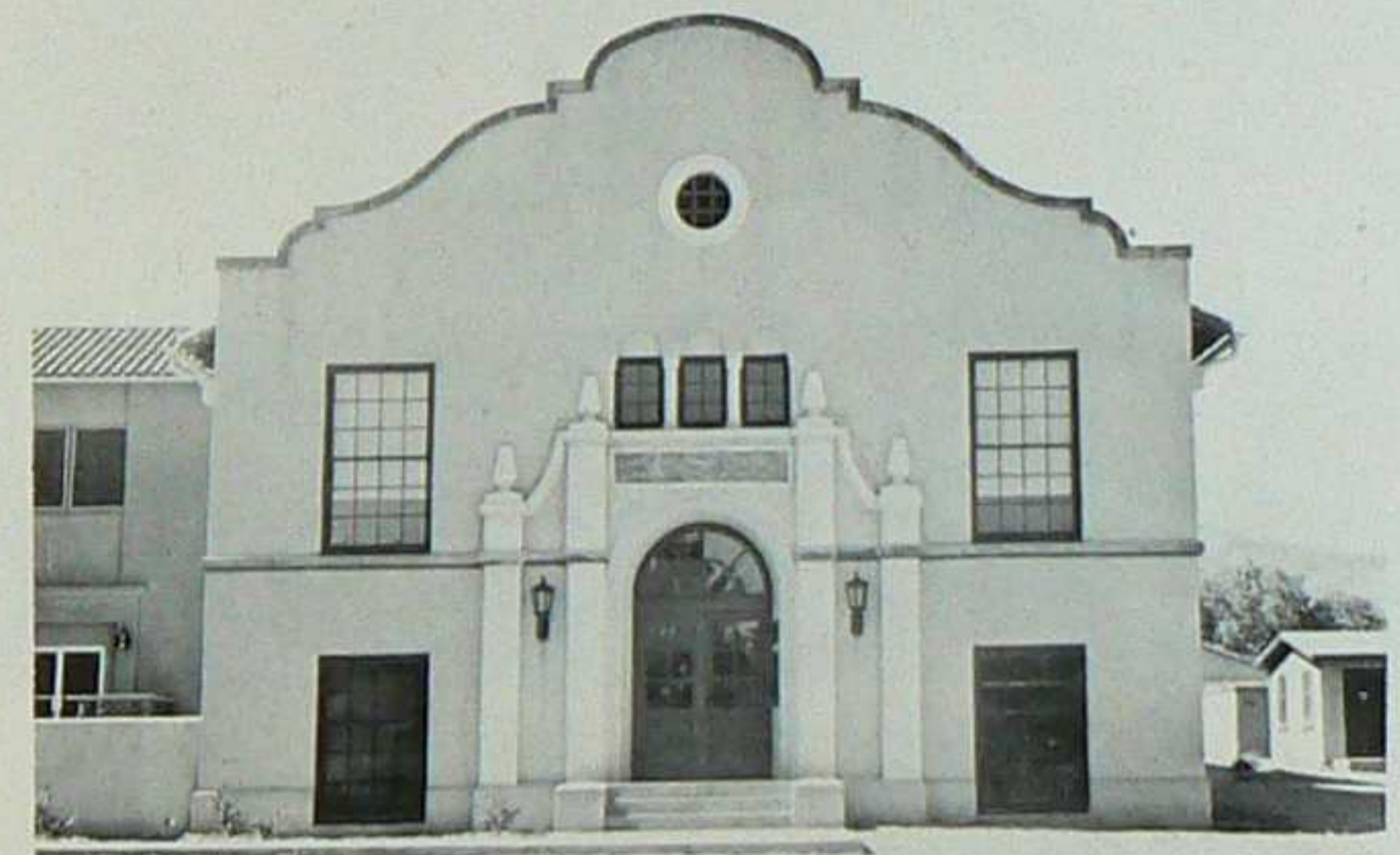
Work room for the EL ARRASTRE and PORPHYRY staffs, and laboratory for the radio club, is the remaining structure from the old Main Building, which burned in 1928.



## WEIR HALL

Expanded in 1962

Now housing the Mathematics, Physics, Petroleum Engineering, & Biology Departments, Weir Hall is distinguished by the following classical statement: "This is a trivial problem with an obvious solution."



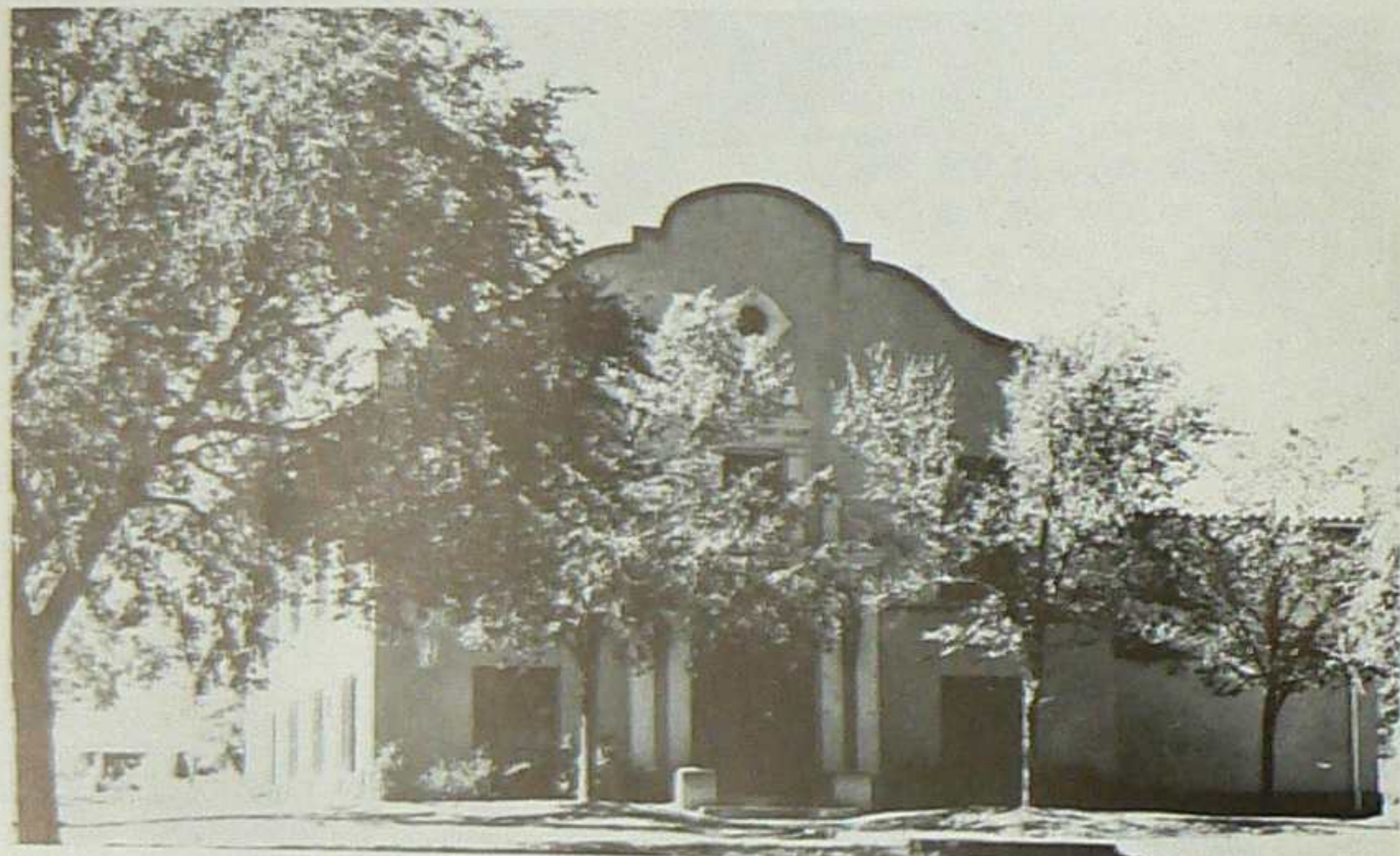


## SCIENCE HALL

Housing all four years of the Chemist's life.

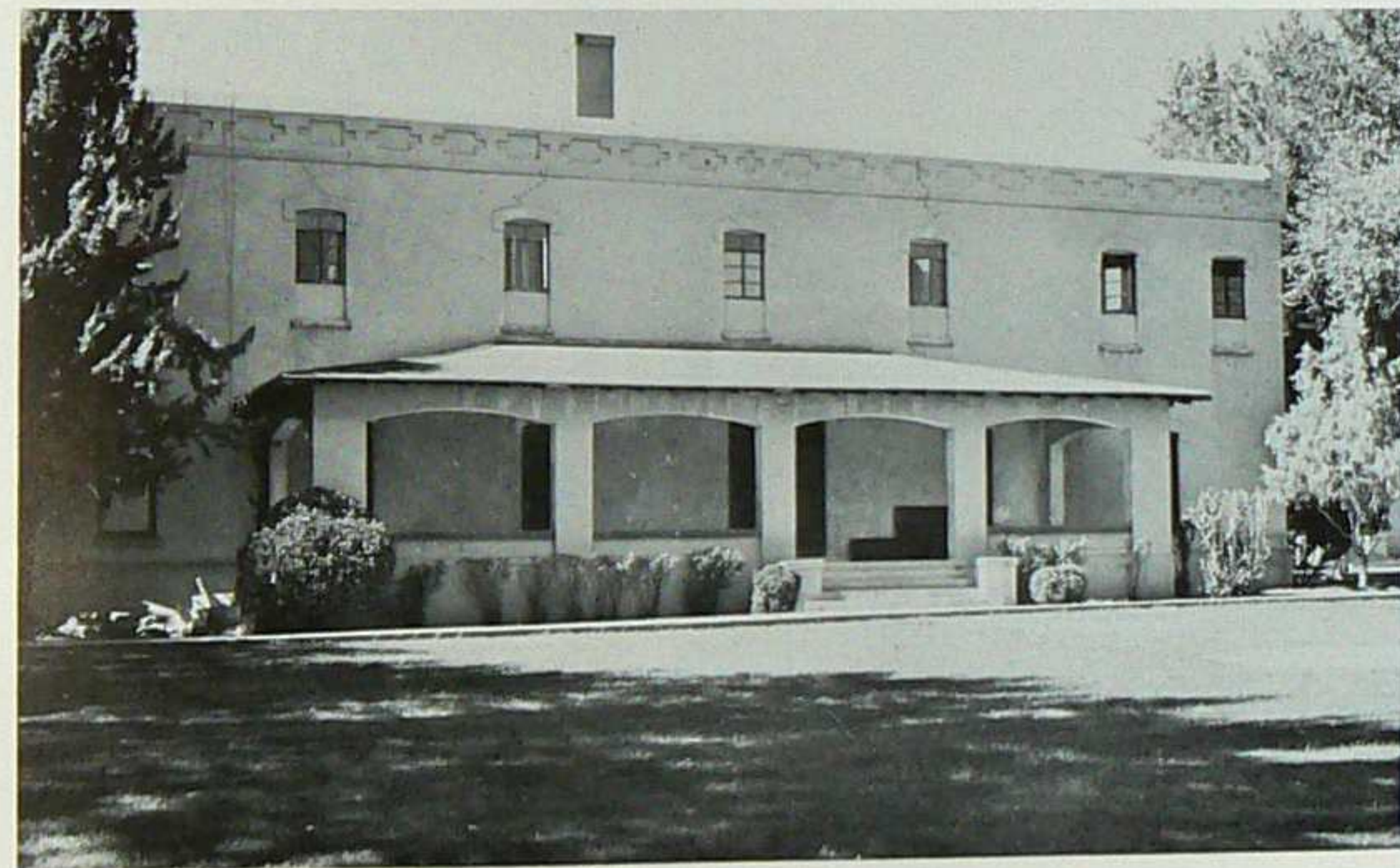


## METALLURGICAL LABORATORY



## WELLS HALL

College library



## DRISCOLL HALL

Redressed this year, because it was converted to a girls' dormitory



## GYMNASIUM

## FITCH HALL





PRESIDENTS HALL



GIBBONS APARTMENTS



NEW DORMITORY

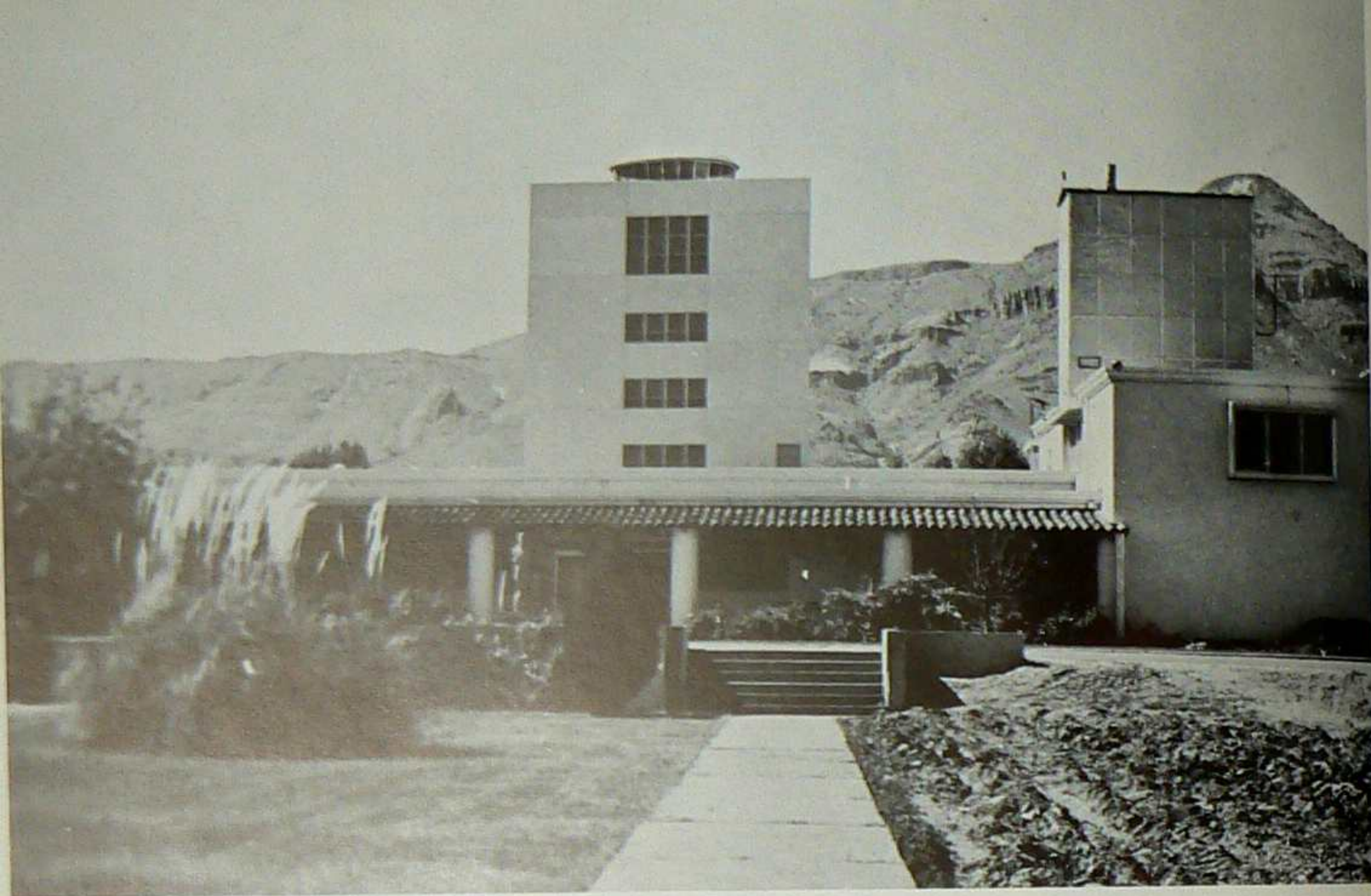


GRADUATE DORMITORY

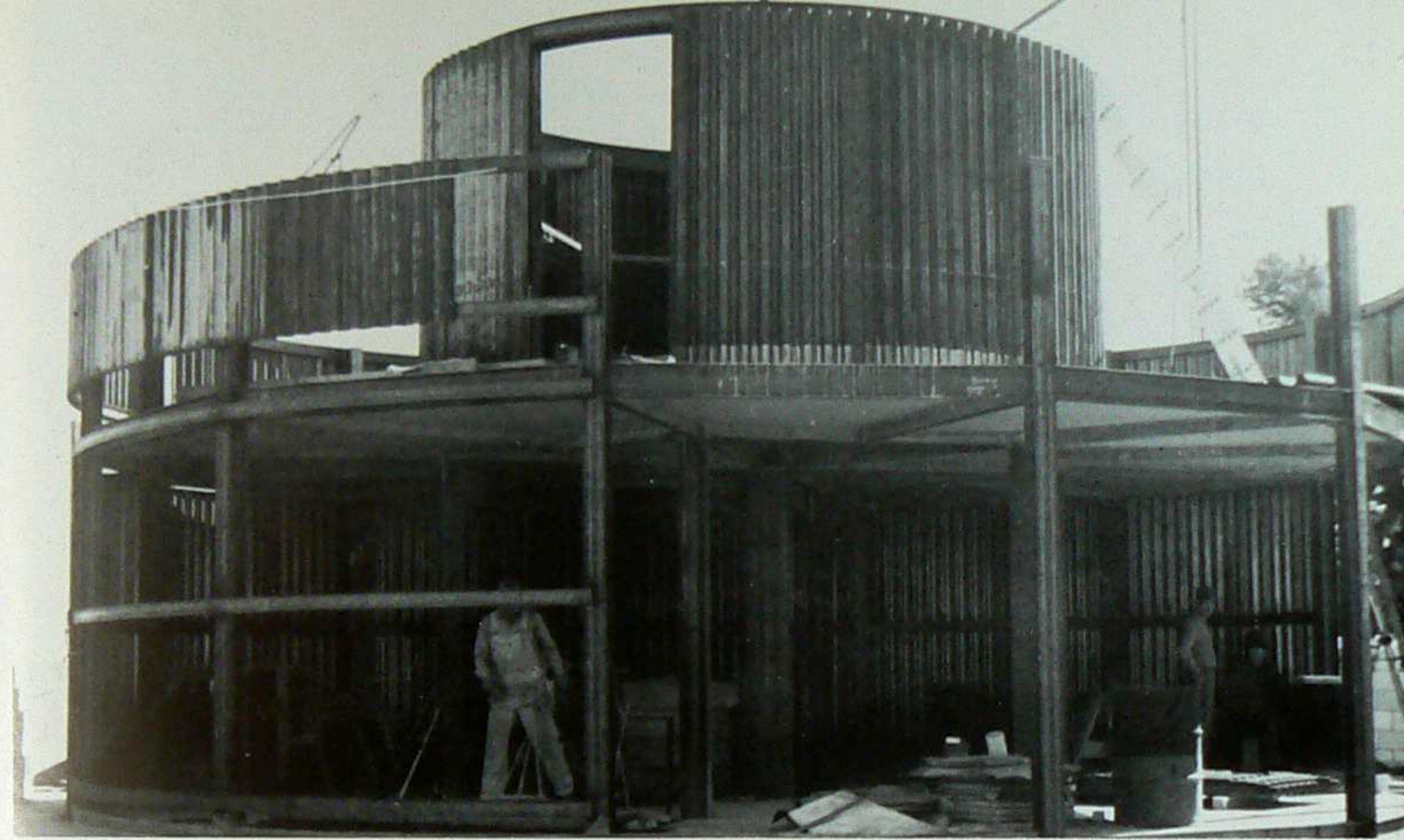
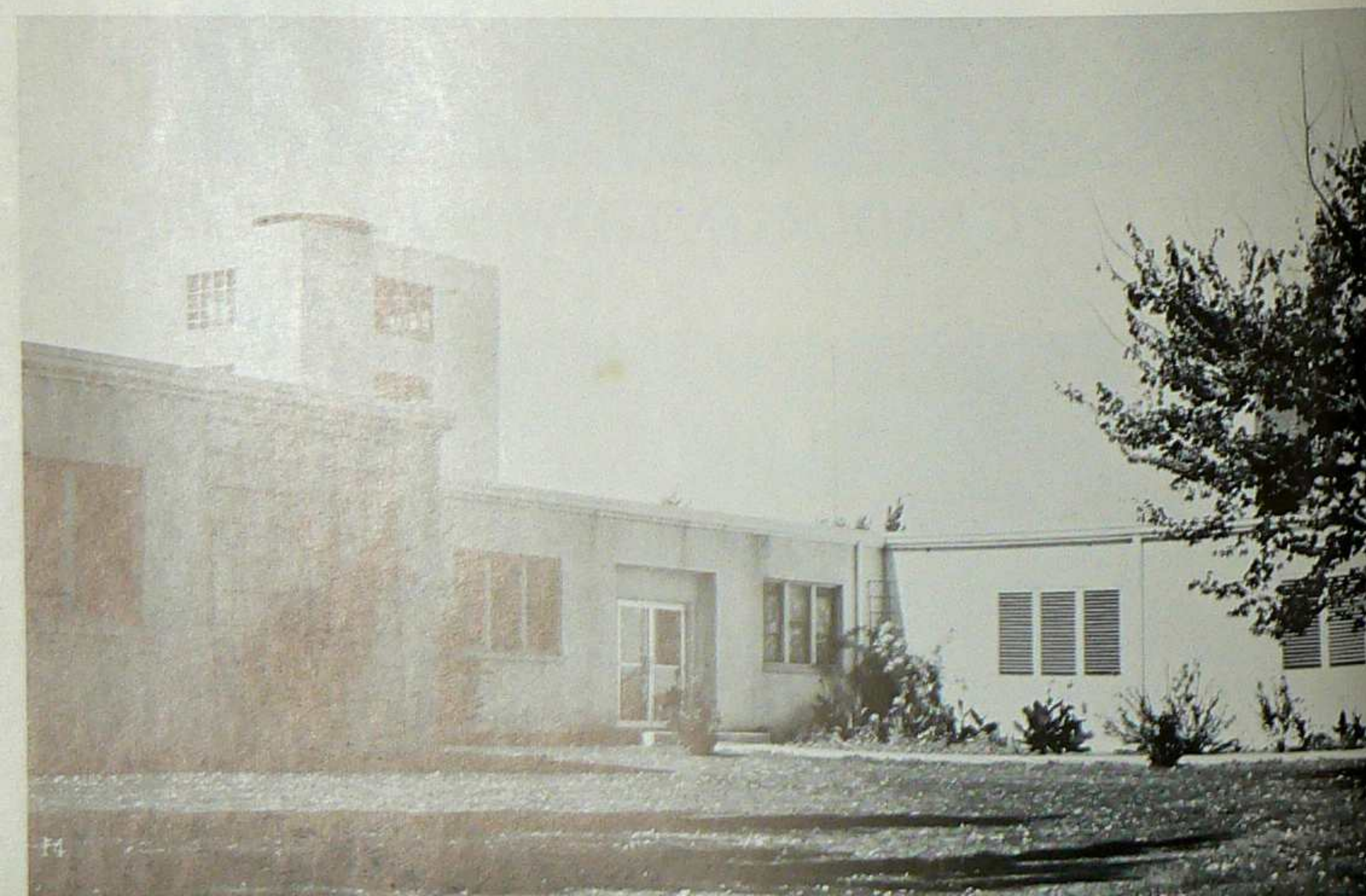
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In this building are located the Research and Development Division and the Bureau of Mines and Mineral Resources. Atop the tower, electrical and photographic equipment ride in a revolving cupola, capturing data of the stormy sky. Experiments in strength of Materials, x-ray crystallography, and mineral identification occupy Bureau personnel. A part of the Research Division, Task W, conducts experiments on strength of materials subjected to explosive forces in nearby Blue Canyon. The majority of undergraduate cooperative students find employment with this organization. Laboratories, offices, stockrooms, a library, a mineral museum, and Dr. Workman's residence are the chief features of the building.



## BALDY

On the sparsely treed top of Mountain Baldy stands a modern facility for scientific research, particularly concerning atmospheric electricity. The National Science Foundation financed this construction.







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Additional construction for recreational purposes including the third tennis court. This one is flooded with bright light.

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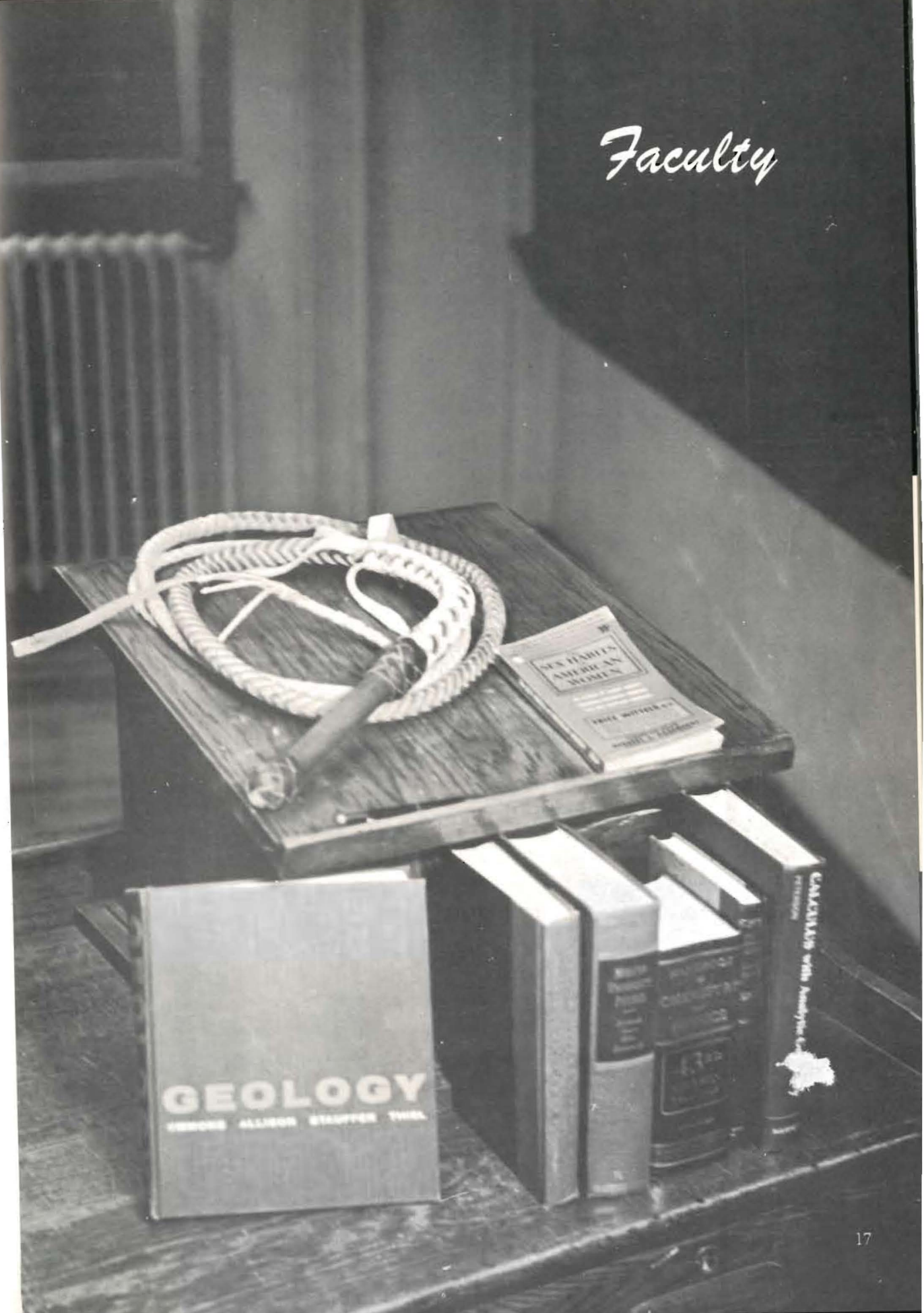
NMIMT boasts one of the better golf courses in New Mexico, and a golf pro to boot.

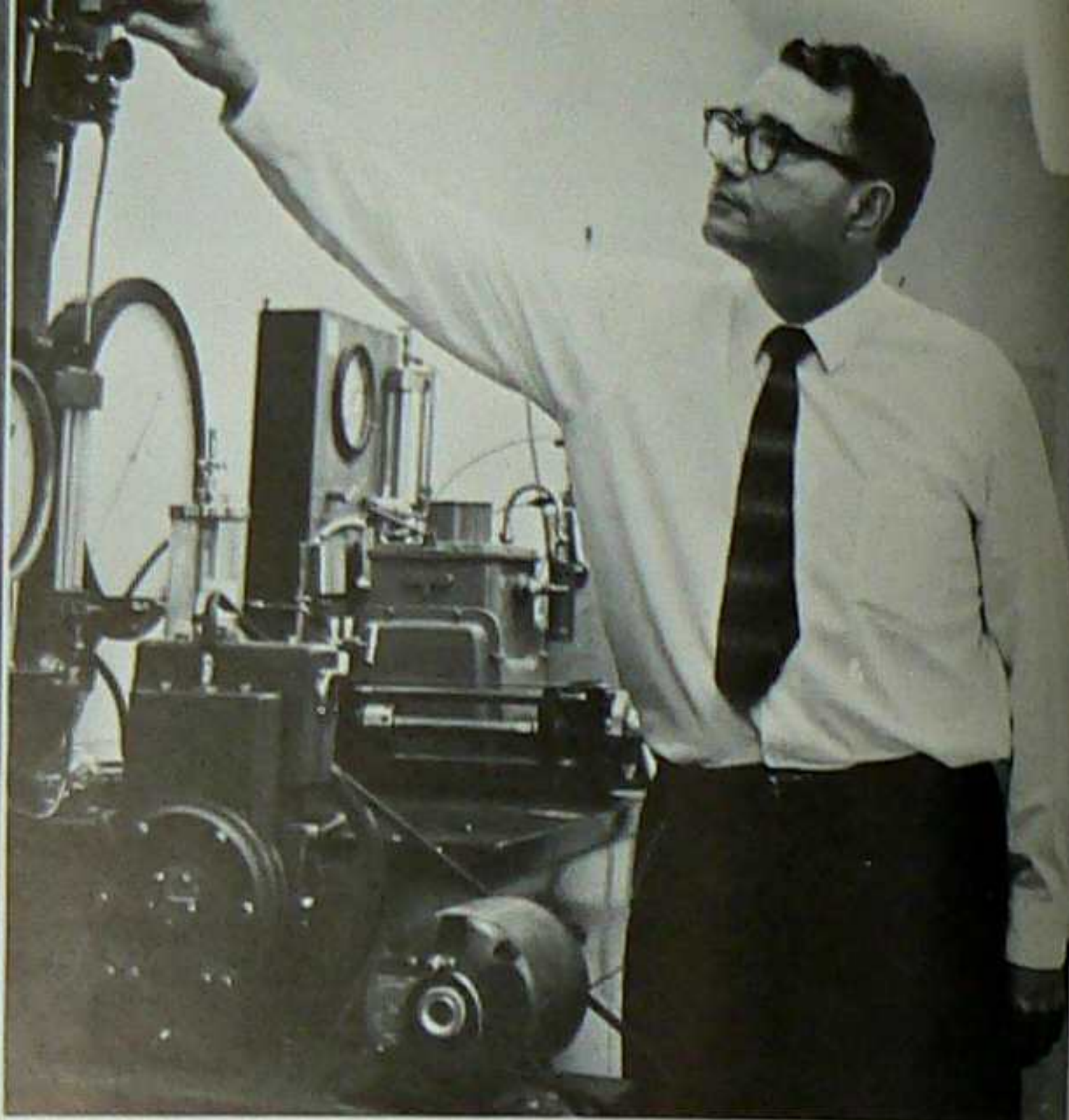
An immediately interesting feature of New Mexico Tech.

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*Faculty*





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

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

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

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

## DEPARTMENTS OF MINING METALLURGICAL & PETROLEUM ENGINEERING

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

GEORGE B. GRISWOLD  
*Associate Mining Engineer*  
MS UNIVERSITY of ARIZONA 1957

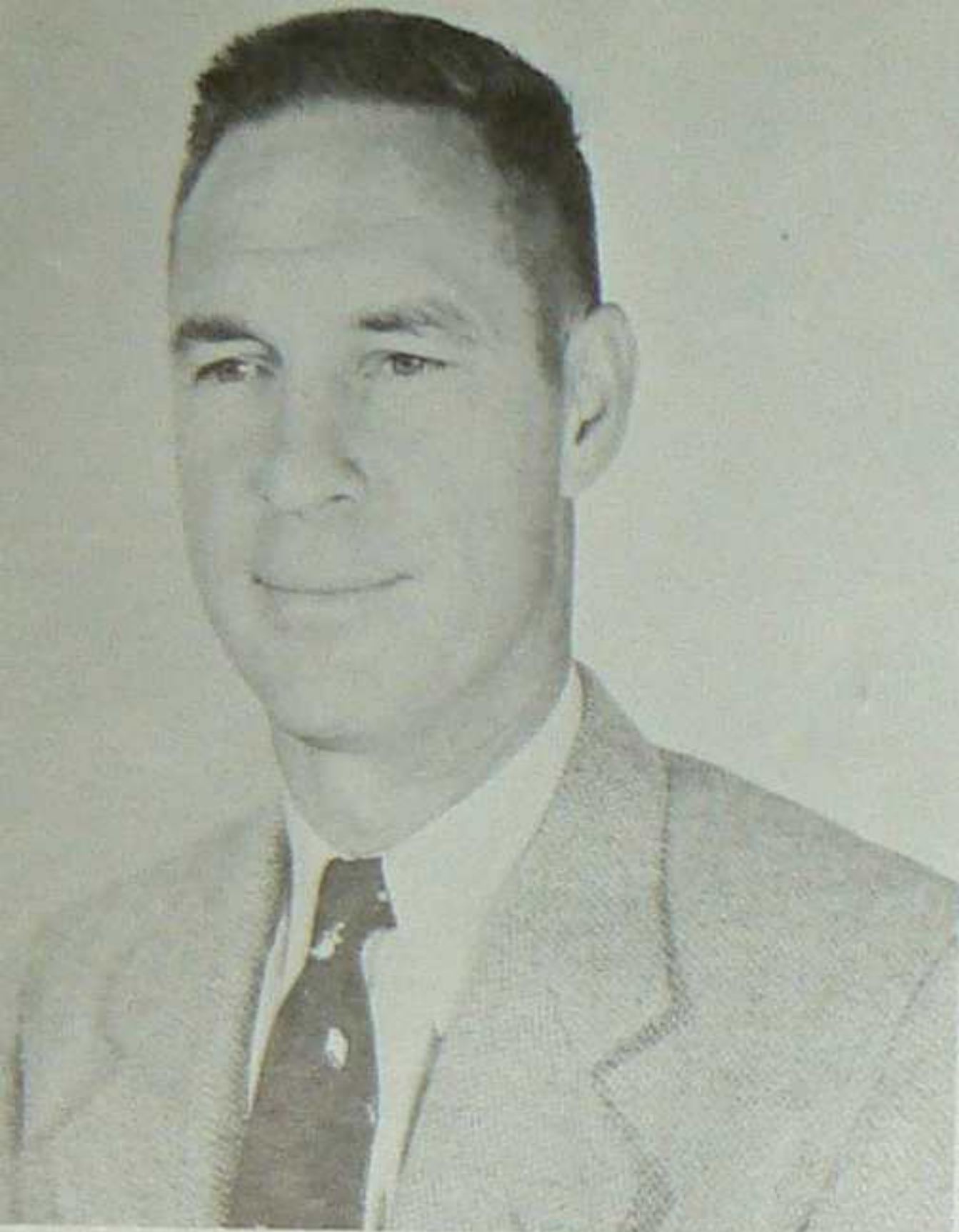


## DEPARTMENT OF MATHEMATICS

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

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





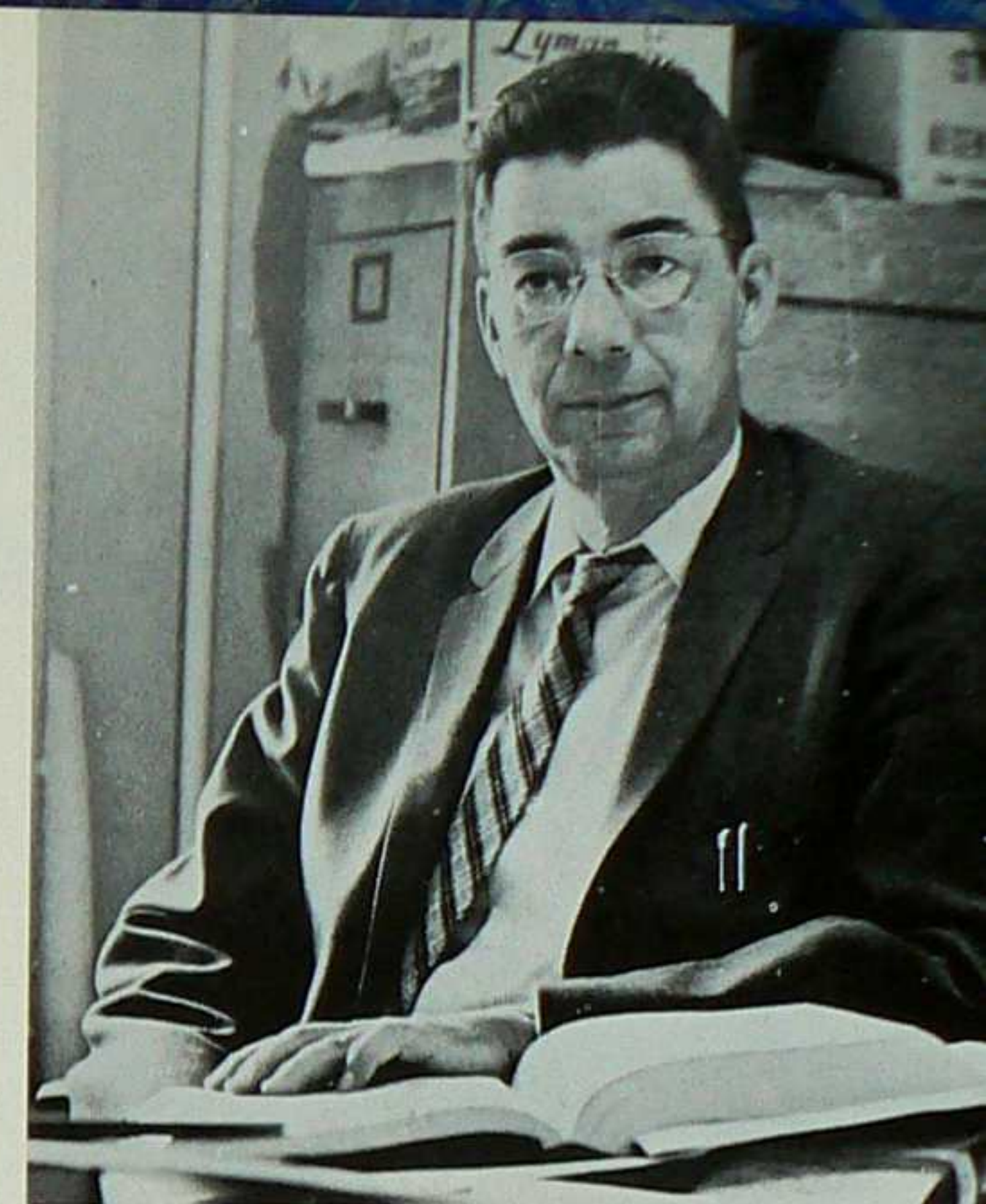
CLAY T. SMITH  
*Professor of Geology*  
*Head of the Department*  
PhD CALIFORNIA INSTITUTE of  
TECHNOLOGY 1943



CHRISTINA L. BALK  
*Professor of Geology*  
PhD JOHN HOPKINS UNIVERSITY 1933



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



HOWARD E. SYLVESTER  
*Professor of Humanities*  
*Head of the Department*  
PhD UNIVERSITY of WASHINGTON 1954

## DEPARTMENTS OF GEOLOGY AND BIOLOGY

ANTONIUS J. BUDDING  
*Assistant Professor of Geology*  
PhD UNIVERSITY of AMSTERDAM 1951



F. CLIFFORD JOHNSON  
*Assistant Professor of Biology*  
PhD UNIVERSITY of TEXAS 1960



## DEPARTMENT OF HUMANITIES

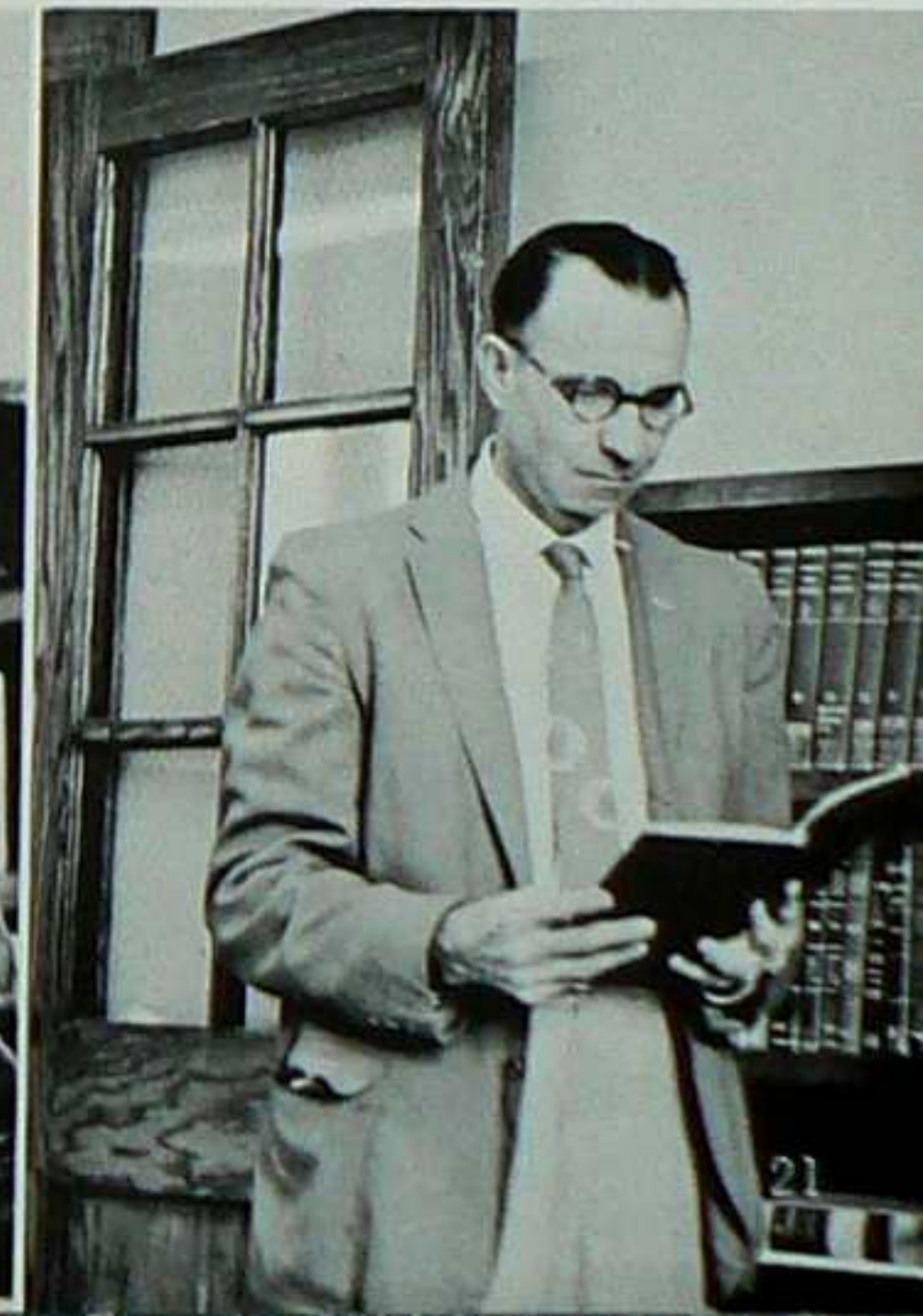
PAIGE W. CHRISTIANSEN  
*Assistant Professor of Humanities*  
PhD UNIVERSITY of CALIFORNIA 1959

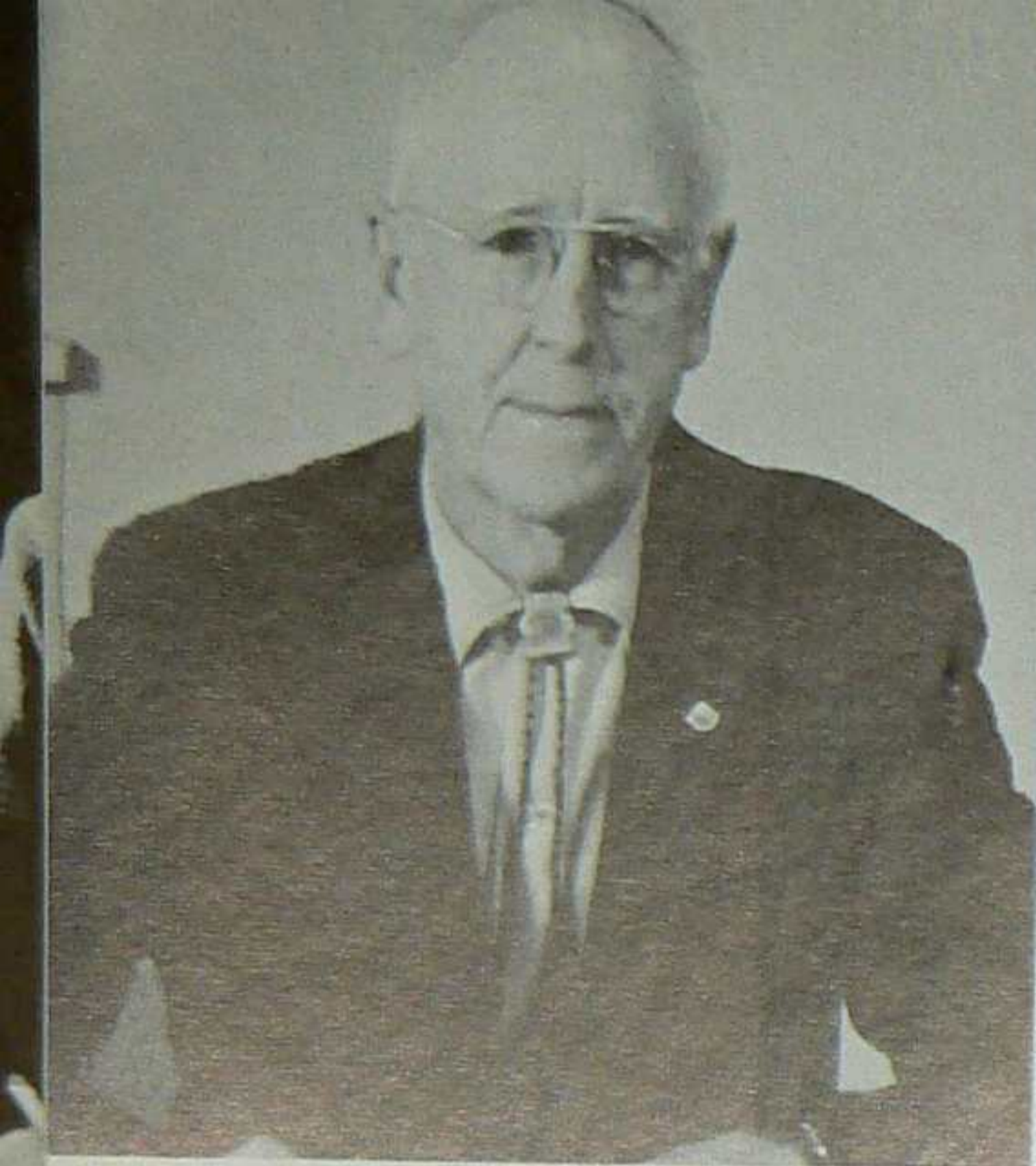


ROBERT P. JEFFRIES  
*Artist in Residence*  
MA UNIVERSITY of NEW MEXICO 1950



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



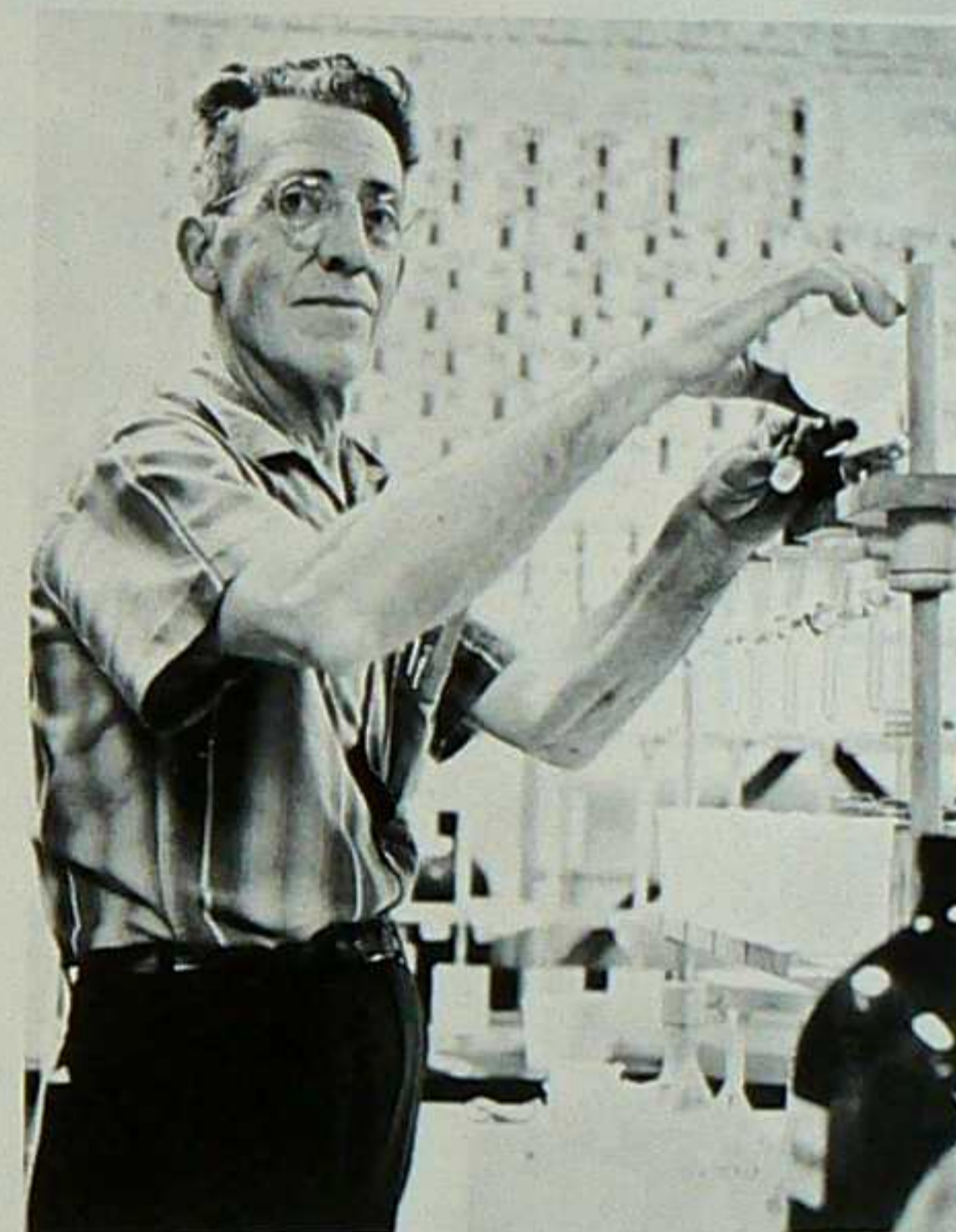


MORRIS F. STUBBS  
*Professor of Chemistry*  
*Head of Department*  
PhD UNIVERSITY of CHICAGO 1931

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WAYNE R. OHLIN  
*Assistant Professor of Chemistry*  
PhD NORTHWESTERN UNIVERSITY 1960



DEXTER H. REYNOLDS  
*Assisting Professor*  
*of Chemistry*  
PhD UNIVERSITY of ILLINOIS 1936

JOSEPH A. SCHUFLE  
*Professor of Chemistry*  
PhD WESTERN RESERVE UNIVERSITY 1948



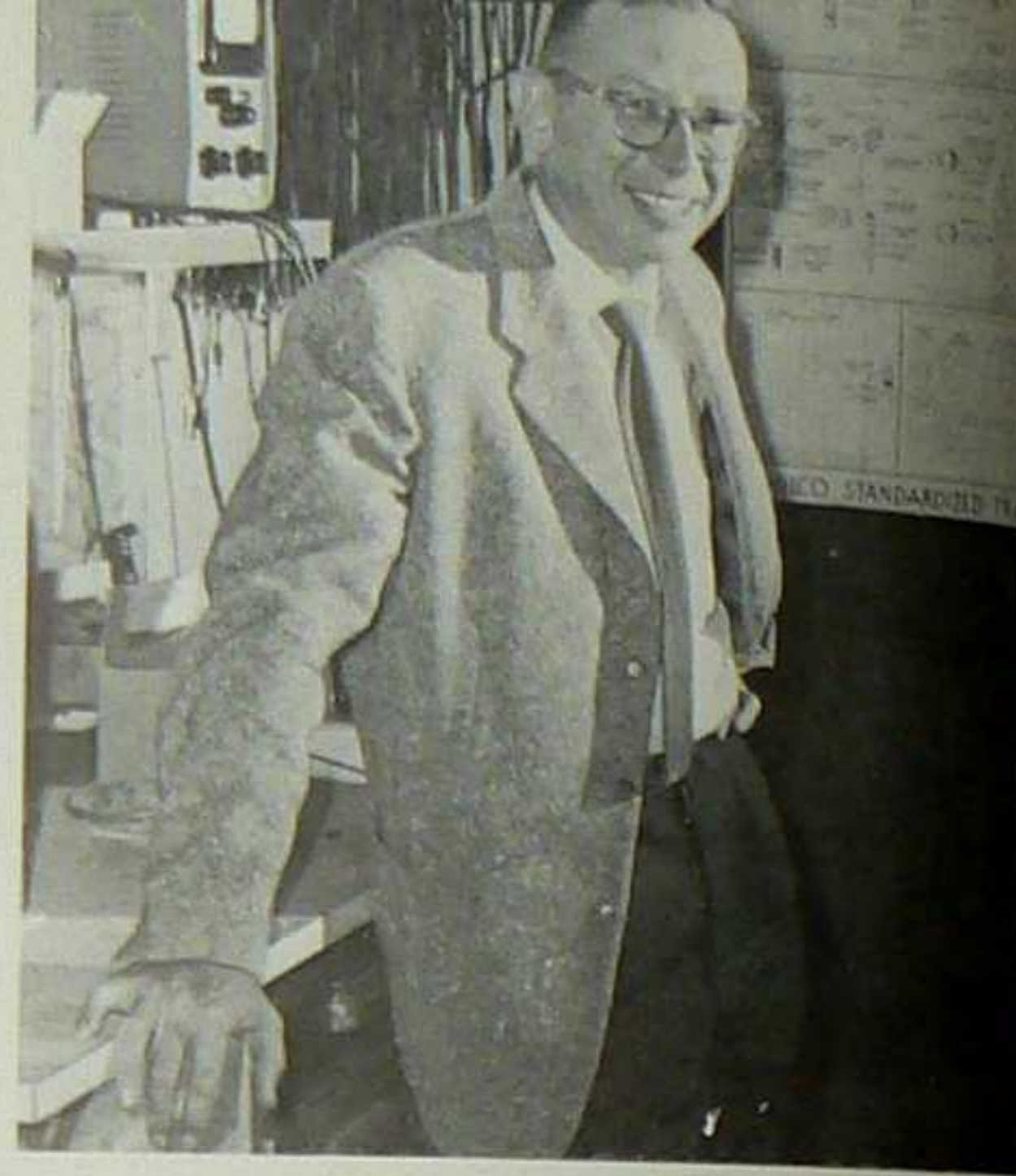
KAY R. PROWEE  
*Associate Professor of Chemistry*  
PhD BRIGHAM YOUNG UNIVERSITY 1955



ALAN W. COBB  
*Assisting Professor of Chemistry*  
PhD UNIVERSITY of WISCONSIN 1936



**MARVIN H. WILKENING**  
*Professor of Physics and Geophysics*  
*Head of the Department*  
 PhD ILLINOIS INSTITUTE of TECHNOLOGY 1949



**MARX BROOK**  
*Professor of Physics*  
*Senior Physicist*  
 PhD UNIVERSITY of CALIFORNIA 1953



**CHARLES R. HOLMES**  
*Associate Professor of Geophysics*  
*Senior Geophysicist*  
 PhD PENNSYLVANIA STATE UNIVERSITY 1957



**ALLAN SANFORD**  
*Associate Geophysicist and*  
*Assistant Professor of Geophysics*  
 PhD CALIFORNIA INSTITUTE OF TECHNOLOGY 1957

DEPARTMENT

OF PHYSICS

**LESLIE D. FALLON**  
*Associate Professor of Physics*  
 PhD YALE UNIVERSITY 1939



**ROSS LOMANITZ**  
*Assistant Professor of Physics*  
*Associate Physicist*  
 PhD CORNELL UNIVERSITY 1950



**WILLIAM HUME**  
*Professor of Physics*  
 PhD JOHN HOPKINS UNIVERSITY 1934



**E. J. WORKMAN**  
*Professor of Physics*  
 PhD UNIVERSITY of VIRGINIA 1930





JOHN FANTA, JR.  
*Director of Student Affairs and  
Assistant Professor of Education*  
MED WASHINGTON STATE  
UNIVERSITY 1956



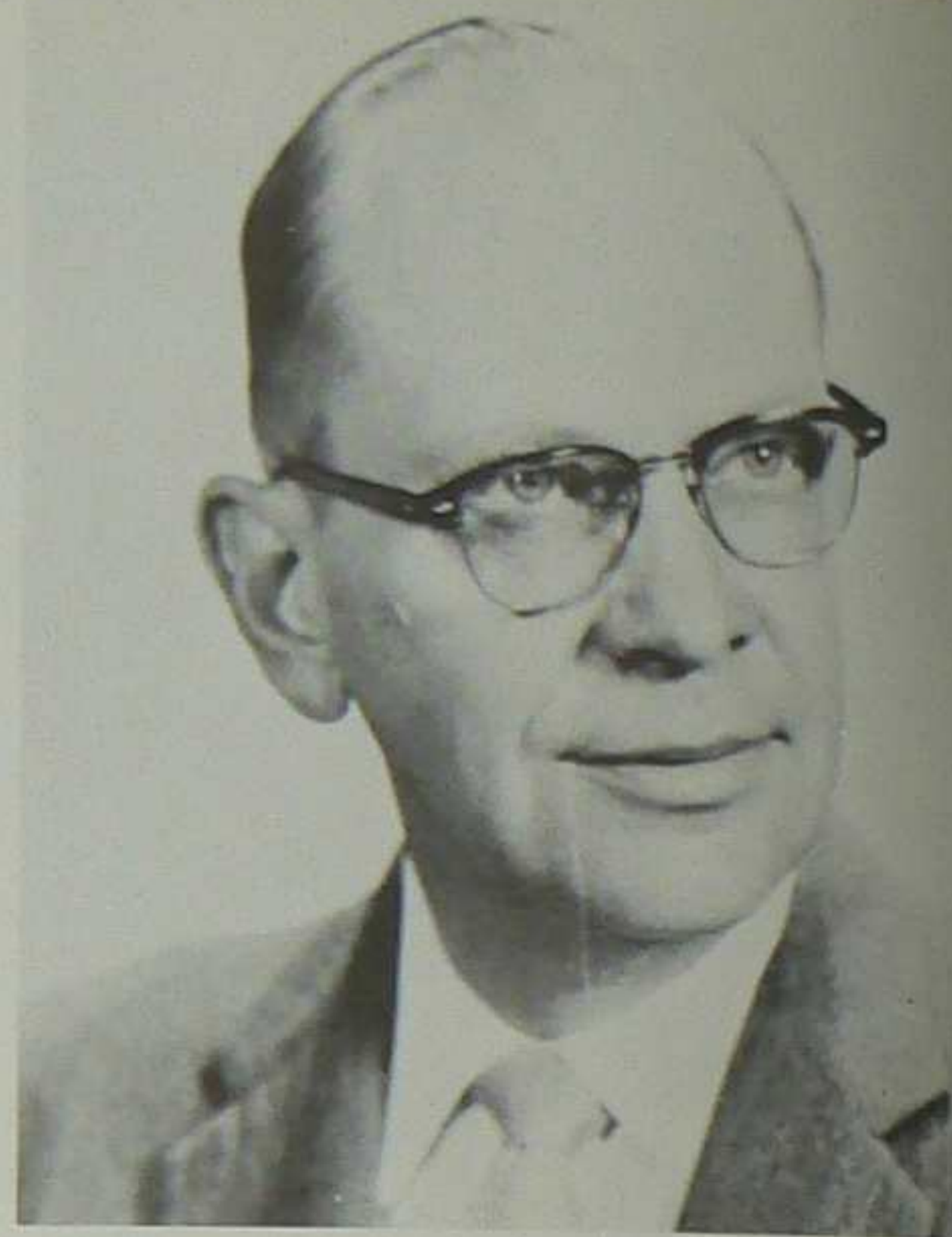
HAROLD P. WELLS  
*Associate Professor of  
Physical Education  
Head of the Department*  
PhD UNIVERSITY of  
ILLINOIS 1958

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

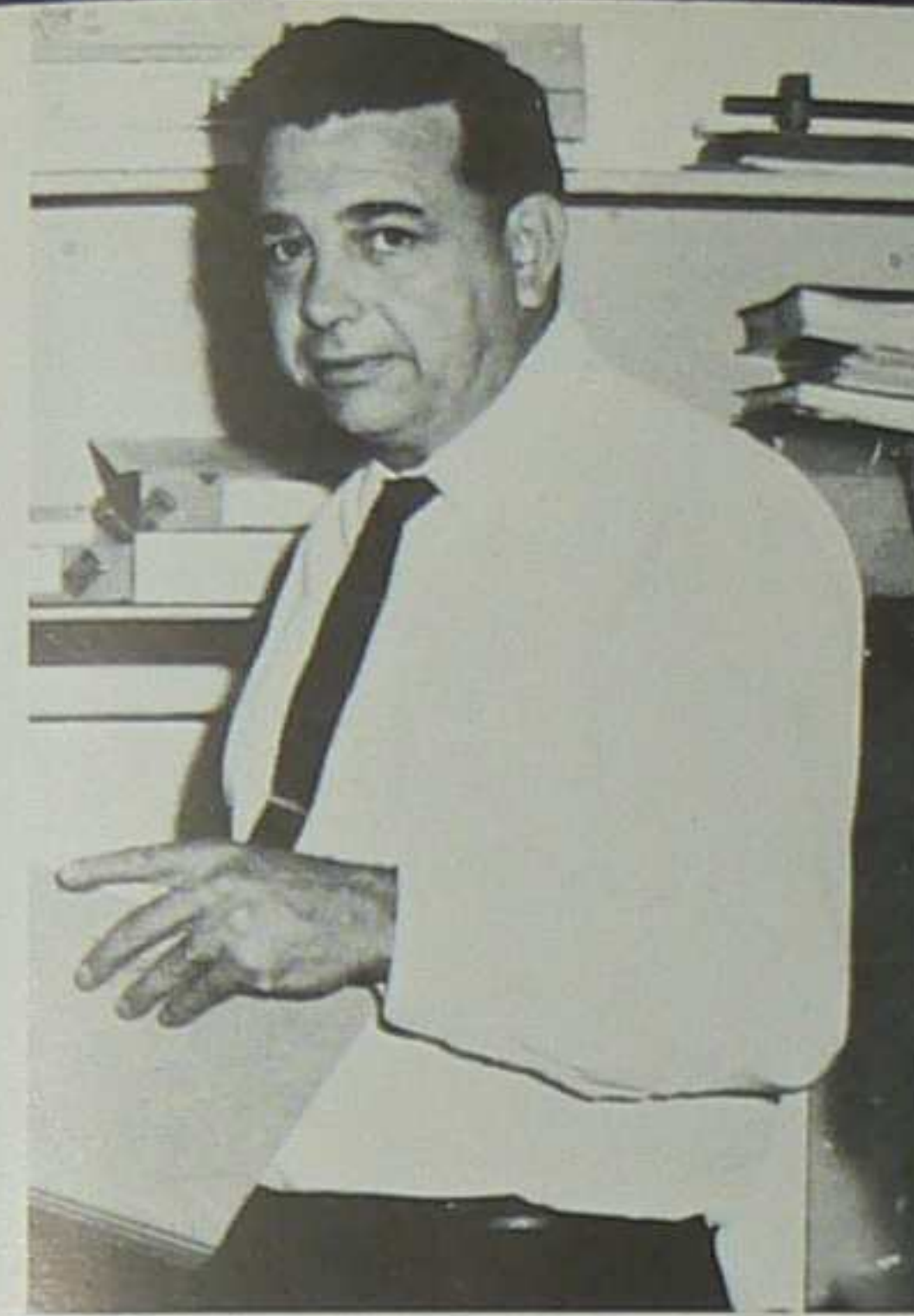




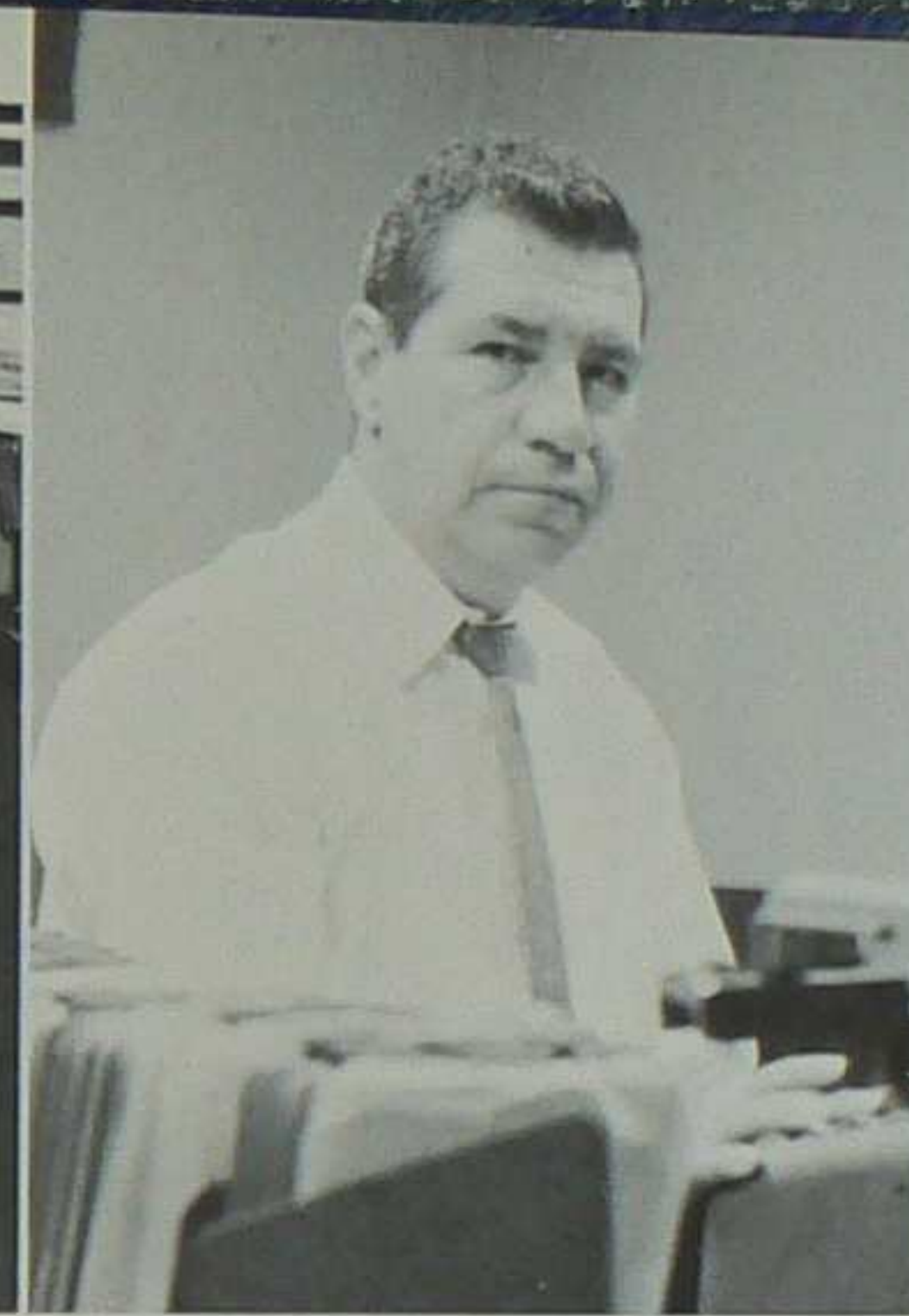
REGISTRAR  
Arthur P. Stanton



BUSINESS MANAGER  
Howard E. Manning



ADMINISTRATIVE AIDE  
Alfred A. Coulloudon



BOOKKEEPER  
Joseph M. Martinez



BUSINESS OFFICE STAFF  
Robert Romero  
Mabel Eddlemon  
Nettie Sadusuk

## STUDENT AFFAIRS STAFF

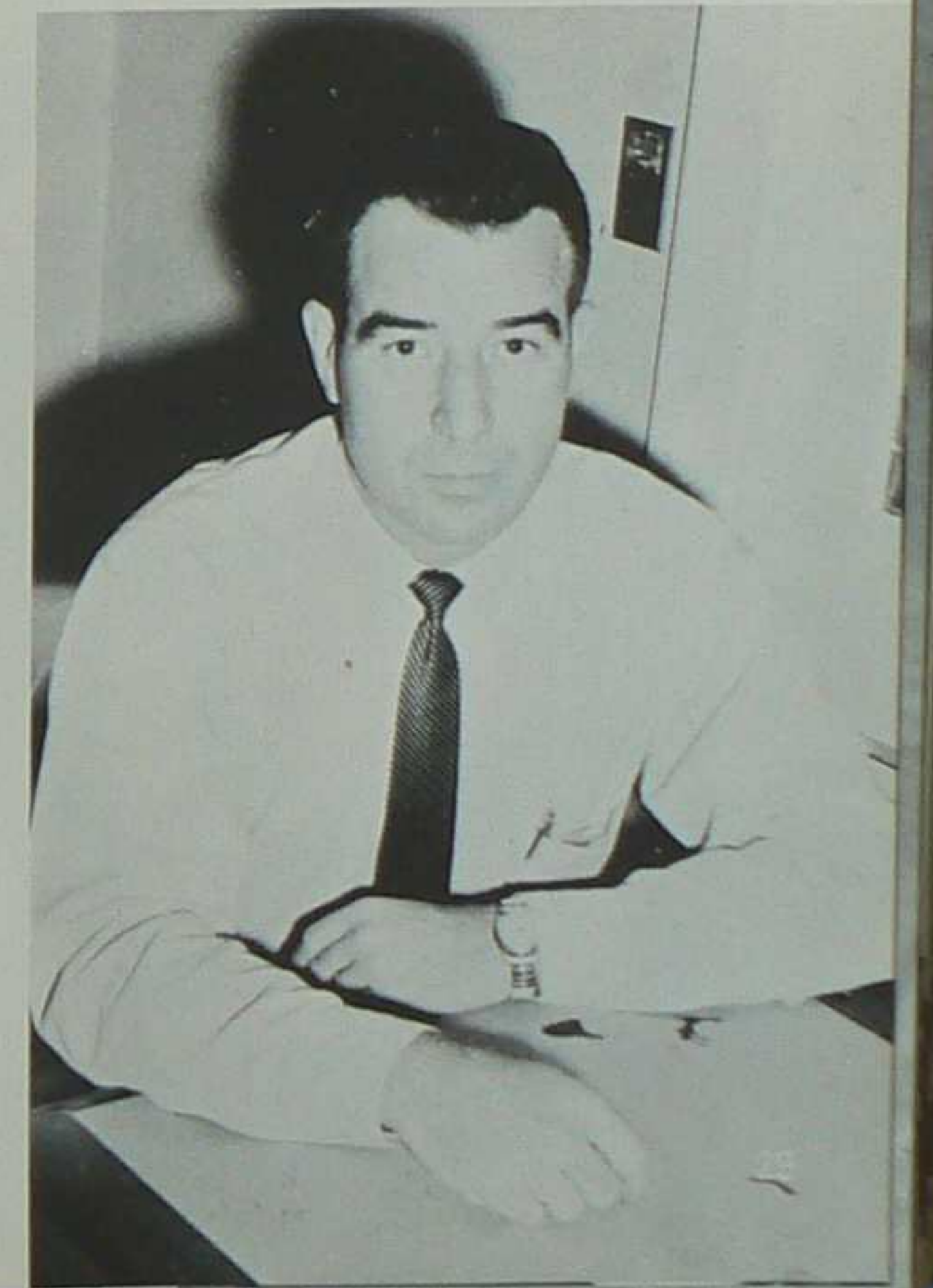
Linda Martin



Sharla Vandevender



DIRECTOR OF STUDENT AFFAIRS  
John Fanta, Jr.



ADMINISTRATIVE  
SECRETARY  
Maud W. Tidd



ADMINISTRATIVE  
SECRETARY  
Mabel Eddlemon



SECRETARY  
to the  
REGISTRAR  
Virginia Marquez





DIETICIAN  
Mary Jane Pate



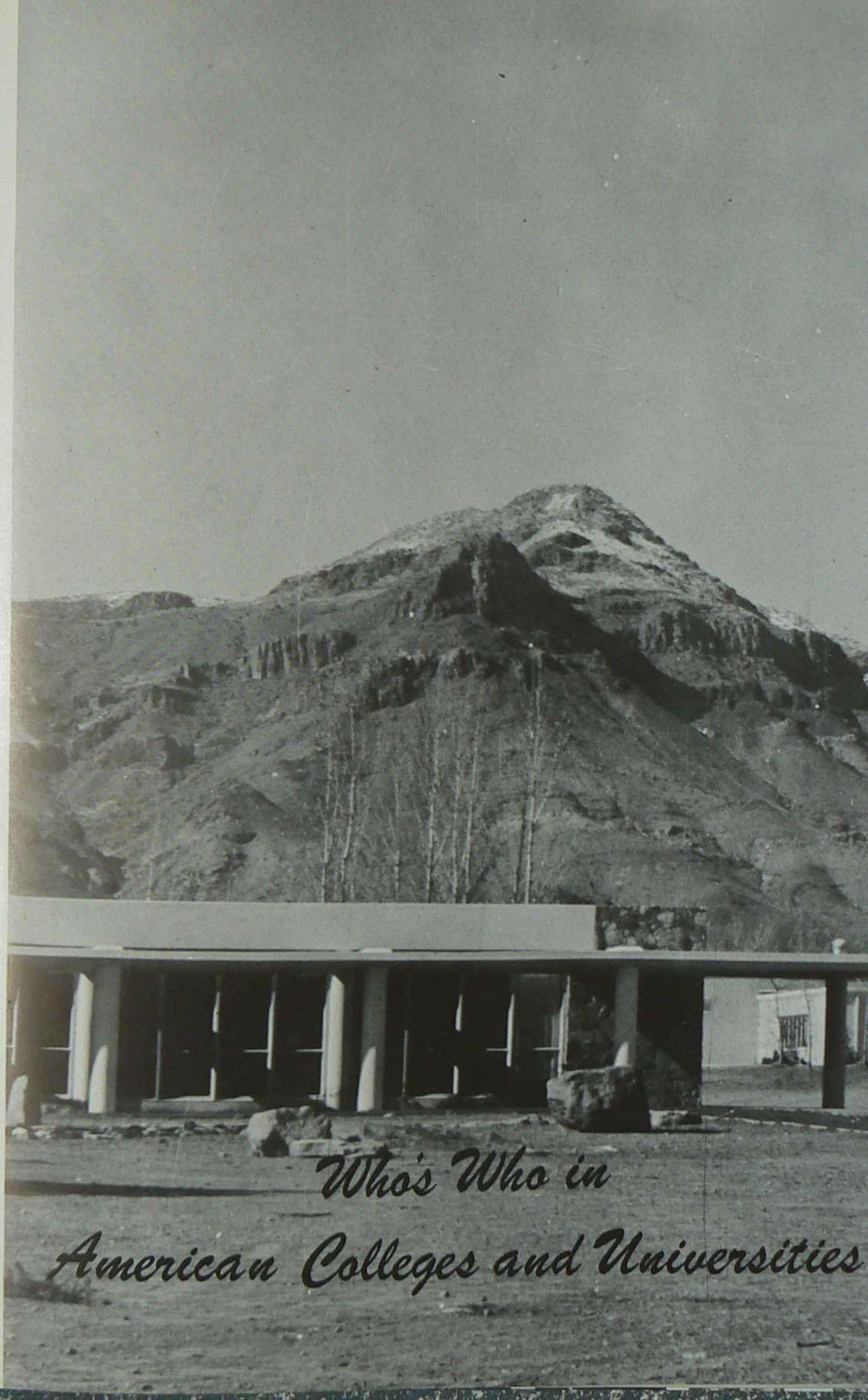
CANTEEN MANAGER  
Oma Johnston

## CAFETERIA



### CAFETERIA STAFF

Jose Lopez, Tony Gutierrez, Mary Ratzlaff, Sadie Markland, Grace Duggins, Pete Silva, George Armijo, Arthur Gallegos, and Herman Trujillo.



*Who's Who in  
American Colleges and Universities*



A R C T I C O C E A N



WHO'S WHO

Lewis Halseger

Gene Woody

Paul Seagraves

Jerry Charlton



Seniors



SENIOR CLASS OFFICERS

Dennis Darnali  
President

Roger Carr  
Vice President

Jeff Cooke  
Secretary-Treasurer

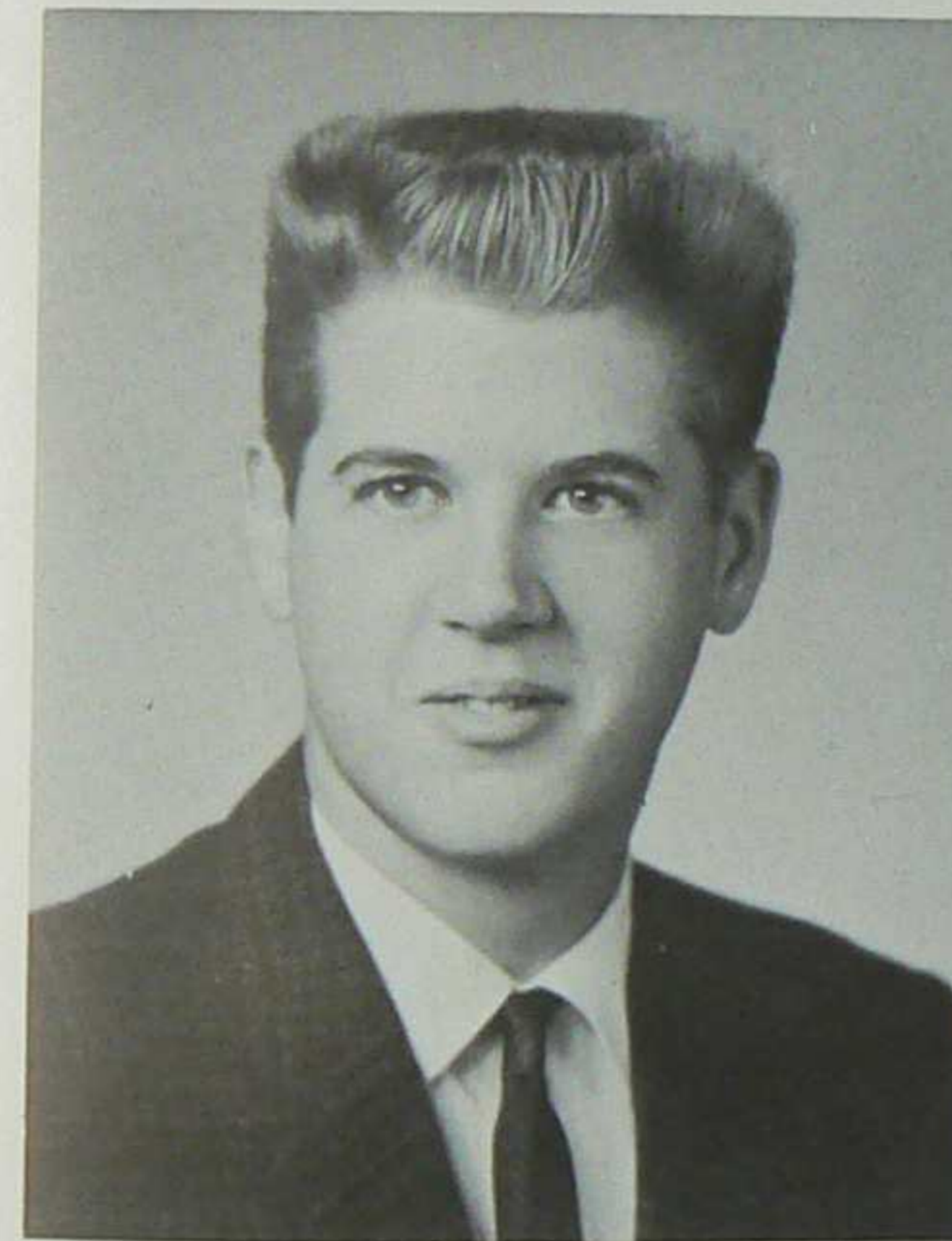
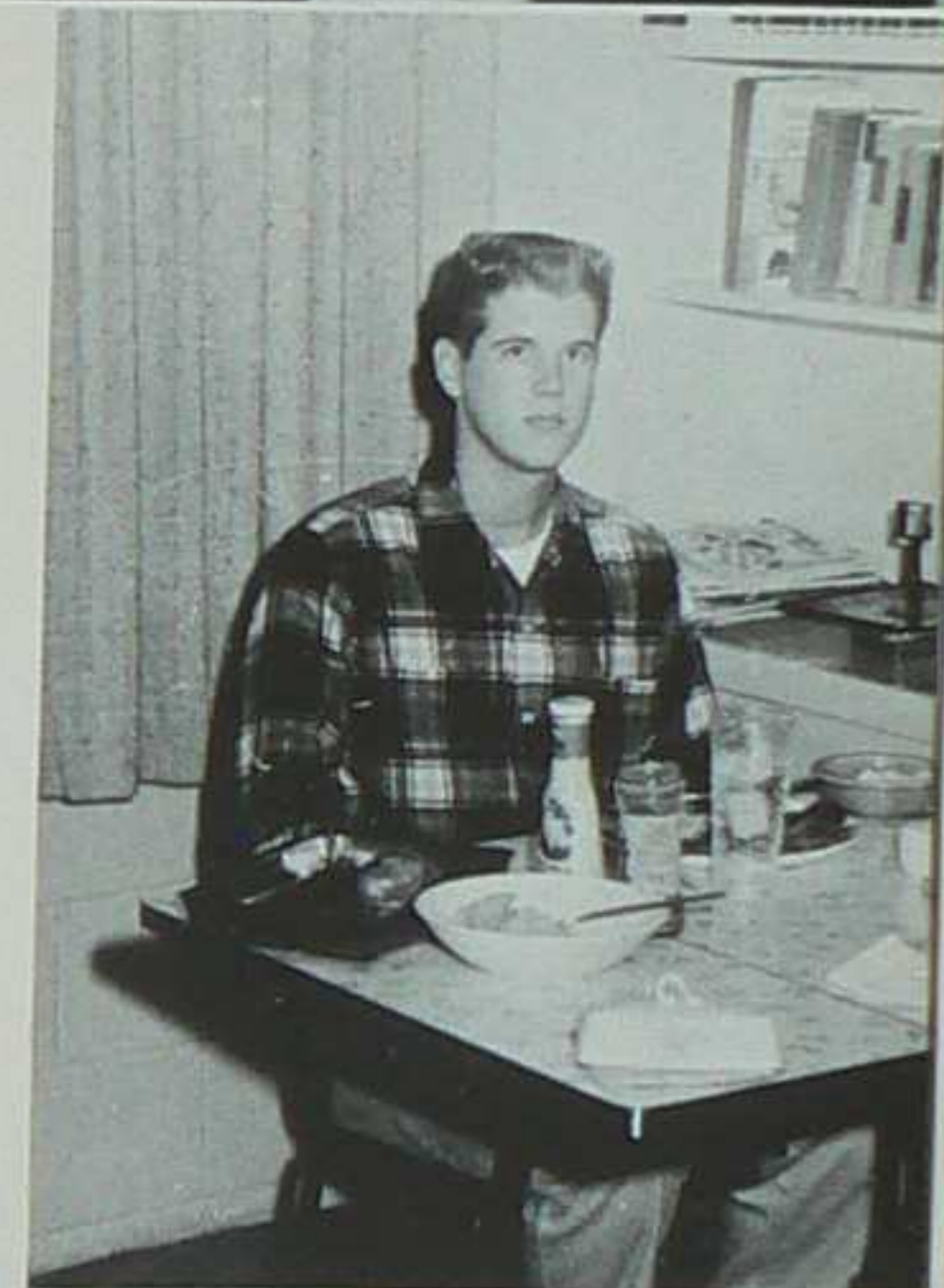
Hugh Woody  
Student Council  
Representative



LEWIS R. BALLENGER  
Jal, New Mexico  
PHYSICS  
*Physics-Geophysics Club,  
President  
Intramurals  
Photography Club  
PORPHYRY Staff  
First Place ACF Technical  
Writing Contest*



ROGER B. CARR  
Melrose, Massachusetts  
CHEMISTRY  
*Vice-President Senior Class  
Chemistry Club*



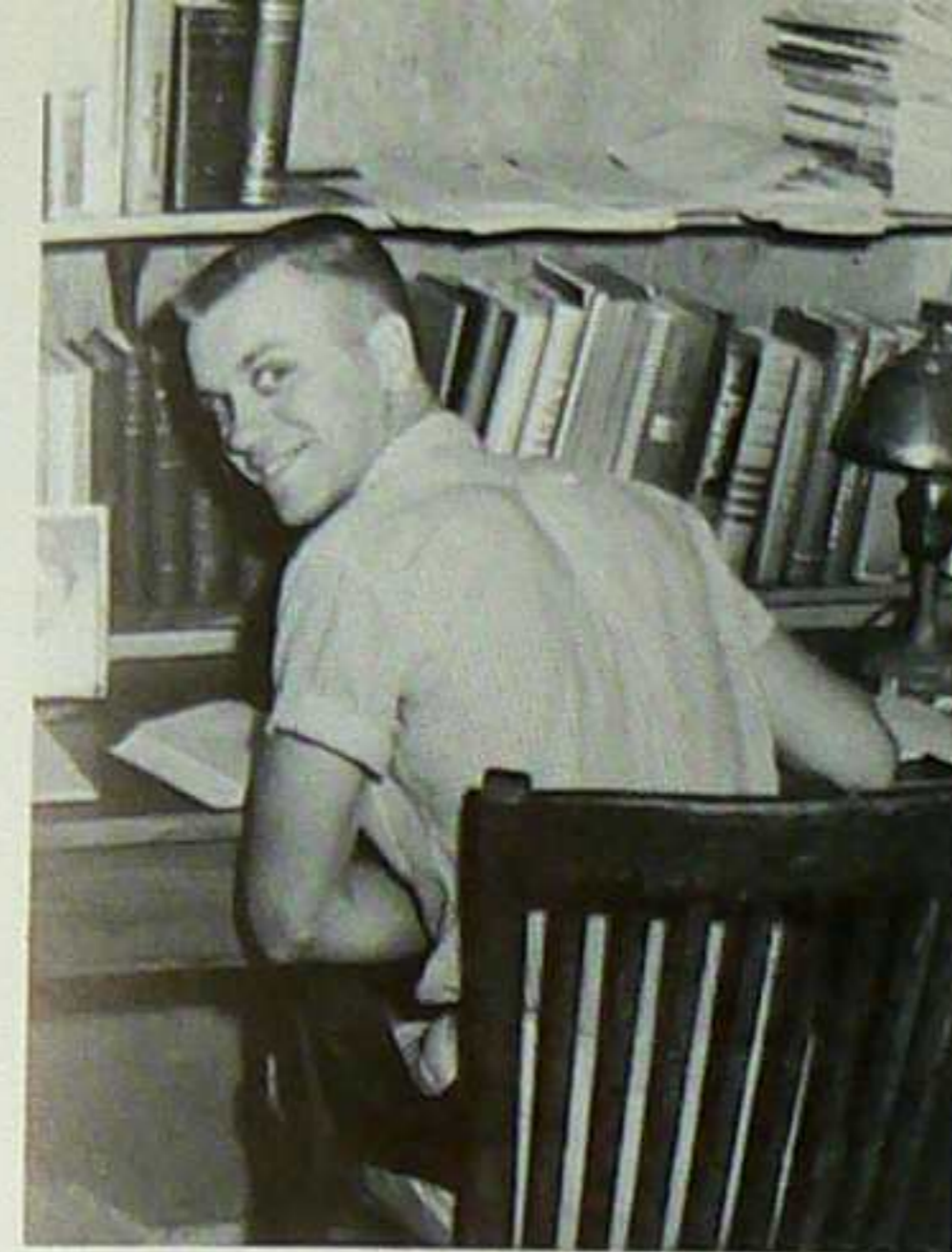
GERALD B. CHARLTON  
Clovis, New Mexico  
PHYSICS  
*Student Council  
Representative  
Physics Club*



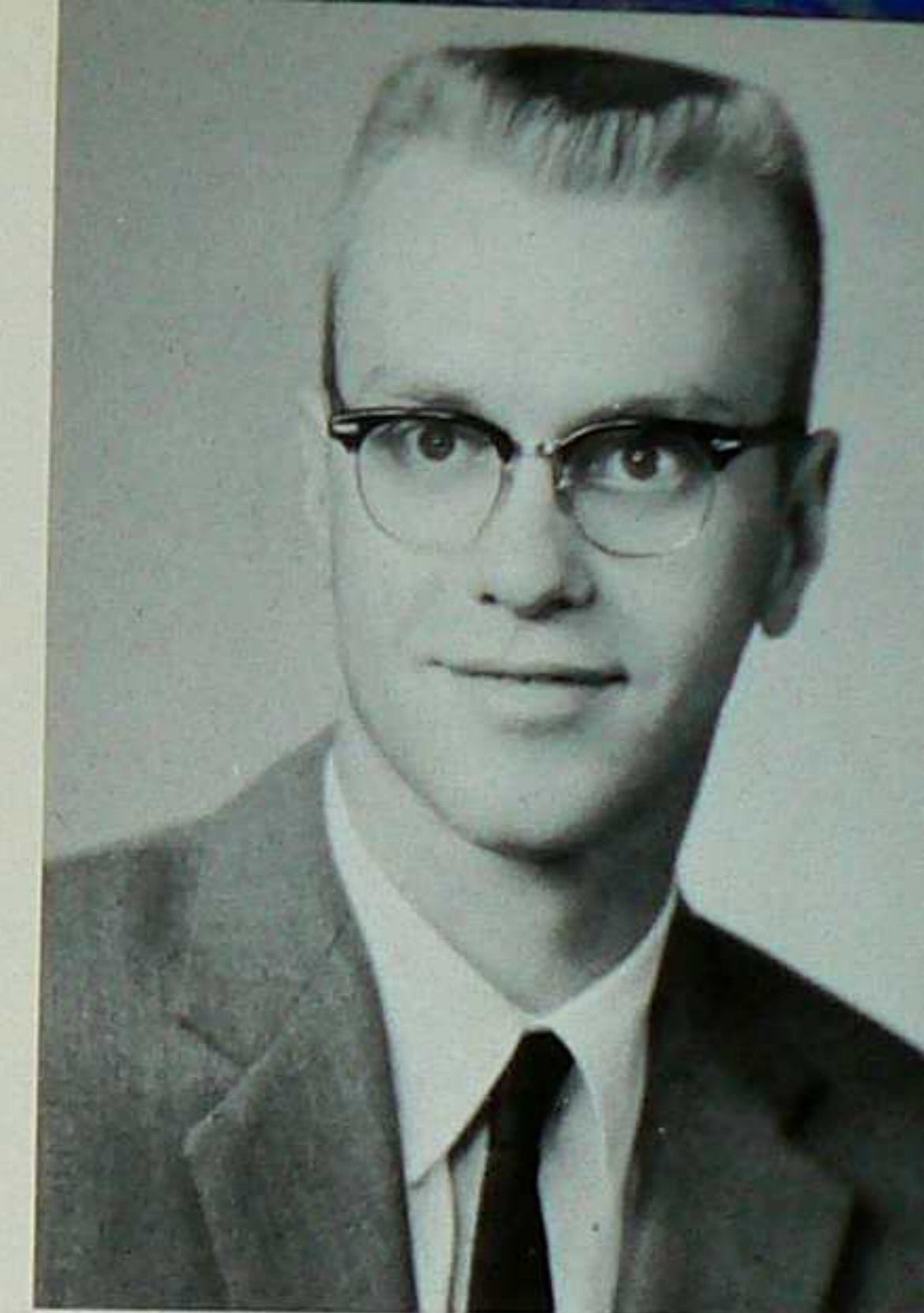
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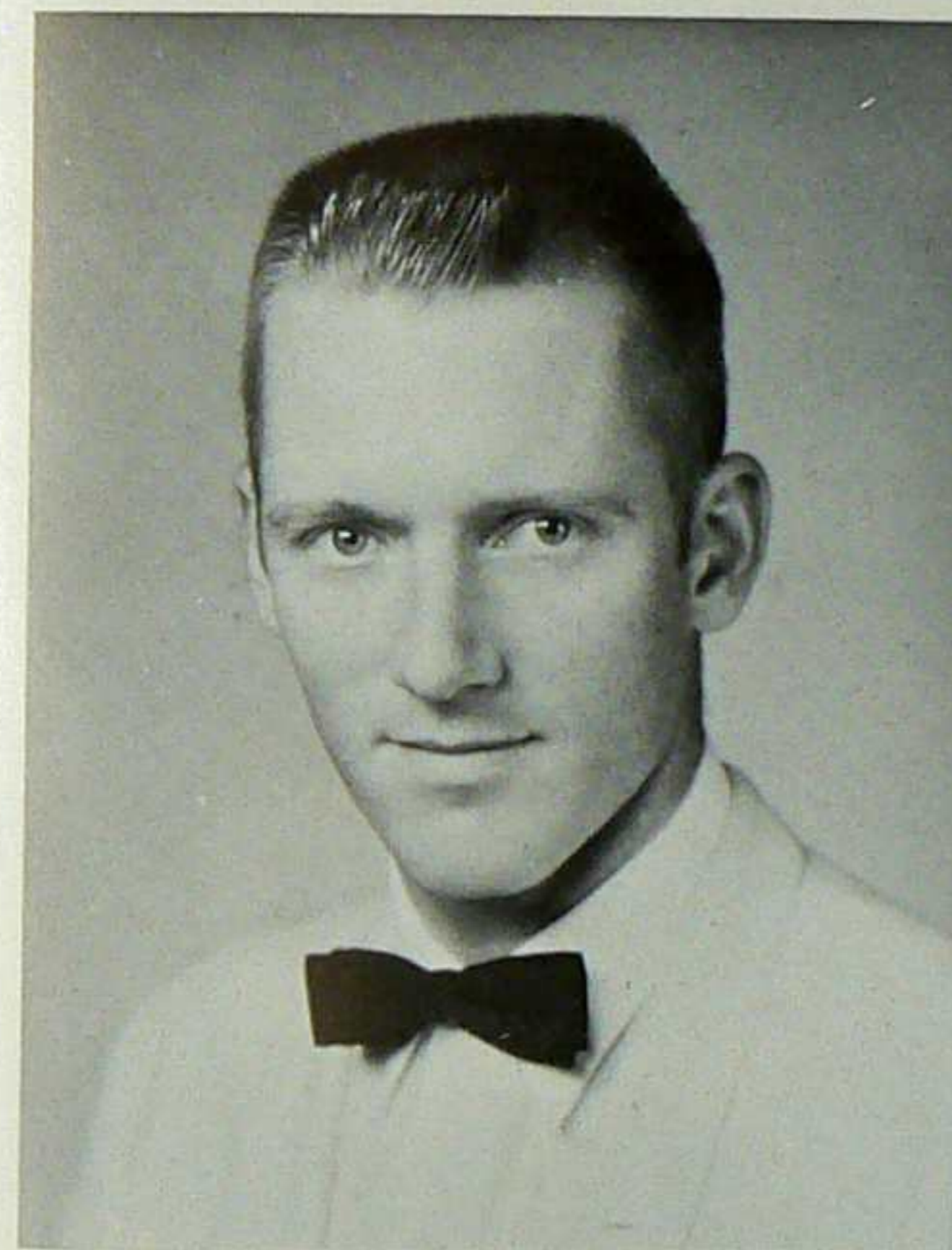
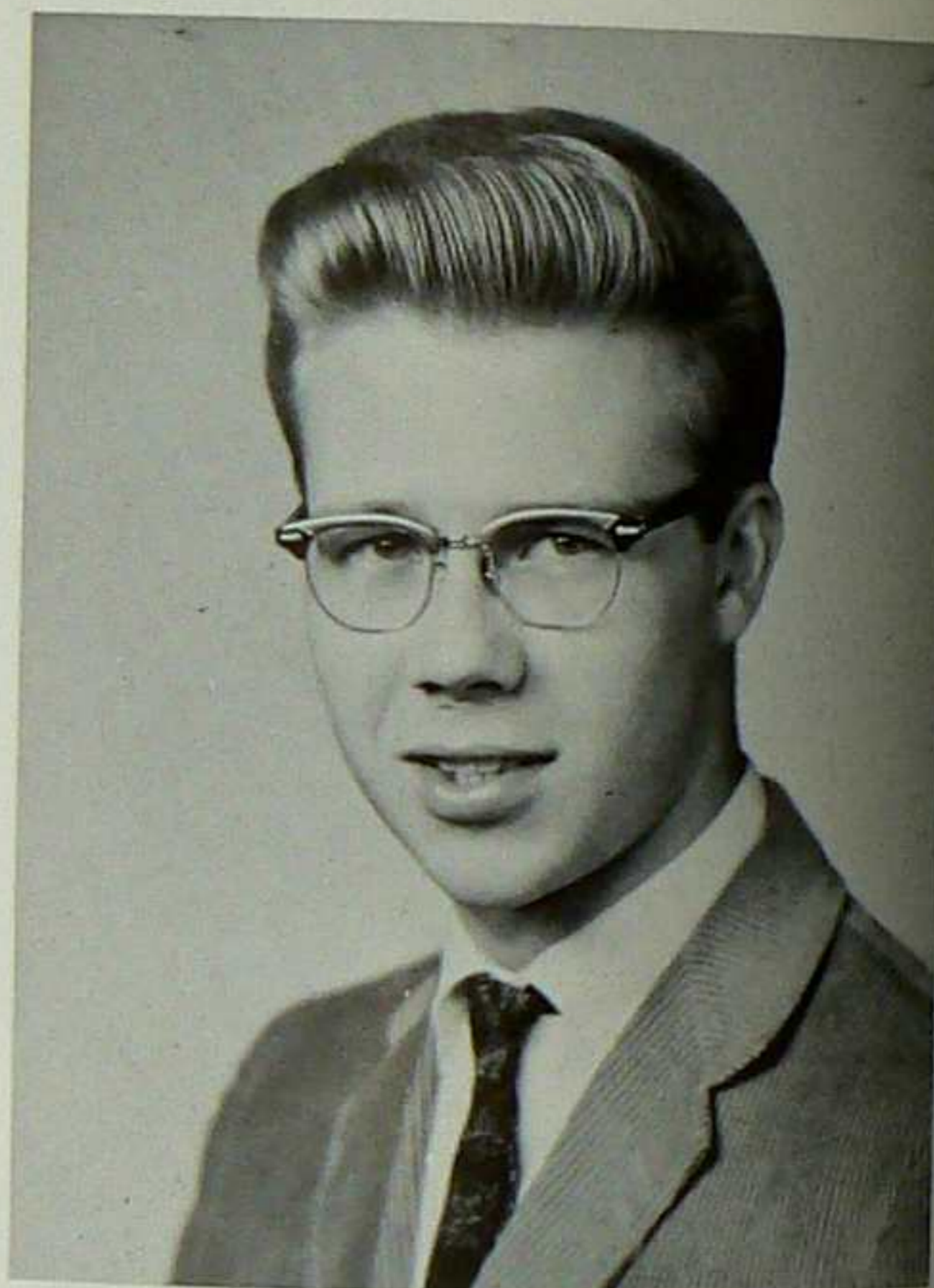
JAMES L. CLARK  
Eaton, Ohio  
MATHEMATICS  
*Porphyry, Business Manager*



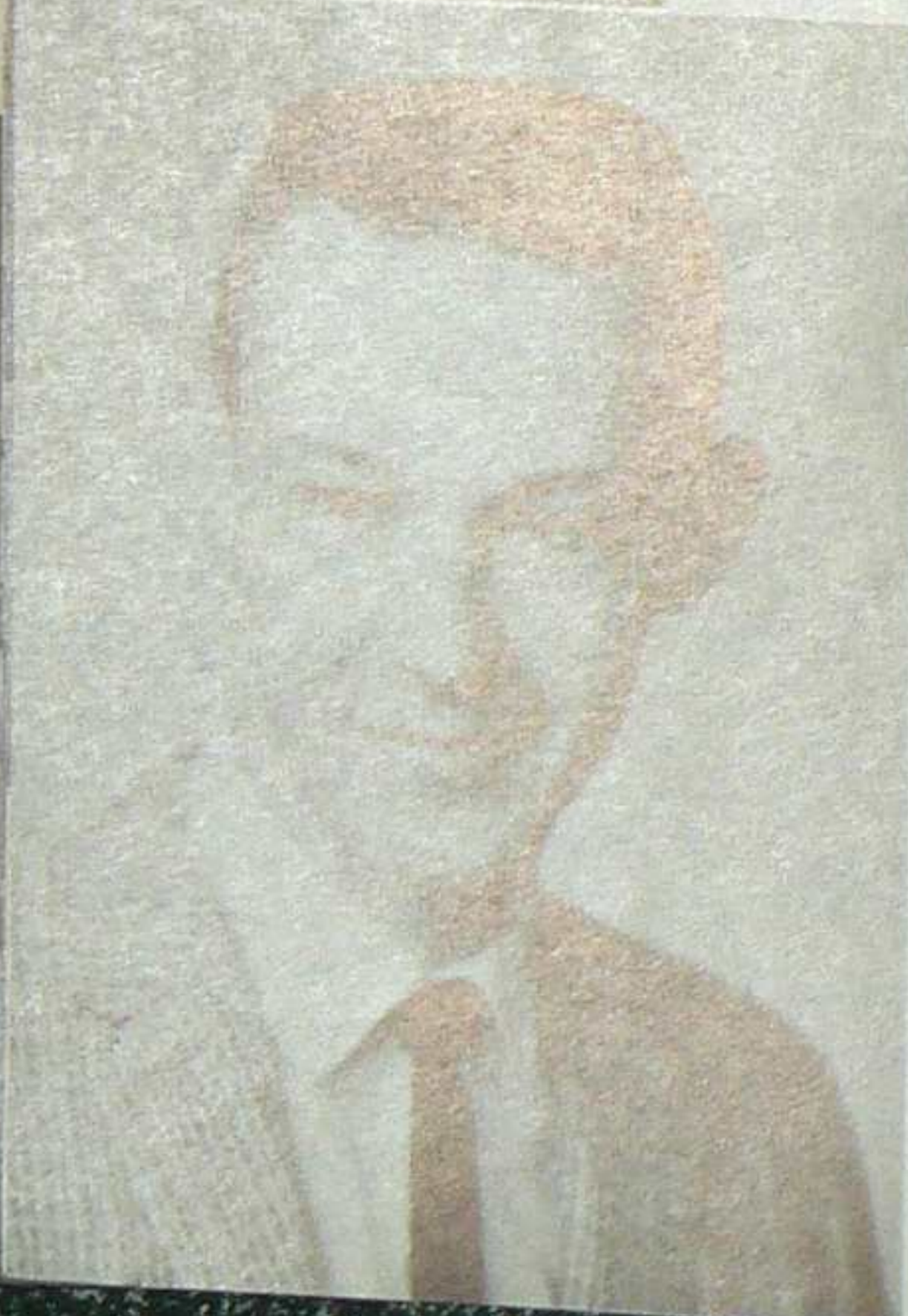
ANDREW E. DILATUSH  
Wayne, New Jersey  
CHEMISTRY  
*Chemistry Club,  
Vice-President  
Gem & Lapidary Club*



JEFFREY L. COOKE  
Troy, Pennsylvania  
PHYSICS  
*Freshman Physics Award  
Secretary-Treasurer  
Senior Class*



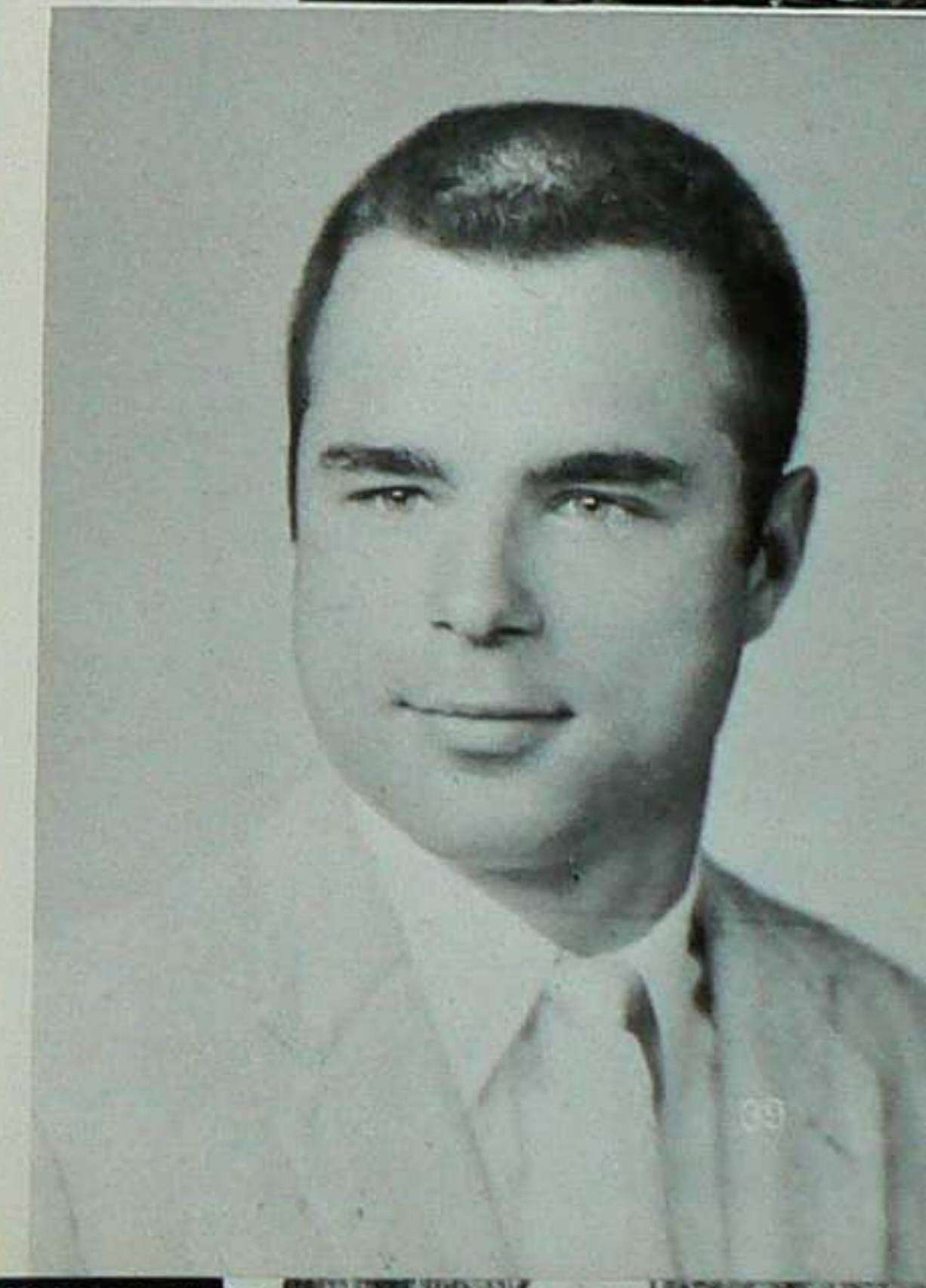
KEITH E. DOWLER  
Las Vegas, New Mexico  
METALLURGICAL  
ENGINEERING  
*Intramurals  
Student Council,  
Secretary-Treasurer  
AIME  
ASM*



DENNIS W. DARNALL  
Grants, New Mexico  
CHEMISTRY  
*Chemistry Club, President  
Class President Junior  
and Senior Year  
Gem & Lapidary Club  
College Program Series*



DENNIS R. FLYNN  
Killeen, Texas  
METALLURGICAL  
ENGINEERING

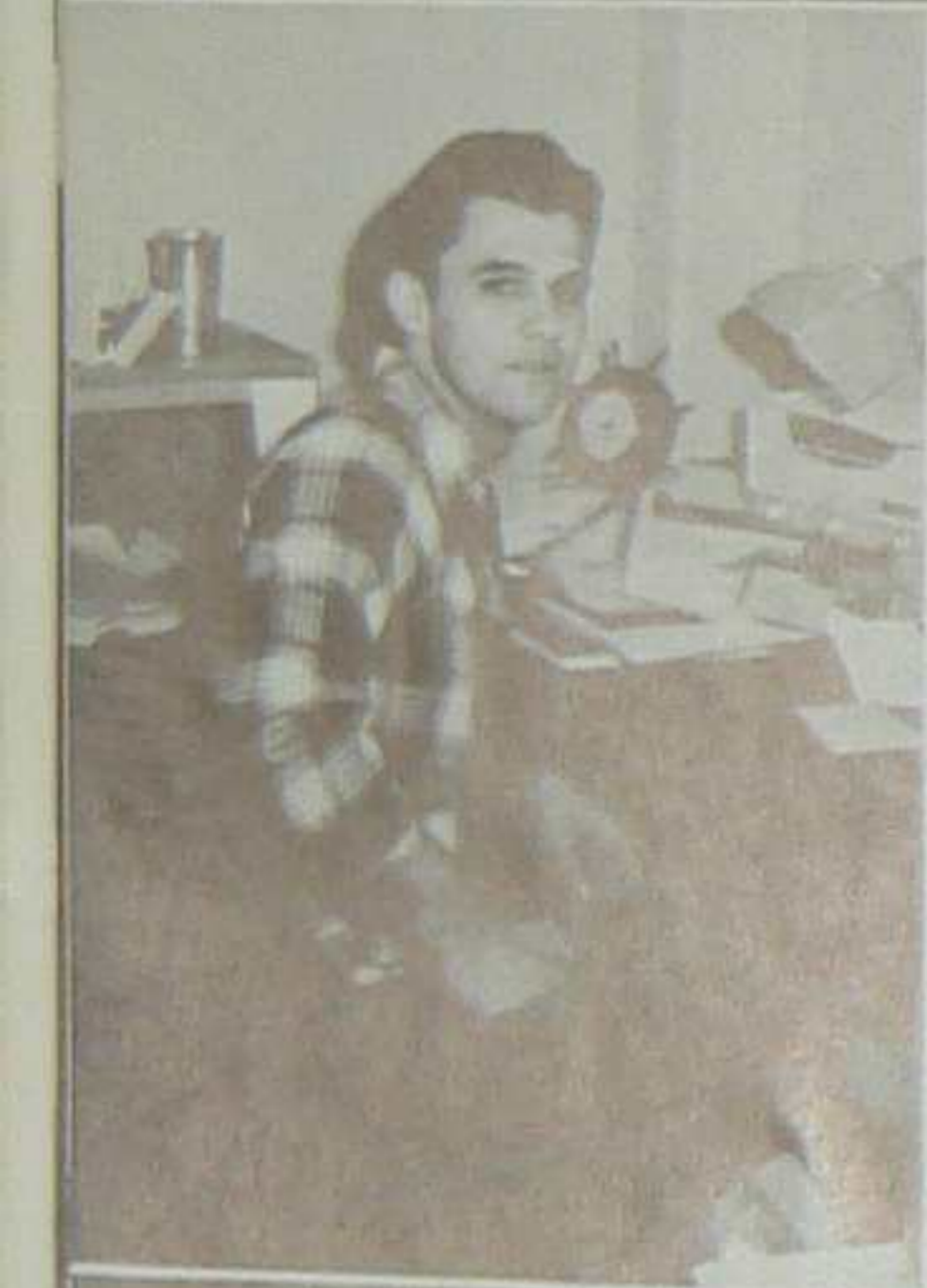




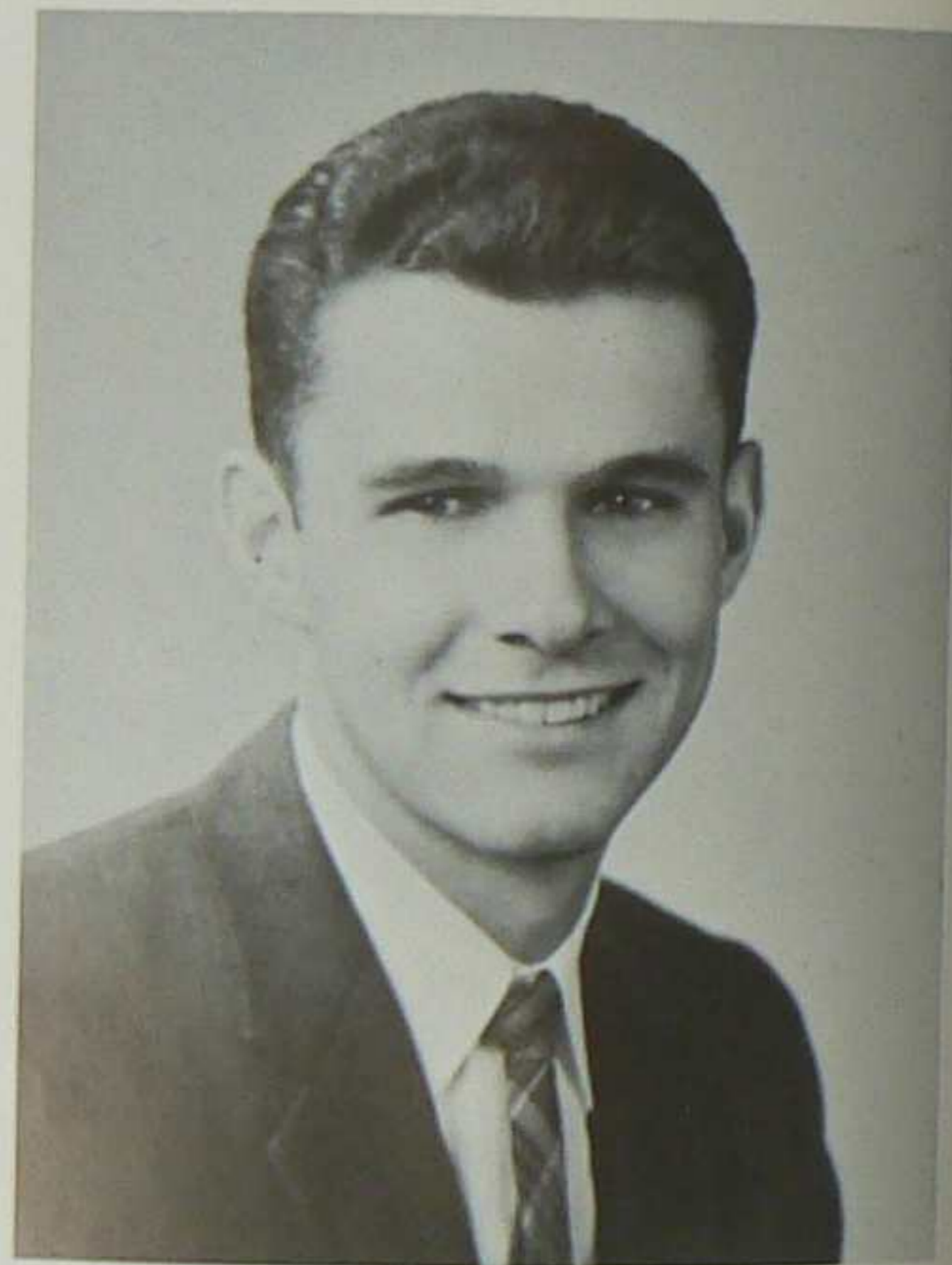
THEODORE R. FONS  
Berkeley, California  
GEOPHYSICS  
*Intramurals  
Physics Club*



JOHN S. GARRIGUES  
Shelby, Ohio  
MATHEMATICS  
*Gymnastics Club  
El Arrastre, Editor  
Astronomy Club  
Intramurals*



EDWARD L. FRENCH, JR.  
West Newton, Massachusetts  
MATHEMATICS  
*Proctor*



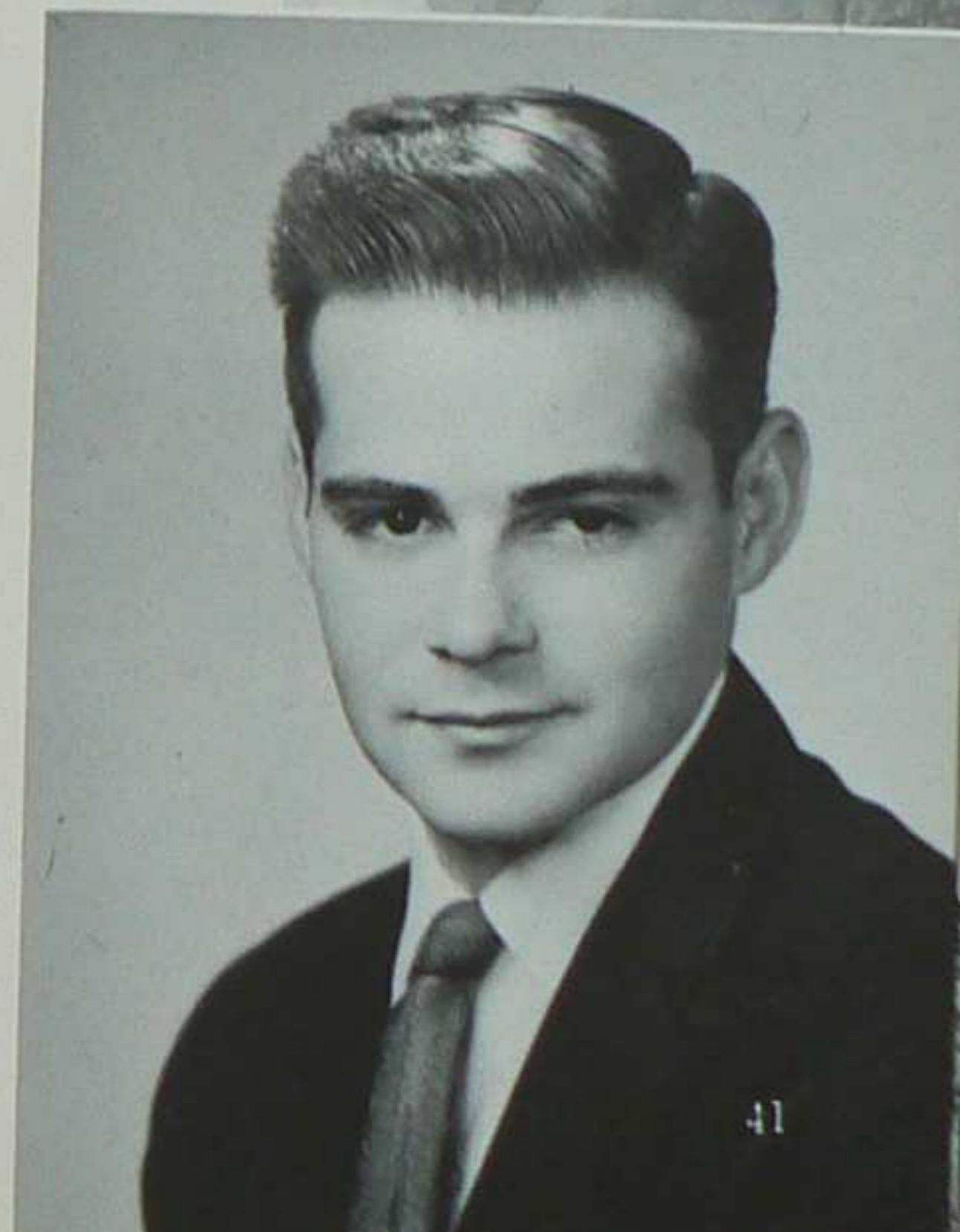
LEONARD W. GRAY  
Waycross, Georgia  
CHEMISTRY  
*Chemistry Club*



KENT G. FRY  
Blue Island, Illinois  
MATHEMATICS  
*Intramurals*

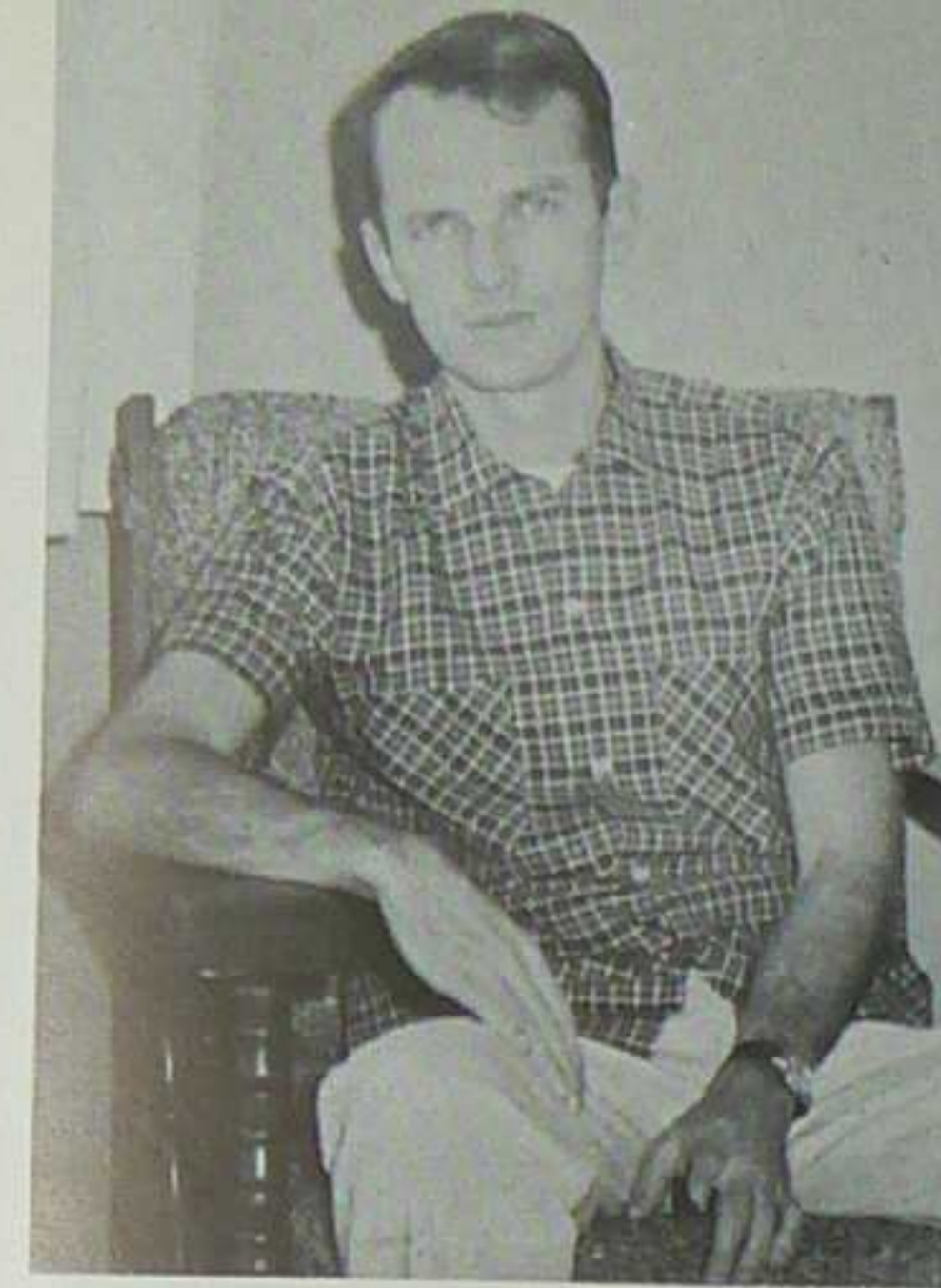


DAN J. HARTMANN  
Fredericksburg, Texas  
GEOLOGY  
*Gem & Lapidary Club  
Geology Club*

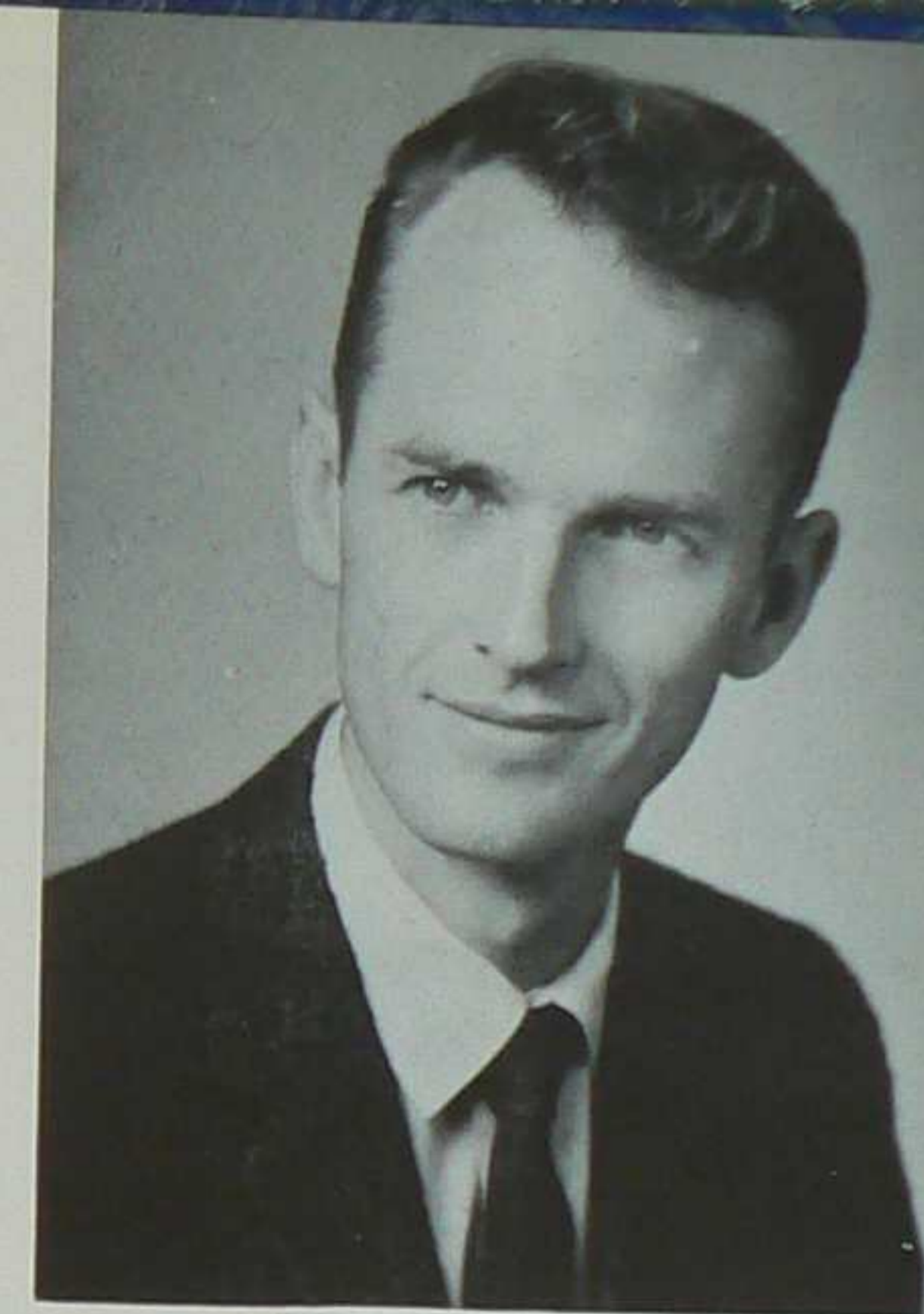




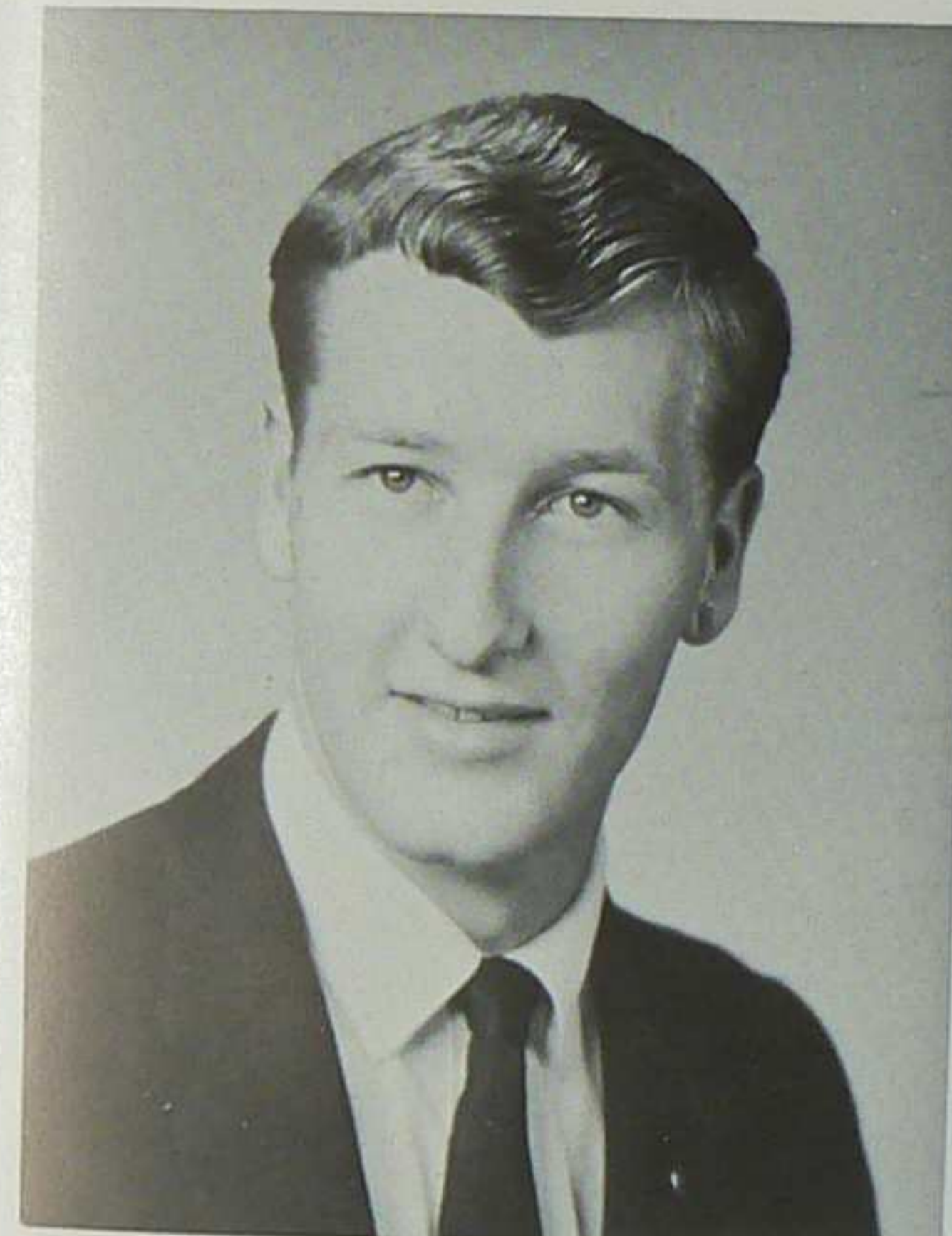
LAURENCE D. HARTZOG  
El Centro, California  
METALLURGICAL  
ENGINEERING  
*AIME, Secretary  
Cooney Mining Club  
ASM*



DAVID W. MEEHAN  
Redwood City, California  
PETROLEUM  
ENGINEERING  
*Petroleum Club*



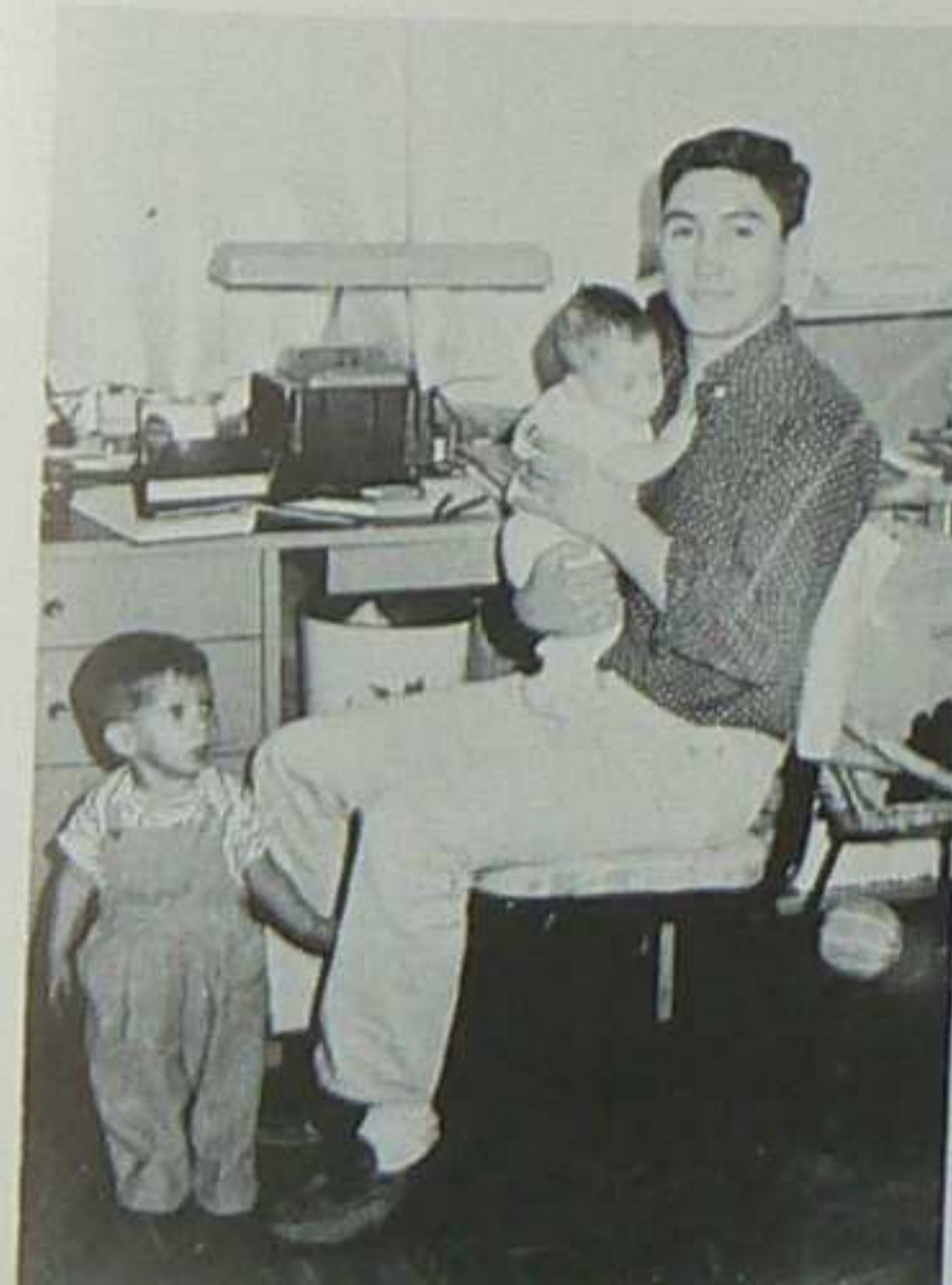
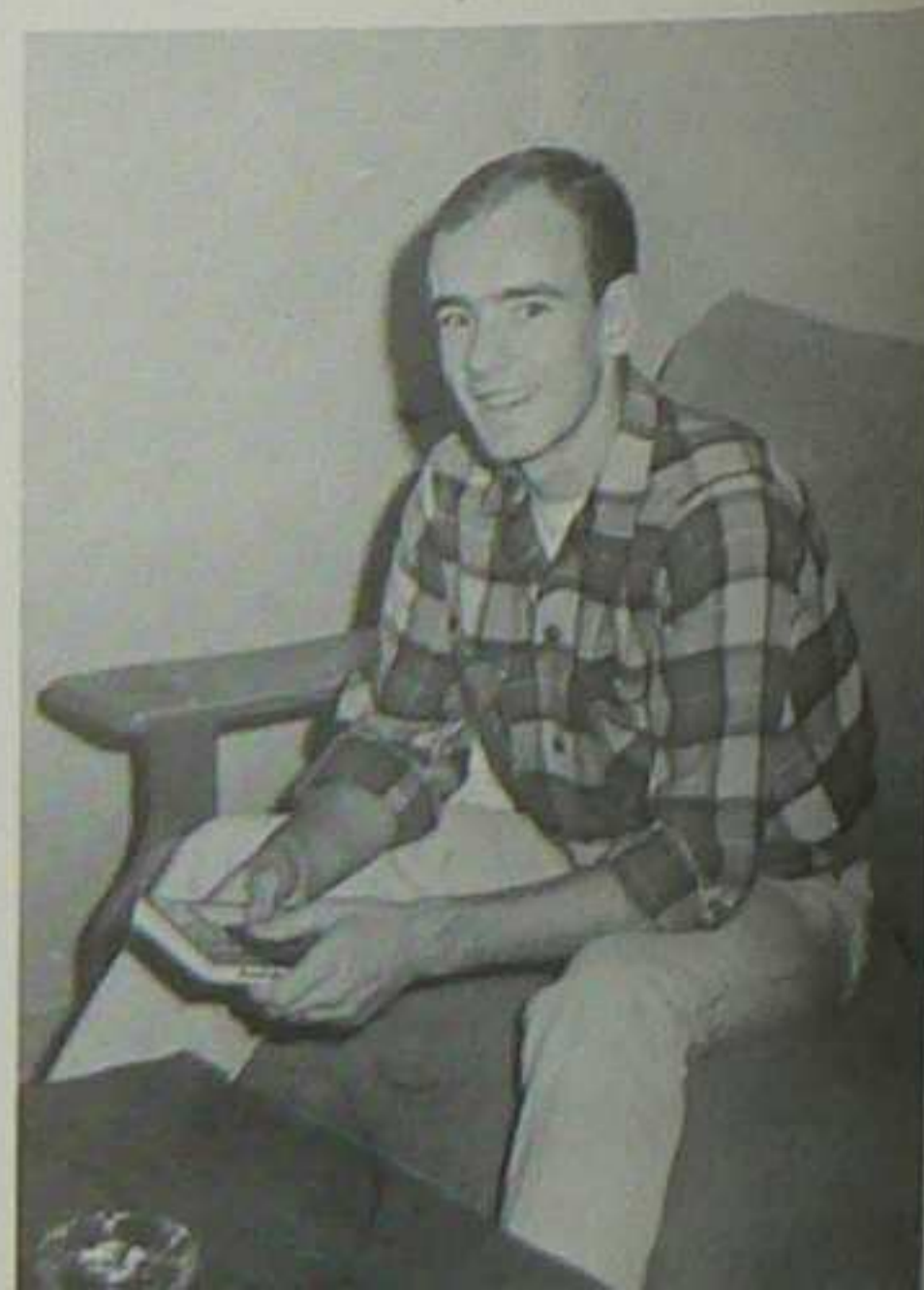
C. VERNON HODGE  
Hobbs, New Mexico  
PHYSICS  
*Physics Club  
PORPHYRY  
Assistant Editor  
Business Manager*



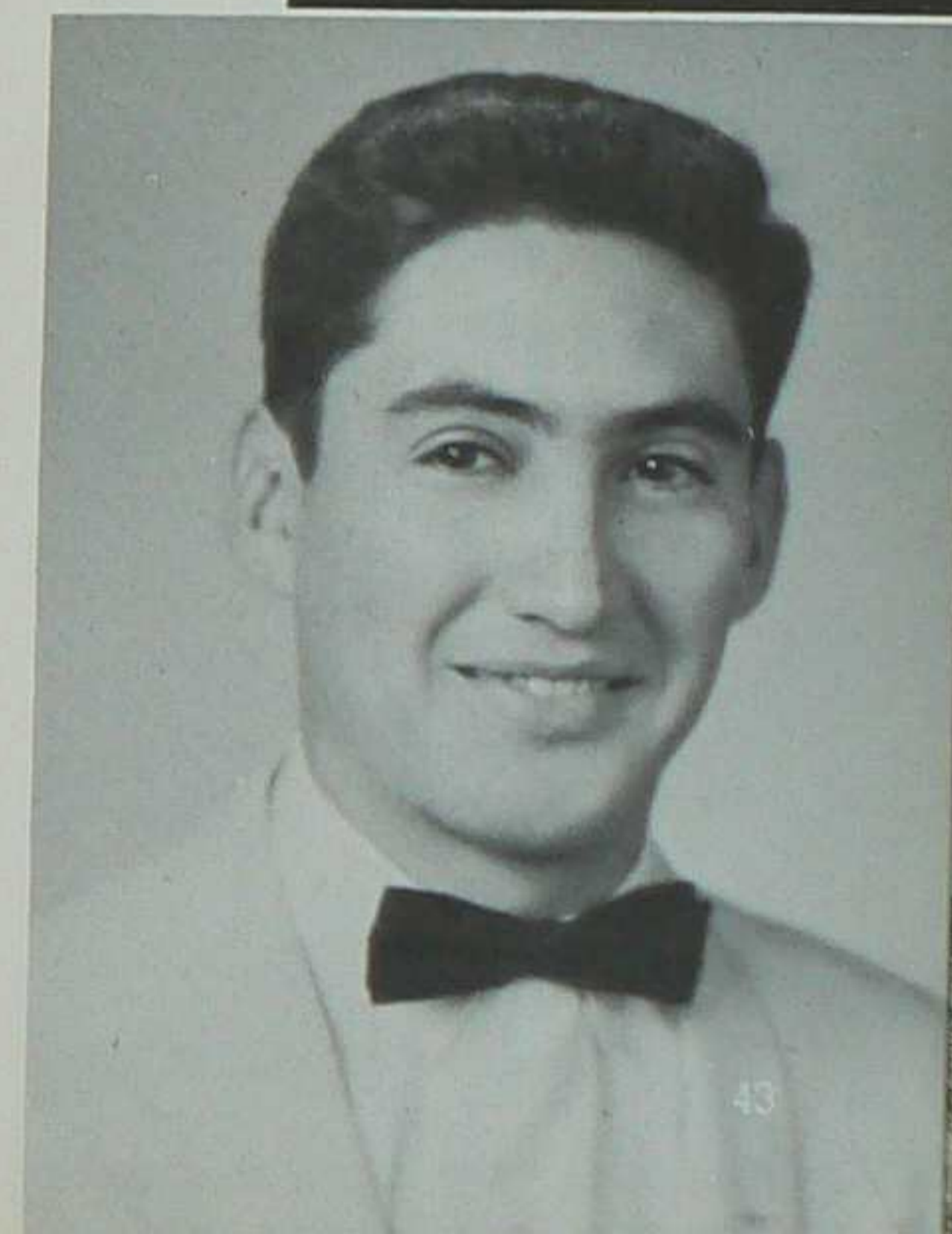
JOHN M. MORRISON  
Carlsbad, New Mexico  
PETROLEUM  
ENGINEERING  
*Petroleum Club President  
AIME Vice-President  
Students Publications Board  
Student Council President  
Cooney Mining Club  
Intramurals*



HENRY G. JUSTUS  
Brooklyn, New York  
GEOLOGY  
*Intramurals  
Geology Club  
Cooney Mining Club*

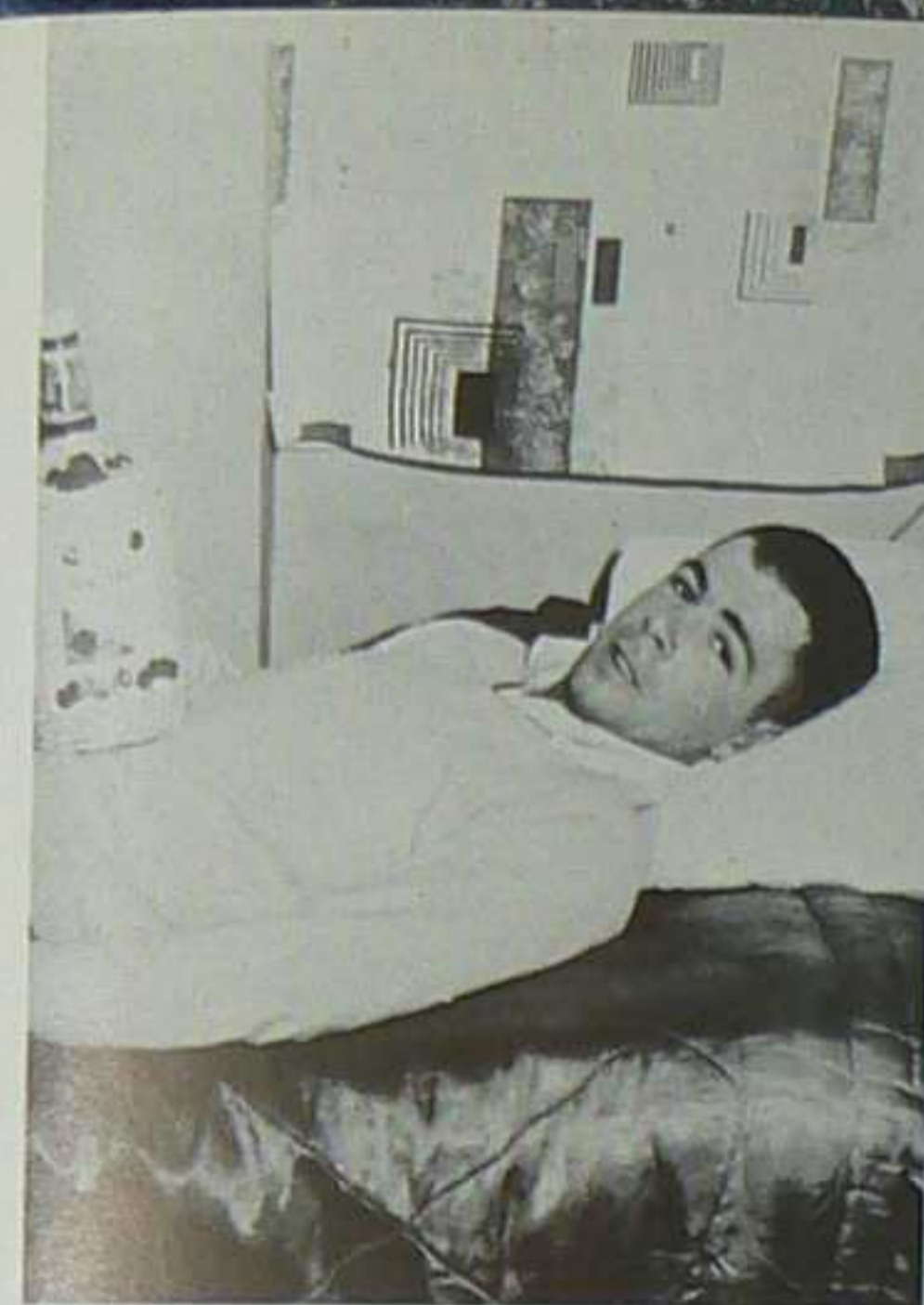


RUDOLPH S. REYES  
Fierro, New Mexico  
PHYSICS  
*Sophomore Class President  
Student Council  
Vice-President  
Student Publications Board  
Chairman  
College Program Series  
Physics Club  
Vice-President*

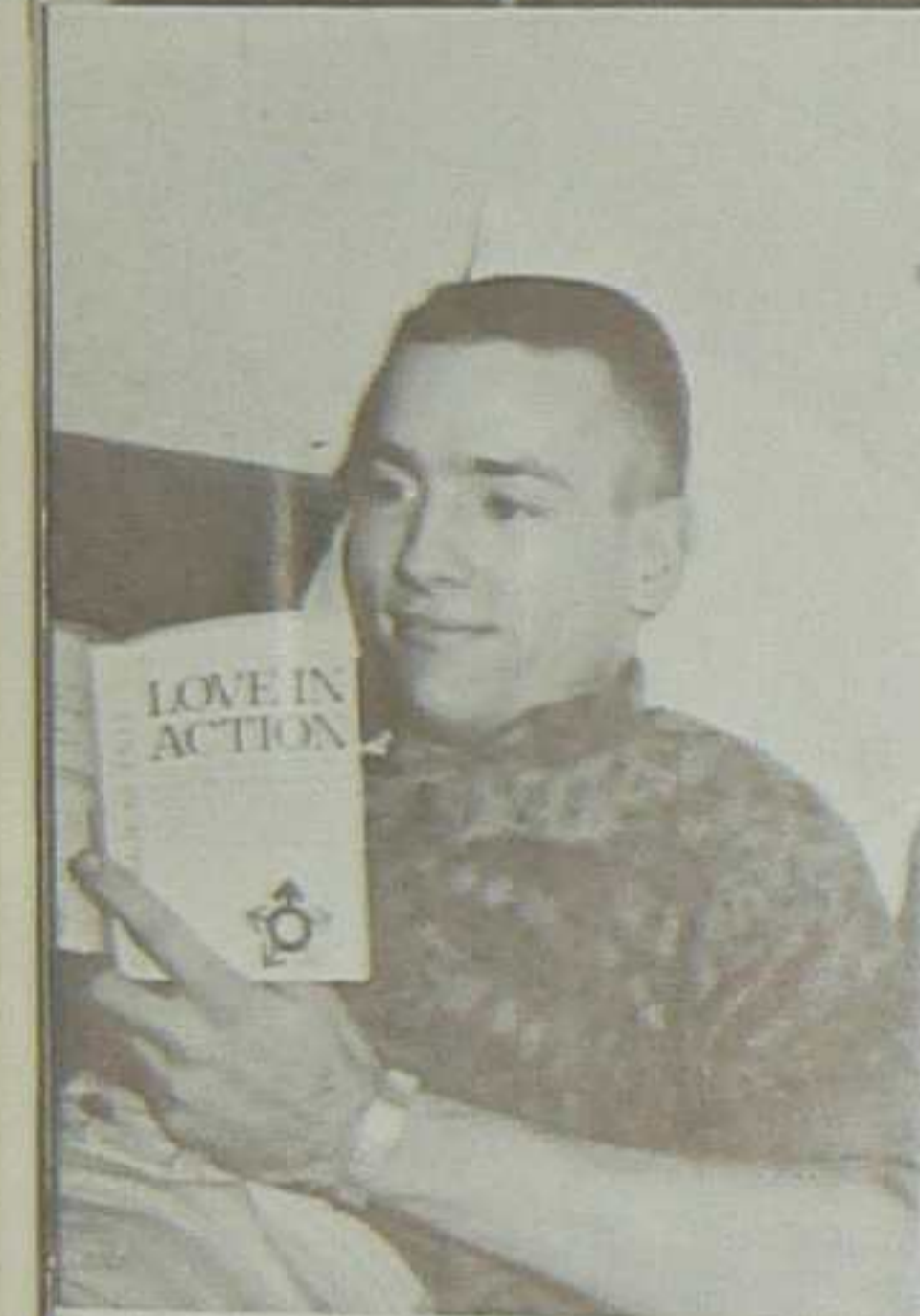
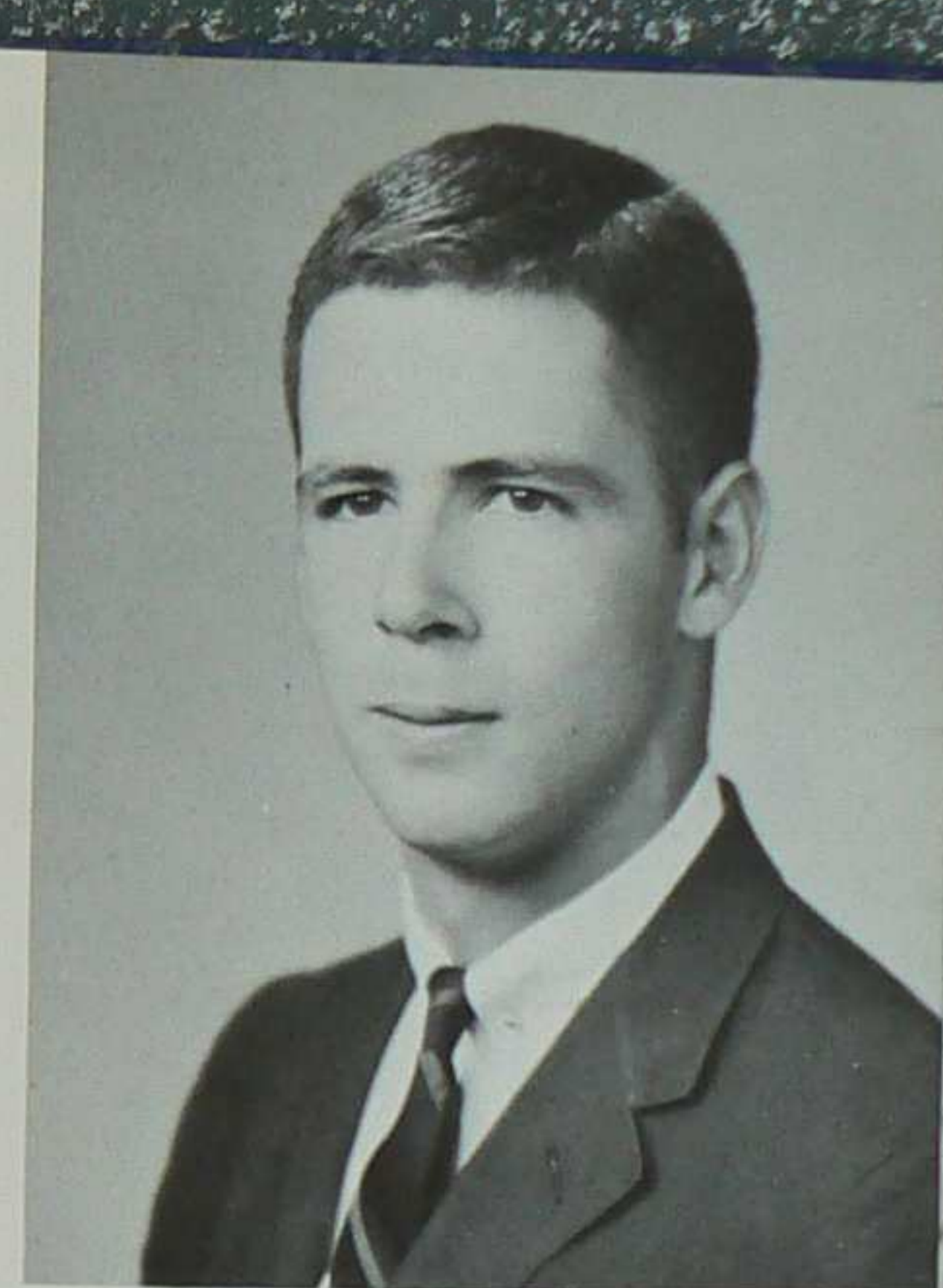




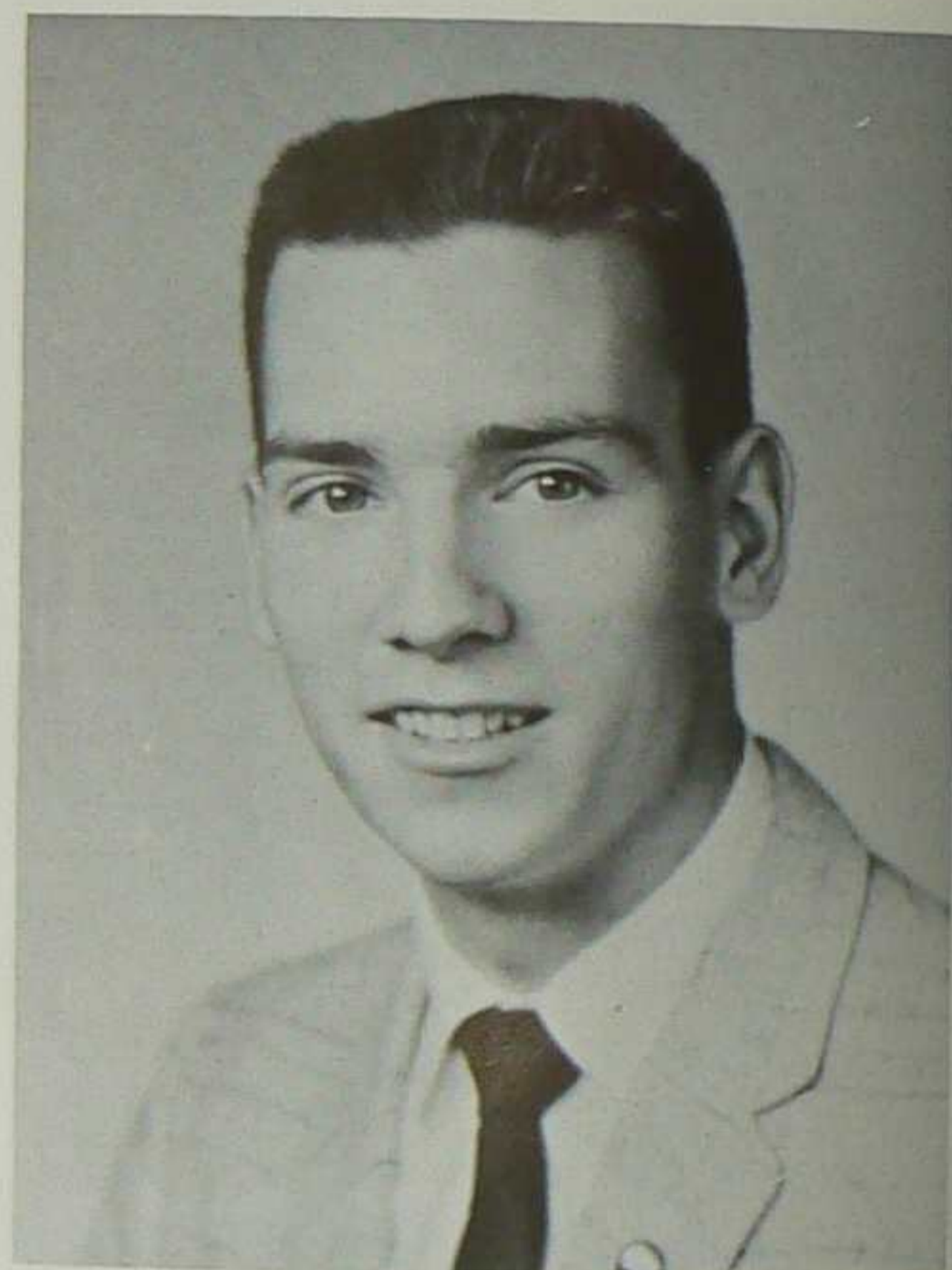
ROBERT J. REZBA  
Tampa, Florida  
CHEMISTRY  
*Gem & Lapidary Club*  
*Chemistry Club,*  
*Vice-President*  
*College Program Series*



JOHN C. SHENK  
Lake City, Pennsylvania  
GEOLOGY  
*President Geology Club*



RONALD J. ROMAN  
Irvington, New Jersey  
METALLURGICAL  
ENGINEERING  
*AIME, President*  
*Secretary-Treasurer,*  
*Junior Class*

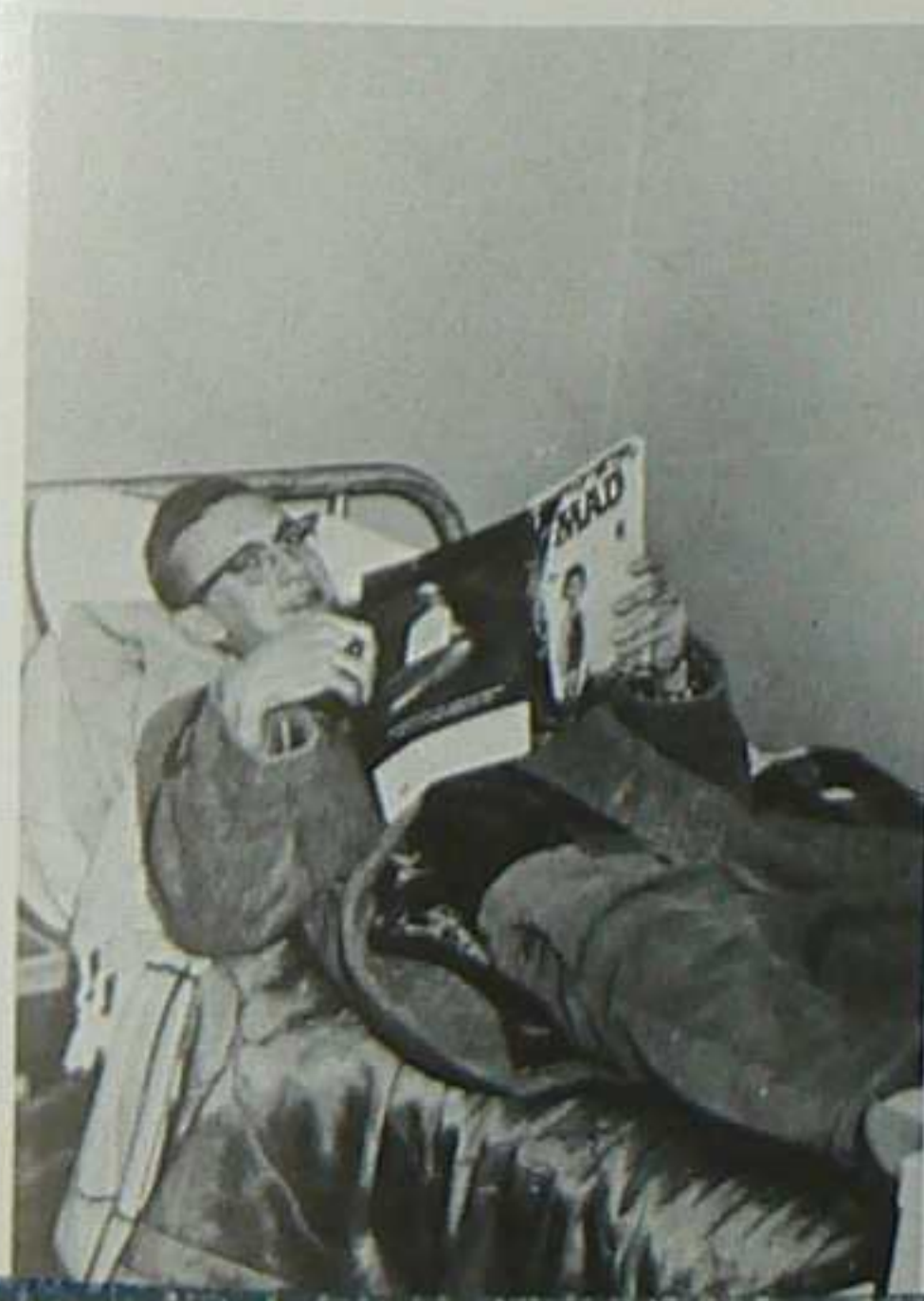


PHOTOGRAPH  
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ROBERT R. STEPHENS  
Whittier, California  
GEOPHYSICS  
*Petroleum Club*  
*Physics Club*



PAUL H. SEAGRAVES  
Deming, New Mexico  
PHYSICS  
*Gem & Lapidary Club*  
*Chemistry Club*  
*Physics Club*



DONALD A. STEPHENSON  
Scottsdale, Arizona  
MATHEMATICS  
*Gem & Lapidary Club*  
*Chemistry Club*  
*Geology Club*

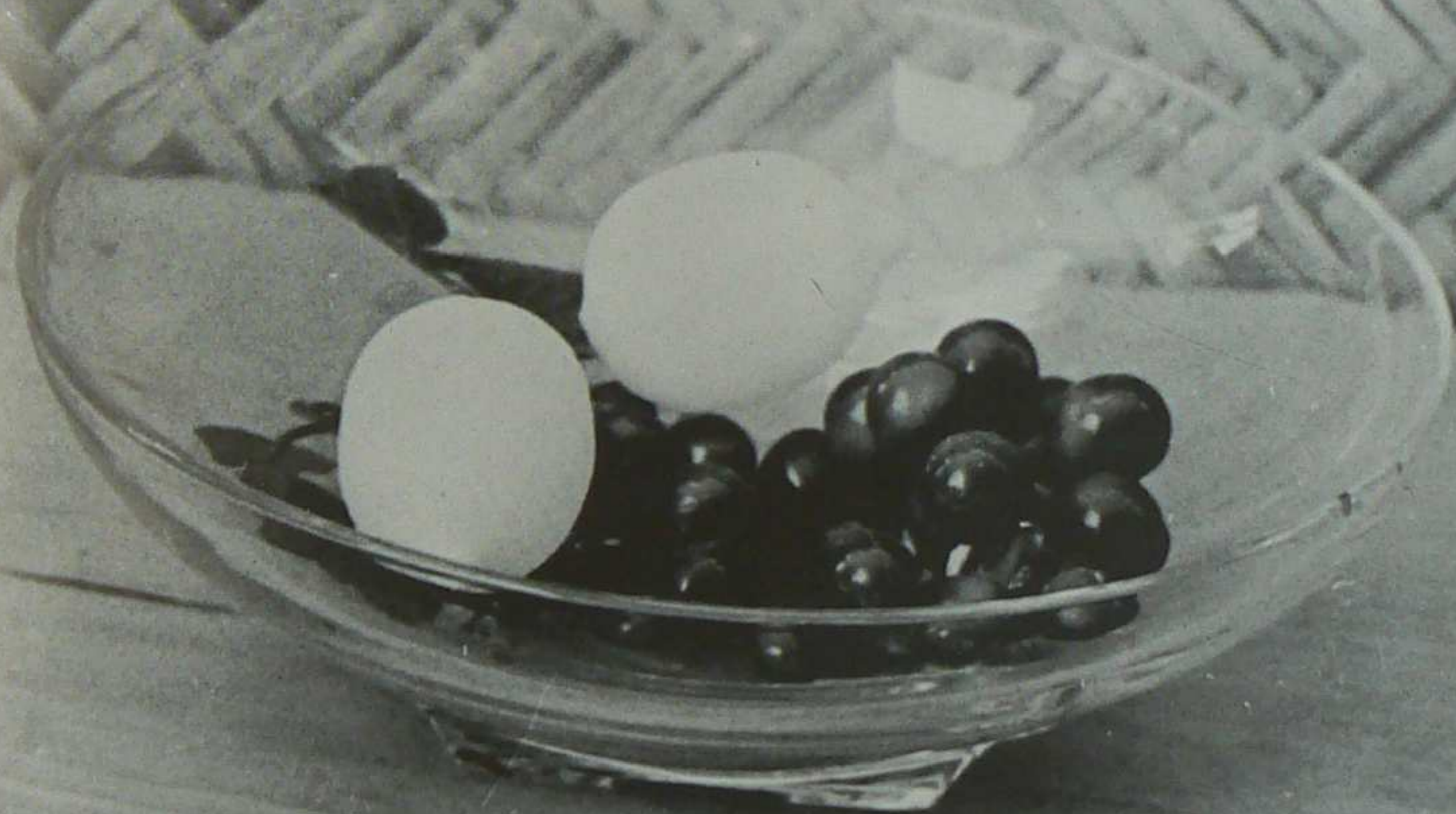




HUGH E. WOODY  
Newport News, Virginia  
MINING ENGINEERING  
*Cooney Mining Club,  
Vice President  
Student Council  
Representative  
Petroleum Club  
AIME*



JERRY R. WRIGHT  
Francisco, Indiana  
PETROLEUM  
ENGINEERING  
*Petroleum Club*



*Juniors*



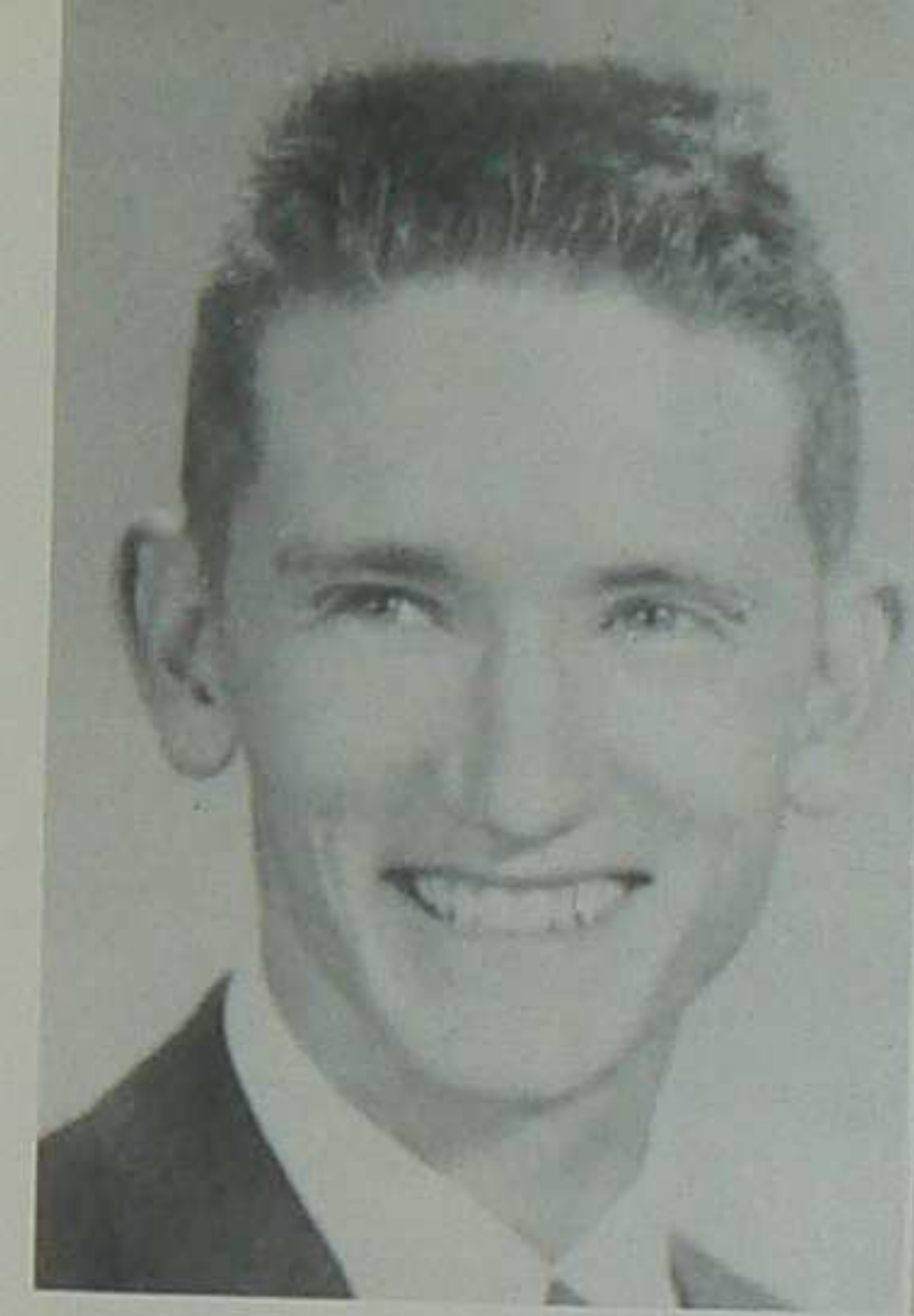
JUNIOR CLASS OFFICERS

Tim Konkol  
Intramural  
Representative

David Zack  
Student Council  
Representative

Don Beaver  
President

Dean Shriver  
Secretary-Treasurer



DEANE W. ARNOLD  
Socorro, New Mexico  
GEOPHYSICS



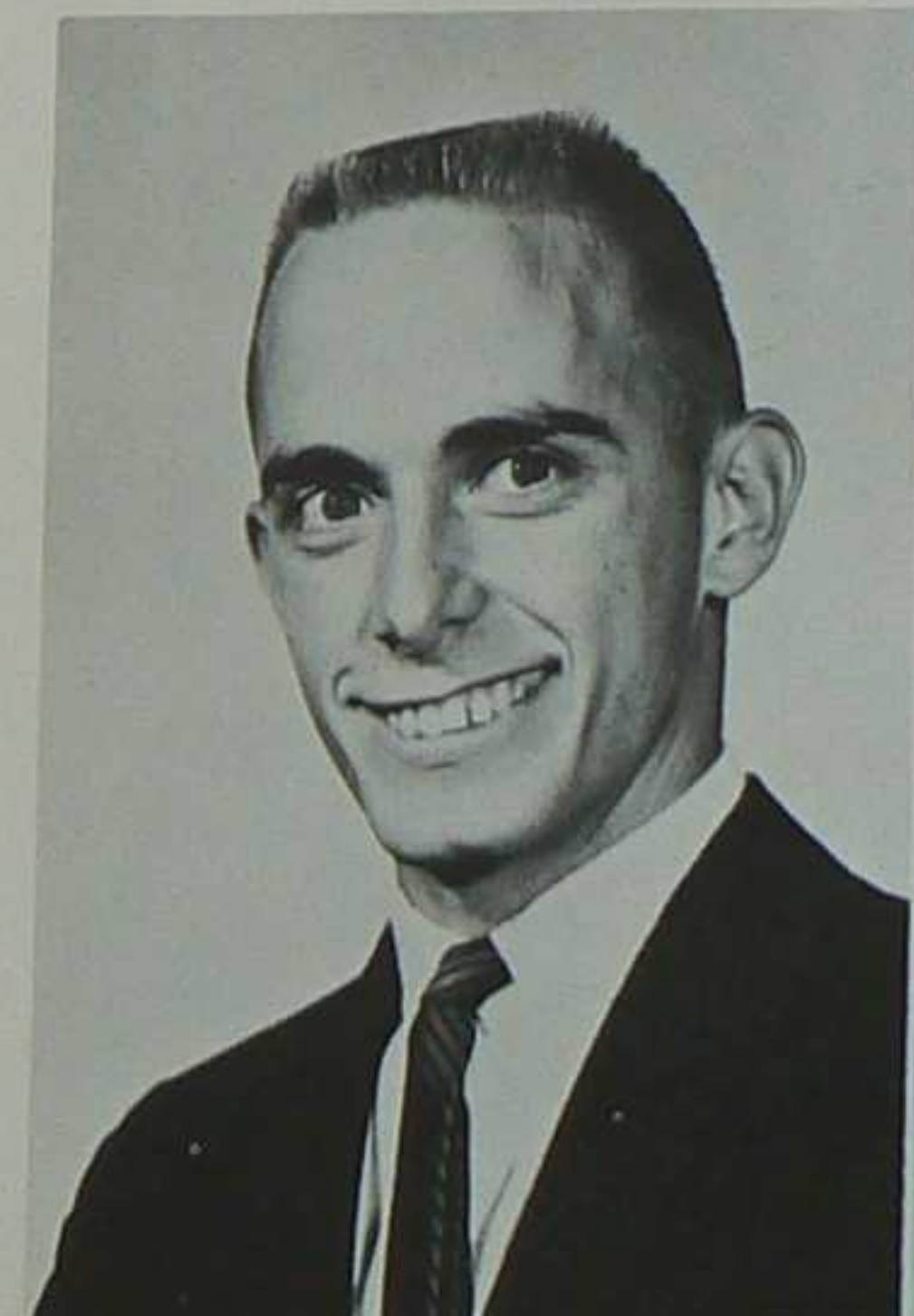
SUNOTO ATMODJO  
Indonesia  
MINING ENGINEERING



DONALD W. BEAVER  
Denver, Colorado  
MATHEMATICS

ROLLER C. BECKHART  
Fort Lauderdale, Florida  
METALLURGICAL  
ENGINEERING

ERIC L. BERG  
Alamogordo, New Mexico  
GEOPHYSICS







GARY Z. CARL  
Roswell, New Mexico  
CHEMISTRY



LAWRENCE R. EATON  
Granada Hills, California  
MINING ENGINEERING



O. LAWAYNE EBERHART  
Roswell, New Mexico  
MATHEMATICS

EUGENE B. ILLIS  
Cottleville, Kansas  
CHEMISTRY



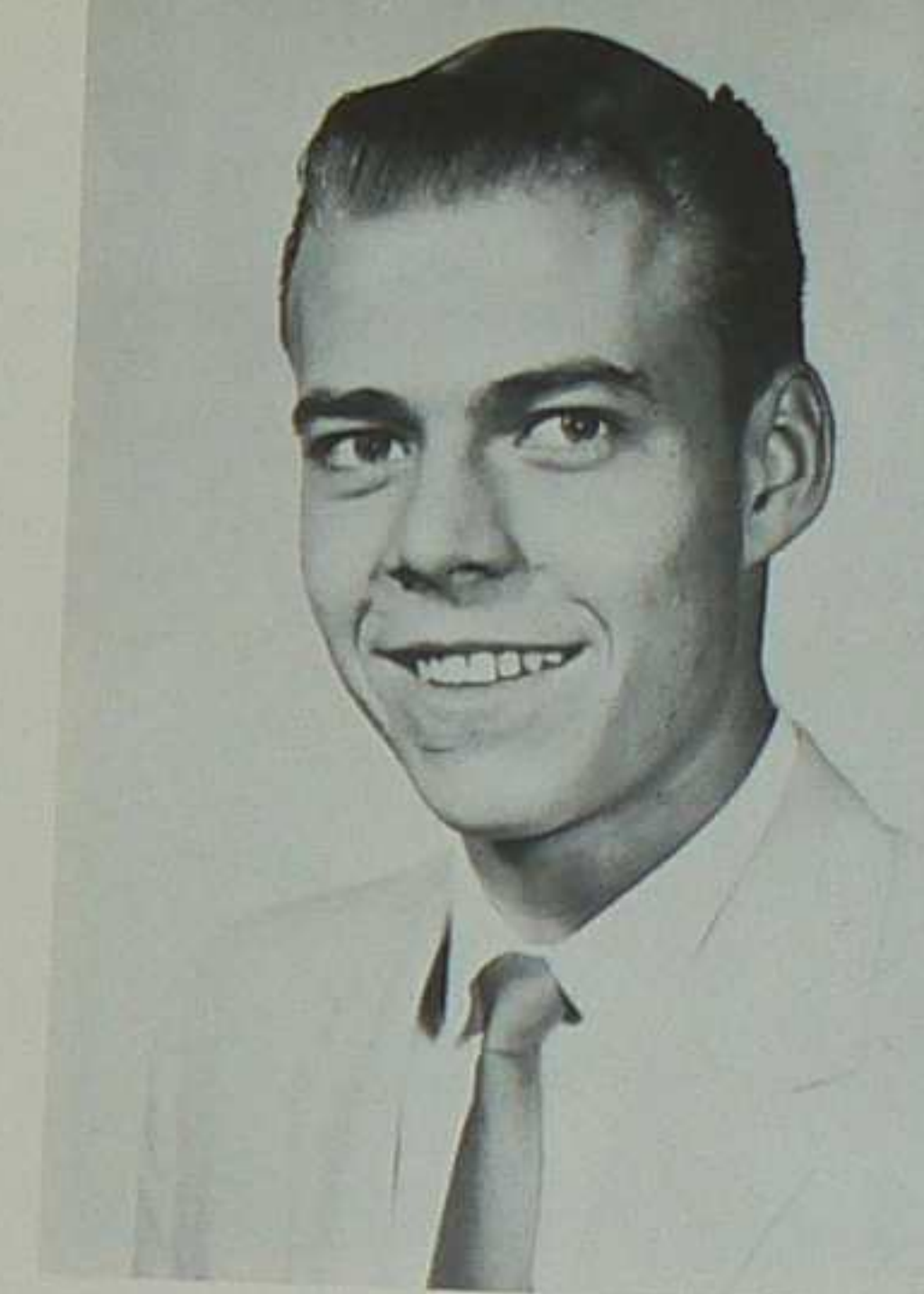
RICHARD L. FLORES  
Albuquerque, New Mexico  
PHYSICS



DAVID C. JORDAN  
Tulia, Texas  
MATHEMATICS



CHARLES L. KIRBY  
Croton-on-Hudson, New York  
MATHEMATICS



RONALD P. FORTUNE  
Moriarty, New Mexico  
PHYSICS



RAYMOND JOJOLA  
Socorro, New Mexico  
CHEMISTRY



ALFRED KLAAR  
Chicago, Illinois  
PETROLEUM  
ENGINEERING



HAROLD J. WEINER  
Redondo Beach, California  
MATHEMATICS



NELSON E. WELCH JR.  
Deming, New Mexico  
MATHEMATICS

RICHARD A. WOMACK  
Albuquerque, New Mexico  
METALLURGICAL  
ENGINEERING



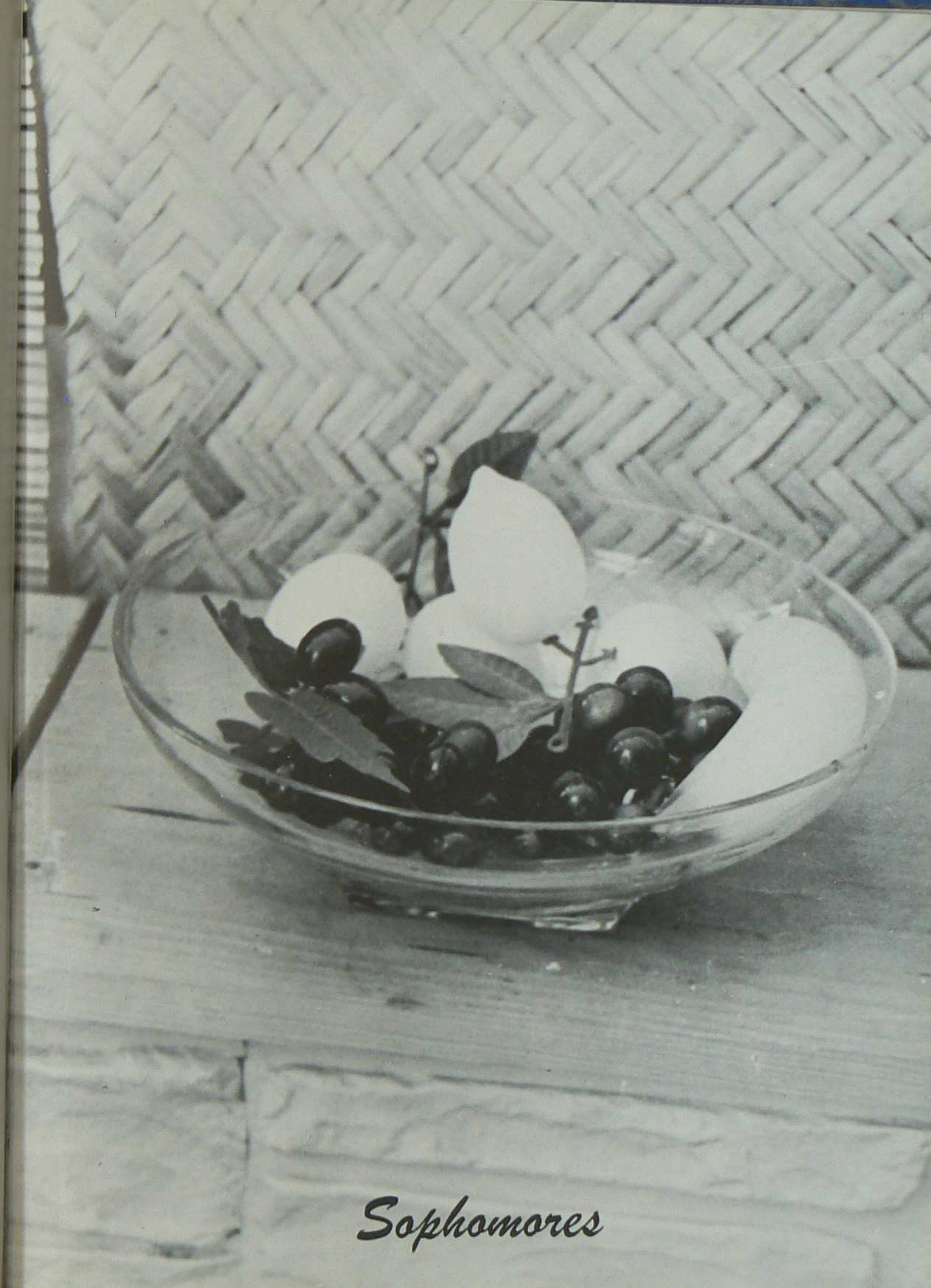
ALVIN K. S. YEE  
Hong Kong  
PHYSICS

DAVID N. ZACK  
Atikokan, Canada  
MINING ENGINEERING



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- PETER J. DAVOLL
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- ROBERT T. ROWBOTTOM
- JAMES A. ROWLES II
- GLENN E. SMITH
- JAMES R. WILLIAMS



# Sophomores



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President

Frank Carsey  
Vice-President

Linda Arrington  
Secretary-Treasurer



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Hobbs, New Mexico



LINDA J. ARRINGTON  
Roswell, New Mexico



WILLIAM H. BAILEY  
Lovington, New Mexico



LEON E. BERGGREN  
Socorro, New Mexico



WILLIAM O. CAIN  
Rockaway, New Jersey



FRANK D. CARSEY  
Farmington, New Mexico

JACK O. CHRISTY  
Albuquerque, New Mexico



RICHARD S. COHEN  
Los Angeles, California



BENNY R. DORAN  
Lovington, New Mexico



WILLIAM O. DRYPOLCHER  
St. Petersburg, Florida





ELLIS B. ERRETT  
Cortez, Colorado



LEAH S. FONS  
Palo Alto, California



CLYDE R. GARVER ✓  
Alamogordo, New Mexico



WILLIAM K. HALL  
Farmington, New Mexico



STANLEY J. PATCHET ✓  
Buena Park, California



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Ft. Sumner, New Mexico



RUSSELL C. PETERSON  
Valley Stream, New York



JAMES N. POST  
Las Cruces, New Mexico



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Lovington, New Mexico



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Albuquerque, New Mexico



DAN D. RABINOWITZ ✓  
Rishon Le Zion, Israel



DONALD P. RONEY  
Broomall, Pennsylvania

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Minneapolis, Minnesota

WILLIAM D. KLEIN ✓  
Albuquerque, New Mexico

DAVID J. MENDEZ ✓  
Socorro, New Mexico

DANIEL N. MINIHAN  
Boston, Massachusetts



FREDDIE SANDERS ✓  
Belen, New Mexico

SANOESI MOEHAMMAD  
Medan, Indonesia

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GARY D. SOWER ✓  
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ALLEN B. SPARKS  
Fort Sumner, New Mexico



CAROLYN J. SWANSON  
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ANDREW F. SZUROMI  
Phoenix, Arizona

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- ROBERT B. HARDAWAY
- JACK I. LEHR
- MICHAEL G. SPAULDING
- BERT E. STEWART
- KENNETH G. WERNER



SHARLA G. VANDEVENDER  
Socorro, New Mexico



ETTA F. WALKER  
Houston, Texas

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Hobbs, New Mexico

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Oxford, Maine

RONALD H. WILLIAMS  
 Lordsburg, New Mexico



*Freshmen*



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Gene Stockton  
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Joe Sedillo (not shown)  
President



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Farmington, New Mexico



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Socorro, New Mexico



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Raton, New Mexico



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El Paso, Texas



CELEDON ARAGON  
Los Lunas, New Mexico



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Ontario, Oregon



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Clovis, New Mexico



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New London, Connecticut



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Albuquerque, New Mexico

WILLIAM F. BREUNINGER  
Newark, New Jersey



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Socorro, New Mexico



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Albuquerque New Mexico



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Estancia, New Mexico

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Vineland, New Jersey

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Port Charlotte, Florida



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Edgewood, New Mexico



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Las Vegas, New Mexico



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Honolulu, Hawaii



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Raton, New Mexico



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Artesia, New Mexico



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Topeka, Kansas



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Sharon, Massachusetts



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Evanston, Illinois



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Los Alamos, New Mexico

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Sante Fe, New Mexico



ROBERT J. WOLTER  
Asheville, North Carolina



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Grants, New Mexico



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Albuquerque, New Mexico



STEVEN C. VOKURKA  
New York, New York



BRUCE B. WRIGHT  
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Rio Grande, Ohio

BERT T. WISNER  
Sanborn, Iowa



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GARY K. KOGER  
CARL M. MAUCIONE

THOMAS A. MYERS  
ANTHONY A. PANDIMOS  
CHARLES A. PERRY  
CHESTER R. PINO  
TERRENCE L. ROCKWELL  
JOHN T. SCHLEY  
DUANE R. SCHROEDER  
JOSEPH D. SEDILLO  
ALPHA B. SMITH  
LYNN B. WEIGEL  
DWAIN E. WILLINGHAM

CRAIG A. ZELLERS



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Vice President

Bruce De Brine  
Student Council  
Representative

Mike Fullerton  
President

Adrian Visocky  
Secretary-Treasurer

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Lake Forest, Illinois  
GEOPHYSICS
- ELISE BROWER  
B. S. New Mexico Institute of  
Mining and Technology  
Socorro, New Mexico  
CHEMISTRY
- FRANCIS X. BUSHMAN  
B. S. University of Illinois  
Urbana, Illinois  
PHYSICS
- JEAN CHEN  
B. S. National Taiwan University  
Taipei, Taiwan  
CHEMISTRY
- NATHAN COLUMBUS  
B. S. McGill University  
Montreal, Quebec  
GEOLOGY
- BRUCE DE BRINE  
B. S. New Mexico Institute of  
Mining and Technology  
Socorro, New Mexico  
GROUND WATER HYDROLOGY
- GEORGE C. EVANS  
B. S. Yale University  
New Haven, Connecticut  
GEOLOGY
- JAMES R. EVERETT  
B. S. University of Texas  
Austin, Texas
- JOHN C. FOX  
B. A. University of Colorado  
Boulder, Colorado
- CHARLES FULLERTON  
B. S. University of Oklahoma  
Norman, Oklahoma  
PHYSICS
- WILLIS C. GARRETT  
M. A. San Diego State College  
San Diego, California  
GEOPHYSICS
- BRUCE W. GAY  
B. S. Lowell Tech. Institute  
Lowell, Massachusetts  
CHEMISTRY
- KENNETH A. GRACE  
B. S. University of Capetown  
Cape Province, South Africa  
CHEMISTRY
- ROZANN HOULETTE  
B. S. New Mexico Institute of  
Mining and Technology  
Socorro, New Mexico  
MATHEMATICS

- VIET HOWARD  
B. S. Massachusetts Institute of  
Technology  
Cambridge, Massachusetts  
GEOLOGY
- RUDOLPH JACOBSON  
B. S. New Mexico Institute of  
Mining and Technology  
Socorro, New Mexico  
EXTRACTIVE METALLURGY
- GARY N. JARVELA  
B. S. University of Florida  
Gainesville, Florida  
PHYSICS
- VIVIAN L. KAN  
B. S. National Taiwan University  
Taipei, Taiwan  
PHYSICS
- JOSEPH KEENEY  
B. S. University of Oklahoma  
Norman, Oklahoma  
GEOPHYSICS
- DON J. LATHAM  
B. S. Pomona College  
Claremont, California  
PHYSICS
- DAVID A. LAWRENCE  
B. S. University of Redlands  
Redlands, California  
GEOLOGY
- EARL LONG  
B. S. Friends University  
Wichita, Kansas  
PHYSICS
- LELAND T. LONG  
B. S. University of Rochester  
Rochester, New York  
GEOPHYSICS
- WILLIAM V. LONG  
B. S. Friends University  
Wichita, Kansas  
CHEMISTRY
- PHILIP B. LUCE  
M. S. New York University  
New York, New York  
GEOPHYSICS
- MIGUEL MARINO  
B. S. New Mexico Institute of  
Mining and Technology  
Socorro, New Mexico  
GROUND WATER HYDROLOGY
- VIRENDA P. MATHUR  
B. S. Agra University  
India  
CHEMISTRY
- PHILIP McLAIN  
B. S. University of Arizona

- Tucson, Arizona  
PHYSICS
- DWIGHT MOORE  
B. S. Pennsylvania State University  
University Park, Pennsylvania  
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B. S. Ferguson College  
Poona, India  
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Austin, Texas  
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M. S. Texas College of Arts  
and Industry  
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- HERMAN SHEFFER  
B. S. Johns Hopkins University  
Baltimore, Maryland  
GEOLOGY
- DENNIS R. STANLEY  
B. S. New Mexico Institute of  
Mining and Technology  
Socorro, New Mexico  
PHYSICS
- JOHN A. TATUM JR.  
B. S. University of Houston  
Houston, Texas  
GEOLOGY
- DONALD THAYER  
B. S. University of Wyoming  
Laramie, Wyoming  
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B. S. Pennsylvania State University  
University Park, Pennsylvania  
GROUND WATER HYDROLOGY
- DENNIS E. WILLIAMS  
B. S. University of Redlands  
Redlands, California  
GROUND WATER HYDROLOGY
- DON WILLIAMS  
B. S. New Mexico Institute of Mining  
and Technology  
Socorro, New Mexico  
GEOPHYSICS



JEAN S. CHEN  
Taipei, Taiwan, China

NATHAN COLUMBUS  
Tel-Aviv, Israel

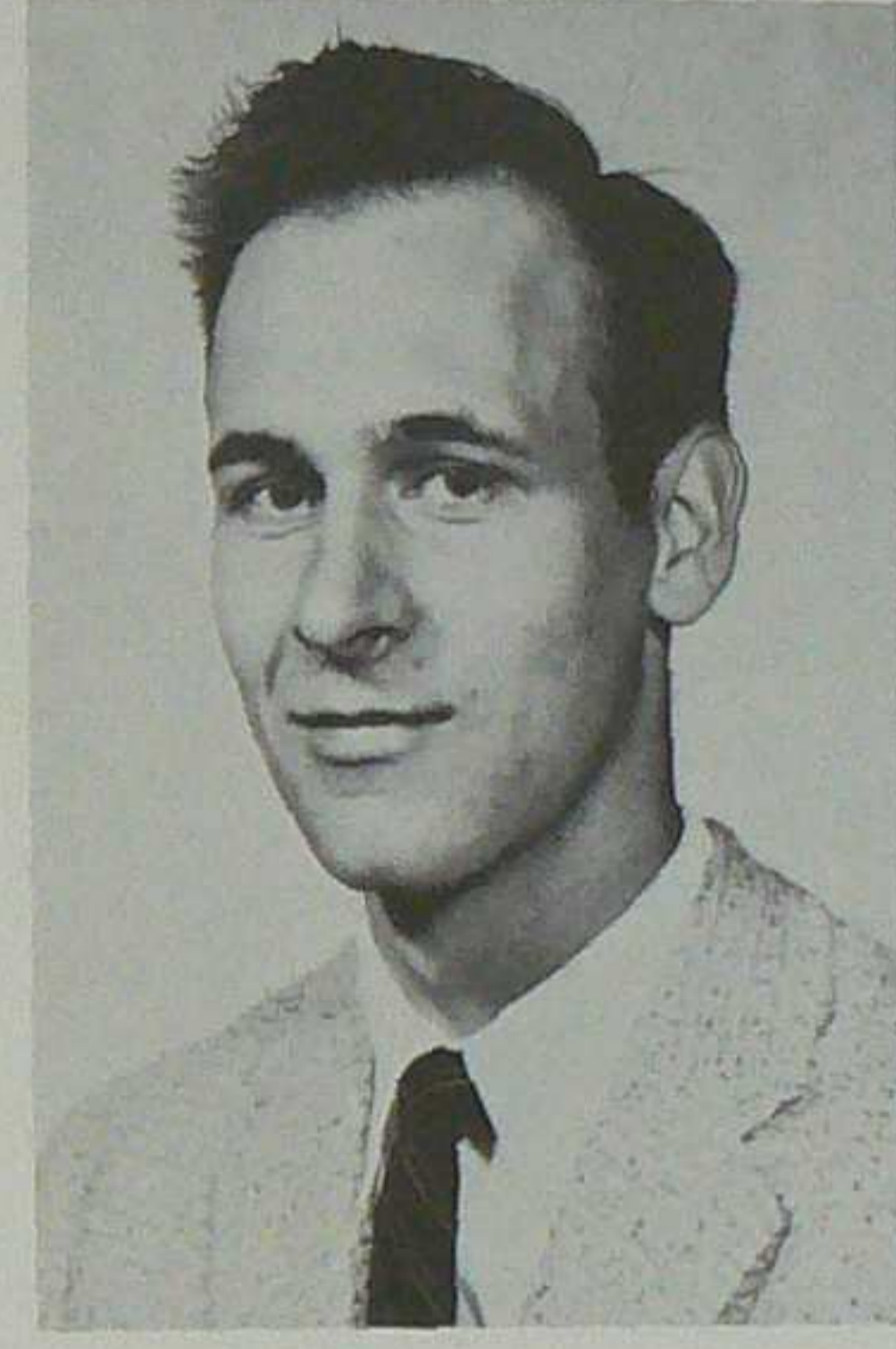


CHARLES M. FULLERTON  
Albuquerque, New Mexico



VIVIAN L. KAN  
Taipei, Taiwan

LELAND T. LONG  
Auburn, New York



MIGUEL A. MARINO ✓  
Cienfuegos, Cuba

W. C. 'PAT' GARRETT  
El Cajon, California

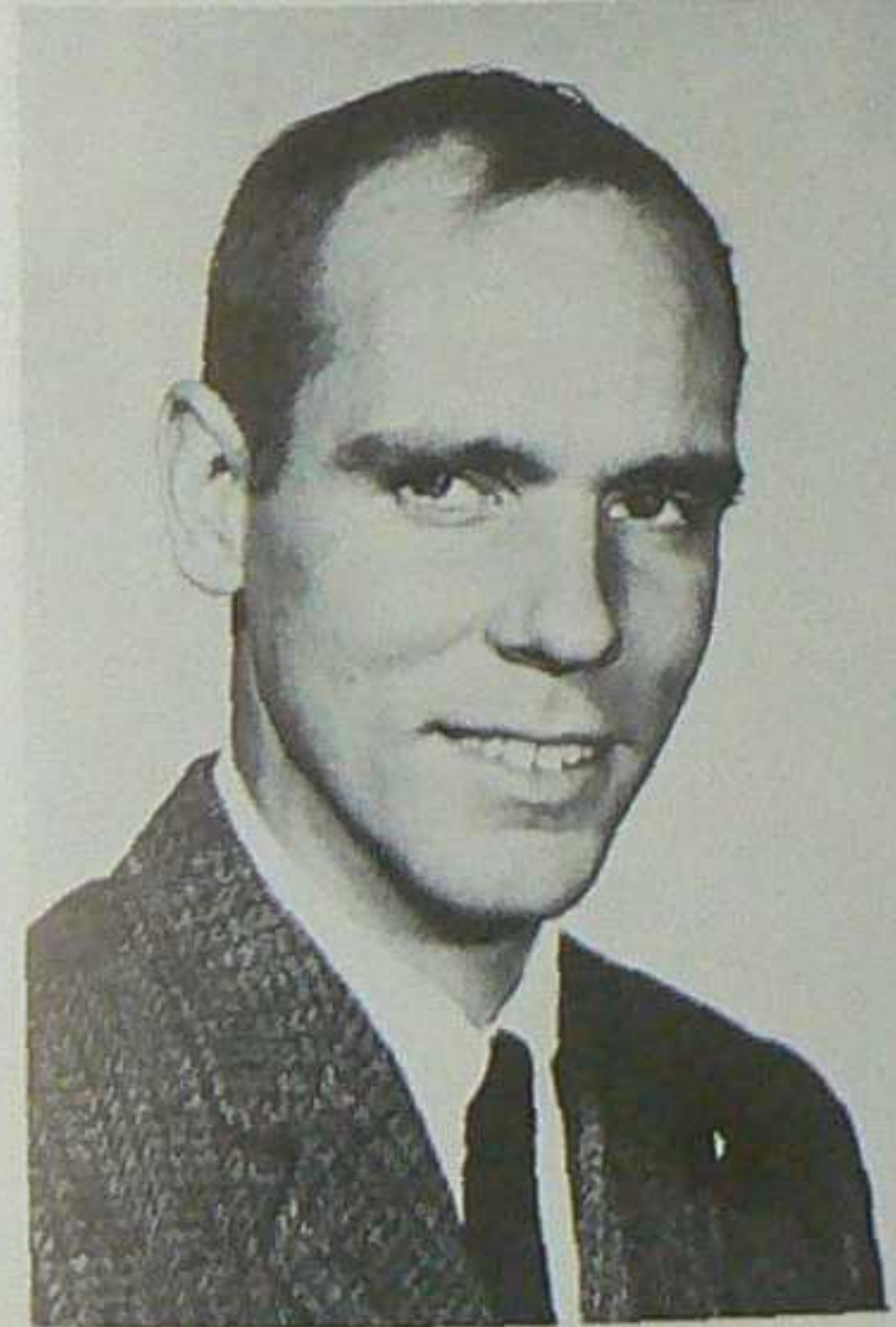


BRUCE W. GAY  
Ludlow, Massachusetts

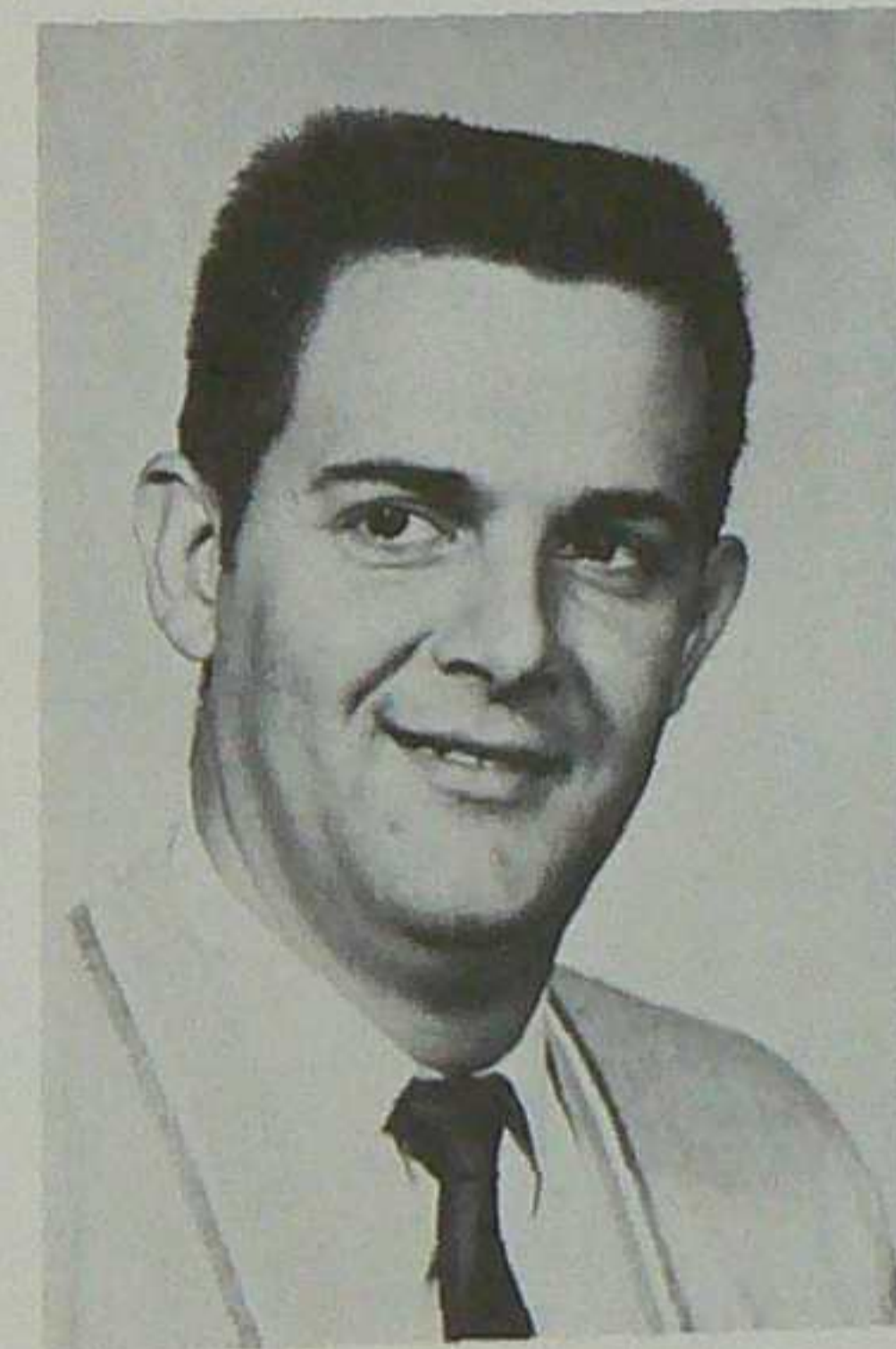
KENNETH A. GRACE ✓  
Fort Victoria, Rhodesia



DWIGHT G. MOORE ✓  
Washington, D. C.



JACOB L. SEGREST  
Lufkin, Texas



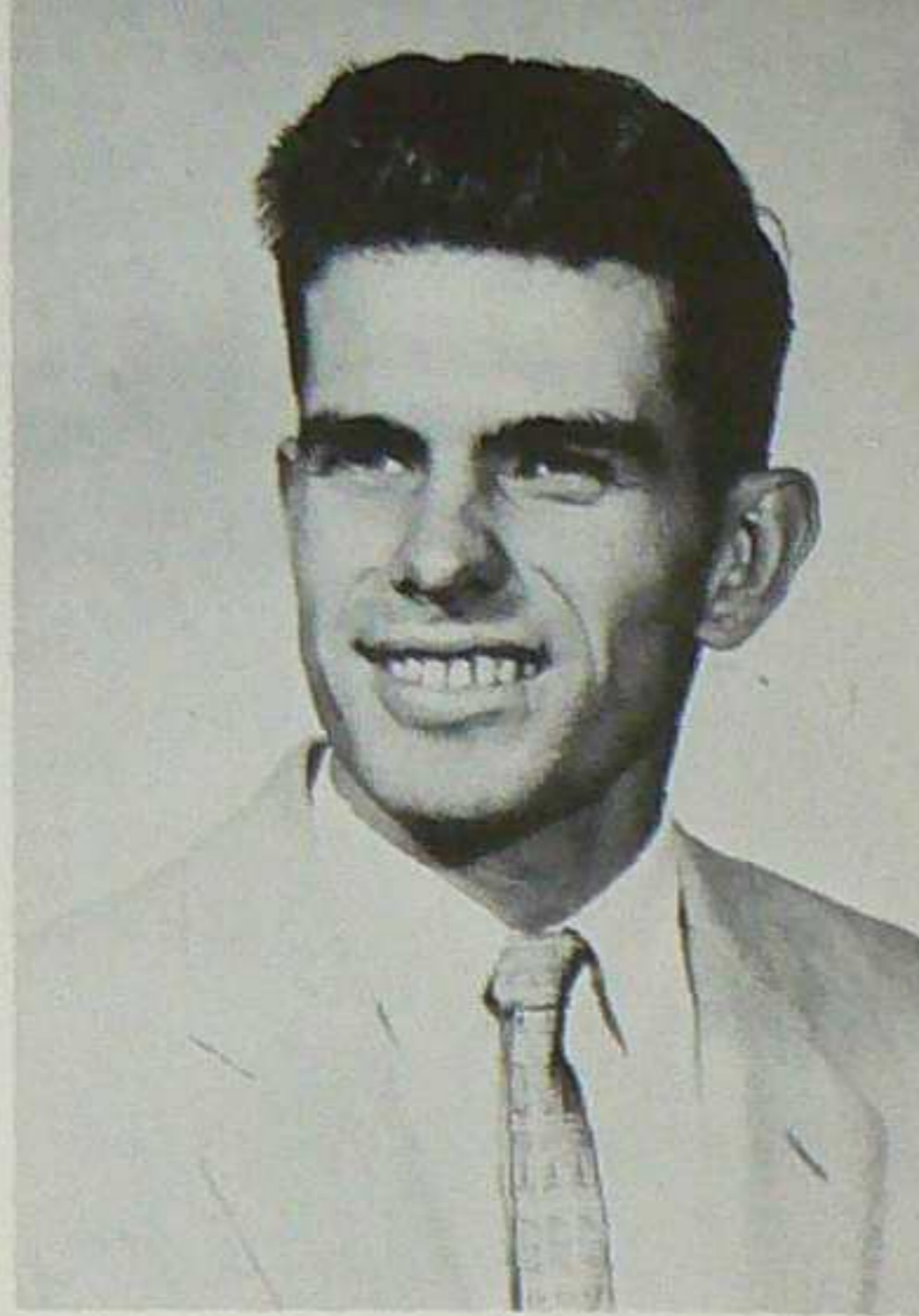
THOMAS I. POE, III ✓  
Luling, Texas





RONALD D. STANLEY  
Clovis, New Mexico

JOHN A. TATUM, JR.  
Memphis, Tennessee



DONALD D. THAYER  
Albuquerque, New Mexico

ADRIAN P. VISOCKY  
Altoona, Pennsylvania

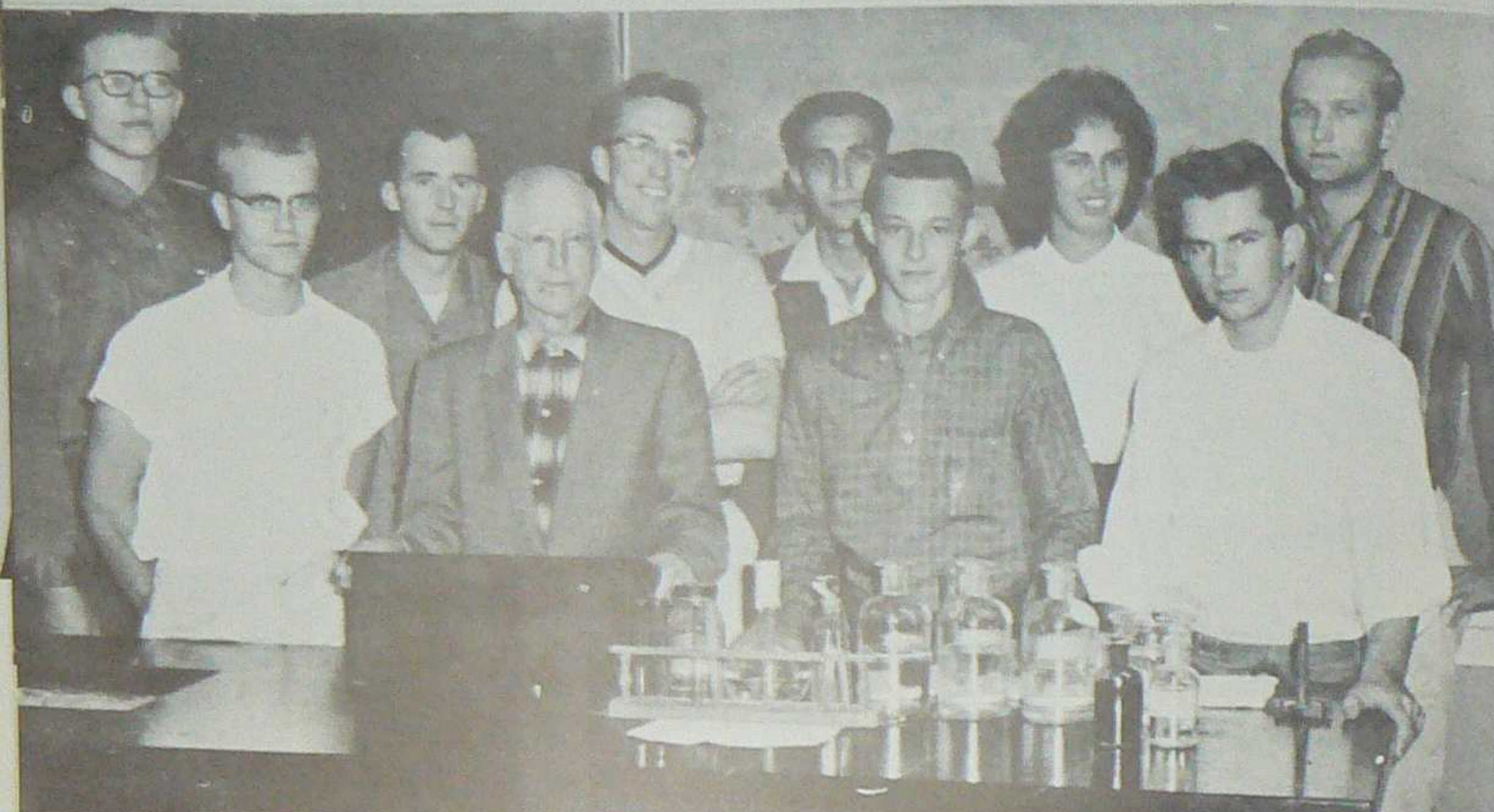


DONALD P. WILLIAMS  
Socorro, New Mexico



*Organizations*

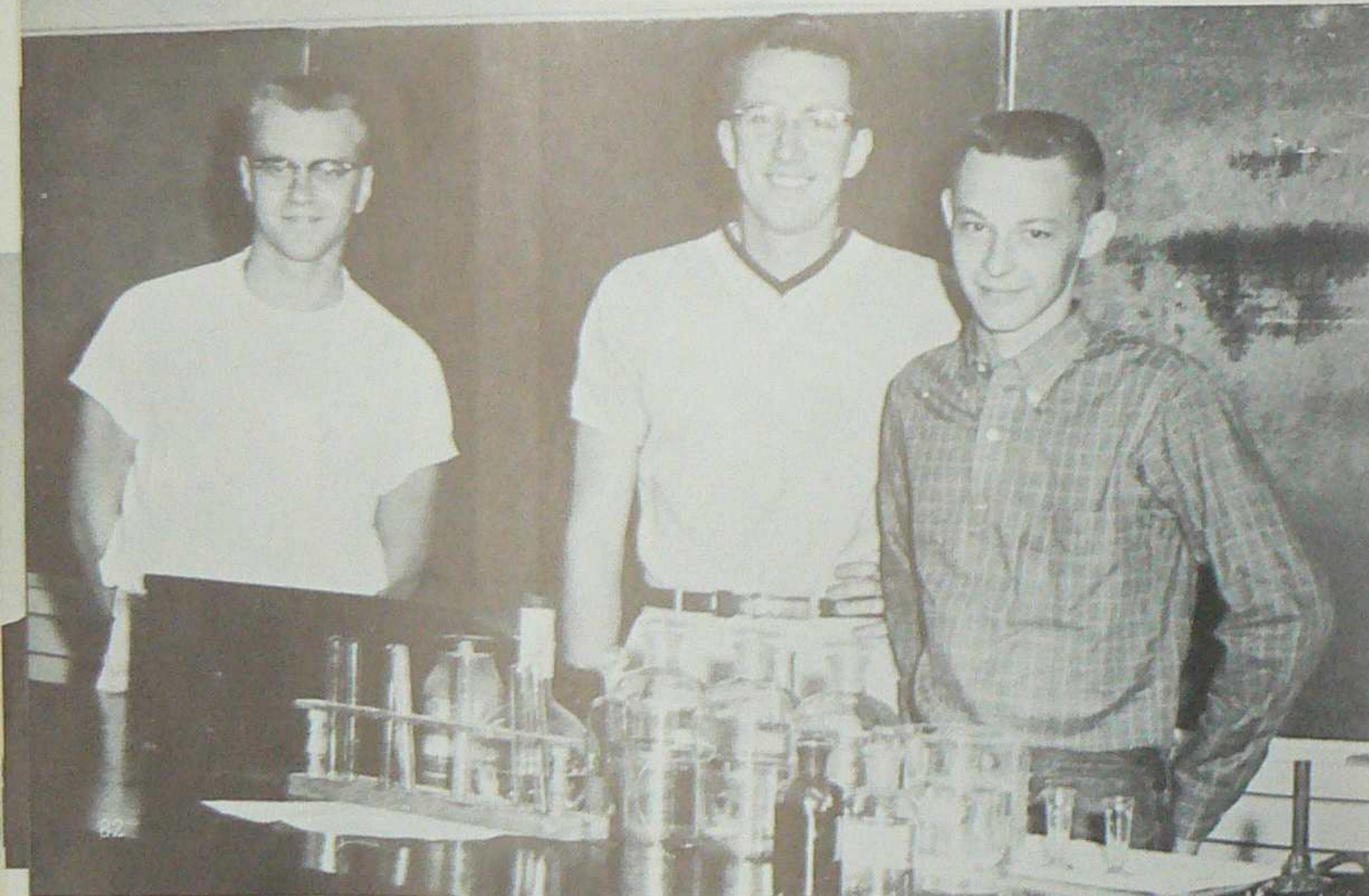
Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb Lu  
 Th Pa U Np Pu Am Cm Bk Cf



Dilatash, Stubbs, Darnall, Konkol, (back row) Eide, Davoll, Rezba, Jojola, Dixon, Shay

## CHEMISTRY CLUB

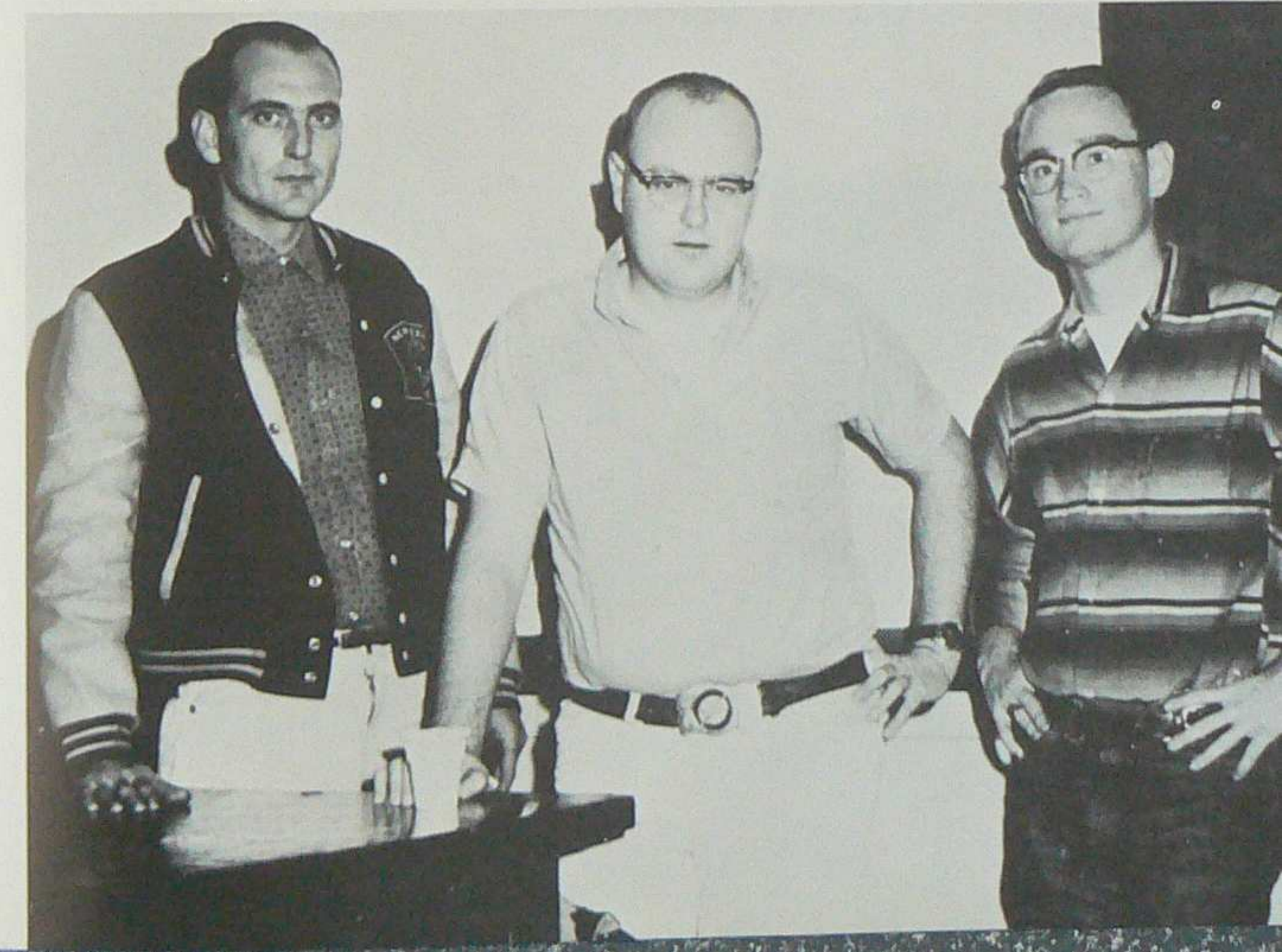
CHEMISTRY CLUB OFFICERS: Andrew Dilatash, Vice President; Robert Rezba, Secretary-Treasurer; Dennis Darnall, President



COONEY MINING CLUB—Garver, Jarboe, Roney, Christy, Cane. Second row: Furstonower, Purcell, Mitchell, Eaton Third row: Sheffer, Lee, Patchett Fourth row: Grace, Woody, King, Jacobson, Wolter. Fifth row: Griswold, Gay, Zack, Ackerman, MacDonald, Dear, and Wilson

## COONEY MINING CLUB

OFFICERS: Hugh Woody, Vice President; Robert Lee, President; John Patchett, Secretary-Treasurer.

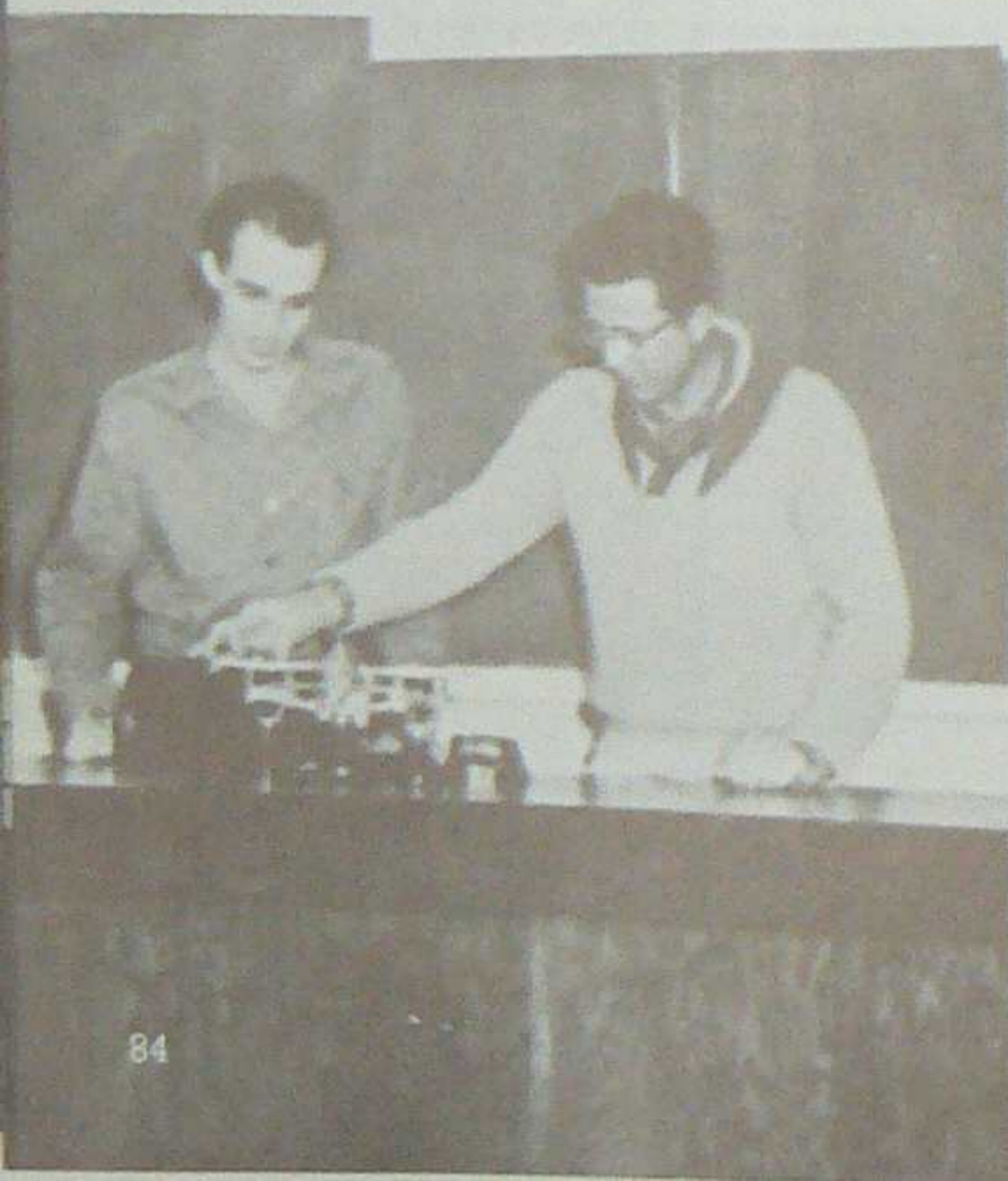




MEMBERS OF PHYSICS CLUB—Wesley, Hodge, Seagraves, Berry, Brueland, Murphy, E. Wilson, Coose, Richardson, B. Anderson, Ballenger.

## PHYSICS CLUB

OFFICERS: Lewis R. Ballenger, President; Rudolph S. Reyes, Vice President; Bobby R. Anderson, Secretary-Treasurer.



MEMBERS:—Weiner, Stanton, Crouch, Jones, Koenig. Standing: Sower, Post, Shriver.

## DRAMATICS CLUB

OFFICERS: Nathan Post, Vice-President; Hal Weiner, President; Peggy Crouch, Secretary.



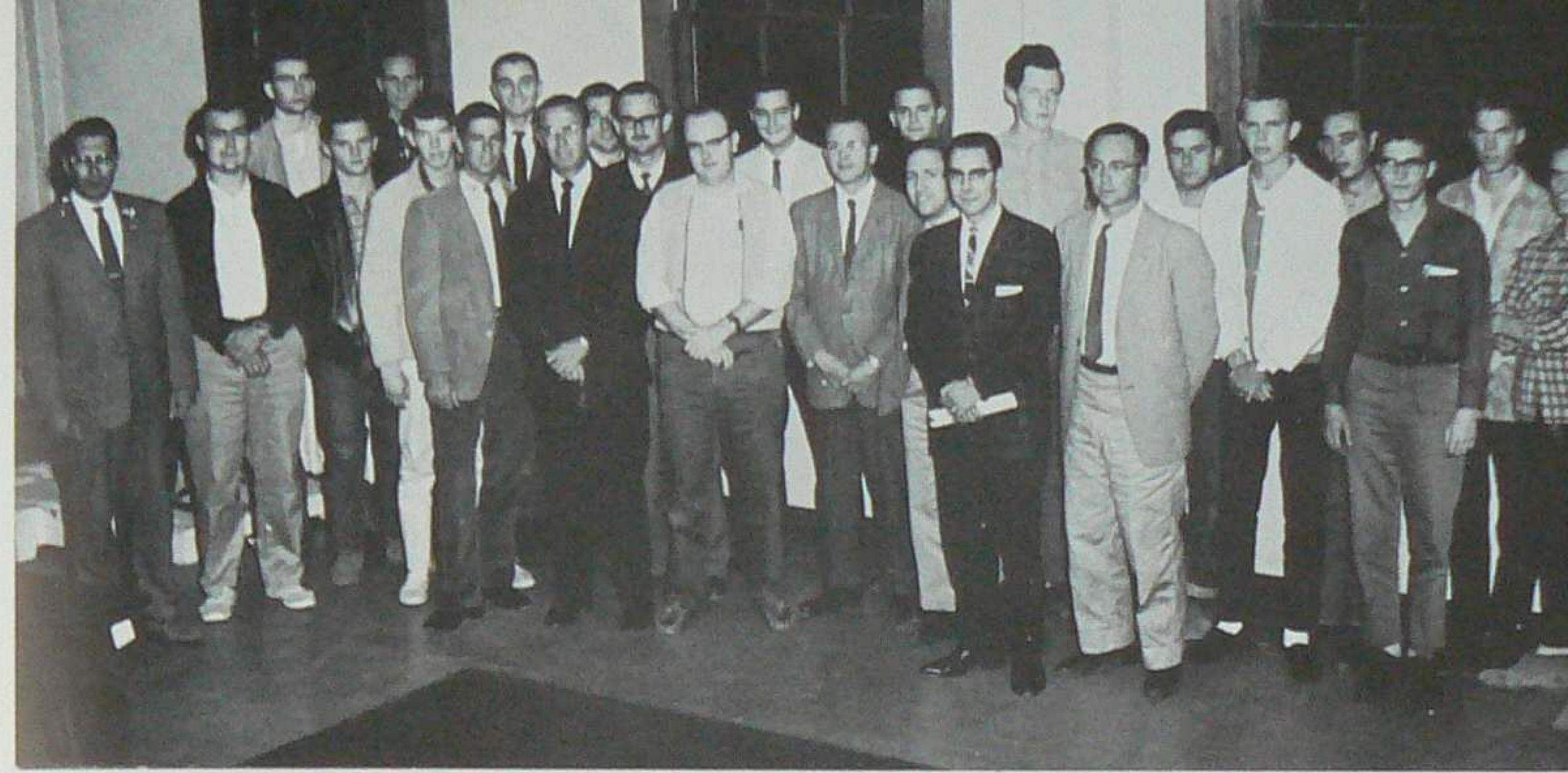




Maras, Taylor, Strickund, Roberts, Cane, E. Wilson, J. R. Williams, Klaar, Ackerman, Zack, Eaton, Wolter, Duff, Dear, Little, Marino, Jarboe, J. Clark, Morrison, Fons, MacDonald.

## PETROLEUM CLUB

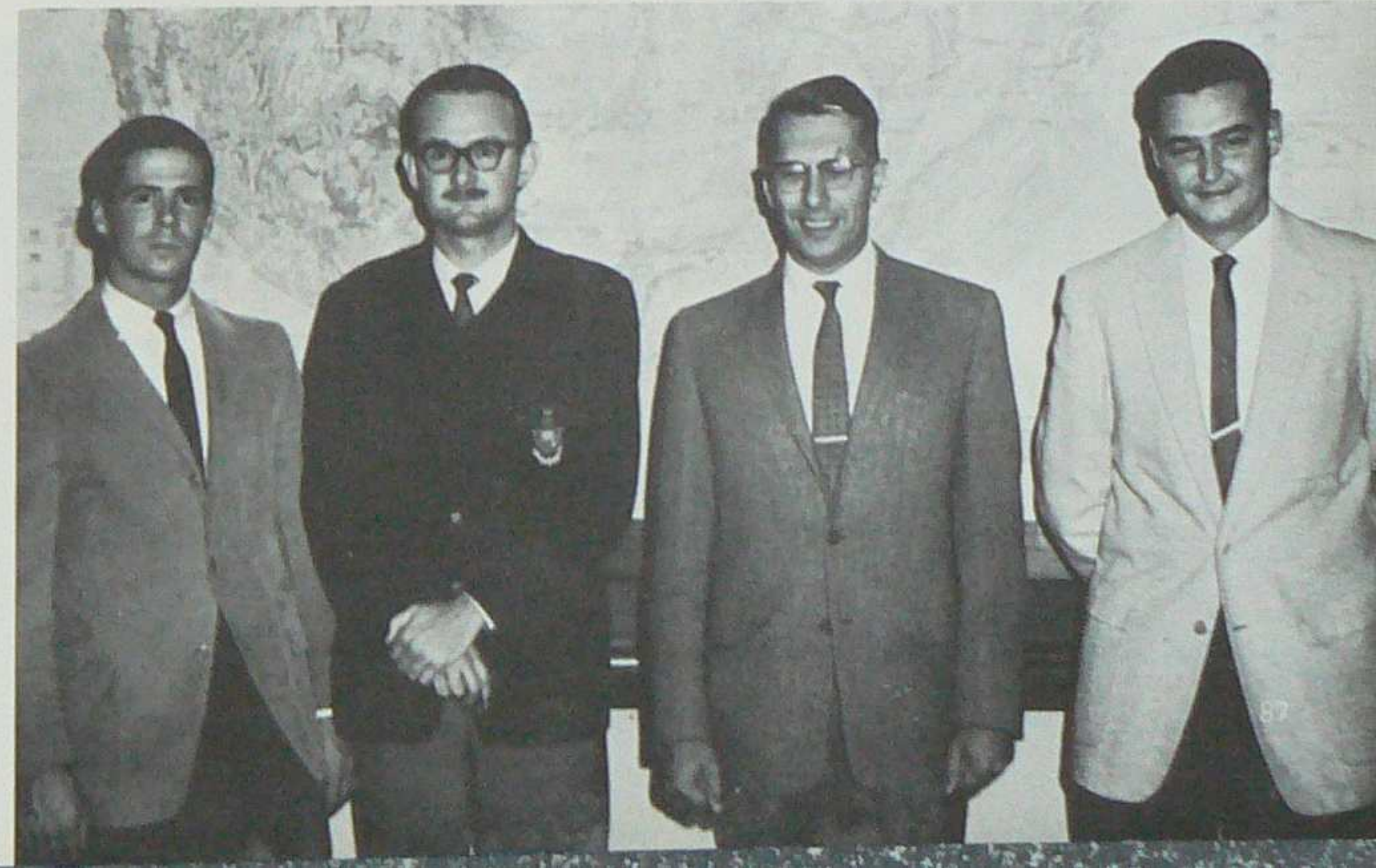
OFFICERS: Prof. Taylor, Sponsor; James Clark, Secretary-treasurer; John Morrison, President; Rod Williams, Vice-President.



GEOLOGY CLUB:—Budding, Vokurka, Garver, Jarboe, Shenk, Sheffer, Grace, Lee McGehee, Columbus, Marino, Evans, Howe, Eaton, Justus. Back row: Zellers, Moore, Visocky, Gay, Tatum, Poe, Wolter, Cohen, Chase, Duff.

## GEOLOGY CLUB

OFFICERS: John Shenk, President; Dr. Budding, Advisor; John Tatum, Vice-President; Kent Grace, Secretary-Treasurer.





## DAMES CLUB

Faculty, Staff, and Student wives

## GYM CLUB

McGettigan, Shortridge, Post, Huber, Howard, Doran, O. House, Koenig, Sower, Long, Kowalski



COLLEGE PROGRAM SERIES  
Crouch, Hall, Rezba, Roman, Dr. Shufle, Rezba.



MINERAL & LAPIDARY CLUB  
Cohen, Jones, Zellers.

## STUDENT COUNCIL

Bill Bailey, Sophomore; Benny Doran, Secretary-Treasurer; Hugh Woody, Senior; Eric Berg, Vice-President; Back row: John Morrison, President; Bruce De Brine; Graduate, David Zack, Junior.





Well represented by sponsors, right?



Ooh, watch your feet!



Do you always stand flatfooted?



Two hours is a long time for a girl to powder her nose.

## PHYSICS CLUB

It was a great dance and attendance wasn't even required!



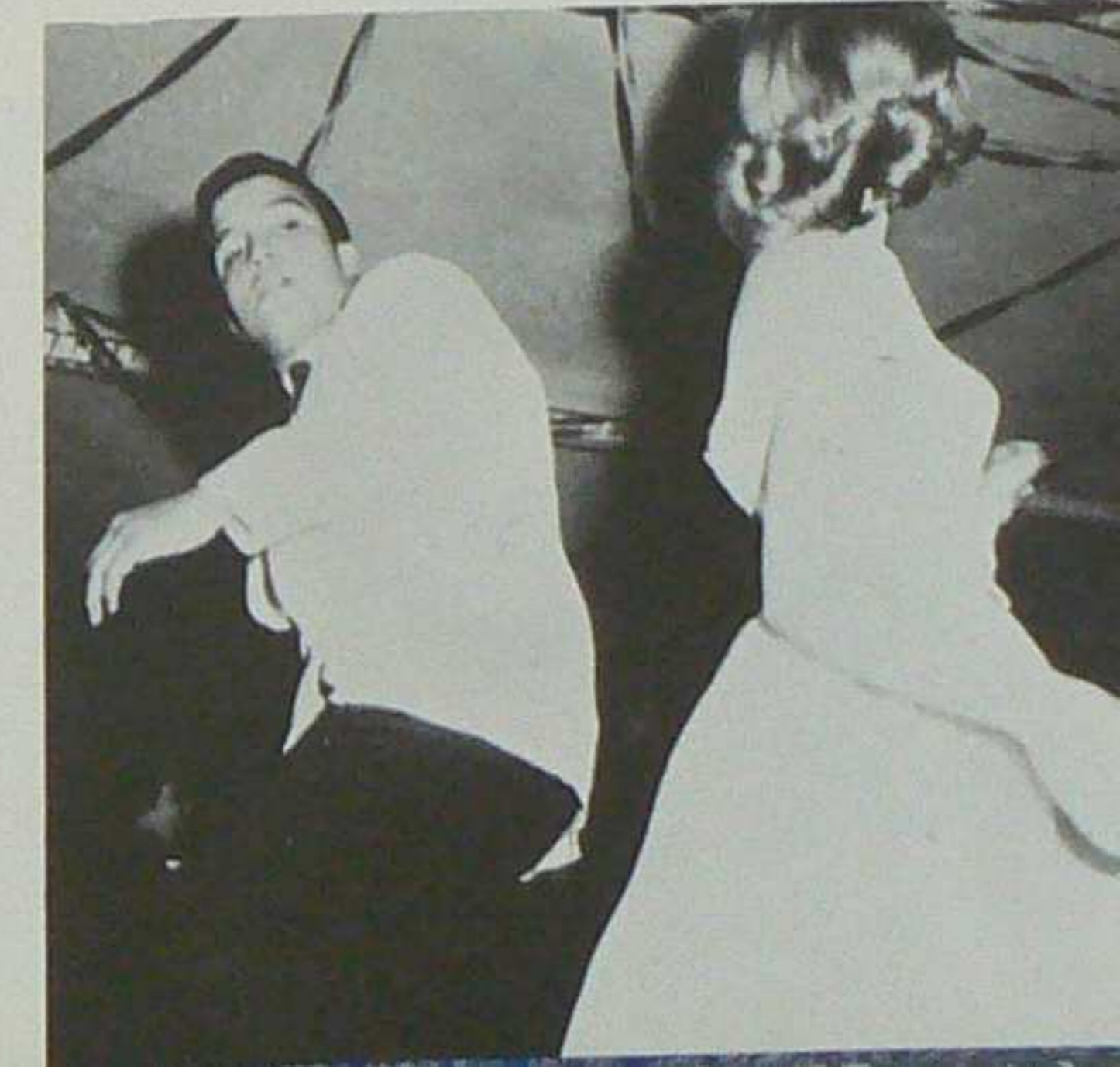
## DANCE



Hey, this is great! . . . .

A block thrown by . . . .

Pose, Vernie

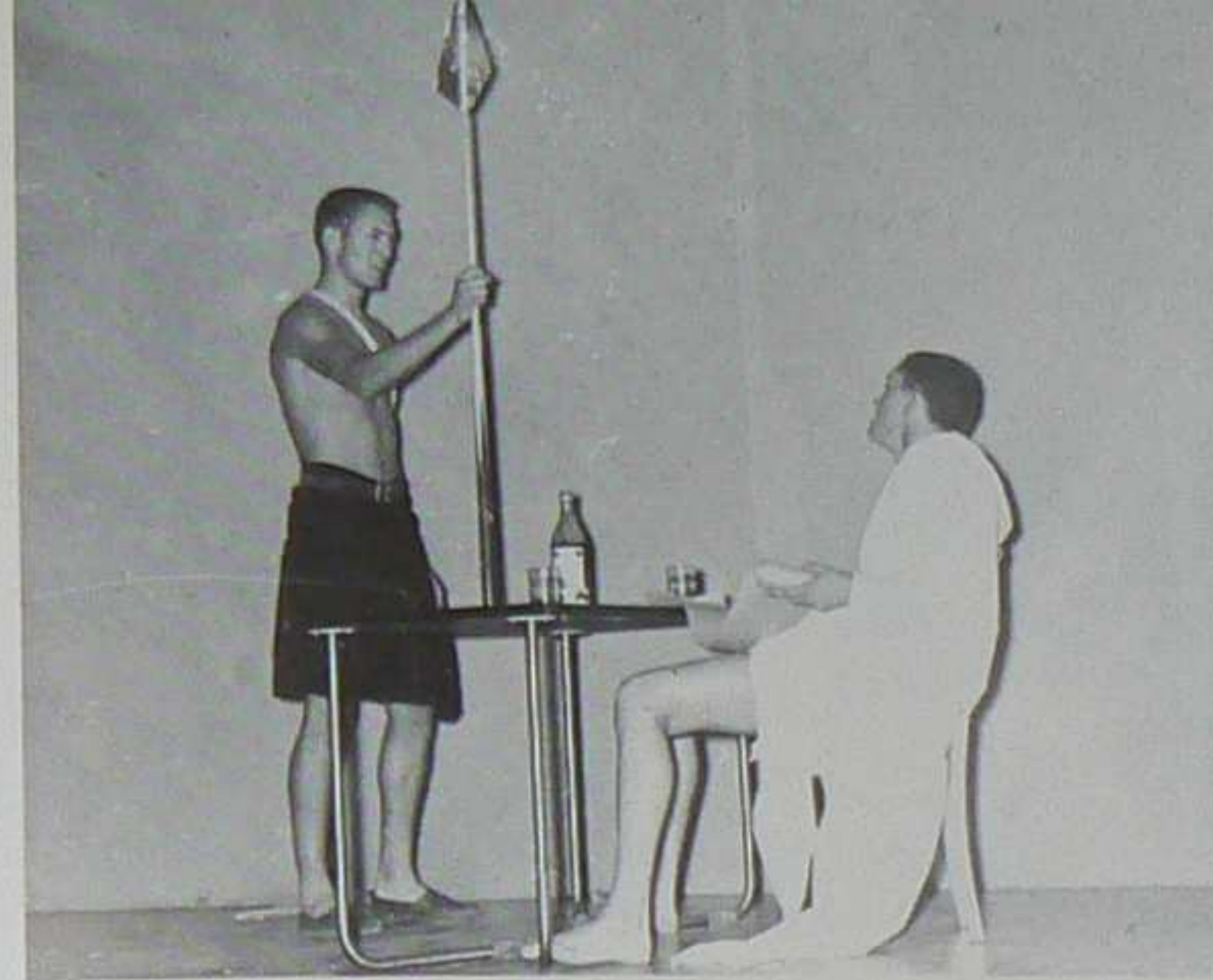




DR. HARRIS  
everyone remembers  
"Jean d'Arc . . . ."



A little shy but good — 1st place  
SMITH



Humanities 621. . . . .  
SOWER POST



Two guitar pickers from Juarez  
SANDERS FORTUNE



Ye olde Ballad singer,  
2nd place  
LATHAM

Spanish Dance, 3rd place  
ALLEN

## TECH STAR

## TIME



Professor Spitzminzer  
PATCHET

Will Charlie "Co-op" ever return from  
the depths of Blue Canyon?  
WEINER



Family life on campus  
DAMES CLUB



Guitarist extraordinary  
GUSTAFSON

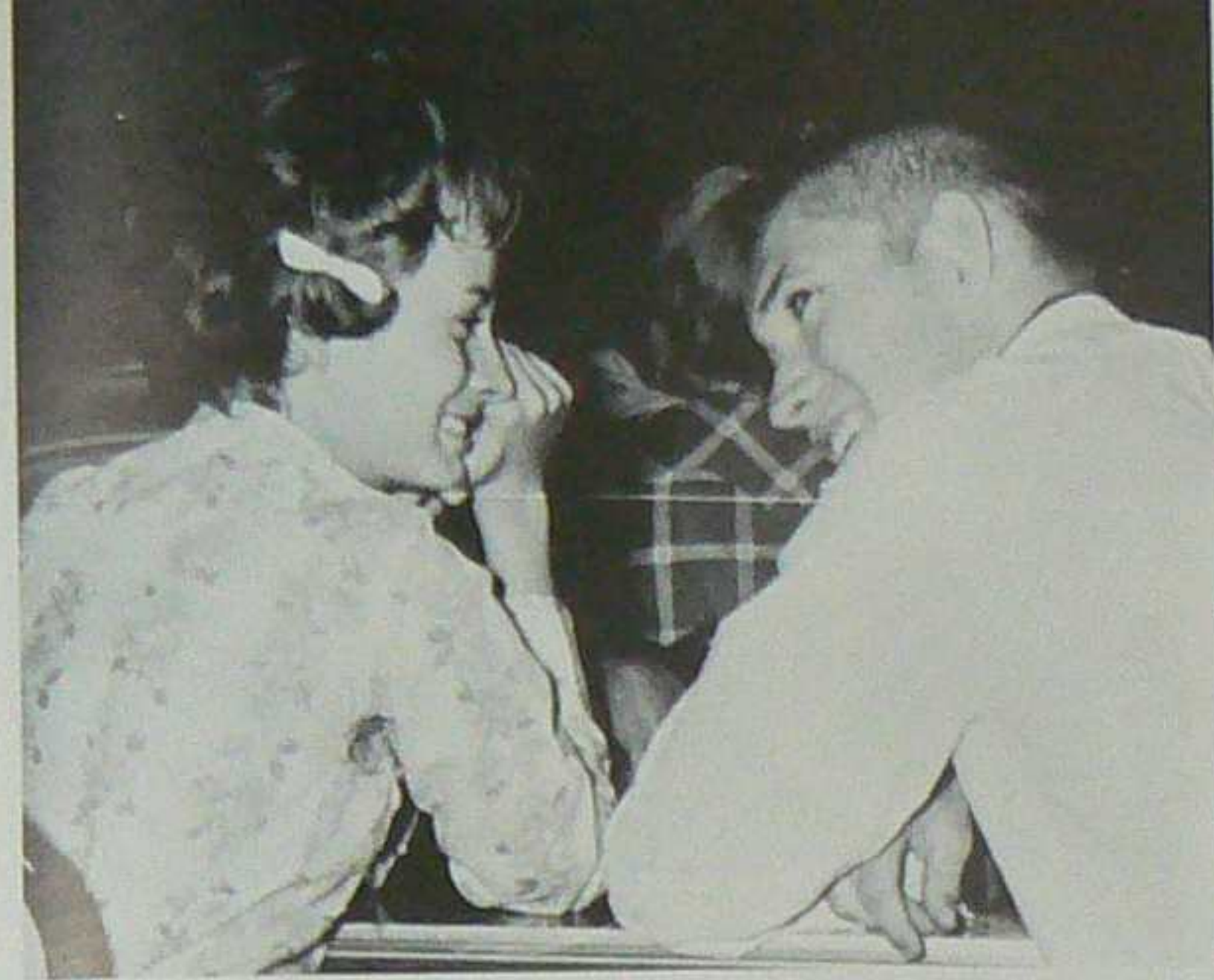




Something else must be of interest,  
hey, boys?



Pick her up, swing her around,  
Work her out, then sit her down.



Yes, F-ma

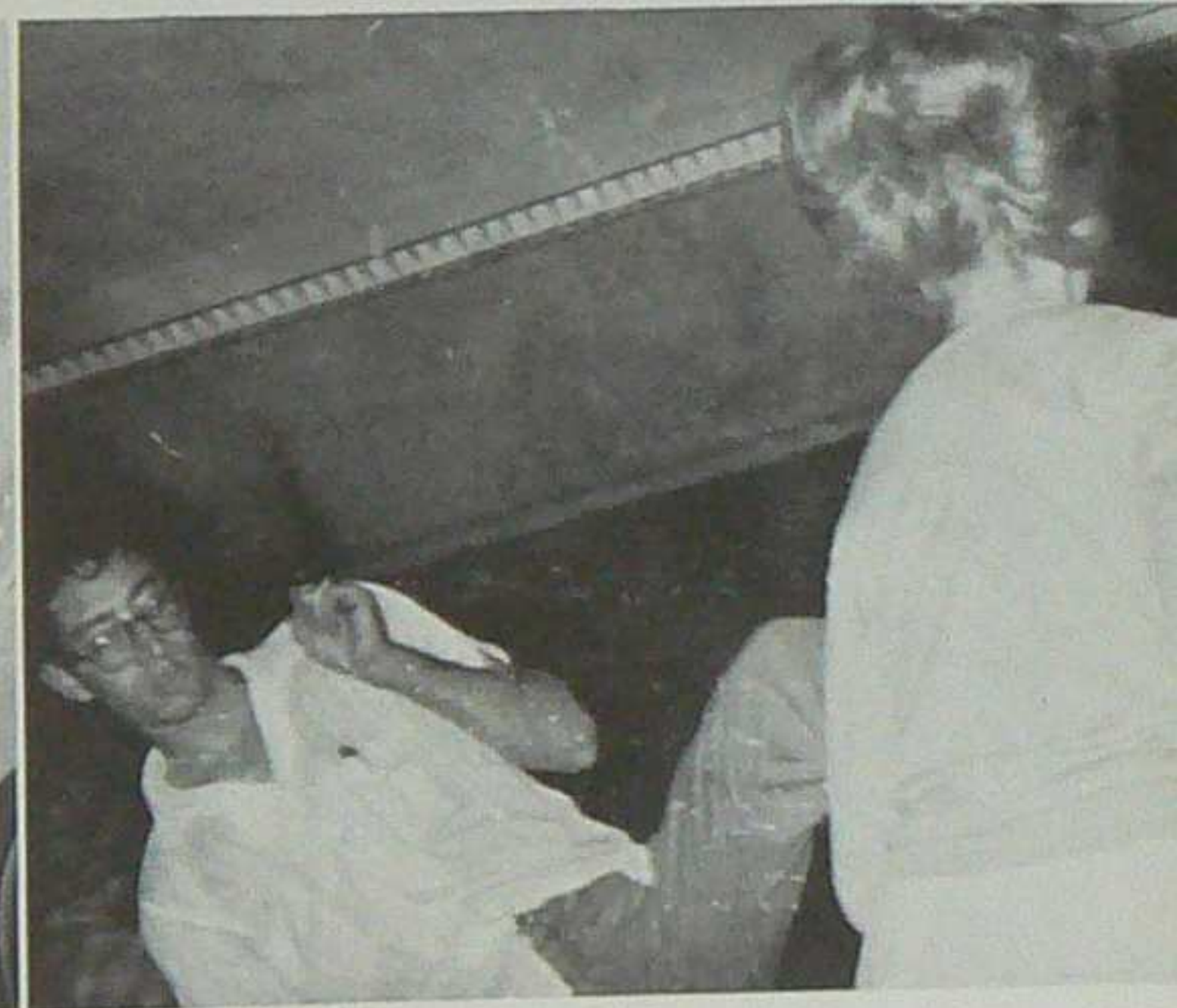


Smile for the birdie, please . . . .

## WESTERN DANCE



Look at that fool dance!



Cool, cool twisting . . . .

Never a dull moment . . . .



Easy there, pard . . . .

Ahhhhh. . . . .



But, but, but . . . .





Togetherness



The back breaker grip



The Swingin' band



Sad Sam and Smiling Sue

That twist is just too much!!!



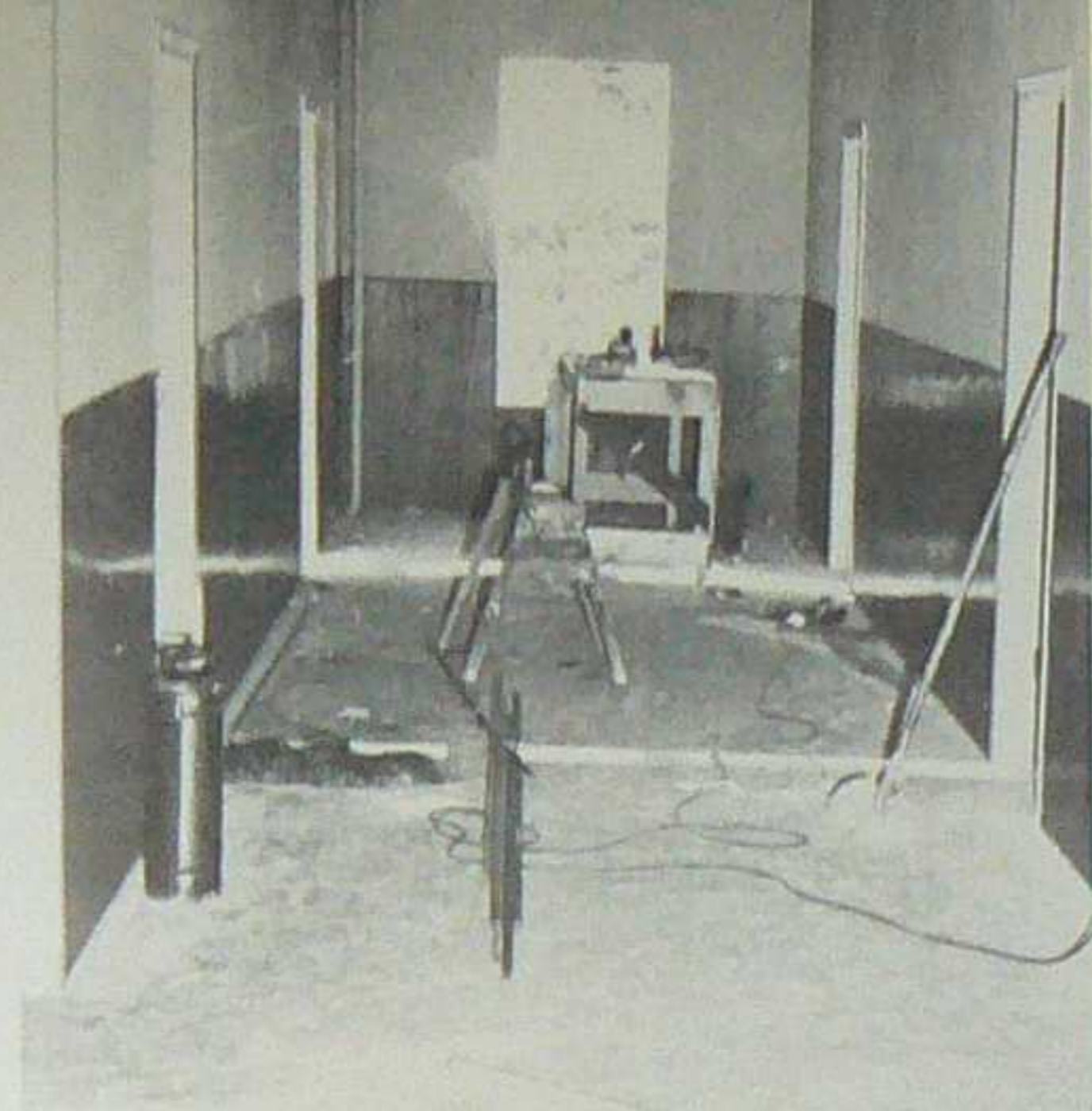
Sharpest Couple



OPEN HOUSE

Mrs. Mitchell, Dormitory Manager, and the NMIMT coeds present the new facade of Driscoll Hall to the community with a Sunday afternoon tea.





OH!  
AT LEAST A WEEK BEFORE  
OPEN HOUSE





Posed ???



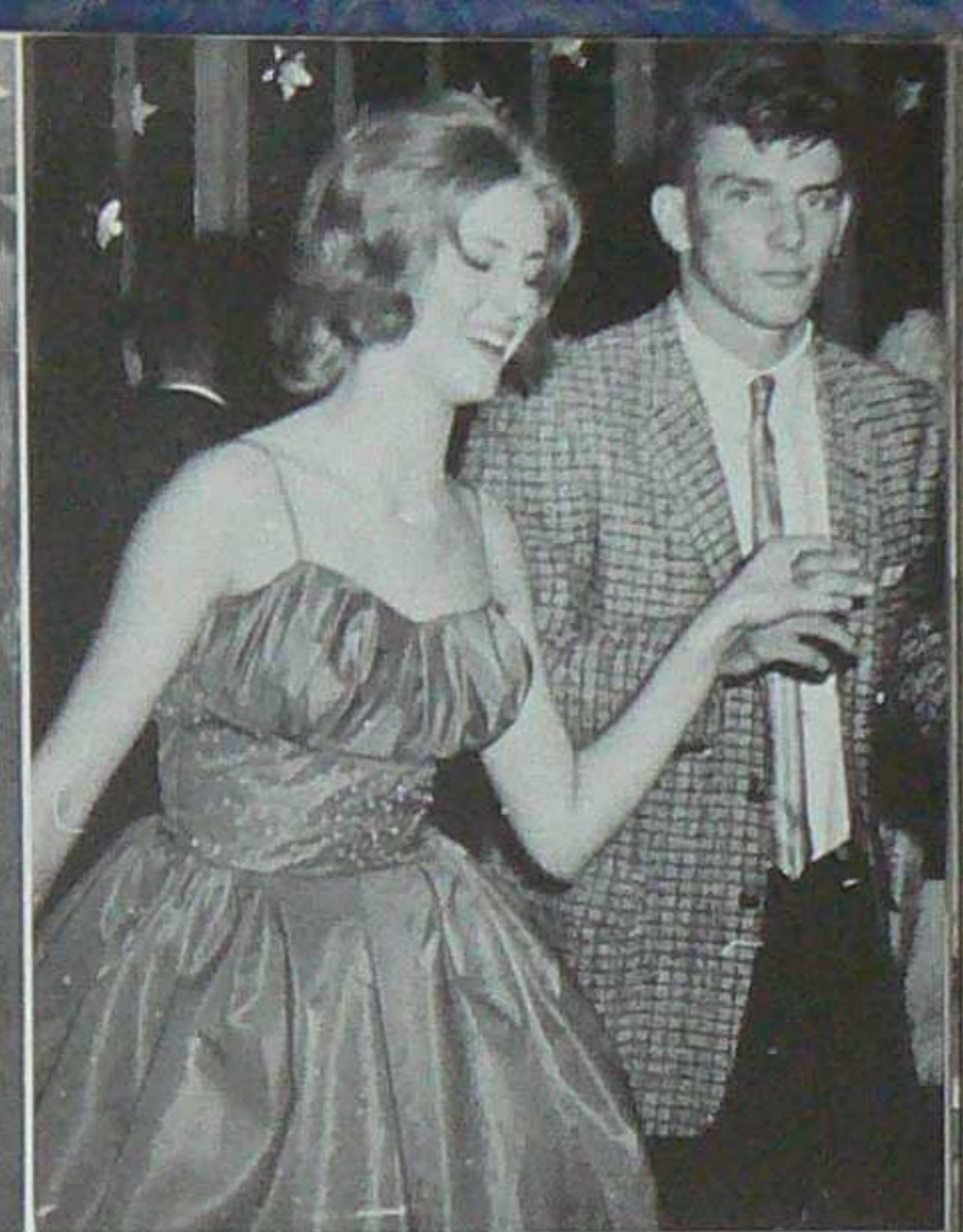
Three  
Aces



Yeah!!!  
I'll take a couple.



It's only a  
photographer.



Notice the  
eyelashes.

Lovelies.



Merry Christmas,  
Folks.





Gee, Walker's Deluxe!



I still think the ref cheated me.



Poker face.



Zebra and his rental coat.



Good work, boys.



Out partying again.

# FLUNK AND FORGET DANCE

Show me how.

Happily married couple.



Hey, you two, let's twist.

"Gentlemen Prefer Blondes"





Ecstasy.



Those were great times.



Oh, really?



Round and round we go.

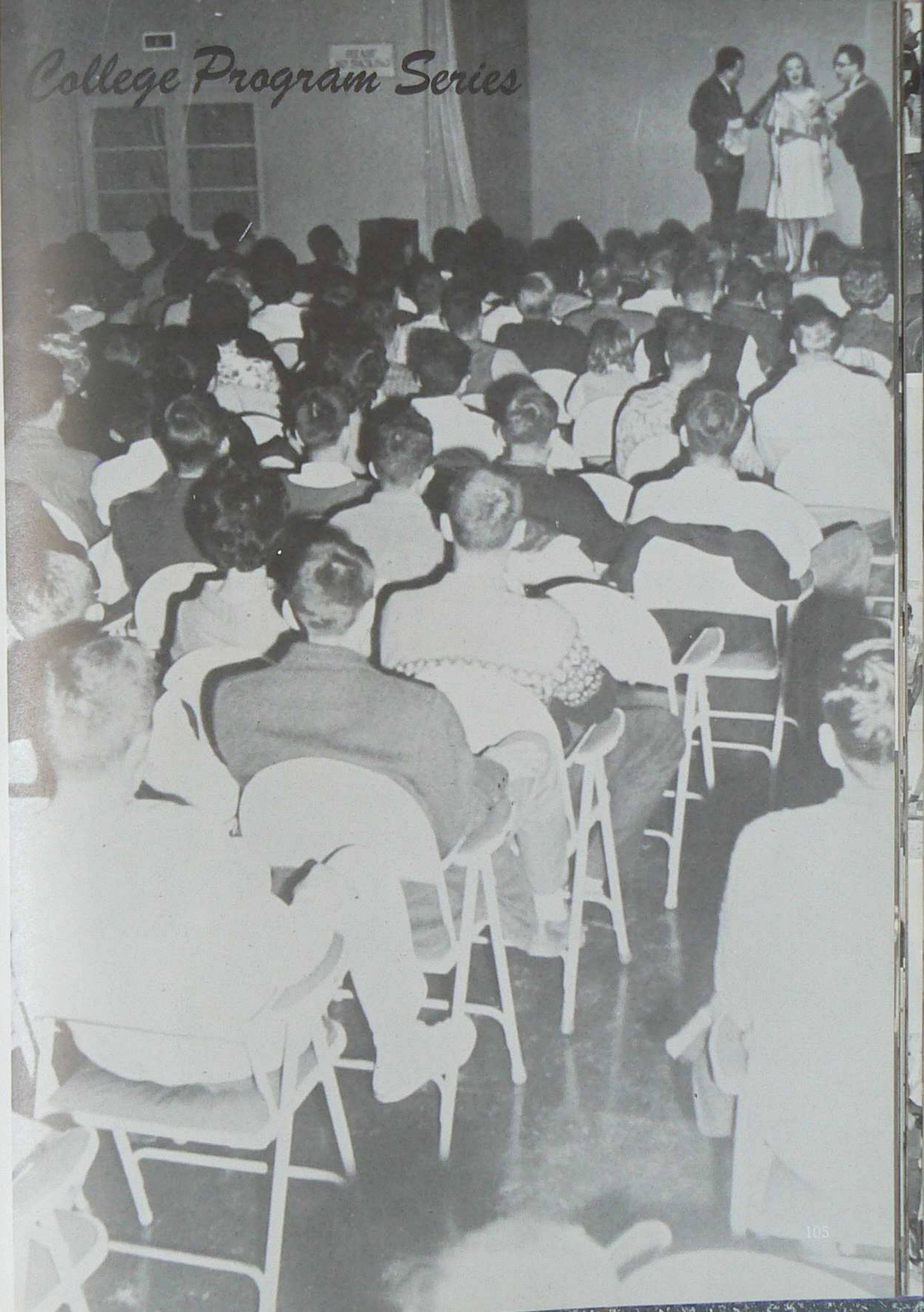
Roller type twistin.



Double drinker?



# College Program Series





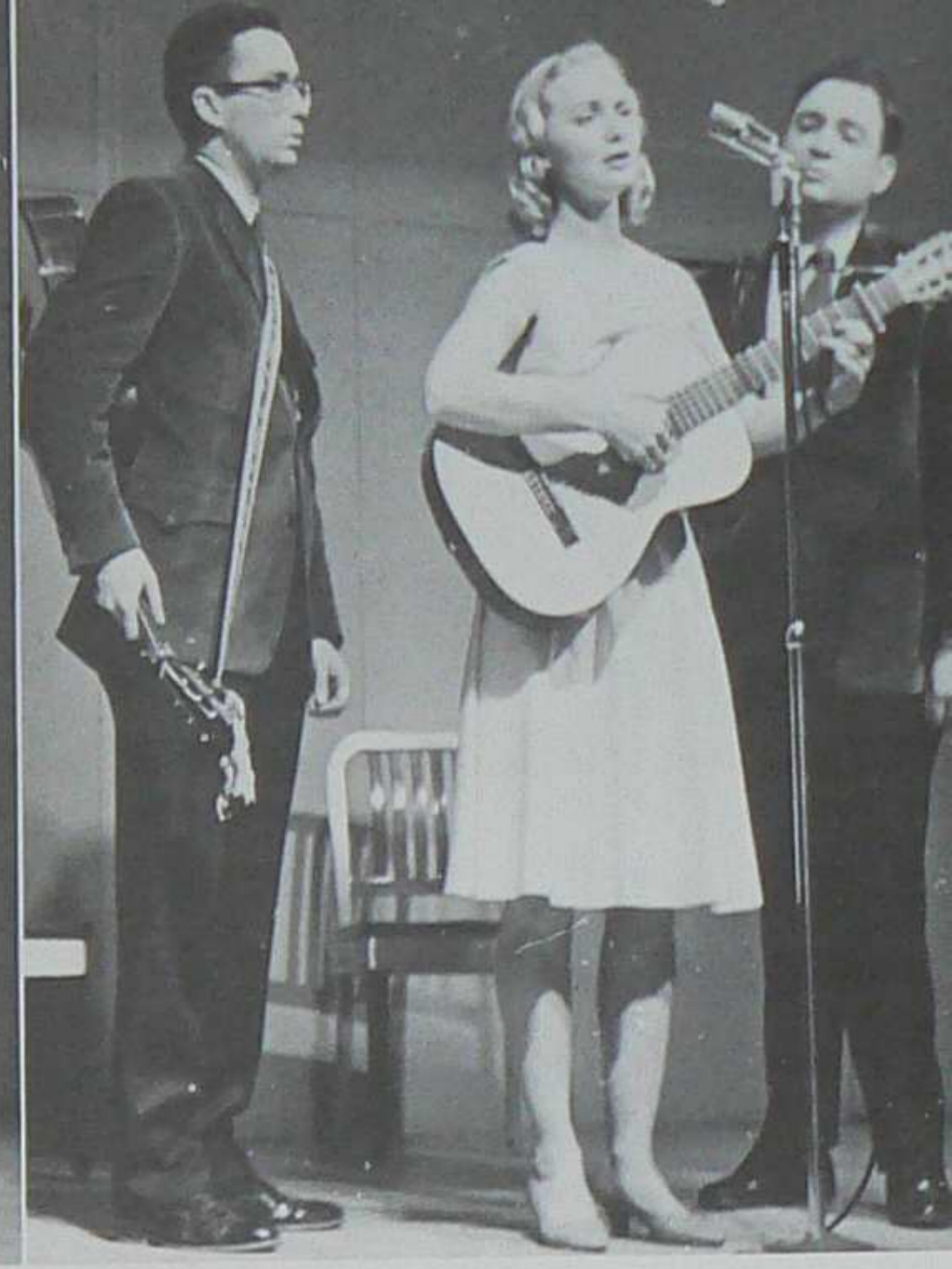
Jerry Hall  
Emcee



Speaker Gordon Hall  
"Fight against bigotry!"



Singing Duo



The American Folk Trio

Marilyn Dubow  
Violinist



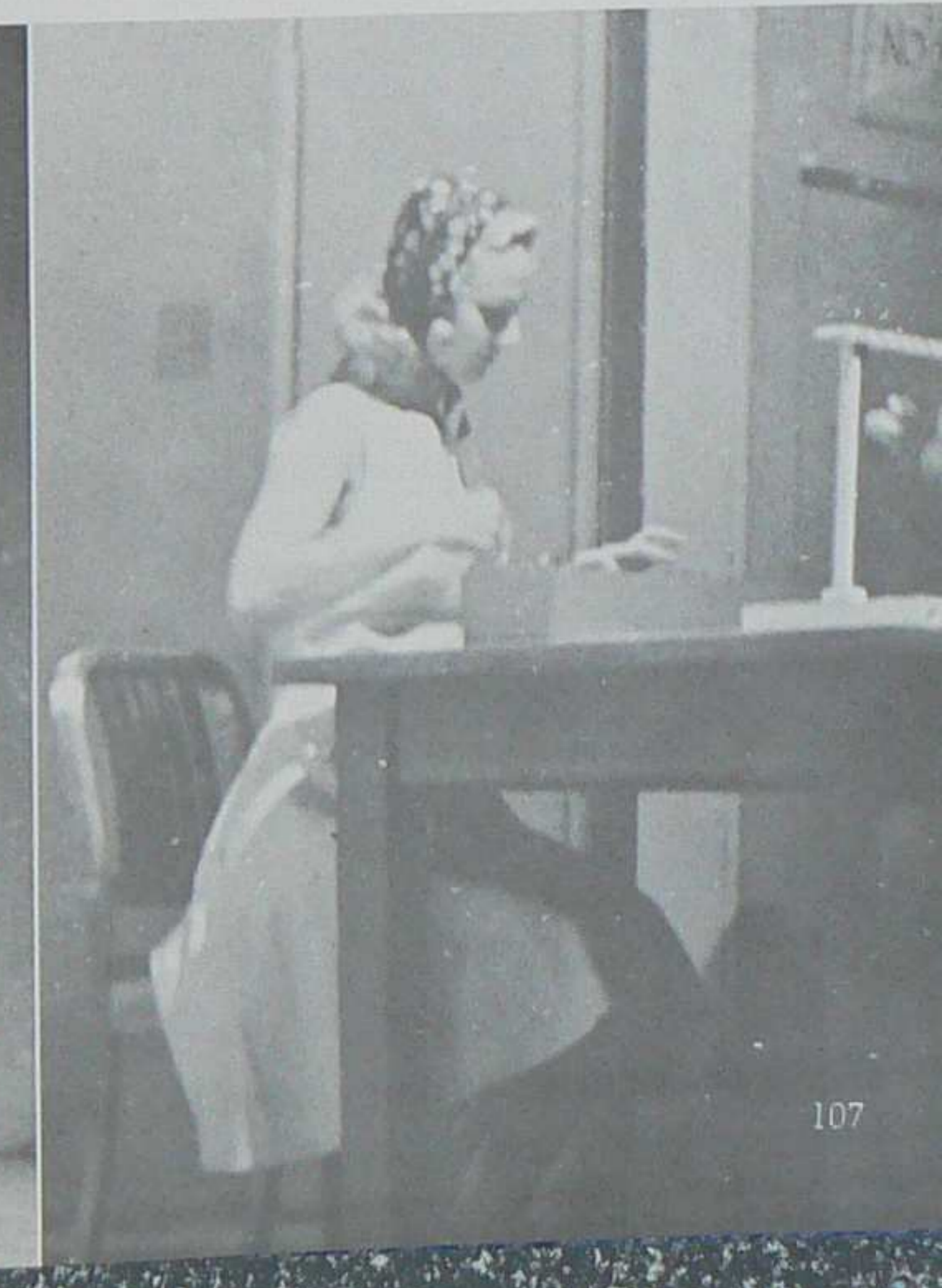
Reception



Instrument



A Little Jig





Beer! Beer! Beer!

Ham what am.



Carefully watching.

Educated transportation.



# sPORTS



BALLET

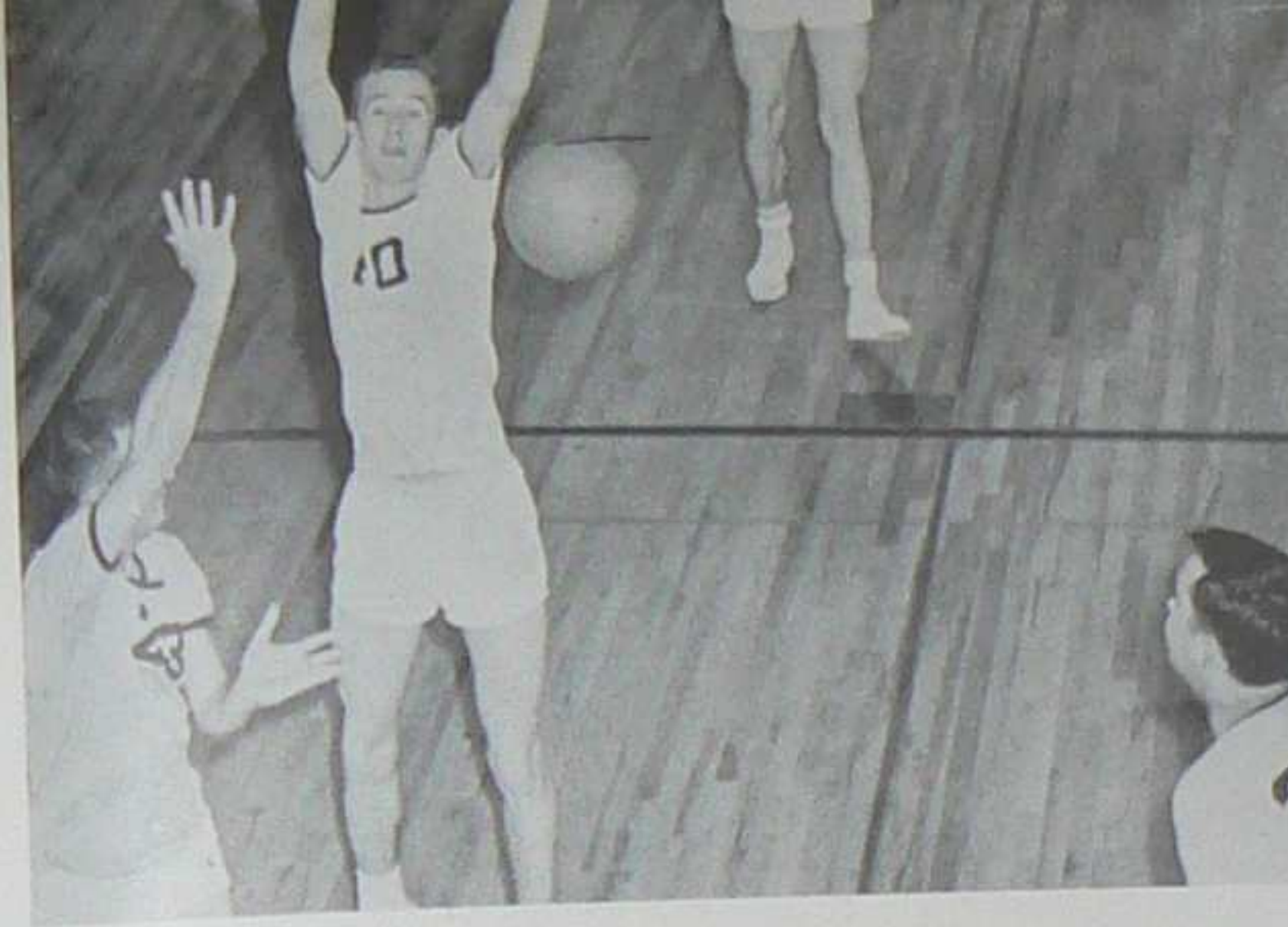
STARS



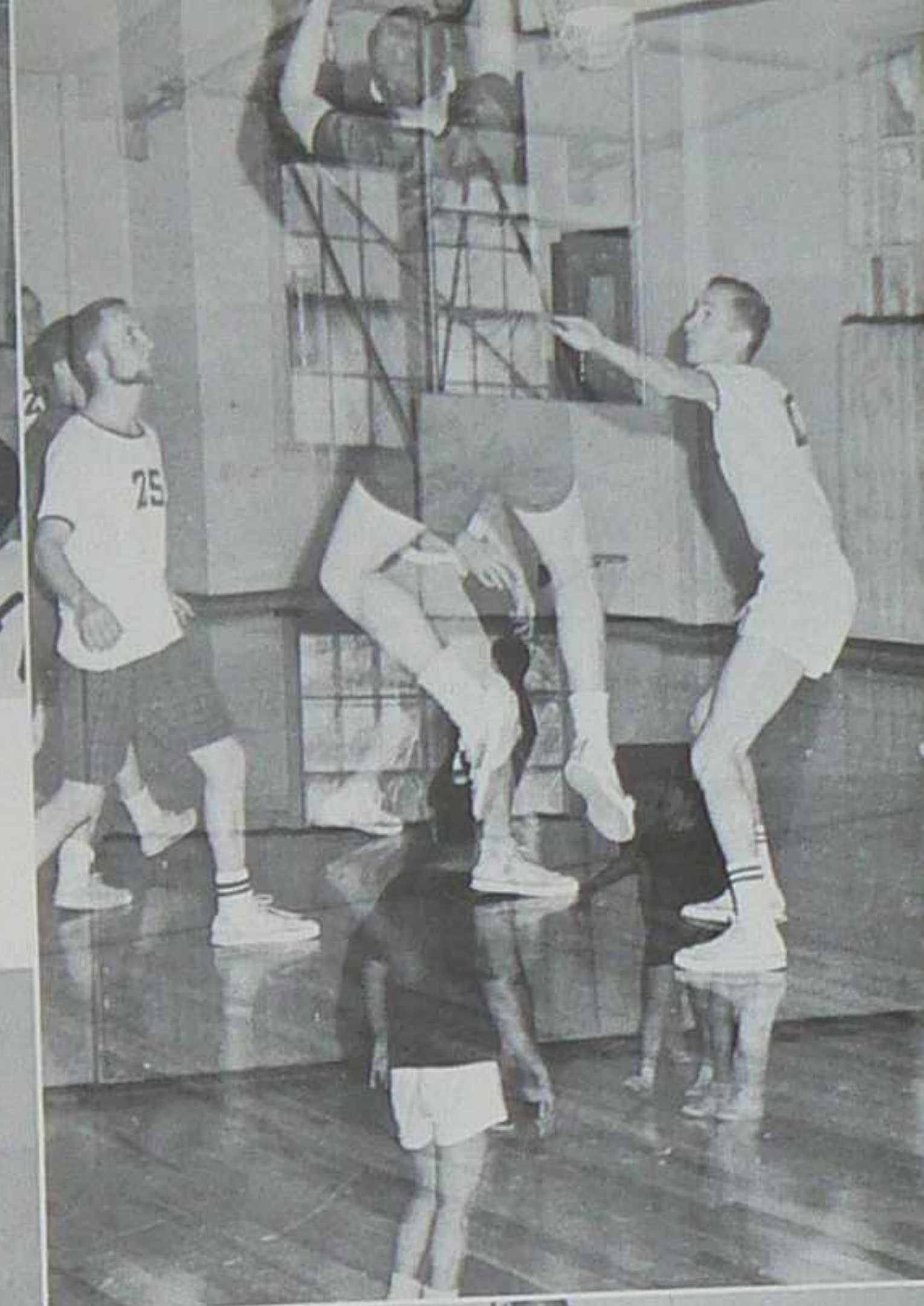
appearing

at

NMIMT



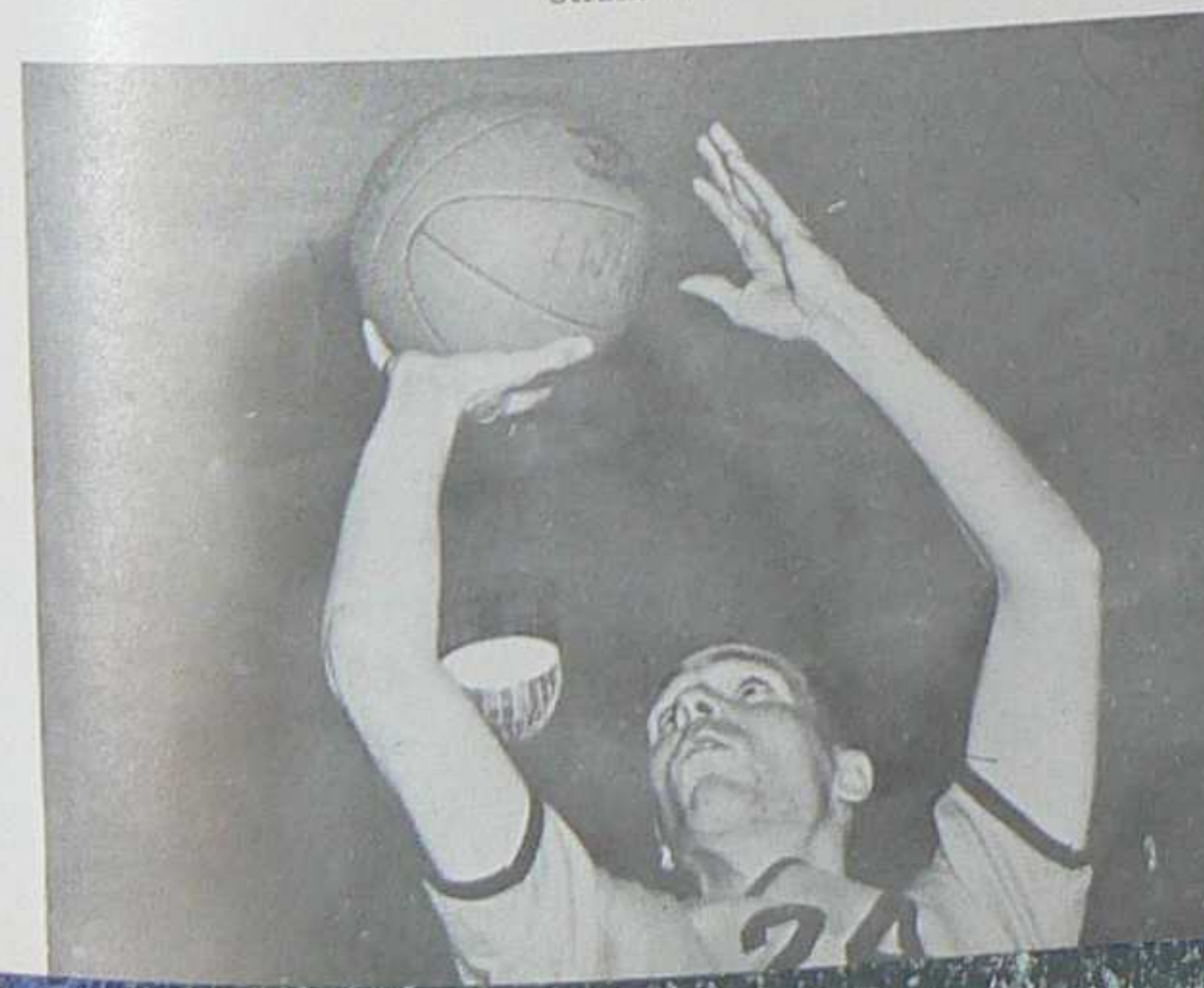
The game after the night before.



Play my way or don't play at all!



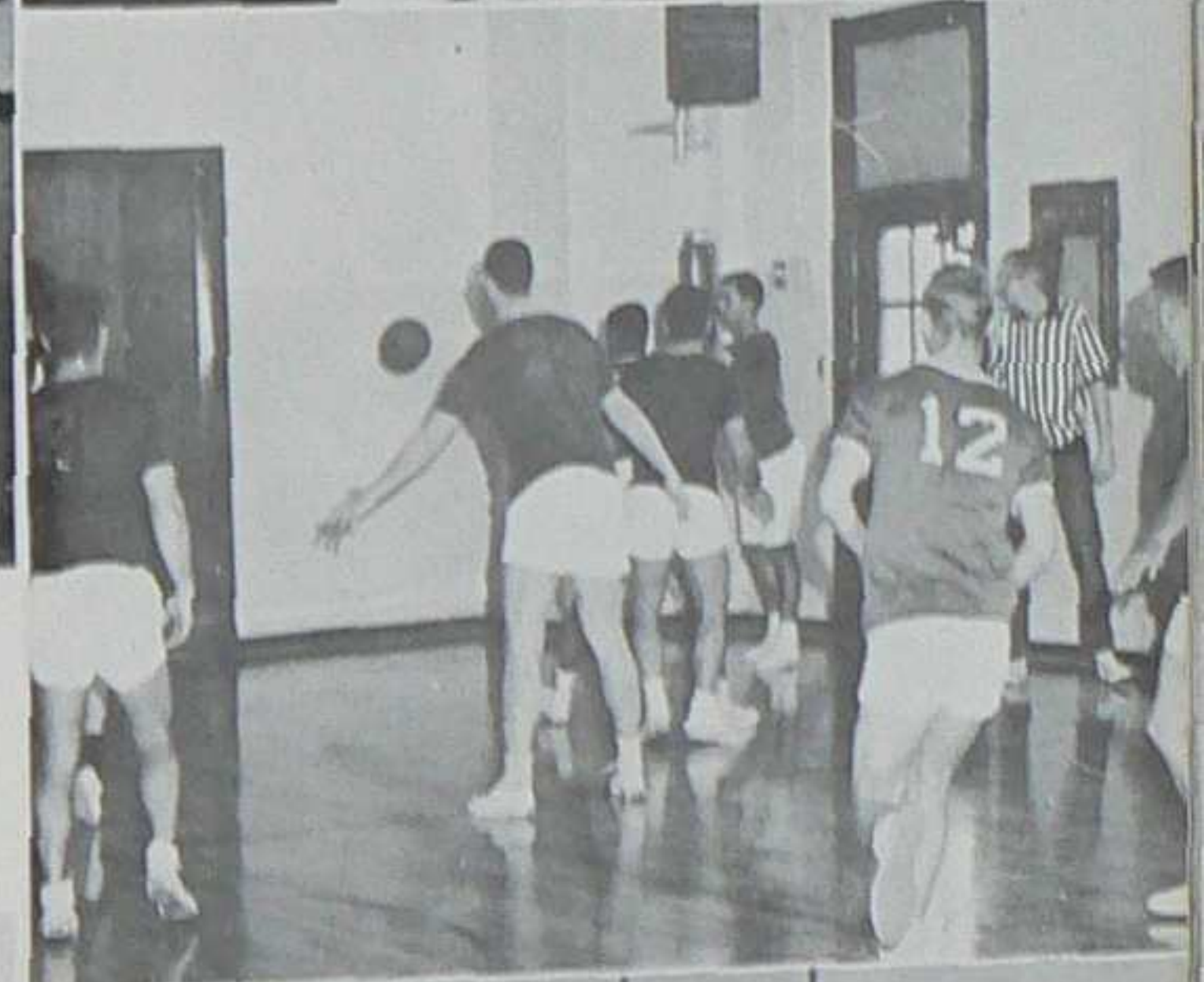
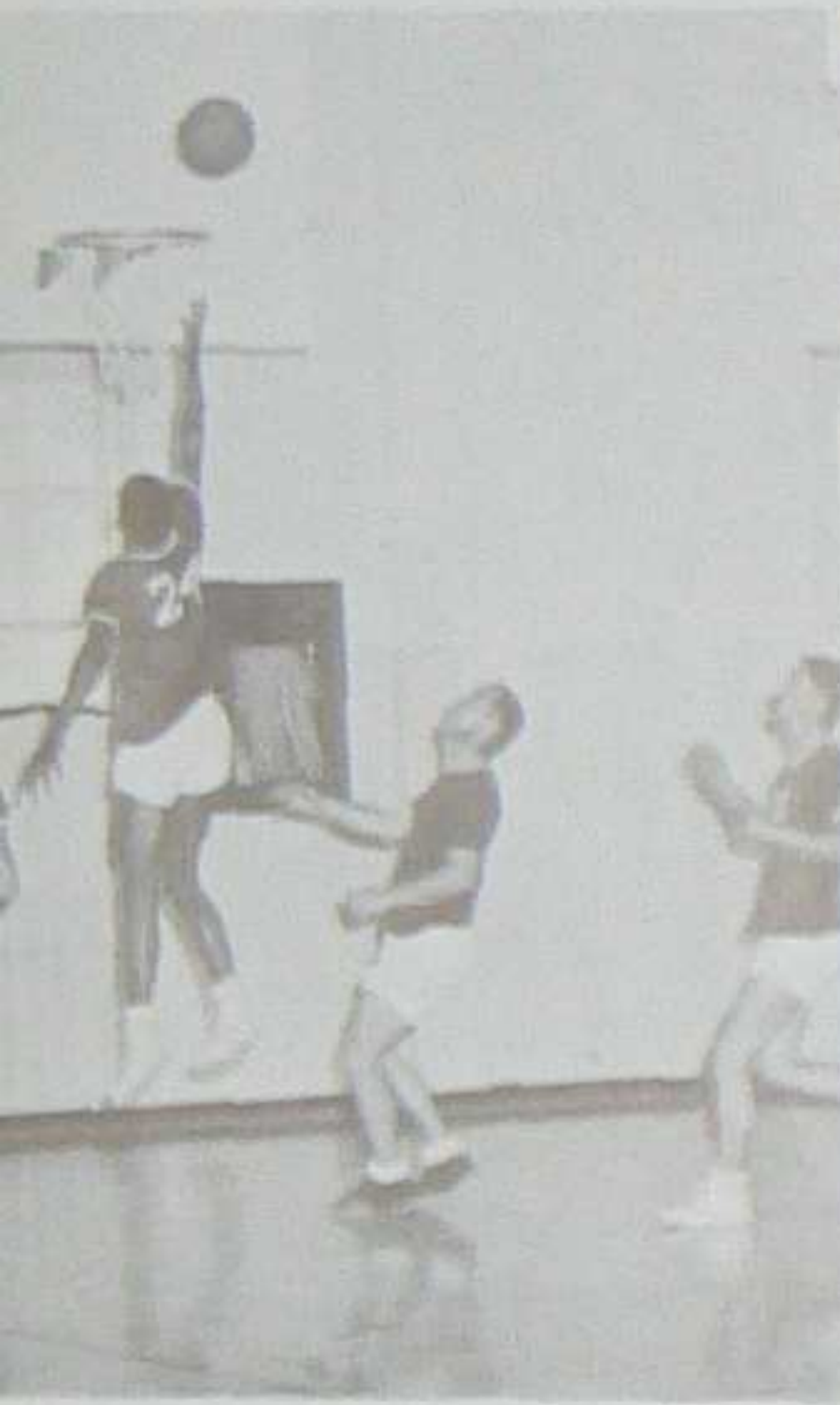
Strain!!!



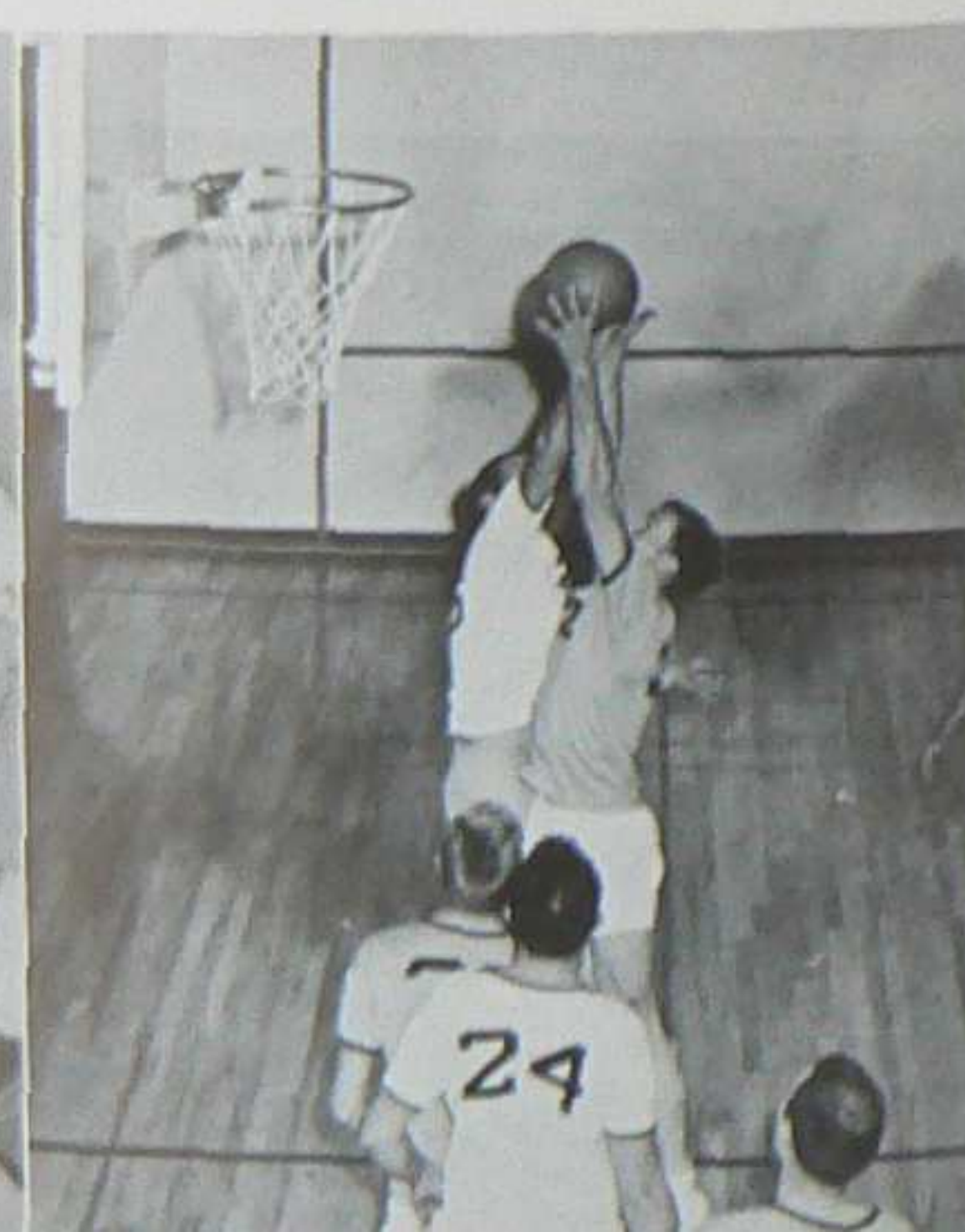


Aspects of The Game

Still Life



Near the End



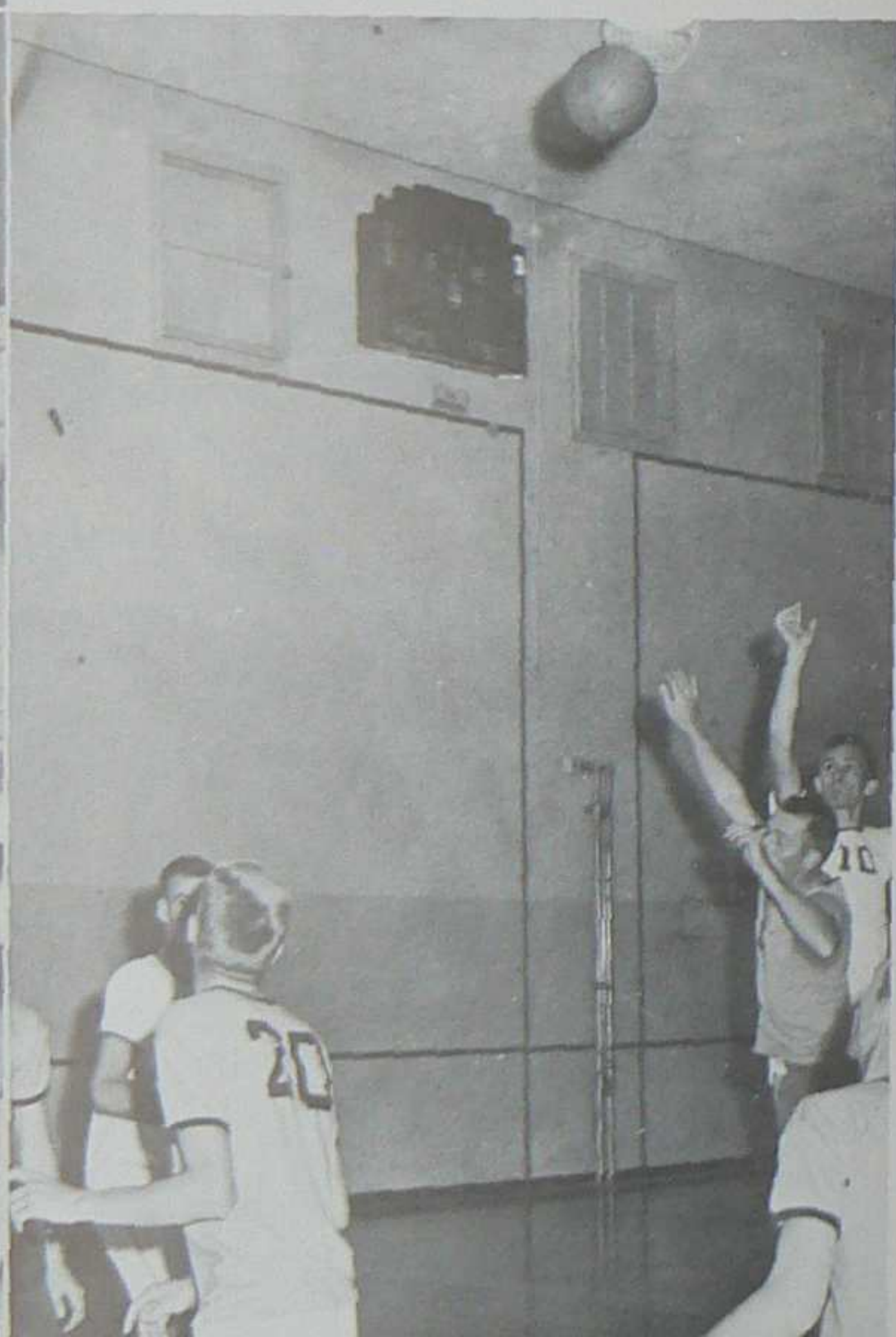


Watch out, there!

Allah

Sleeping on the job

Bull's eye.



Fight to the finish.



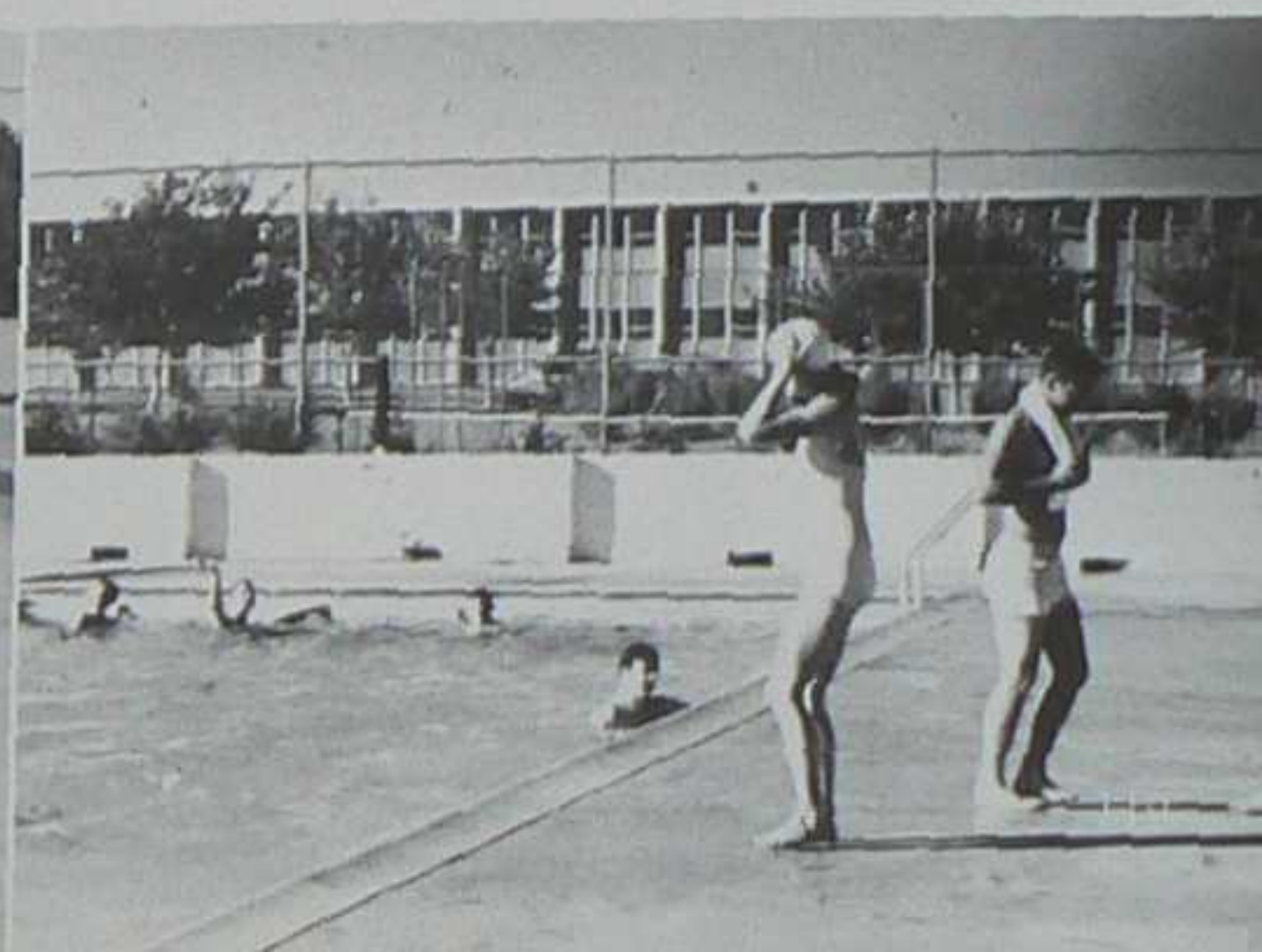
Poise.

Sucking air . . .



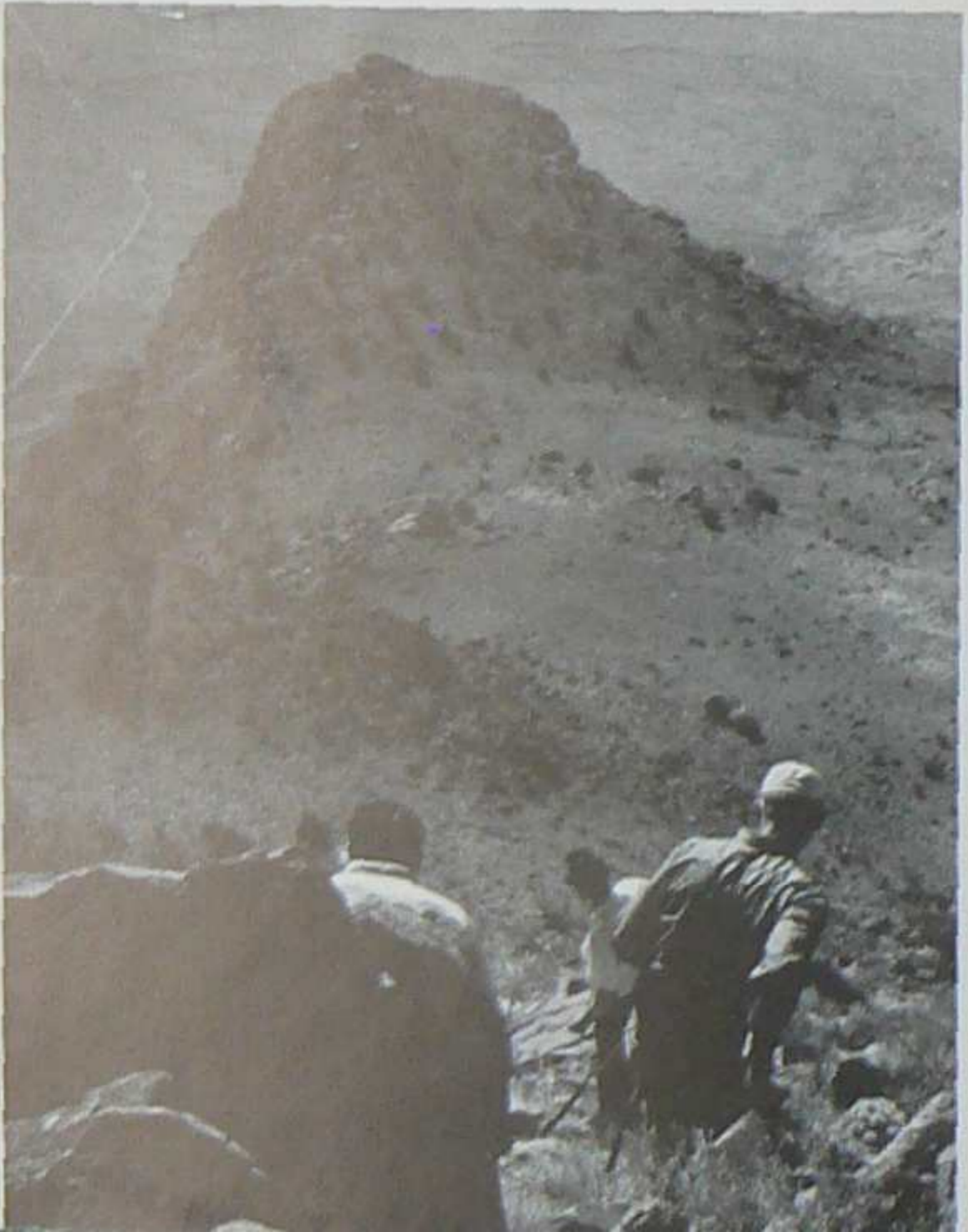
Eagles in pre-flight.

Girls at the ol' swimmin' hole.

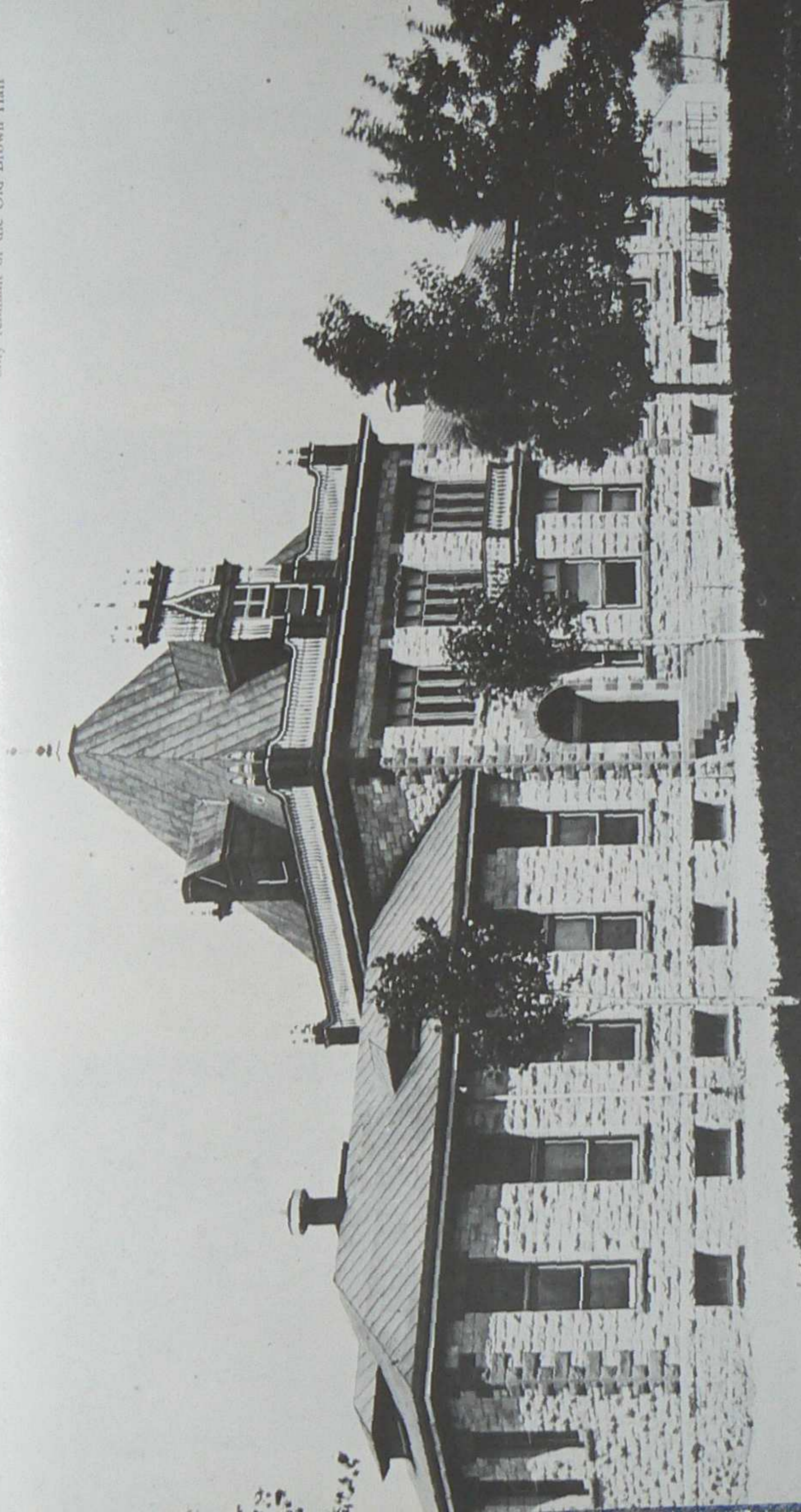




CONRAD HILTON TOURNAMENT



OLD BROWN HALL  
Before fire ravaged the annex is the  
only remnant of the Old Brown Hall



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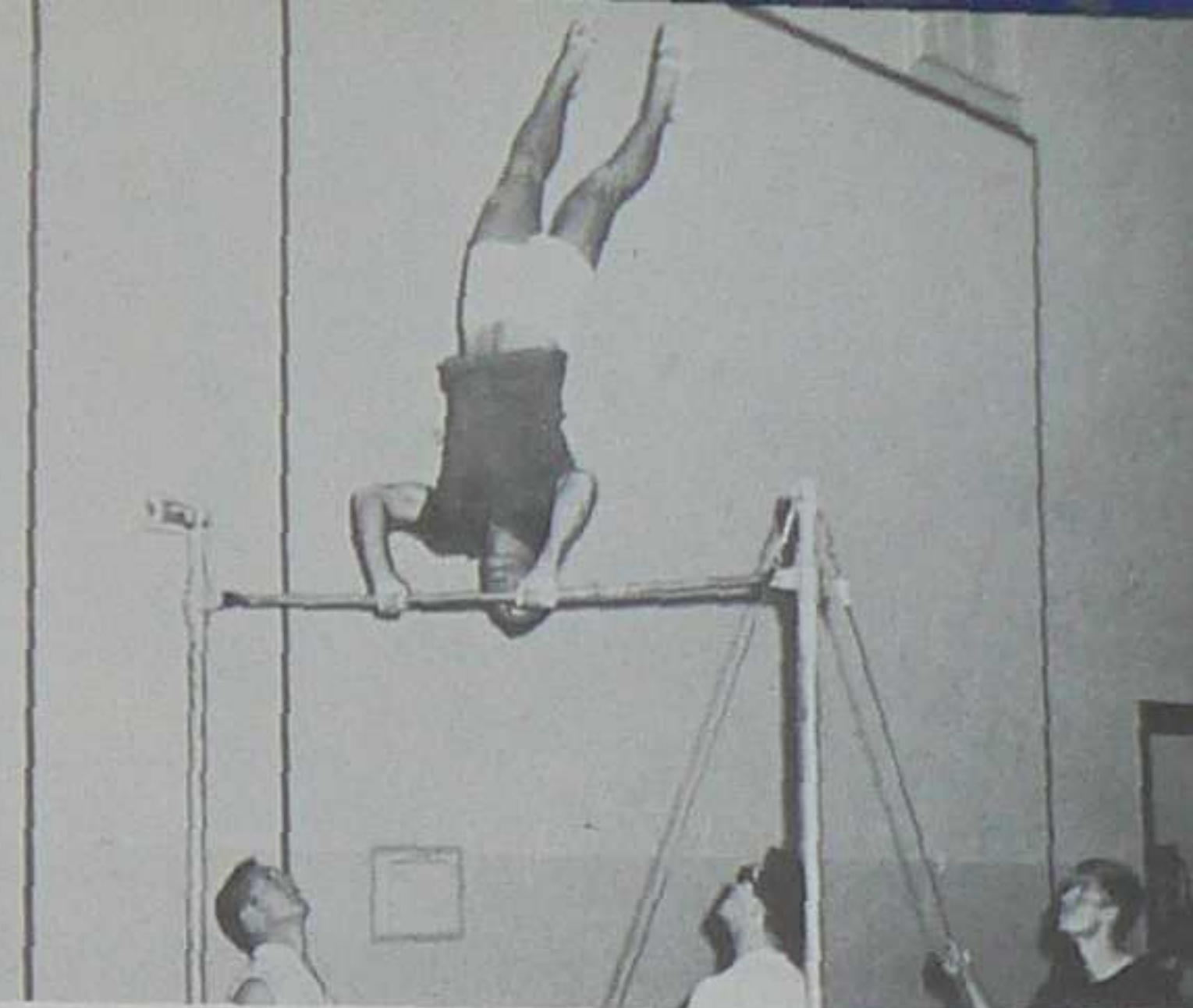
Quick! ! ! hide the money.



Loafers.



Co-ops



Fancy Jim

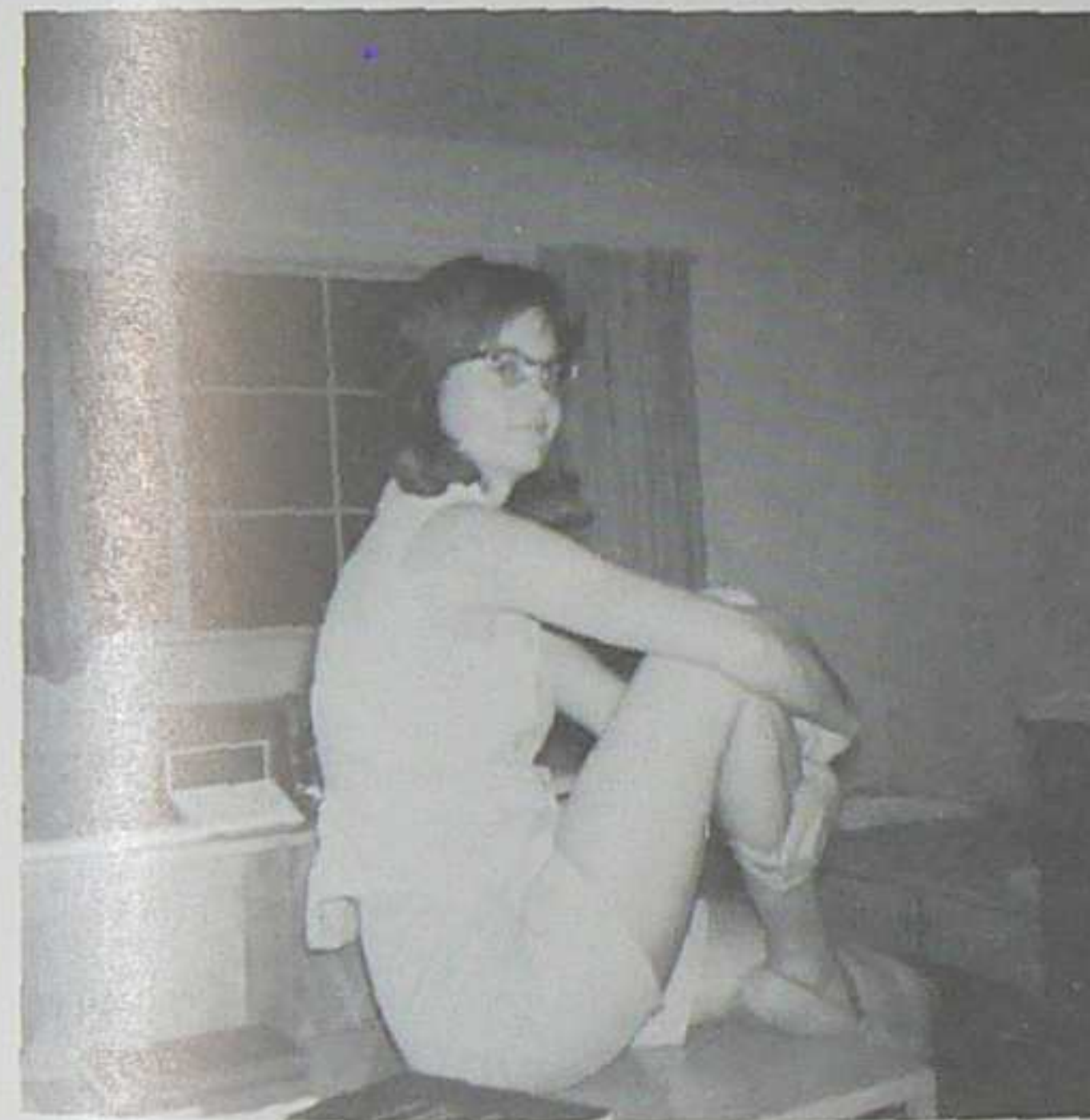


Card Sharks

Time for a bath.



NMIMT  
Engineers



The friendly one.



Swingin' Steff Style.



Fella's studying?



I'm a big girl now.



Who me?





*There is nothing like a dame.*



*My, how peculiar.*



*This is science.*



*The results of girl thinking.*



*Watchin' all the boys go by*



*Zowie!!*



*Watch me fly.*



*More popularly educated transportation.*

*Dear, dear, what can the matter be?*



*I'd walk a mile . . . for a carton of milk.*



*Dance, ballerina, dance.*



*Dance, dance, dance . . .*





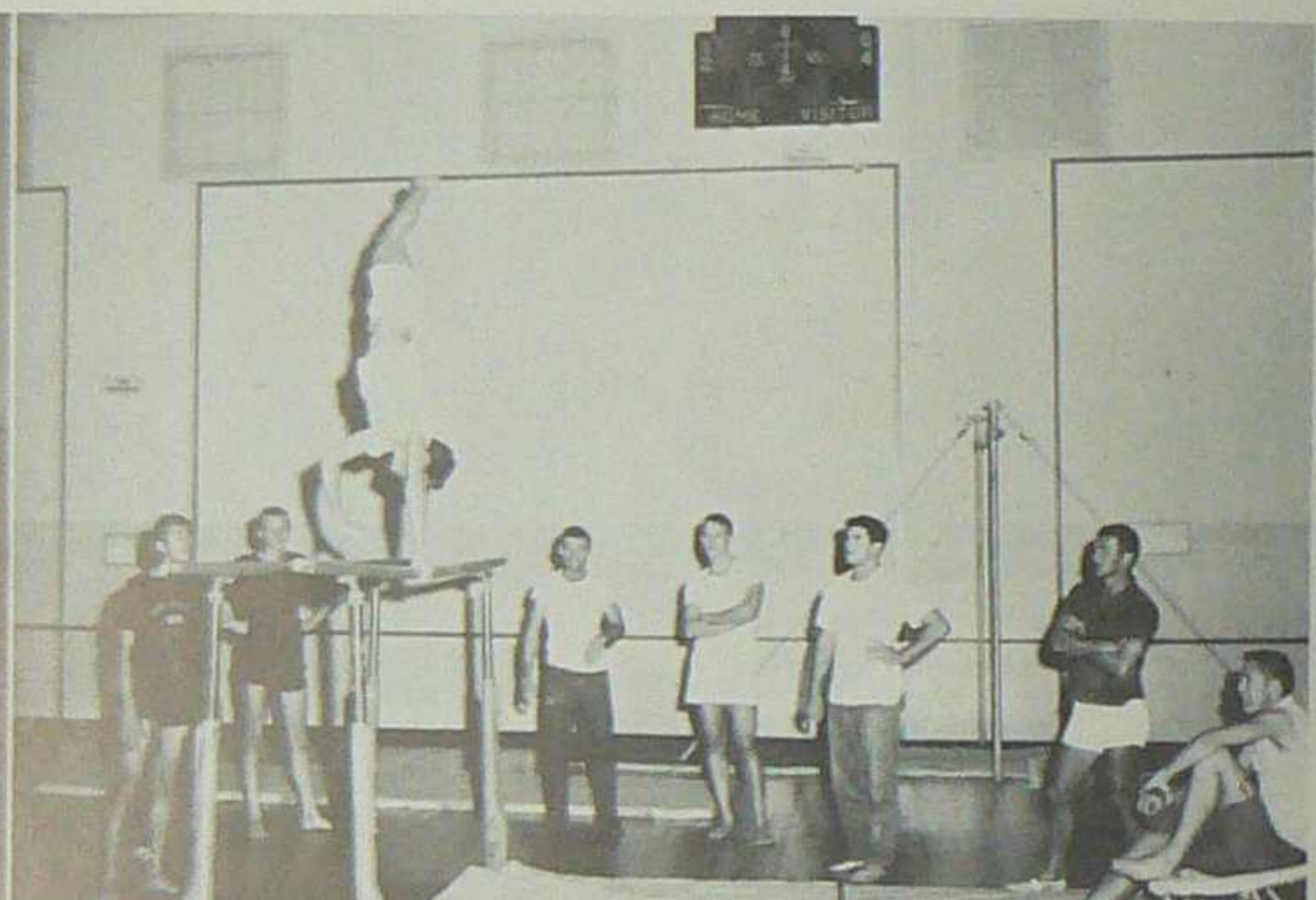
Class time.



Wild party!



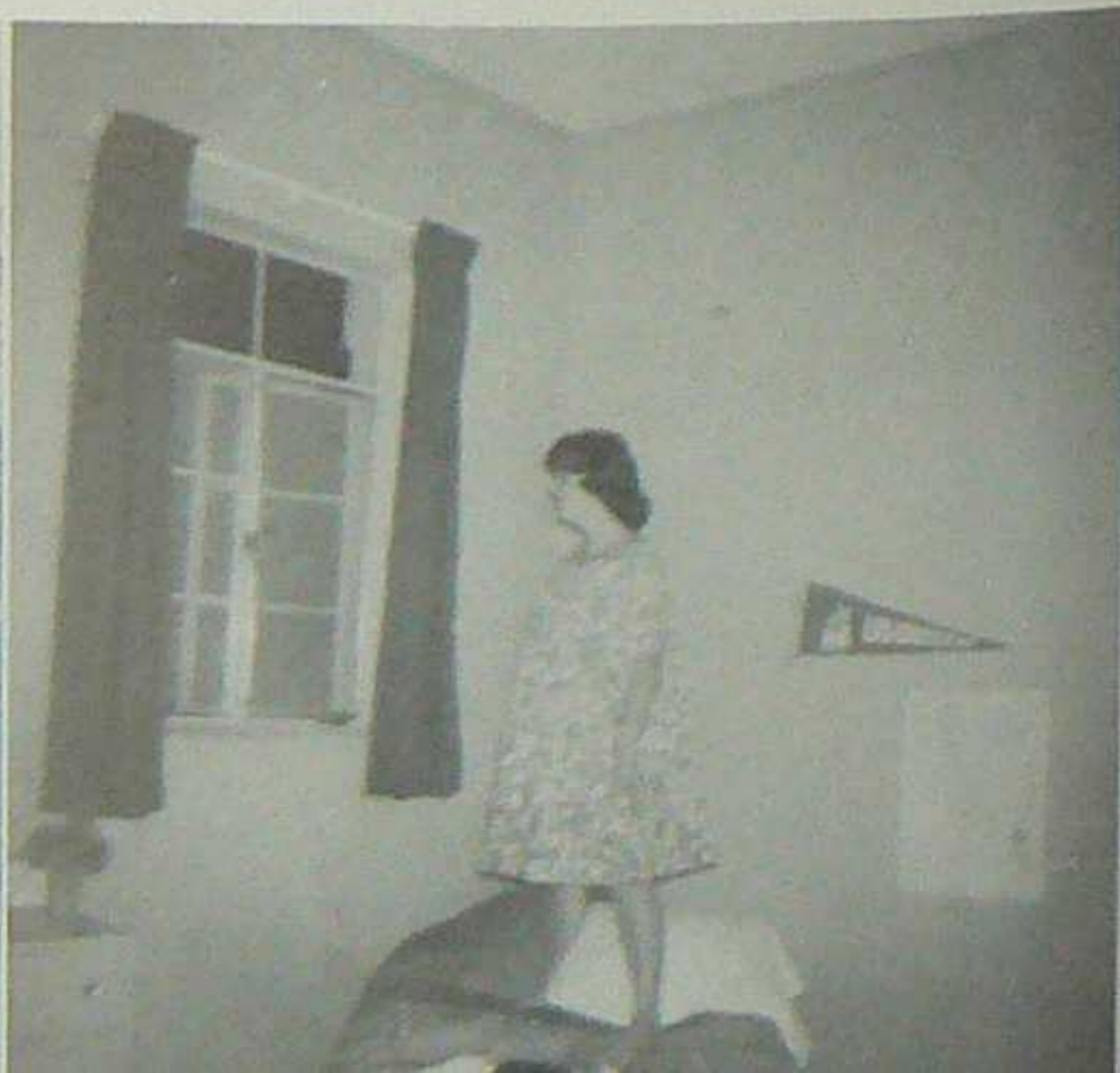
Dentifical pair.



Show off

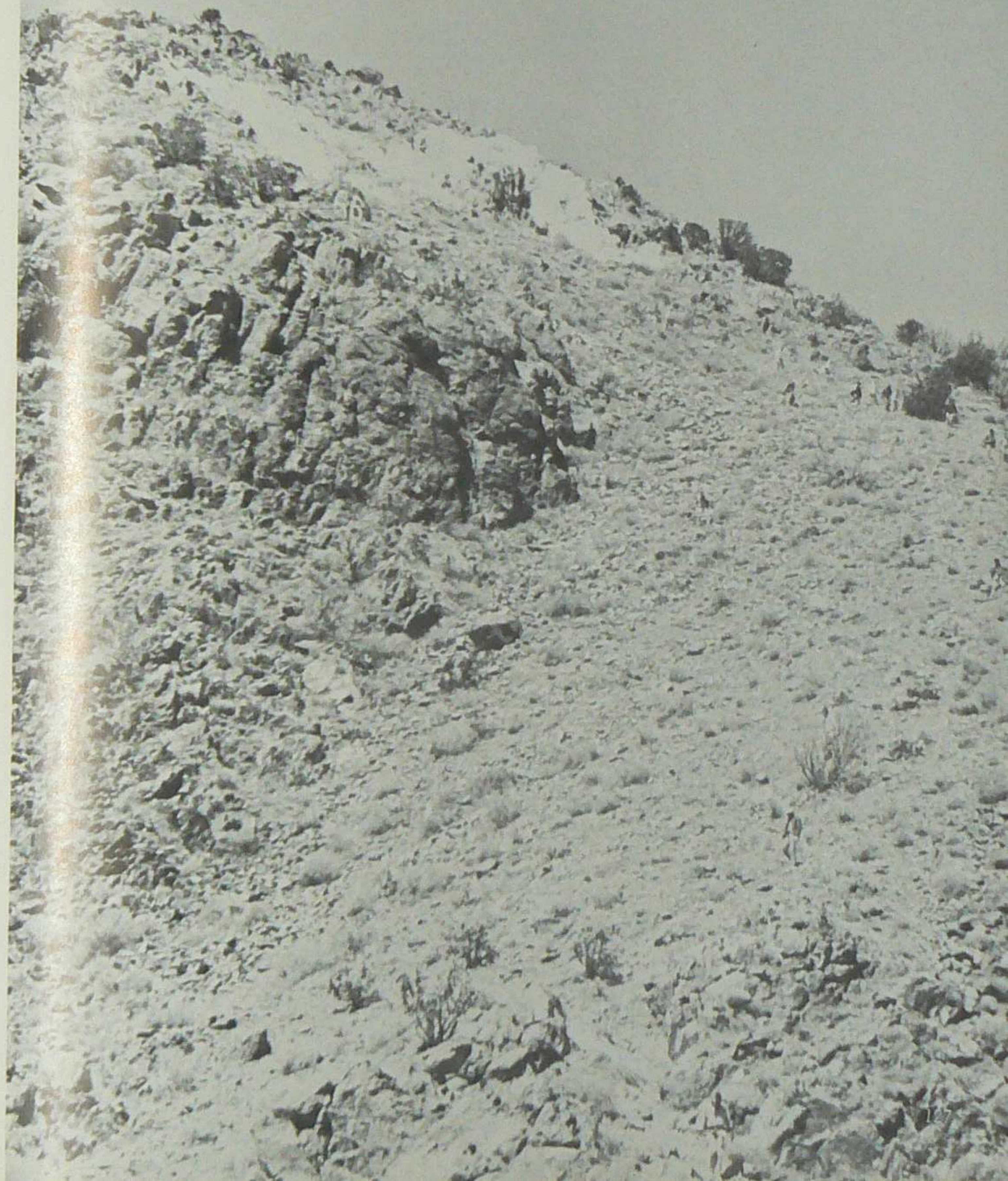


The immortal game.



Modern college coed night fashions.

St.  
Pat's





Freshman practice for the mucking contest!

With a backward purpose, they dig.

More people (?) in the picture.



New Kelly entrance.



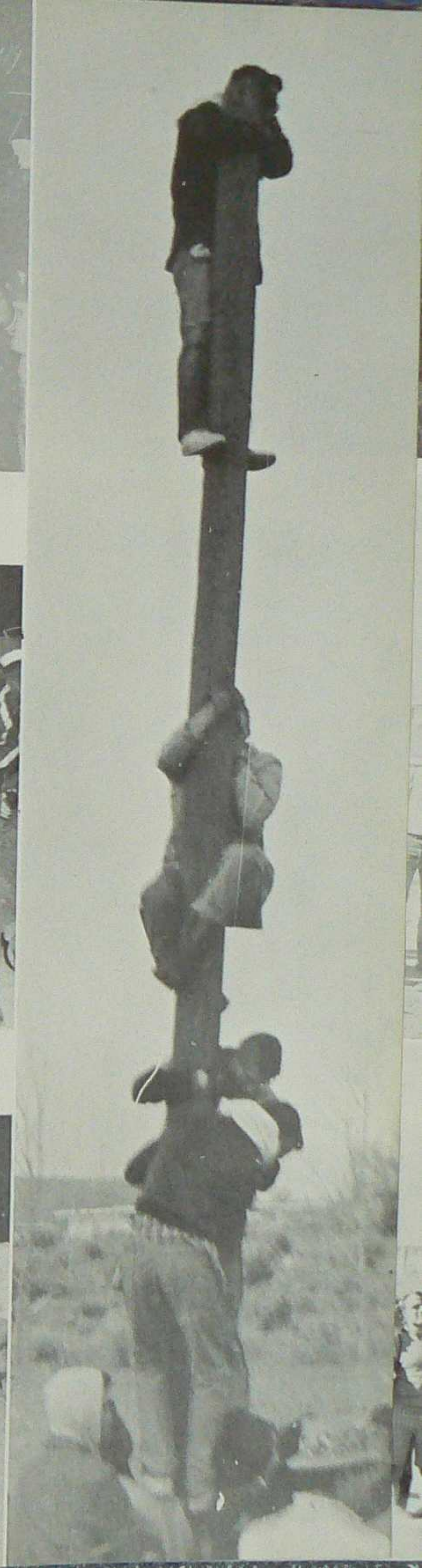
Beer! Beer!

Rocket perspective



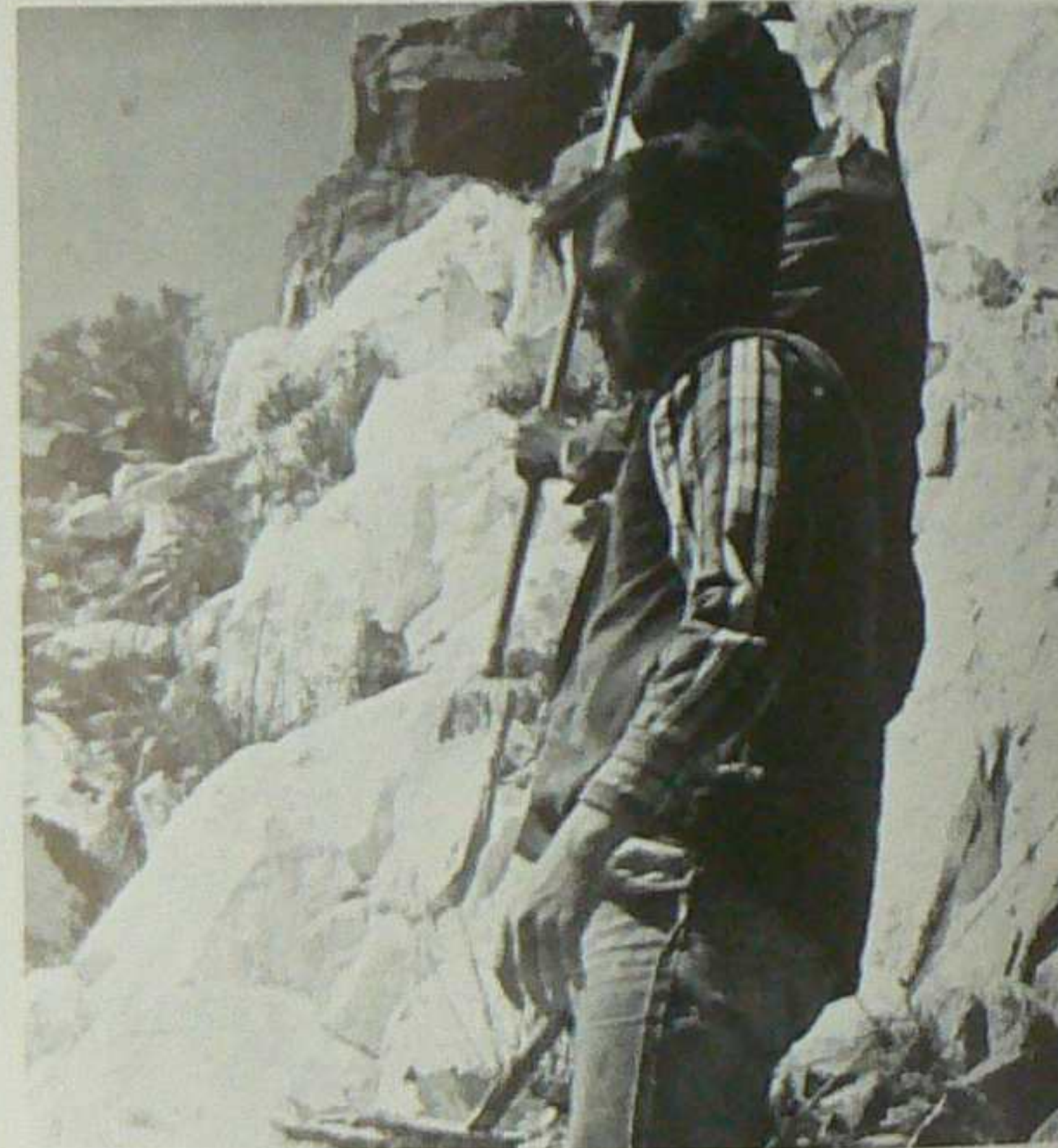
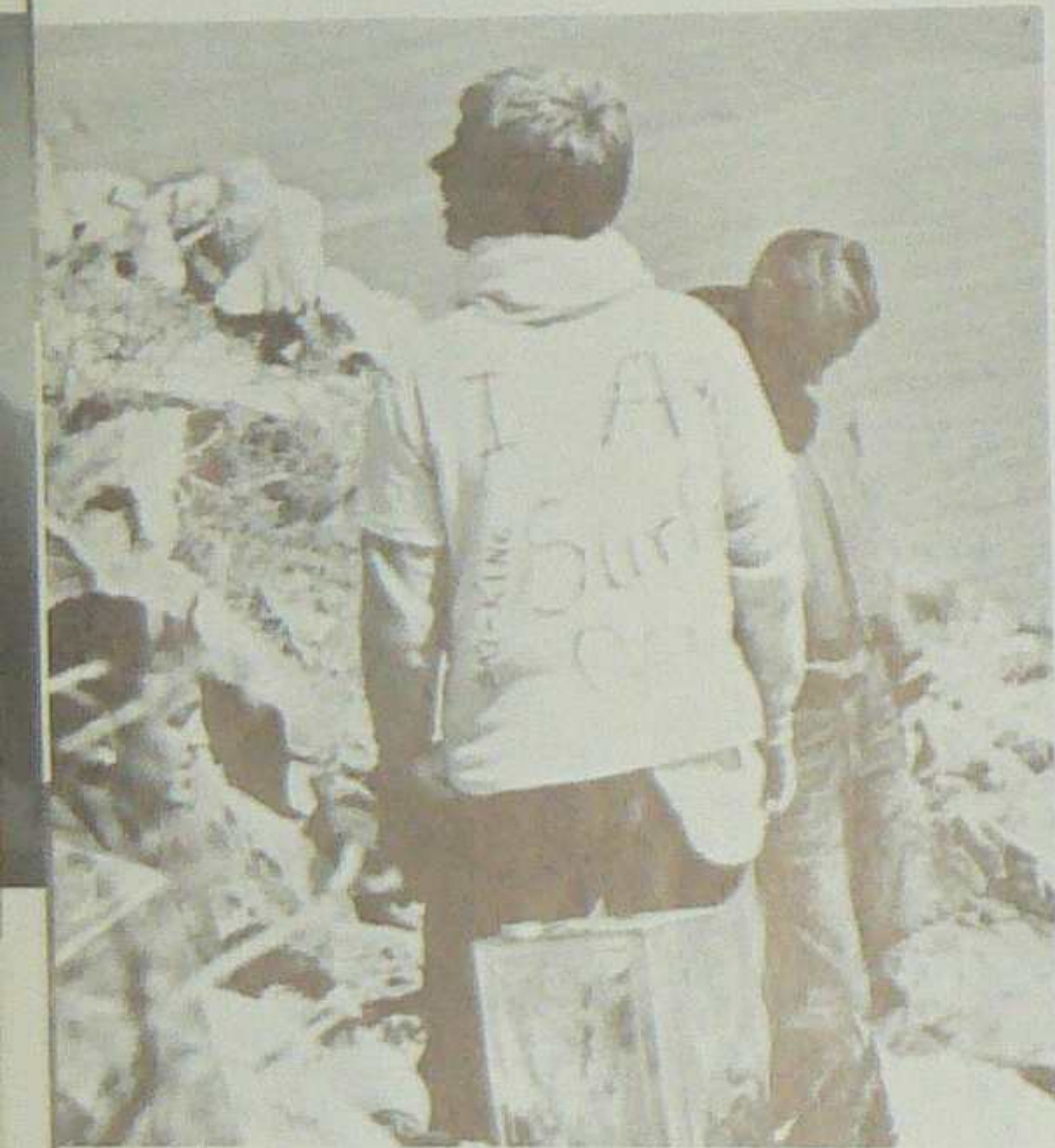
Reprieve Between Gusts.

Trifle heavy, huh?





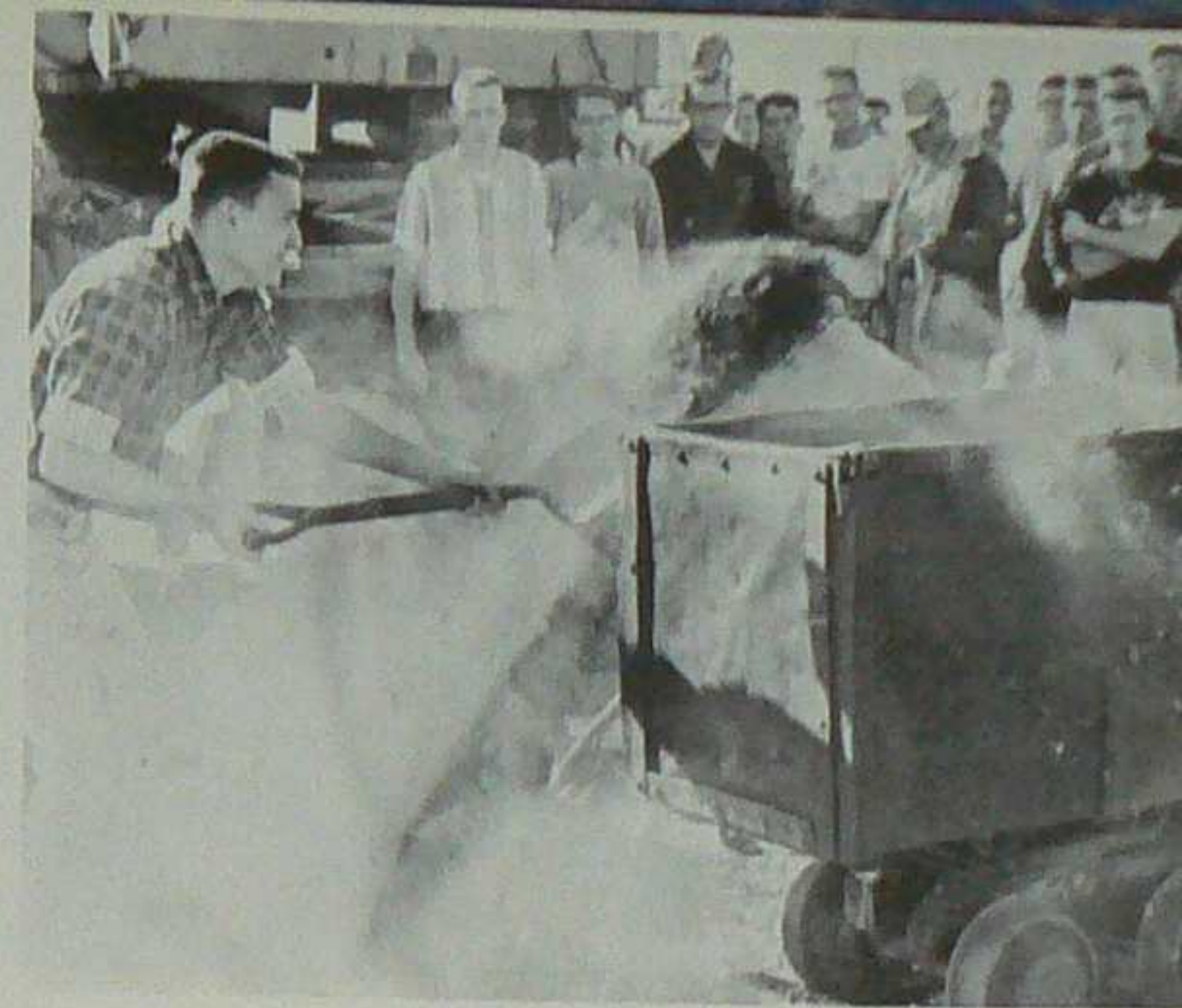
HAVING FUN FELLOWS?



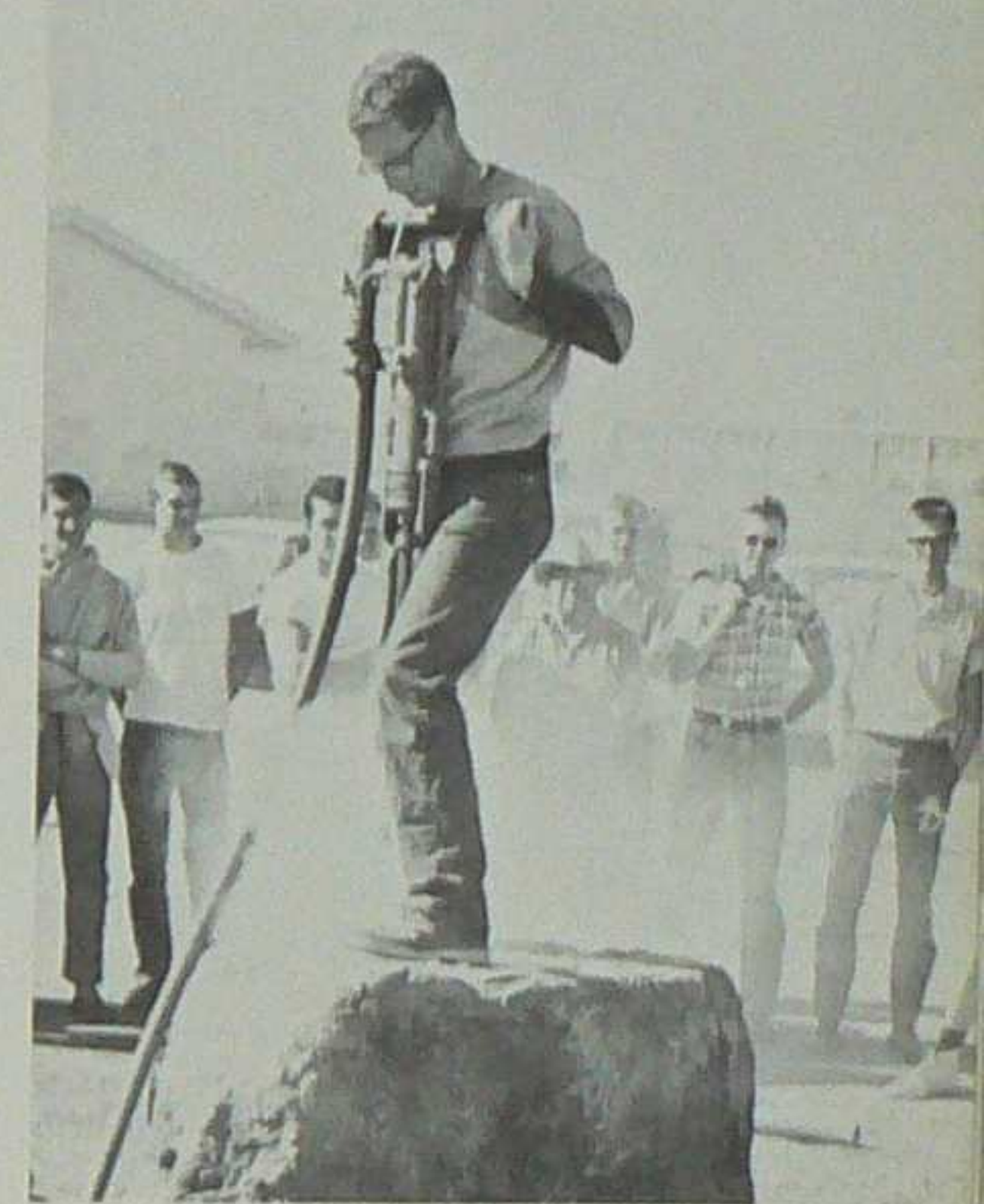
OR MAYBE JUST LOAFING?



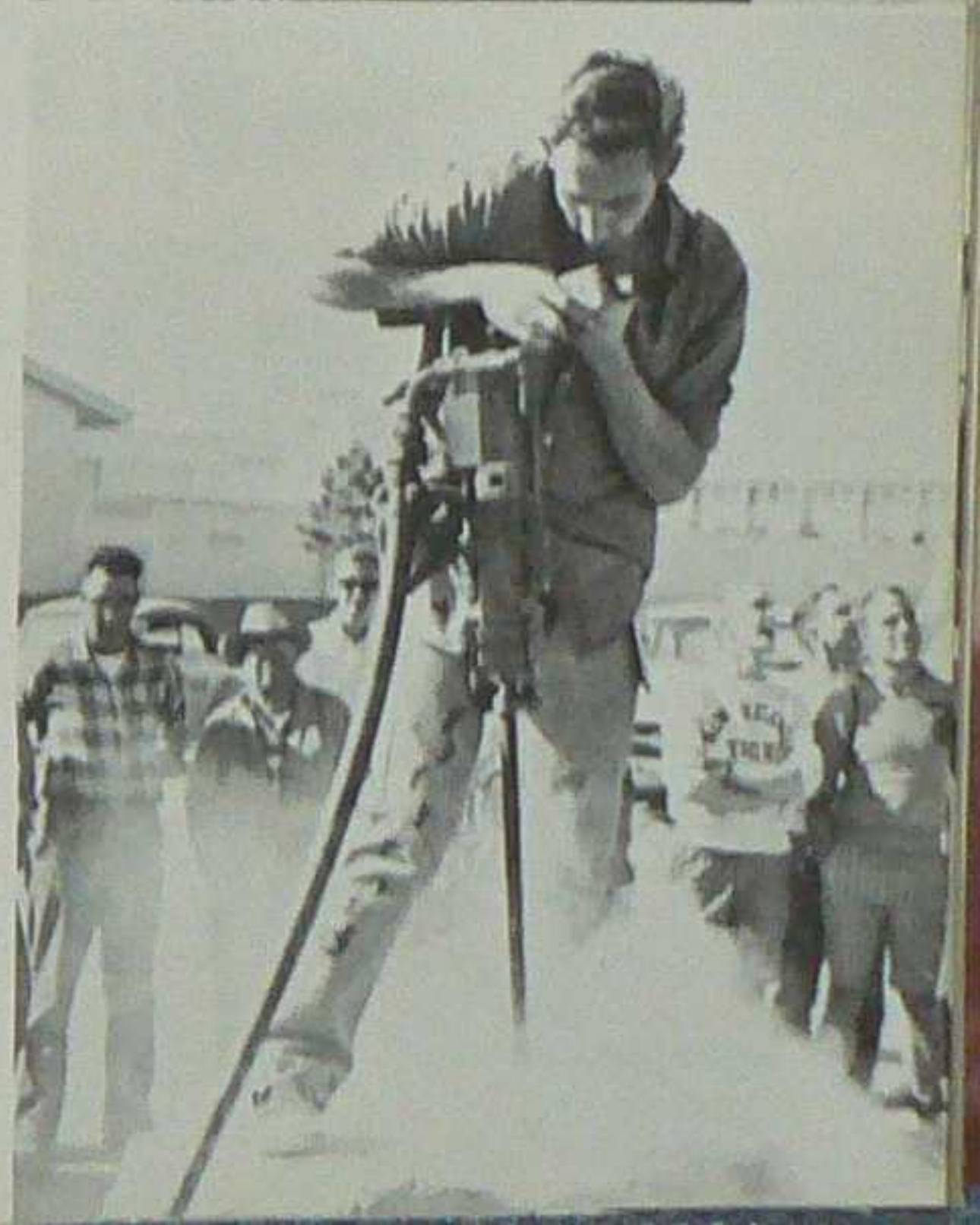
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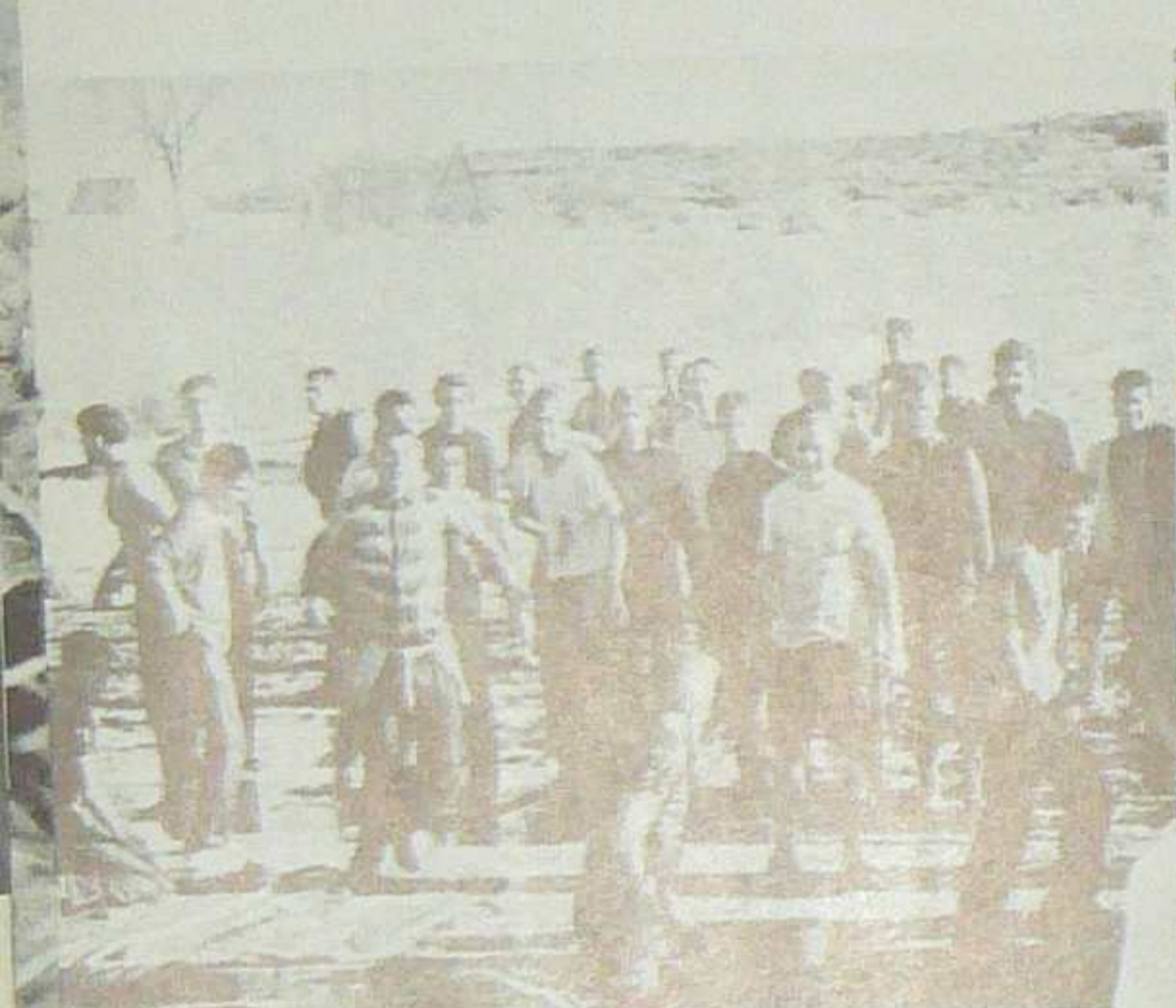


TUG-OF-WAR



GRAND FINALE-

A DANCE



SOPHOMORES VICTORIOUS





ENJOYED

END OF ACTIVITIES WITH ACCEPTANCE

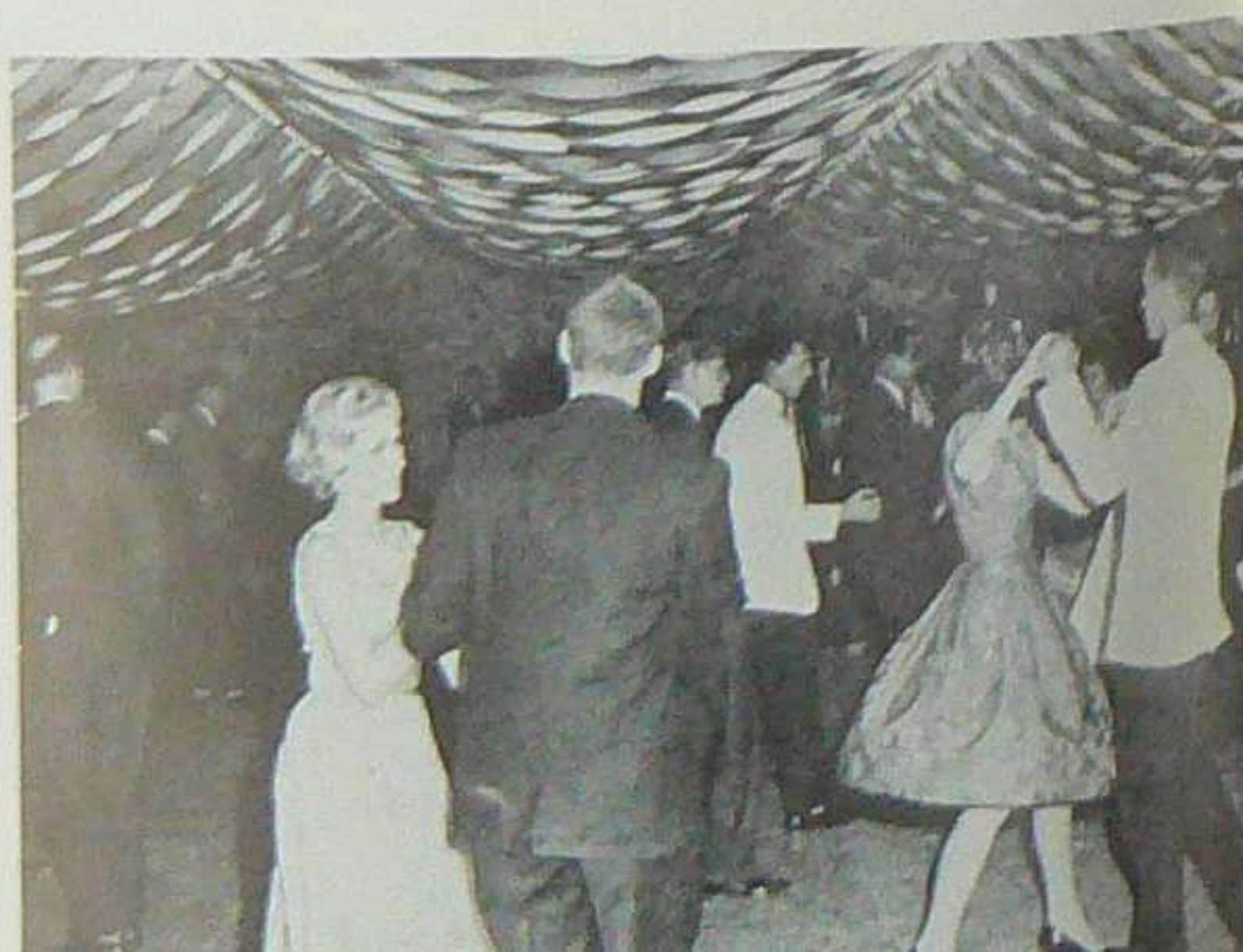


BY



ALL

INTO THE ORDER OF ST. PAT.



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sincerely hopes you have enjoyed the 1963  
PORPHYRY.

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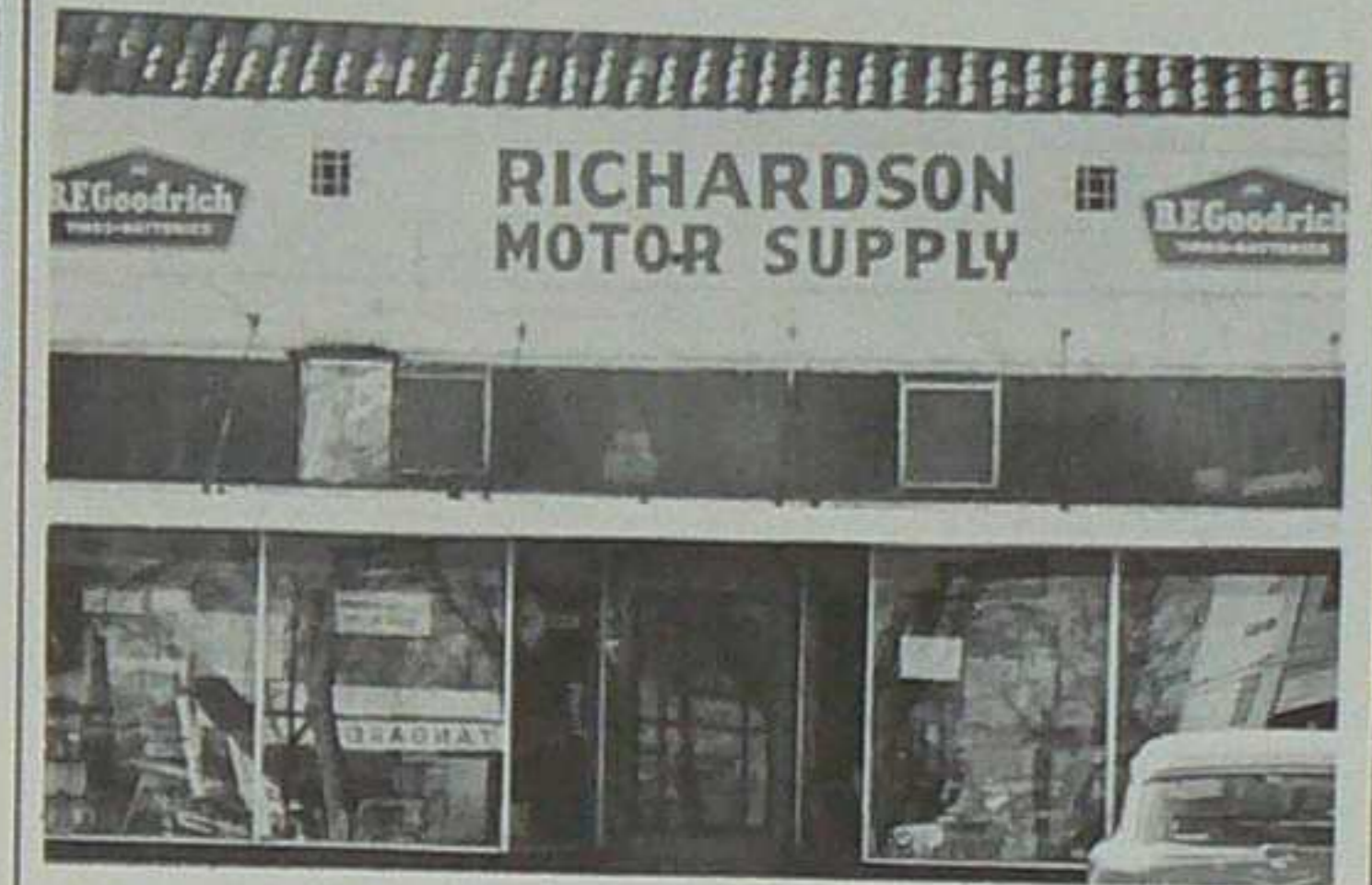
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THE COLLEGE



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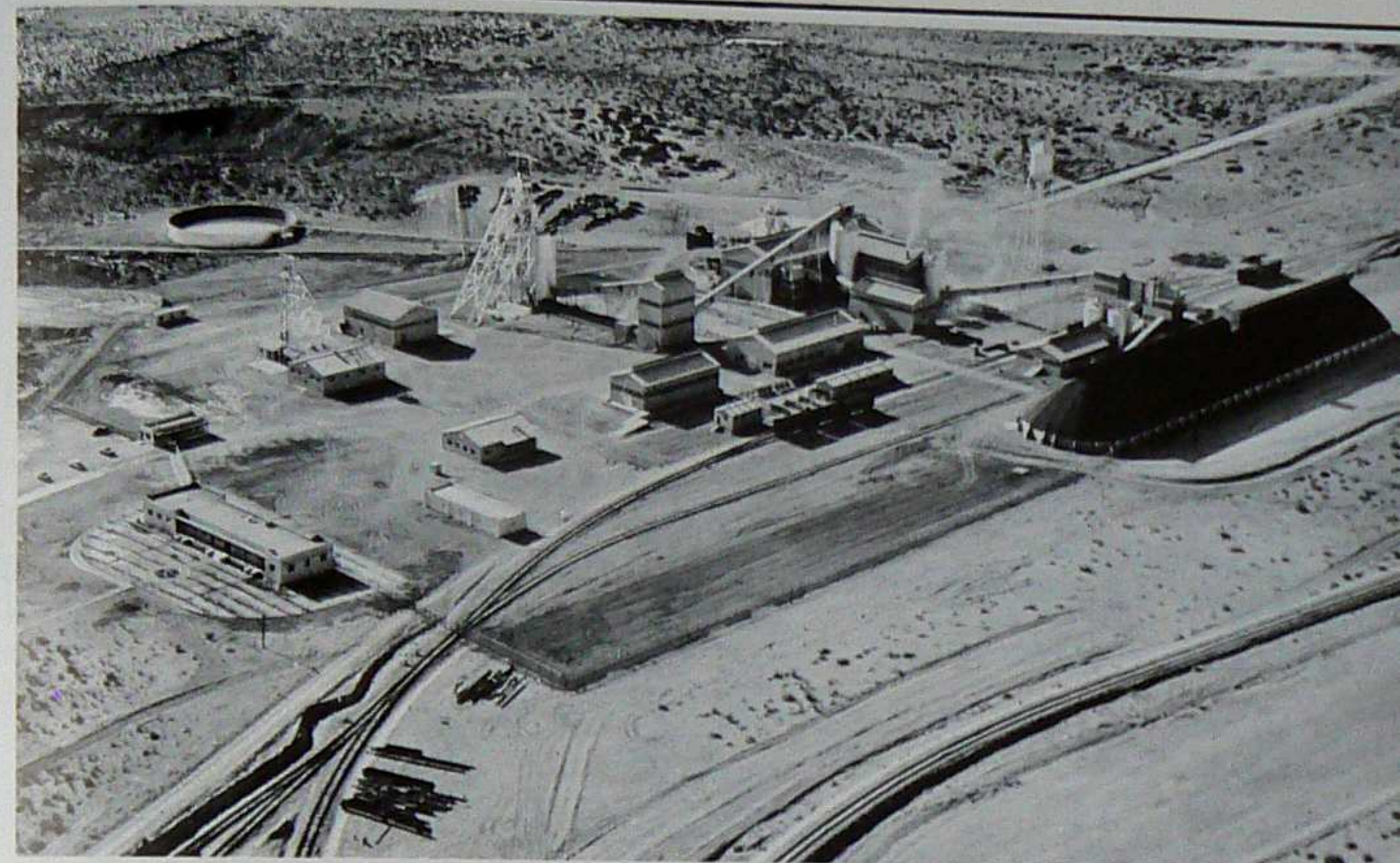


with our best wishes

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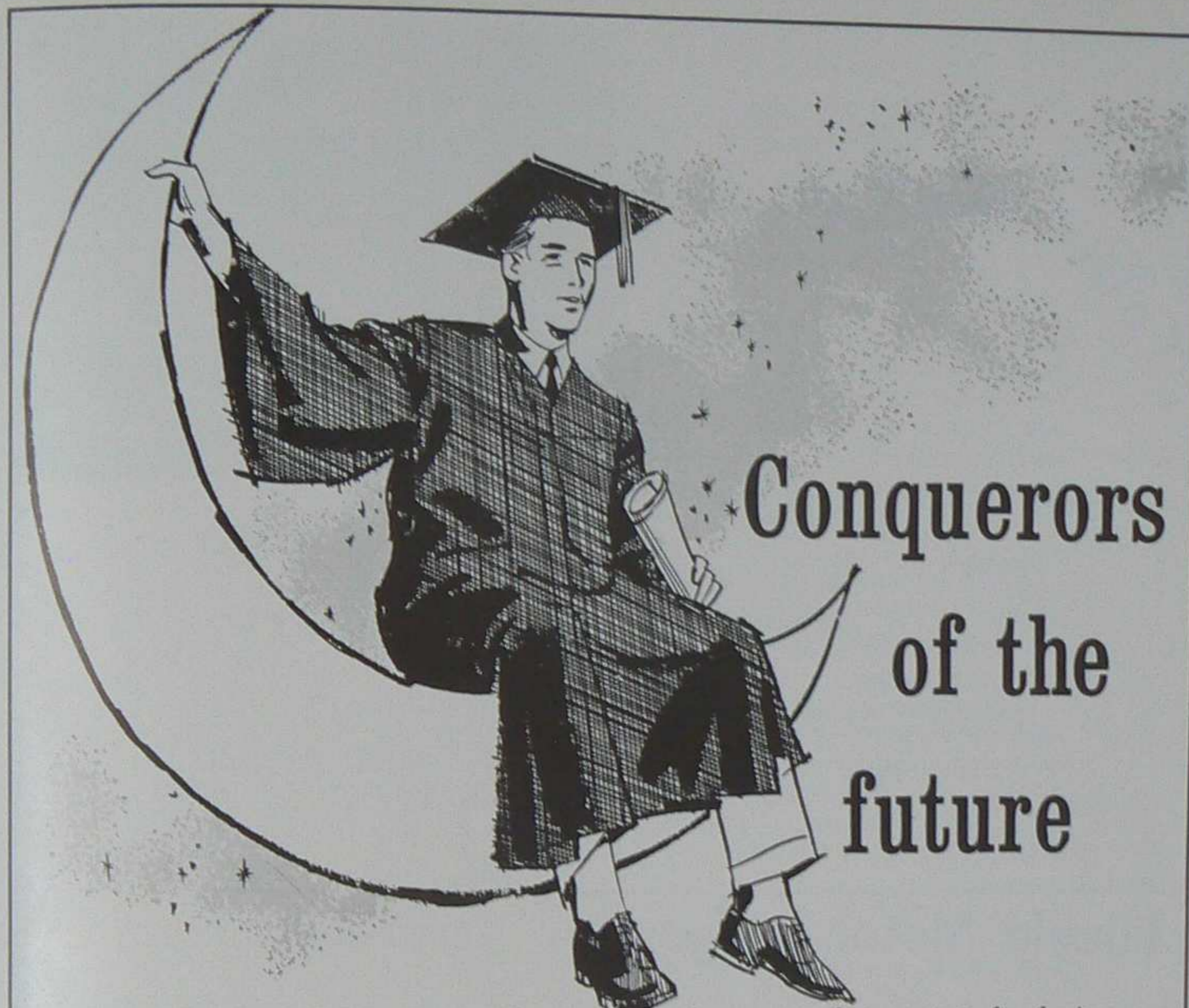
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Kennecott feels its own past will be paralleled by the careers of these graduates. Copper production in New Mexico is a sound, productive business because for years critical problems were solved as they occurred. The future of copper is being protected today by attacking the anticipated problems of tomorrow.

In wishing New Mexico's graduates success, Kennecott is confident they will follow the American tradition of creating a better future by refusing to be satisfied with anything but the best.

**Kennecott**  
**Copper Corporation**

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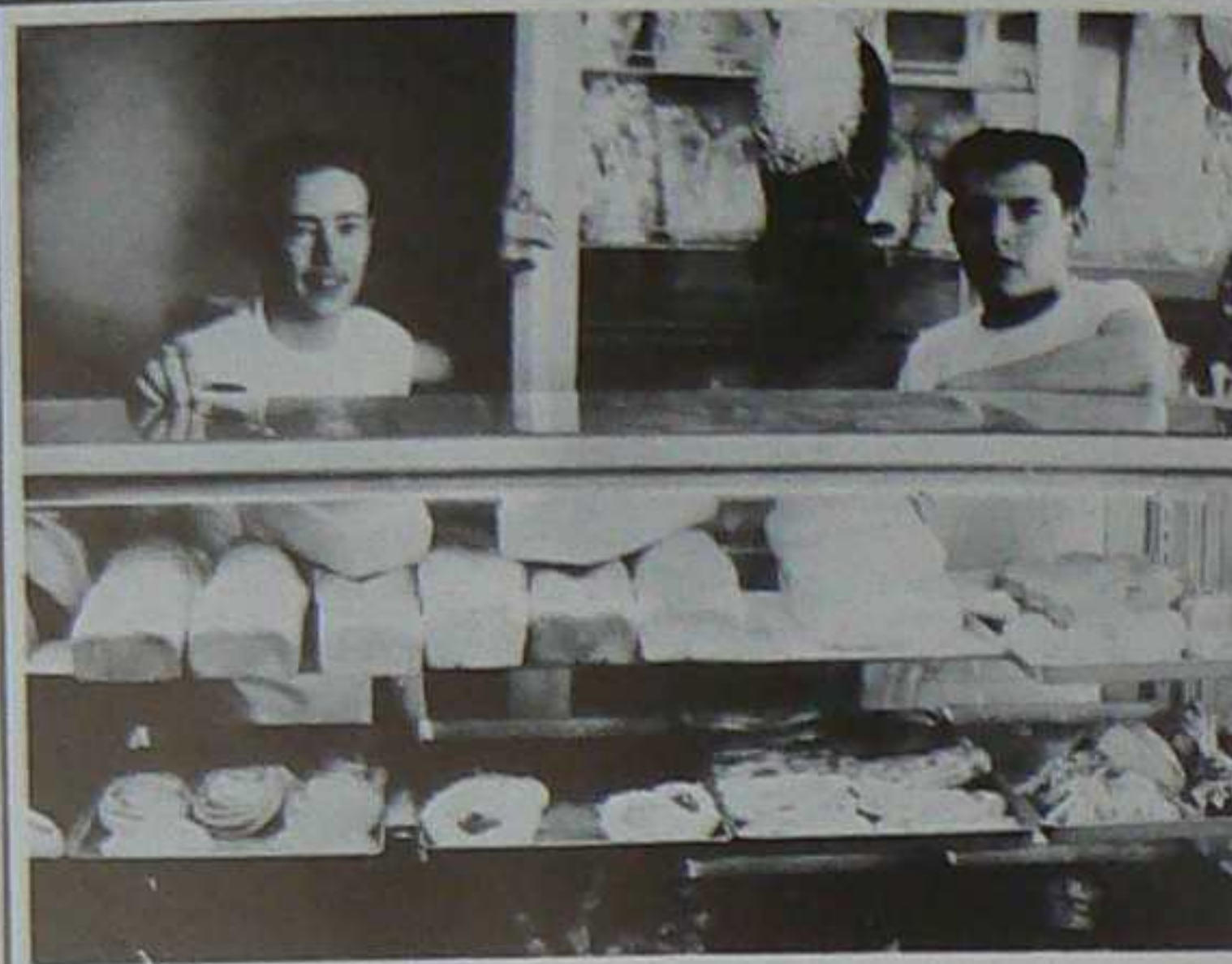


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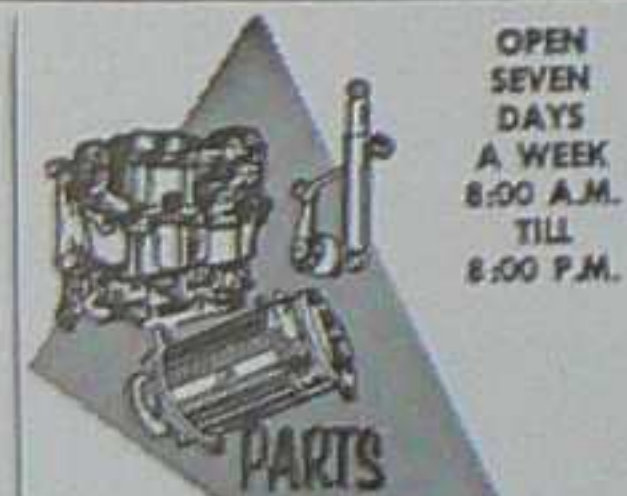
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... has expanded its curricula and now has a Department of Biology. This department gives the college a much broader base and increases its scope of activities. Students at New Mexico Tech now may pursue pre-professional programs—including pre-dental, pre-medical technology, pre-nursing, and pre-veterinary medicine. A pre-law program also is available. It is highly recommended that pre-professional students complete the requirements for the Bachelor of Science before entering a professional school.

- The institute also has embarked on an expanded five-year educational program in the fields of metallurgical, mining, and petroleum engineering. NMIMT students also may obtain Bachelor of Science degrees in chemistry, geology, geophysics, mathematics, physics, basic sciences, and mineral sciences.

- A Master of Science degree in mathematics has been introduced, bringing to seven the number of fields in which the Institute offers the Master of Science degree. The others are chemistry, geology, physics, geophysics, extractive metallurgy, and ground-water hydrology. The Ph. D. degree in geophysics also is available to students of unusual ability for high achievement and original contributions to knowledge in this field.

- A high school science and mathematics teacher training program has been launched. Under the program, students may fulfill the minimum requirements in education courses for certification as teachers of science and mathematics on the secondary level.

- A two-year liberal arts program is offered for students who desire to complete two years of basic study at this Institute before transferring to another college to pursue a liberal arts education.

- Evening classes are held, primarily for adults in the area.

- Cultural and recreational opportunities are made available, including College Program Series, talks and entertainments, seminars, colloquiums, clubs, dramatics, socials, movies, intramural sports, swimming, and golf.

## New Mexico Institute of Mining and Technology

Socorro, New Mexico

