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The Porphyry

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New Mexico School of Mines

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Foreword

In this, the first annual of our school, we have tried to give you a memorial of your college days that you will treasure together with the love of your Alma Mater. If it brings back to you scenes of merry days, fills your hearts with the sunshine of New Mexico and the quiet peace of her deserts, we will feel that this book has accomplished its purpose.

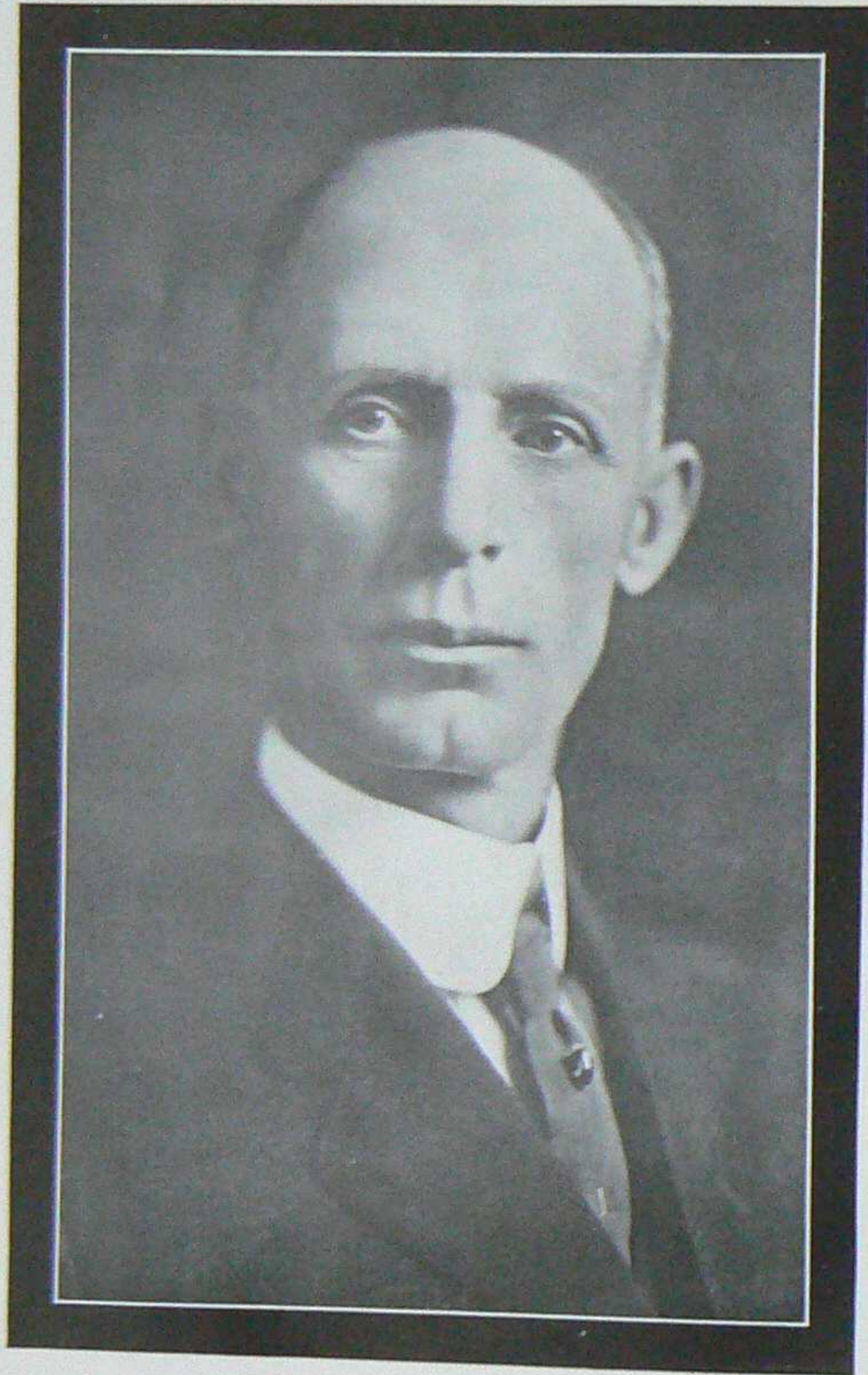
—THE STAFF.



LILLIAN HERKENHOFF

Dedication

*To Lillian Herkenhoff this
book is affectionately ded-
icated. Loyal and true
and helpful, she has
been our mother
away from
home.*



CONY T. BROWN

The Friend Who Has Departed.

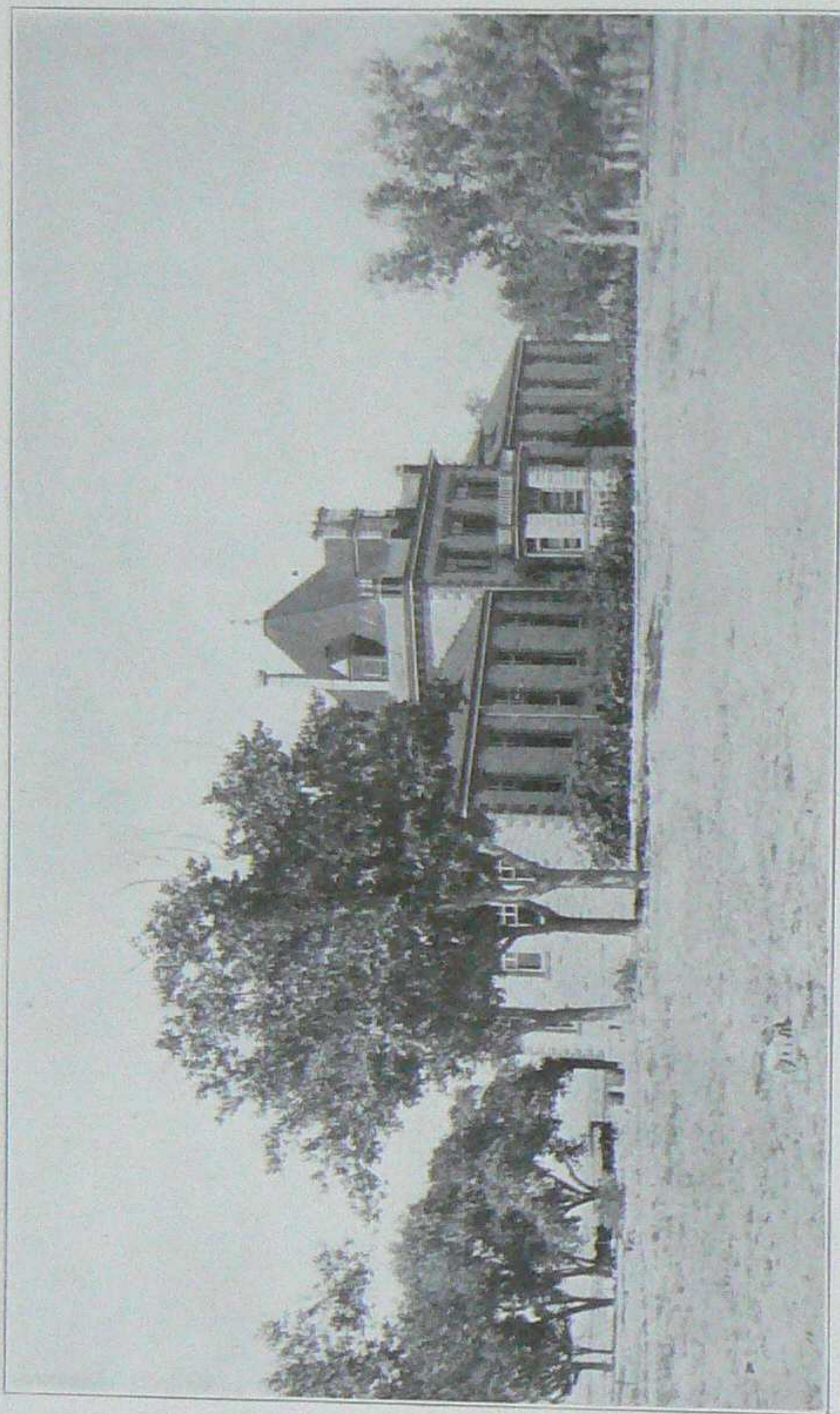
On January 16, 1925, the scythe of the Grim Reaper laid low Captain Cony T. Brown, the School of Mines' greatest benefactor, Socorro's staunchest supporter, and one of New Mexico's foremost citizens. Death was due to heart failure following an illness of about a week.

Mr. Brown was born in 1856 at Corrina, Maine. His ancestors for generations were typical New Englanders, and his mother was of Mayflower stock. He was educated at the North Anson Academy in his native state. In 1880 the call of the Southwest brought him to New Mexico, and the next year he took up his residence in Socorro. In 1890 he married Miss Anna Kornitzer. Two sons, Cony Cephas and Thomas Coburn, were born to them. He was a member of all the Masonic orders, and for many years he was the oldest Scottish Rite mason of the thirty-third degree in New Mexico.

During the eighties and nineties Mr. Brown devoted most of his time to mining, prospecting, and stock raising. In 1903 he discovered the value of the great zinc carbonate deposits of the Magdalena district, and a few years later he mined and marketed many thousands of tons of this ore from a lease at the Kelly mine. In 1903 he accepted the position of southwestern representative of the Empire Zinc Company, a subsidiary company of the New Jersey Zinc Company, which position he retained until his death. He not only supervised much of the work of the company in New Mexico and Arizona, but he also made many examinations and reports on mining properties and prospects in the United States, Canada, Mexico, Central America, and South America. He devoted particular attention to the geology of zinc deposits. In this field he ranked as one of the best specialists in the country.

Although heavily burdened with his company duties and the demands of his personal mining interests, Mr. Brown succeeded in giving much time and energy as a business man to the upbuilding of Socorro and the surrounding country, and as an elected representative of the people to the advancement of the country and the state. He was the president of the Socorro State Bank, the Socorro Light and Power Company, and the Val Verde Hotel Company. He was the state's ablest champion of the cause of reclamation in the middle Rio Grande Valley. No worthy business or civic project failed to enlist his active support. He was for two terms a member of the board of commissioners of Socorro County. In 1922 he was elected state senator from the fourteenth district and served with credit in the sixth session of the legislature. In 1924 he was elected state senator from the thirteenth district on the Republican ticket by a large majority, in spite of the fact that the district is normally Democratic. His last illness overtook him on the eve of his departure for Santa Fe to attend the seventh session of the legislature.

(Continued on page 108)



MAIN BUILDING

HISTORY OF THE NEW MEXICO SCHOOL OF MINES

The New Mexico School of Mines was founded by the territorial legislature of 1889. The act creating it also established and provided for the maintenance of the University and the College of Agriculture and Mechanic Arts. The object of the school as specified in the act establishing it was to give instruction in chemistry, metallurgy, mineralogy, geology, mining, milling, engineering, mathematics, drawing, and such additional courses as in the judgment of the board of regents were desirable in the curricula offered.

Socorro was decided on by the territorial law makers as the location for the School of Mines. It was stipulated that a tract for the campus of not less than twenty acres be donated to the Territory, which provision was complied with by public spirited citizens. The conditions then existing thoroughly justified placing the school at Socorro. The silver mines at Socorro Mountain two miles away were being worked. In the near-by Magdalena district at the north end of the Magdalena Mountains, large quantities of ore containing lead, silver, copper, and zinc were being mined. At Socorro was situated the Billings Smelter, later operated by the St. Louis Smelting and Refining Company, which was treating the lead-silver ores from the Magdalena district and from various other districts in southern New Mexico and Arizona. When running at its full capacity of about 400 tons per day it gave employment to approximately 700 men.

At the time the School of Mines was created its support was provided for by a tax of one-fifth mill on all taxable property in the territory. The mill tax levy augmented by later moderate increases in rate, served as the main source of income for the school until New Mexico attained statehood in 1911. The first state legislature replaced the mill tax by a regular annual appropriation of \$22,500. The present appropriation, which is as large as the school has ever received, is \$24,000. In recent years the income from state lands has attained considerable importance. The first School of Mines land grant consisted of 50,000 acres donated by act of Congress in 1895, and at the time New Mexico became a state additional land amounting to 150,000 acres was given to the school.

Work on the present Main Building, the first to be constructed on the campus, was begun in 1891. It was completed the following year at a cost of approximately \$60,000. The walls were built of blocks of trachyte quarried at Socorro Mountain.

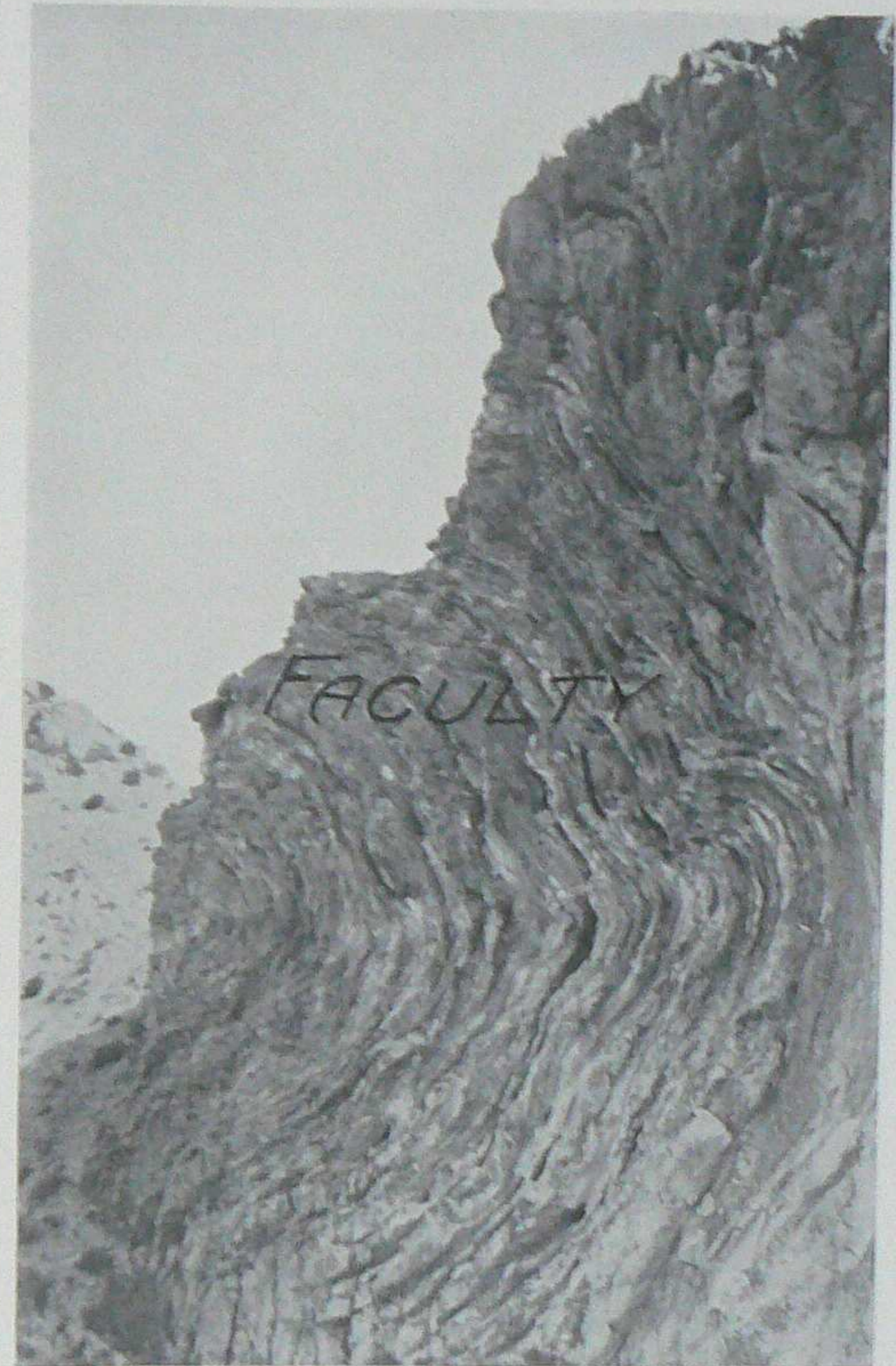
A number of special appropriations were made for the school by territorial assemblies. An appropriation of \$4,000 in 1891 provided for part of the laboratory equipment, and in 1893 the legislature provided \$31,420 to enable the school to complete the work of organization.

The New Mexico School of Mines began its educational work in a small way in 1893. Two men were employed on the faculty: Dr. Floyd Davis, president and professor of chemistry and metallurgy, and Mr. T. S. Delay, assistant professor of chemistry and metallurgy. No instruction was given in 1894 but the school year of 1895-1896 opened auspiciously with complete curricula offered in mine engineering and in chemistry and metallurgy. In addition a preparatory department was conducted as required by the legislature of 1895. The director of the school at that time was Prof. W. H. Seaman, and the faculty consisted of five men. Prof. Seaman remained at the head of the school until 1898, when he was succeeded by Prof. F. A. Jones.

In 1902 Dr. C. R. Keyes was made the director, and the School of Mines entered an area of notable expansion. In 1904 the faculty had been increased to fourteen professors and instructors and two special lecturers. The curricula offered were mining engineering, metallurgical engineering, mining geology, civil engineering, and liberal arts. However, the size of the faculty and the scope of the educational program initiated by Dr. Keyes proved to be greater than the income of the school and conditions in the state warranted and following the election of Prof. R. P. Noble to the presidency in 1906 considerable retrenchment was effected. During the next ten years the faculty numbered between six and eight professors and instructors and the curricula offered were mining engineering, metallurgical engineering, geological engineering and civil engineering.

President Noble resigned in 1908 and was succeeded by Prof. E. A. Drake, who had been on the faculty since 1898. The next change in the school head occurred in 1913 when Prof. F. A. Jones again assumed the duties of president after an absence of eleven years. President Jones organized the school of Mines Mineral Resources Survey of New Mexico in 1915. No regular appropriations have ever been made for the Mineral Resources Survey; hence its work has been limited and desultory.

(Continued on page 109)



Board of Regents

B. H. KINNEY, Manager Kinney Coal Mine.....	Tokay
J. M. SULLY, General Manager Chino Branch, Ray Consolidated Copper Company.....	Hurley
E. M. SAWYER, Manager, Phelps Dodge Corporation.....	Tyrone
CORA E. MOFFETT, The Empire Zinc Company.....	Socorro
J. G. FITCH, Attorney-at-Law.....	Socorro

The complete board of regents is as follows:

HIS EXCELLENCY, A. T. HANNETT, Governor of New Mexico, ex-officio.....	Santa Fe
MISS ISABEL L. ECKLES, Superintendent of Public Instruction, ex-officio.....	Santa Fe
B. H. KINNEY.....	Tokay
J. M. SULLY.....	Hurley
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J. G. FITCH.....	Socorro

OFFICERS OF THE BOARD

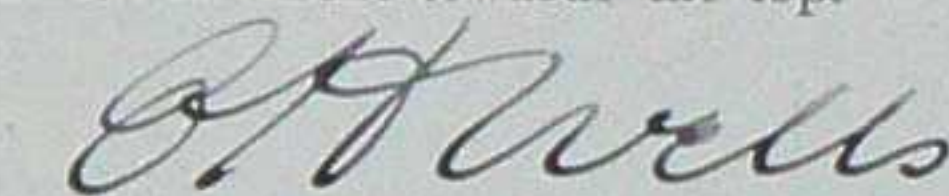
B. H. KINNEY.....	President
CORA E. MOFFETT.....	Secretary and Treasurer
BLANCHE REED.....	Clerk

THE PRESIDENT'S MESSAGE

I find it both a privilege and a pleasure to comply with the request of the editor-in-chief that I prepare a message for the "Porphyry."

The present year is notable in the history of the New Mexico School of Mines as witnessing the first publication of a year book by the students. The staff of such a volume has no easy task at an institution of only moderate size located in a small town. However, the glimpses I have had of some of the material which is to be included assure me that the "Porphyry" will be a source of pride to all who are interested in the school. I trust that it may be followed by other issues, perhaps bi-annually rather than annually until the school increases appreciably in size.

I have in my book cases a number of annuals of my Alma Mater for the years when I was a student. They have always been included in my books when I have moved from place to place through many of the western states and British Columbia. At frequent intervals I pore over their pages and refresh the many happy memories of the good old student days. I believe that you, too, will enjoy your copy of the "Porphyry," not only now as a student but in the years to come as you win your way up the ladder of progress in your profession. If the part you have taken in the student activities of the School of Mines has given you especial prominence in the "Porphyry" or if you find that your pleasure in perusing it is outstanding, you have done much to hasten your advancement towards the top.



President.

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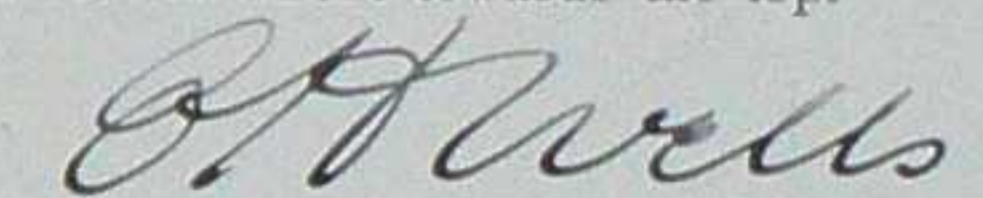
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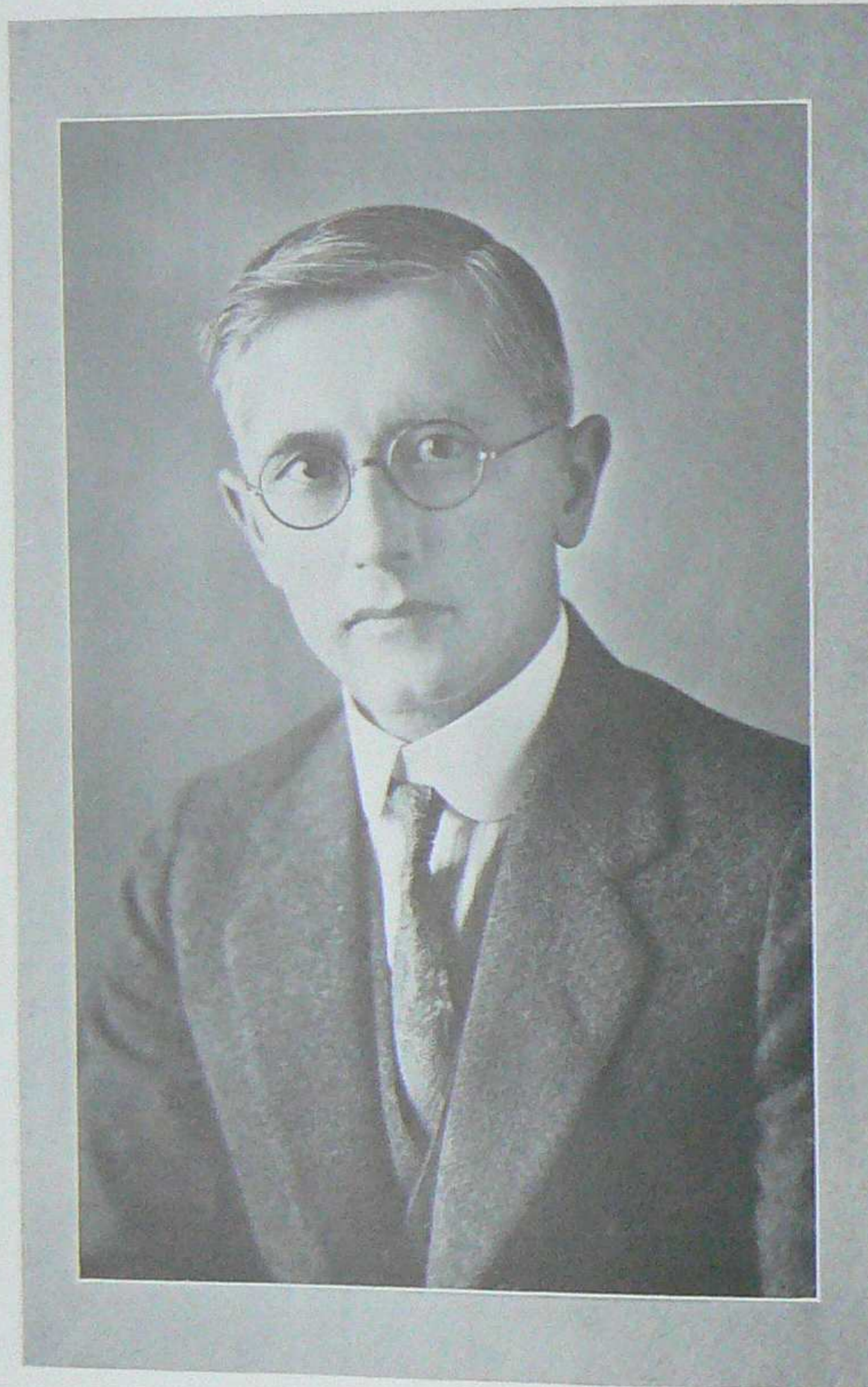
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President.



PROFESSOR RICHARD HERB REECE

PROFESSOR RICHARD HERB REECE, B.Sc. IN E.E., M.A.

As truly as a building is dependent upon its foundation for any strength and stability it may possess, so an engineer's education is founded upon his knowledge of mathematics and physics. Without a thorough understanding and a ready working knowledge of these tools of science, all subsequent studies, which are in reality applications of these basic principles, are valueless.

The New Mexico School of Mines is the fortunate possessor of the services of a professor in these subjects, of undoubted technical knowledge, of wide experience and possessed of the rare ability of being able to impart this knowledge to others.

Professor Richard Herb Reece is a native of Ohio but he spent his boyhood days on a farm near Lawrence, Kansas. His first college work was done at the Kansas State Agricultural College, from which institution he was granted a Bachelor of Science degree in Electrical Engineering in 1906. After graduation followed two years of practical work in the employ of the Western Electric Company of Chicago, Illinois.

Professor Reece began teaching in 1908, being principal of the Champion, Michigan, High School from 1908 until 1910. He joined the mathematics faculty of the Michigan Agricultural College in 1910 and remained there until coming to the New Mexico School of Mines in 1917. While at the Michigan Agricultural College his marriage to Miss Louise Miller of East Lansing, Michigan, took place.

Since October, 1917, Professor Reece has been professor of Mathematics and Physics at the New Mexico School of Mines. He spent the summer of 1913 at the University of Michigan doing graduate work in mathematics, the summer of 1914 and the first semester of the 1916-1917 school year at the University of Wisconsin doing graduate work in mathematics and mechanics, and the summers of 1918 and 1920 at the University of Colorado, completing his work at this institution and receiving the Master of Arts degree with mathematics as a major, and physics as a minor subject. He is a member of the Mathematical Association of America.

The manner in which Professor Reece handles a piece of chalk and an eraser is truly uncanny. The most difficult problem finally resolves itself, under his direction, into the most tractable possible. He is highly respected by the entire student body and by his colleagues on the faculty.



PROFESSOR ADOLPH S. WALTER

PROFESSOR ADOLPH S. WALTER, E.M.

The year 1922 will long stand out as one to be remembered in the history of the school, for it was in this year that this institution was benefitted by the appearance of Professor A. S. Walter. He may be said to possess that rare ability of imparting to the students his knowledge, and this, coupled with the actual knowledge itself. His experience has been large and varied and the students registering for his courses are getting the benefits of it.

Professor Walter received his Engineer of Mines degree from the Colorado School of Mines in 1915. Previous to this, he attended the University of Virginia where he received a Certificate in Chemistry. Before attending either of these institutions he was out in the mining field and held responsible positions with the Florence Goldfield Mining and Milling Company, Goldfield, Nevada, the Nevada Goldfield Reduction Works, Goldfield, Nevada, and the Modern Smelting and Refining Company of Utah Junction, Colorado. During the summers of 1912-1914 he was consulting engineer for various companies in Colorado. After completing his collegiate work at the Colorado School of Mines he held various positions with the American Smelting and Refining Company at their Durango, Arkansas Valley, and Pueblo plants. When he severed his connection with this company he was Assistant Superintendent at Pueblo, Colorado. From 1921 until 1922 he was consulting engineer for the Uinta Oil and Exploration Company, Uinta, Utah, and the American Electric Smelting and Refining Company. In 1922 he accepted the position of Professor of Chemistry and assistant Professor of Metallurgy at the New Mexico School of Mines. The courses he offered were excellent and fitted the students for the work they would encounter in actual practice. The following year he was placed in charge of the Mining and Metallurgical department at this institution and the progress made in this phase of the work is largely due to his efforts. He was also Athletic Director in 1923.

Professor Walter is a member of the Colorado Metal Mining Association, the American Mining Congress, and the Colorado Society of Engineers.



PROFESSOR THOMAS H. McCARTHY

PROFESSOR THOMAS H. McCARTHY, B.Sc. IN C.E.

The genial and efficient head of the Civil Engineering Department, Professor Thomas H. McCarthy, first saw the light of this world at Trinidad, Colorado, in October, 1889. He finished his High School education in the High Schools of Trinidad in 1909. Due to various causes his college education was not continuous but his determination for a more complete education won out and he received his Bachelor of Science Degree in Civil and Irrigation Engineering from the Colorado Agricultural College in 1915. He was very active in athletics while at school, playing football but paying greatest attention to baseball. During his Senior year he was editor of the school paper.

We are glad to say that the position of head of the Civil Engineering Department is filled by a man of wide and practical experience. He came to this institution well recommended and by his ability has shown that the words of others were not in the least extravagant in extolling his praises. No enterprise or problem is too great for him to tackle.

He held the position of instrument man in the Model Land and Irrigation Company, Trinidad, from 1910 to 1911. After graduating from college he was assistant in irrigation investigations at the Colorado Experiment Station until 1916. During 1915 and 1916 he was also County Surveyor of Los Animas County, Colorado. In the United States Department of Agriculture he held the position of Assistant Irrigation Engineer from 1916 to 1917. In 1918 he attended an Officers Training School and was commissioned a 1st Lieutenant in the United States Field Artillery. He served at the Front and later also as an instructor at the Artillery School at Samur, France. During 1919 he was Assistant Irrigation Engineer, United States Department of Agriculture and Engineer in the California Land Settlement Board at Turlock, California.

From 1920 to 1923 he held the position of Superintendent at the Nebraska School of Irrigation, University of Nebraska, Scottsbluff, Nebraska. Since September, 1923, he has been at the head of the Civil Engineering Department of the New Mexico School of Mines. We hope he will continue to remain with us.



PROFESSOR A. R. FERGUSON

PROFESSOR A. R. FERGUSON, A.B., M.A.

One of the greatest pillars which the New Mexico School of Mines has added to its faculty during the present year has been none other than A. R. Ferguson, Professor of Chemistry, and Athletic Director. In finding this man, the School of Mines has been extremely fortunate, for he is the master of a combination which is essential to any college. Owing to his years of wide and varied experience, he is not only fitted as an instructor along his chosen line, but is also an expert athletic coach.

Professor Ferguson graduated from Coe College, Iowa, in 1908, where he received the A.B. degree in Chemistry. He received his M.A. degree in Chemistry from the University of Nebraska in 1916.

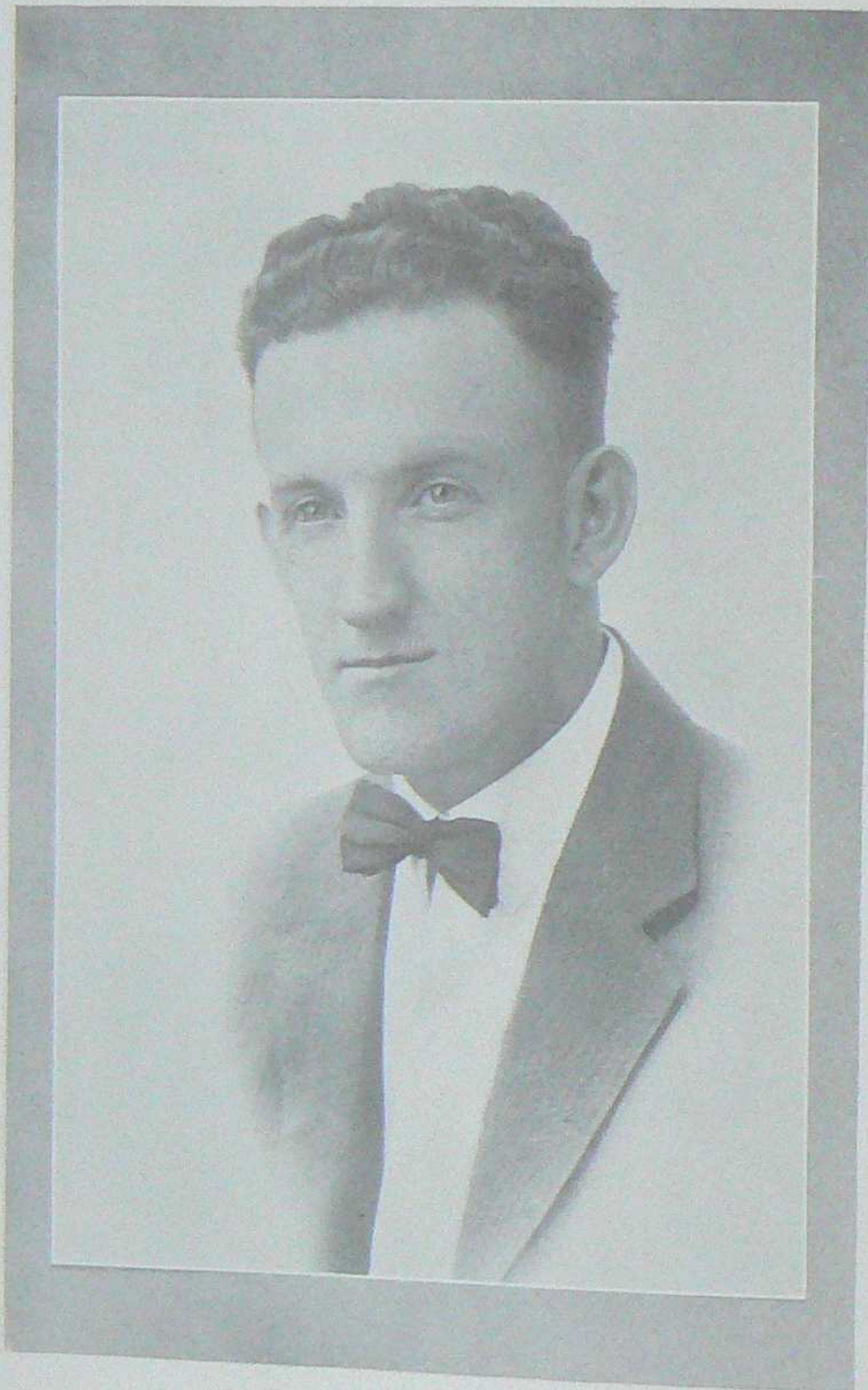
During the school year 1908-1909 he was professor of Chemistry and athletic coach in the Albin High School, Albin, Iowa. He held a similar position at the LaMars High School from 1909 to 1910 at LeMars, Iowa. From 1910 to 1912 he was Professor of Physics, Gymnasium Instructor and Coach in East High School, Waterloo, Iowa. During the six years from 1912 to 1918, Mr. Ferguson was at Hastings College, Nebraska. During the first three years he was Professor of Chemistry and Athletic Coach. For the last three years he was the Dean of the College and Professor of Chemistry.

In 1918, Professor Ferguson left his profession as a college instructor and took up his duties as a scientist to help along the World War. During the year 1918 he served as an analytical chemist for the National Potash Company, Centioch, Nebraska. He was field and research chemist for the Mid West Chemical Company at Ohiola, Nebraska, and at Marysvale, Utah, from 1919 to 1923.

He has been with the School of Mines since the beginning of the fall semester of 1924.

Professor Ferguson has an athletic career of which any red-blooded American would be proud. During his time as a student at Coe College he was awarded eight letters; four in basket ball, two in foot ball, one in baseball and one in tennis.

During his short time at the School of Mines he has already stimulated more of a desire for athletics than has previously ever been known on the campus.



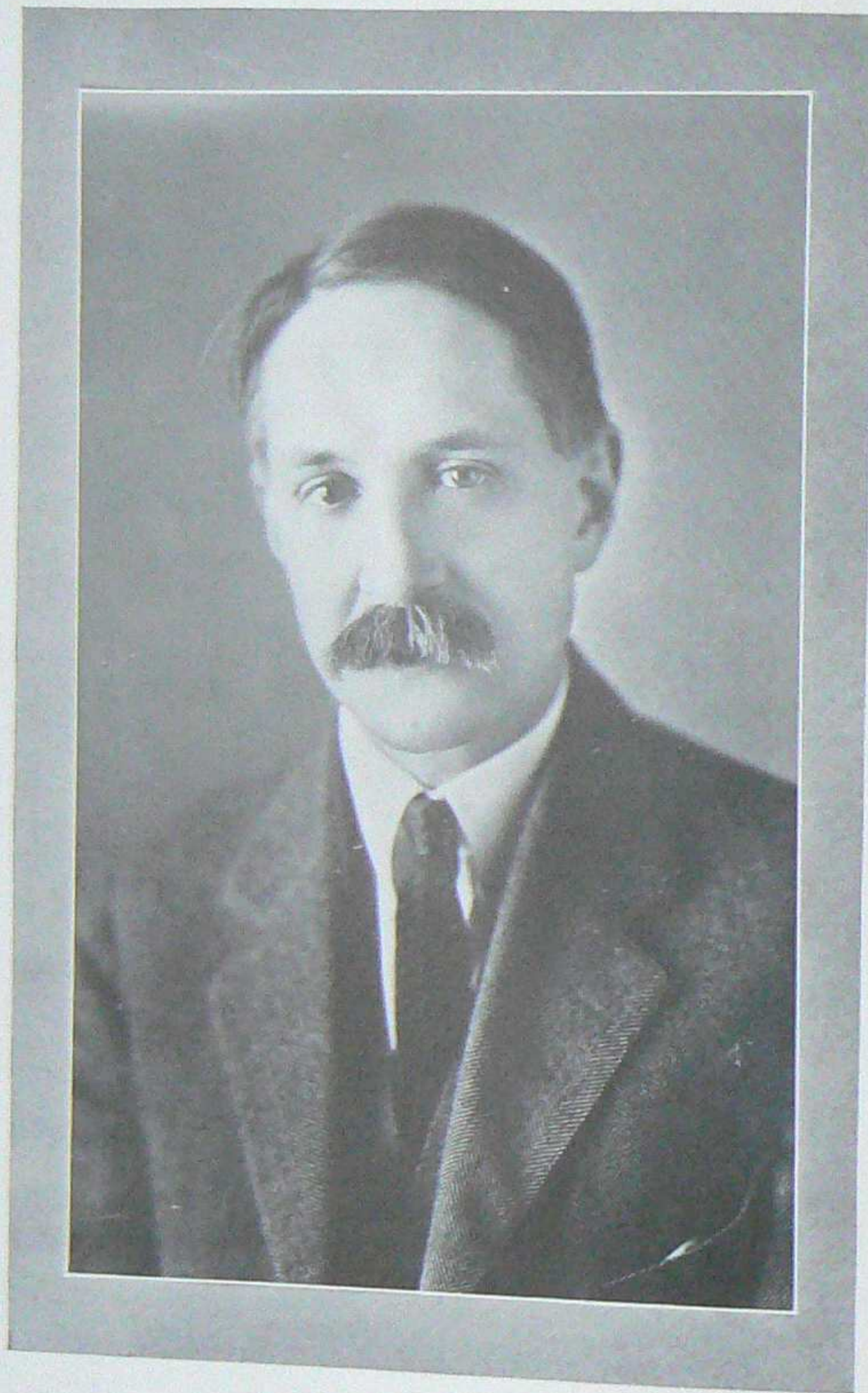
PROF. T. R. BENNETT

PROFESSOR THOMAS RALPH BENNETT, A.B.

Professor Bennett is a native of Keosauqua, Iowa. During early childhood he removed to Colorado where he received his early education in the grade schools of Cortez. He later attended and graduated from the high school in this same town. After completing his high school education, Professor Bennett attended the Colorado State Teachers College where he graduated in 1919. He is a member of the Kappa Delta Pi Fraternity.

During 1919-1920 he was a teacher of English and Spanish in the Rifle Union High School of Rifle, Colorado and then served as principal of the Mesita Public School, Mesita, Colorado, from 1920-1921. The years 1921-1922 were spent as assistant principal of the Dania High School, Dania, Florida. After a year spent in Florida he again returned to the West and accepted the position of teacher of English and Spanish at the Miami High School, Miami, Arizona. He remained in this position for two years upon the completion of which he accepted the position as Professor of English and Spanish and Principal of the Academy at the New Mexico School of Mines.

Professor Bennett has been a strong booster of athletics at the school and is the originator and active sponsor of the Dramatic and Debating Clubs here.



PROFESSOR RENE L. H. ENGEL

PROFESSOR RENE L. H. ENGEL, B.Sc., M.S.

Professor Rene Engel, who came to this school in the fall of 1924 is peculiarly fitted for the position he is holding. He was educated in the University of Paris where he received his Bachelor of Science degree in Chemical Engineering in 1909. He served his Alma Mater in the capacity of Instructor in Chemistry in 1911 and 1912 at the end of which period he obtained his Master of Science degree in Mineralogy and Applied Geology. Shortly after receiving his advanced degree he came to the United States and entered the employ of the Anaconda Copper Mining Company, Washoe Smelter, Anaconda, Montana, as Assistant Testing Engineer and Draftsman. In 1914, when the World War broke out, he heeded the call of his native land and returned to France where he was an engineer in the Ordnance Department of the War Office in Paris from 1915 until the Armistice was signed in 1918. After hostilities ceased, he held the position of Geologist and Supervising Mining Engineer of the Saar Coal Mines, Sarrebruck. In 1920, Professor Engel again returned to the United States and re-entered the employ of the Anaconda Copper Mining Company as Mining Engineer in the Mechanical, Mining, and Geological Departments of this company at Butte, Montana. He remained with this company until 1923 when he accepted the position of Professor of Mineralogy and Geology at the Oklahoma School of Mines. He stayed at this institution for one year and in the fall of 1924 accepted the position of assistant Professor of Geology and Mineralogy at the New Mexico School of Mines.

Professor Engel is a great lover of music and was a student at the Paris Conservatory of Music where he studied the piano under some of the greatest masters of the time. He takes an active interest in the welfare of the school and has organized an orchestra and glee club. He sets the students in his department a wonderful example by his application. If they worked one-half as long and hard as he does, great things would be accomplished. He is a member of the American Institute of Mining and Metallurgical Engineers, the American Chemical Society and the Societe des Ingenieurs Civils de France.



PROFESSOR J. A. WEIR

PROFESSOR JOHN A. WEIR, E.M.

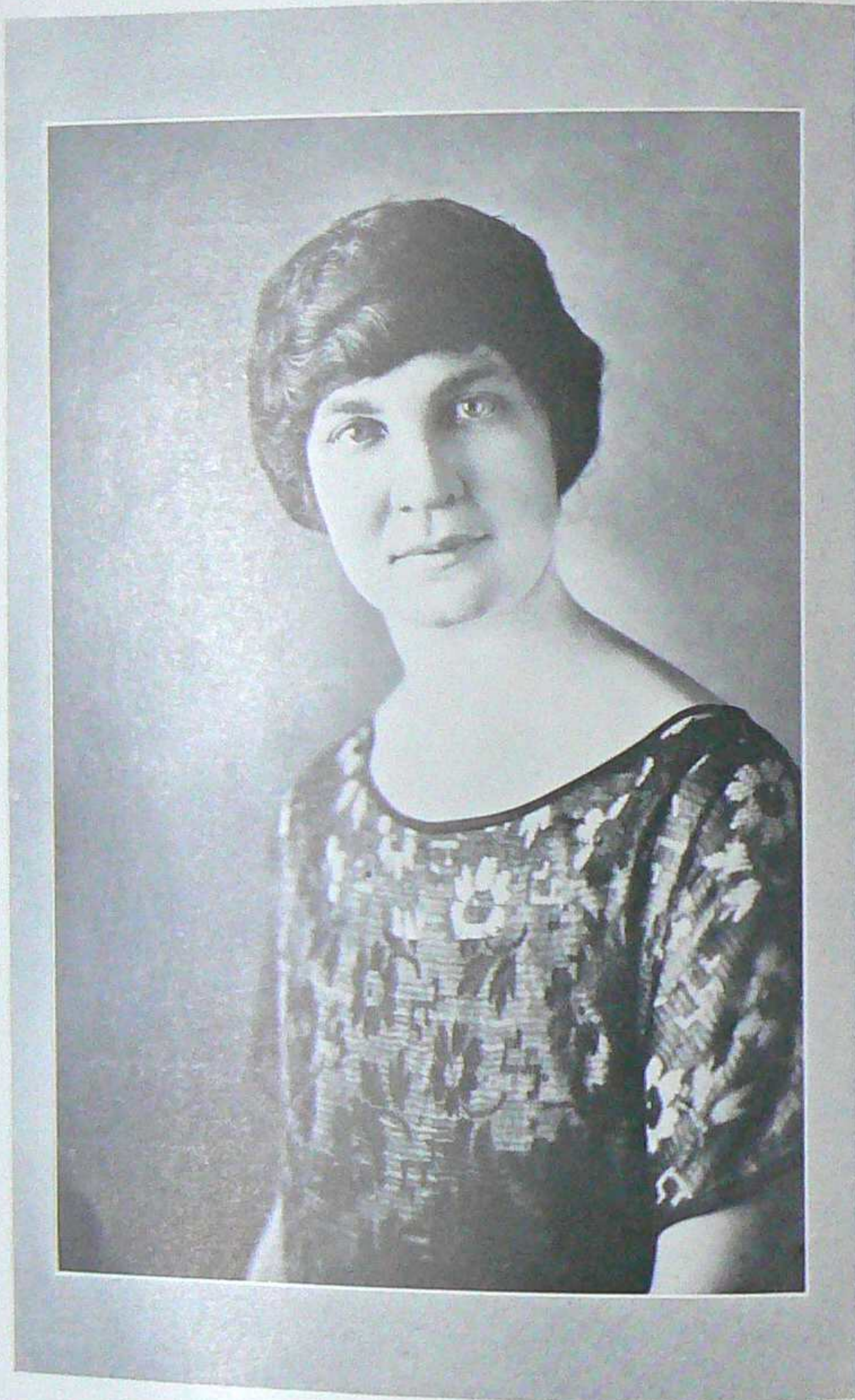
Undoubtedly one of the best instructors in Surveying and Drafting that the New Mexico School of Mines has ever had is Professor John A. Weir.

Professor Weir was born on a farm in Ontario, Canada. He attended the country school there before moving to Manitoba, where he acquired his high school education. He entered the Colorado School of Mines in 1905 from which he graduated in 1909 with the Engineer of Mines degree. During his senior year in college he was student Director of Athletics.

After graduation, Professor Weir was Office Engineer, Draftsman, and Concrete Inspector for the Denver Reservoir Irrigation Company at Hudson, Colorado. He remained with this company until 1910 when he accepted a position as Draftsman with the Goldsborough Company, Denver, Colorado. From 1911 until 1912 he was Assistant Mine Engineer at Stratton's Independence, Ltd., Victor, Colorado. He then worked with the United States Reclamation Service, Montrose, Colorado, as Designer of Structures until 1913. From 1913 until 1915 he was Assistant Engineer, Canadian Pacific Railway Company, on topographic surveys and operations and maintenance with the Irrigation branch of the Department of Natural Resources at Strathmore, Alberta. He was Chief of Party, Land Classification, United States Reclamation Service, Montrose, Colorado, from 1915 until 1916. In 1916 he went to the Ozark Smelting and Mining Company at Magdalena, New Mexico. He remained with this company until 1918 as Mine Engineer. In 1918 he was made Mine Superintendent for the same company. From 1921 until 1924 he was engaged in engineering and leasing operations.

In the fall of 1924, Professor Weir came to this school and has acted in the capacity of Instructor in Civil Engineering and Metallurgy.

Professor Weir is a member of the American Institute of Mining and Metallurgical Engineers.

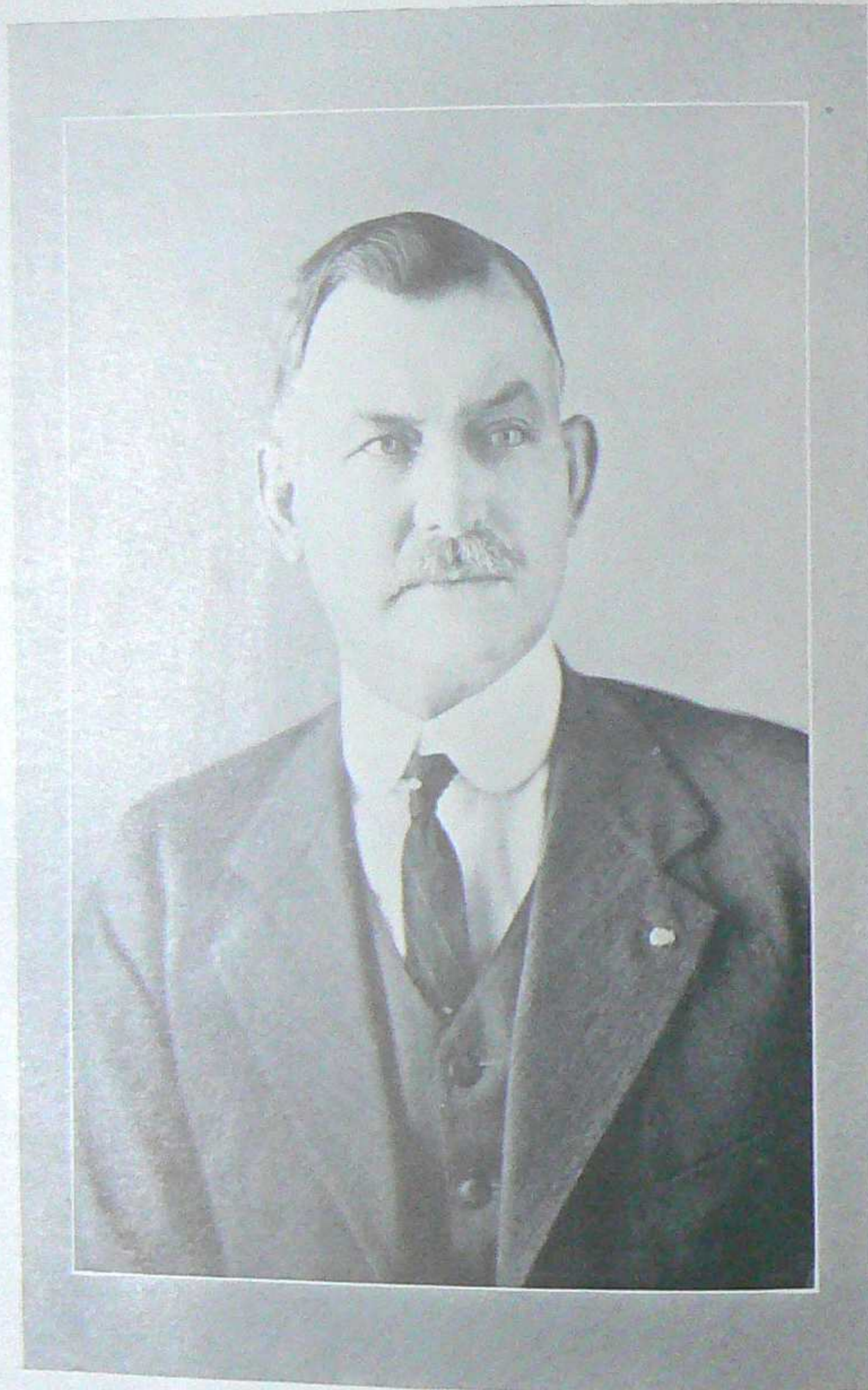


BLANCHE REED

BLANCHE REED

Were it not for the smile which greets everyone as he enters the office, that sanctum would be a place to stay away from. In a school such as ours, where we have no co-eds, the feminine touch is beautifully administered by our Registrar, Blanche Reed. We unconsciously throw away our cigarettes and straighten our ties (when we wear them) upon entering the office of the President.

Blanche Reed is a native of Kansas where she obtained her early education. She attended the Normal School at Emporia, Kansas, for several years but soon decided that a business career was the one for her to follow. Accordingly, she attended the Spalding Business College at Kansas City, Missouri, graduating from this institution in the middle of 1914. Upon completing this work she took a special course in Public Library work at the Public Library in Kansas City, Missouri. In the fall of 1914 she accepted the position of Registrar and Secretary to the President at the New Mexico School of Mines. She is also Clerk of the Board of Regents.



MR. GEORGE MILLER

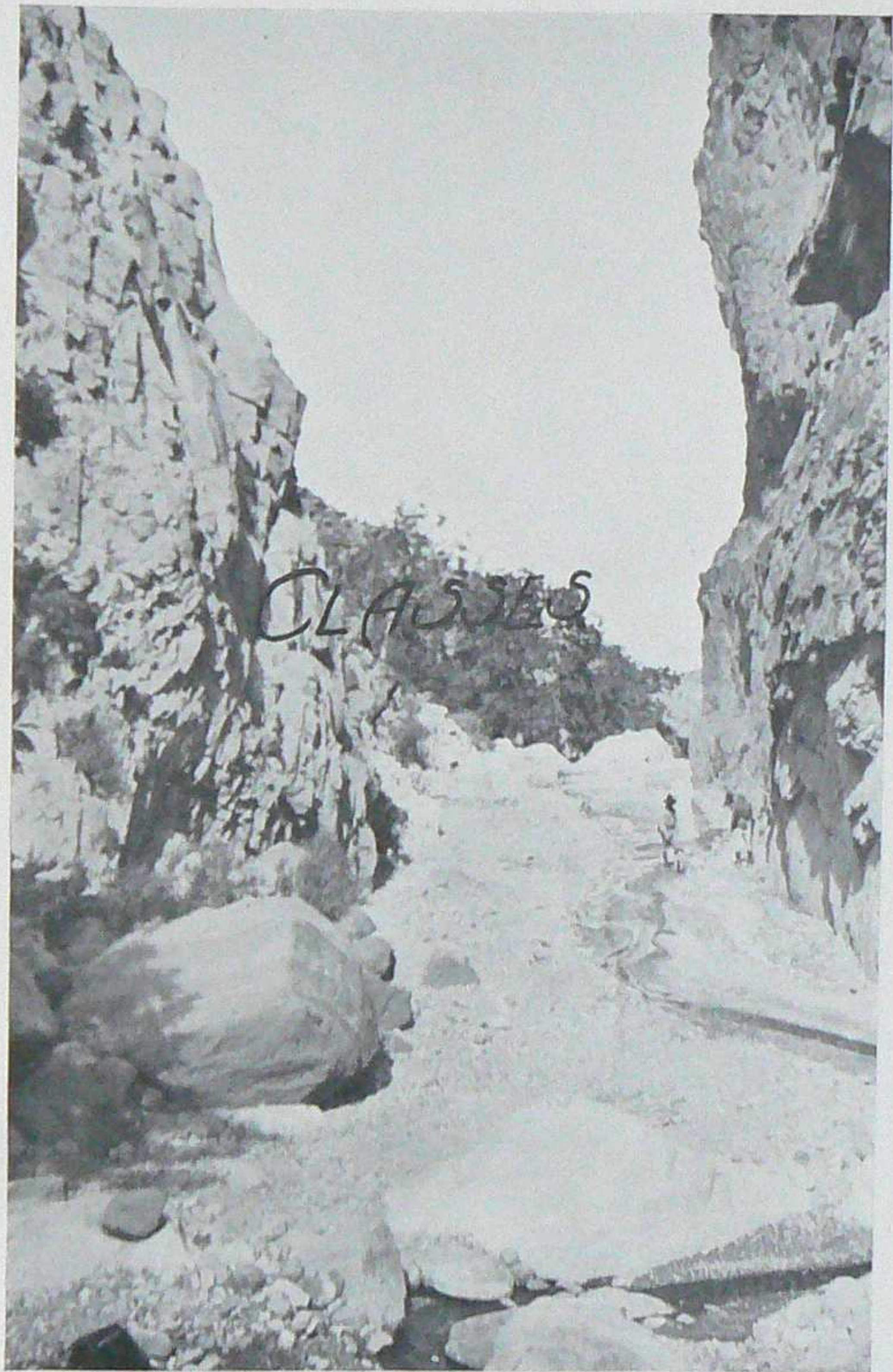
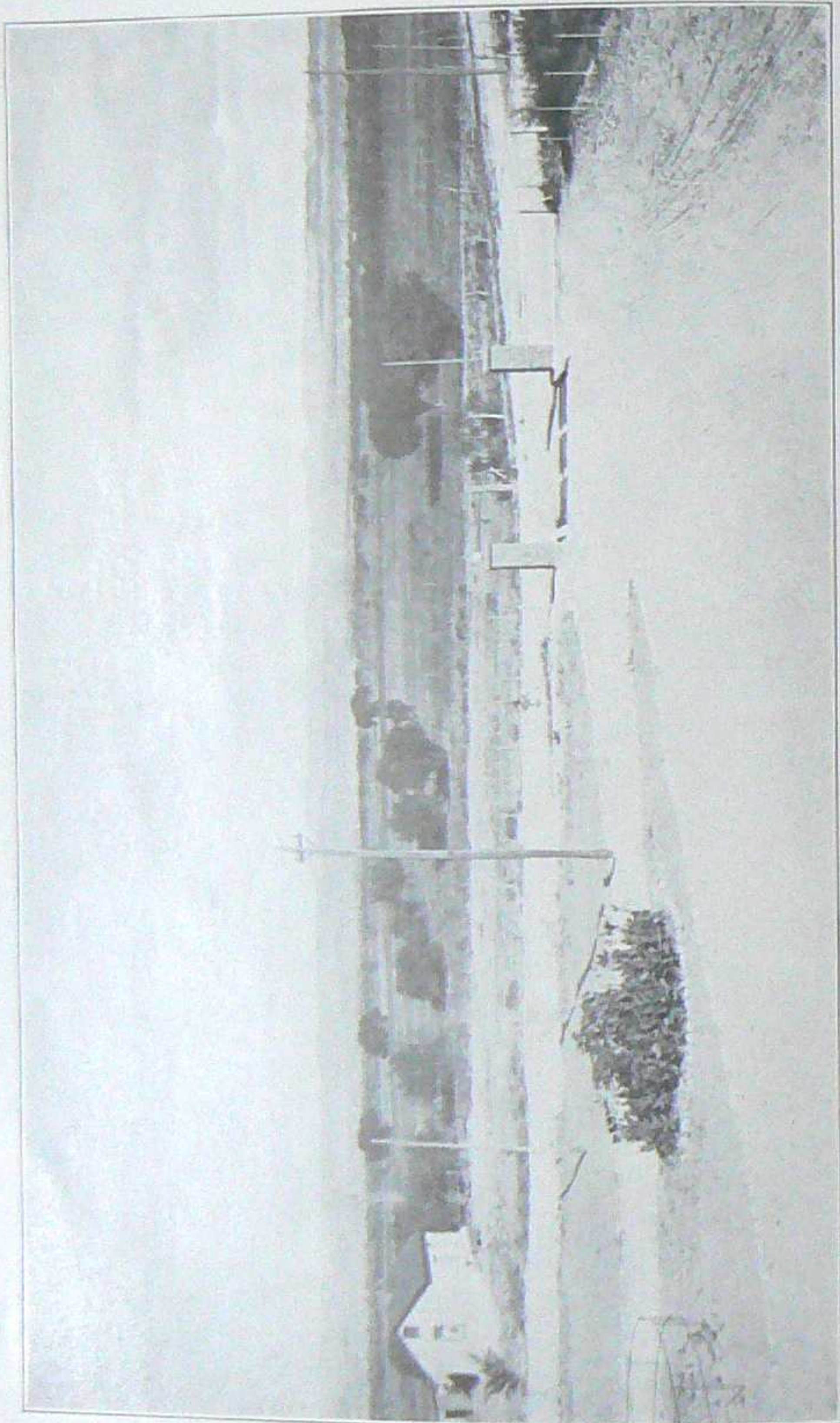
GEORGE MILLER

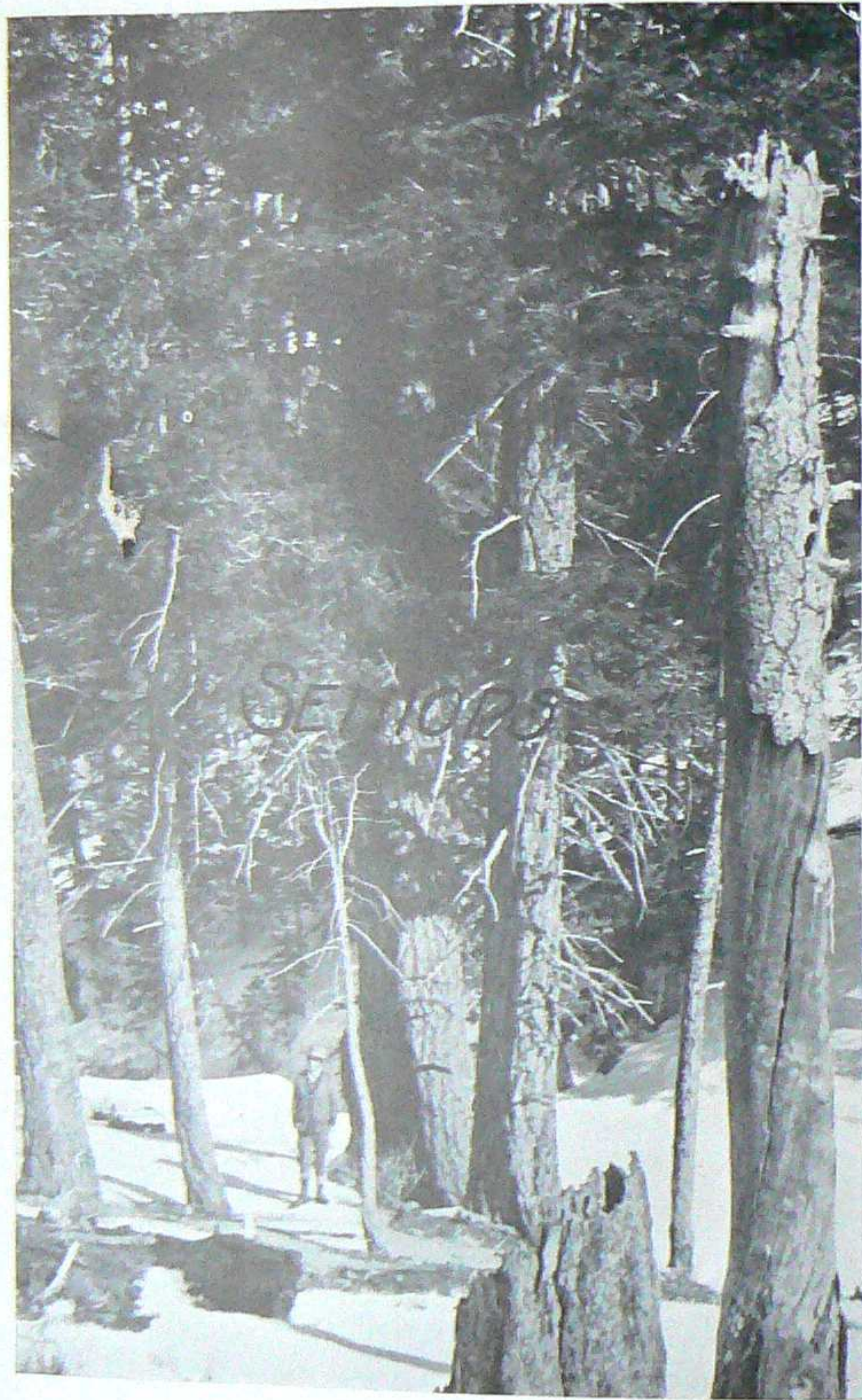
Mr. Miller was born in Illinois. When a young man he went to Chicago where he was engaged as a plumber's helper, learning the plumbing trade at the same time. Later he went to St. Louis where he was in business for some time. The lure of the west got him as it has so many of us and he came to Estancia Valley, New Mexico. Here he tried his luck at dry farming but after a few years he decided that farming wasn't to his liking and went into the saddlery business in Magdalena. Later he came to Socorro where he started in the mercantile business. About eight years ago Mr. Miller came to the School of Mines as Superintendent of Buildings and Grounds. All work about the campus is under his direct supervision and he has done much to improve the looks of the once barren campus.

Mr. Miller possesses a wonderful stock of yarns of the old days in New Mexico and the boys often get him to tell them, which he does willingly. We would sit and listen for hours if George would tell stories that long.

Besides his numerous business ventures Mr. Miller has been a dancing instructor.

He is a member of both the Masonic and Knights of Pythias lodges.





WILLIAM WESLEY STALEY

PORTLAND, OREGON

Mining Engineering

Pres. Senior Class, Jun. Assoc. A. I. M. E., Pres. Cooney Mining Club, Vice Pres. A. A. E. '24, Member Student Council, '25, A. A. E., "M" Club, Student Instructor in Chemistry '24, Assistant in charge of Power Plant '25, Letter in Baseball '24, Baseball Mgr. '25, Organizations Editor PORPHYRY '25, Class Baseball and Basketball.



LORIN LINDLEY HAWES

COUNCIL BLUFFS, IOWA

Mining Engineering

Vice Pres. Senior Class, Chairman Entertainment Committee '25, A. A. E., A. I. M. E., Cooney Mining Club, Student Instructor in Mineralogy '24 and in Assaying '25, Class Baseball and Basketball.





THEODORE A. REICH

CUBERO, NEW MEXICO

General Science

Sec.-Treas. Senior Class, Member Entertainment Committee, A. A. E., Cooney Mining Club, "M" Club, Letter in Baseball '24 and in Basketball '24, Class Basketball and Baseball.



FREDERIC CLINTON BARNARD

BOSTON, MASSACHUSETTS

General Science

Proctor of Barnard Hall, Member A. A. E., Cooney Mining Club.



GERALD JACOB BALLMER

OAK HARBOR, OHIO

Geological Engineering

Editor of PORPHYRY '25, Assistant Basketball Coach, Member A. A. E., A. I. M. E., Cooney Mining Club, "M" Club, Letter in Baseball '24, Class Baseball and Basketball.



RAY GEORGE BROWN

PASO ROBLES, CALIFORNIA

Mining Engineering

Student Council '25, Manager Basketball '24, Member A. A. E., Cooney Mining Club, "M" Club, Letter in Basketball '24, Class Baseball and Basketball.



WALTER JOSEPH CORLEY
ROSWELL, NEW MEXICO

General Science
Member A. A. E. and Cooney Mining Club.



JACK EDWARD FYFE
SAN FRANCISCO, CALIFORNIA

Mining Engineering
President Athletic Association and Student council '25, Vice-Pres. A. A. '24, Sec.-Treas. A. A. '23, Captain Baseball '24, Student Instructor in Surveying '24, Member A. A. E., A. I. M. E., Cooney Mining Club, "M" Club, Letter in Baseball '24, Class Baseball and Basketball, Circulation Manager, PORPHYRY '25.



ARLO CLARK HATFIELD
FOSTORIA, OHIO

Geological Engineering
President A. A. E. '25, Advertising Manager PORPHYRY '25, Member Student Council '25, Student Instructor in Mathematics '25, Member A. A. E., Cooney Mining Club, Class Baseball.



WALLACE STANLEY JACKSON
PORTSMOUTH, NEW HAMPSHIRE

General Science
Member A. A. E., Cooney Mining Club, Class Baseball and Basketball.



STANLEY ANTON MAYER

SOCORRO, NEW MEXICO

Mining Engineering

Business Manager PORPHYRY '25, Assistant Baseball Manager '24, Chairman A. A. E. Entertainment Committee '25, Student Council '24, Member A. A. E., A. I. M. E., Cooney Mining Club, "M" Club, Letter in Baseball '24, Class Baseball.



ALBERT HILL PATTERSON

CRITCHELL, COLORADO

General Science

Member A. A. E., A. I. M. E., Cooney Mining Club, Class Baseball.

JOSEPH ALLEN WILLIAMS

LAS CRUCES, NEW MEXICO

General Science

Member A. A. E., A. I. M. E., Cooney Mining Club.



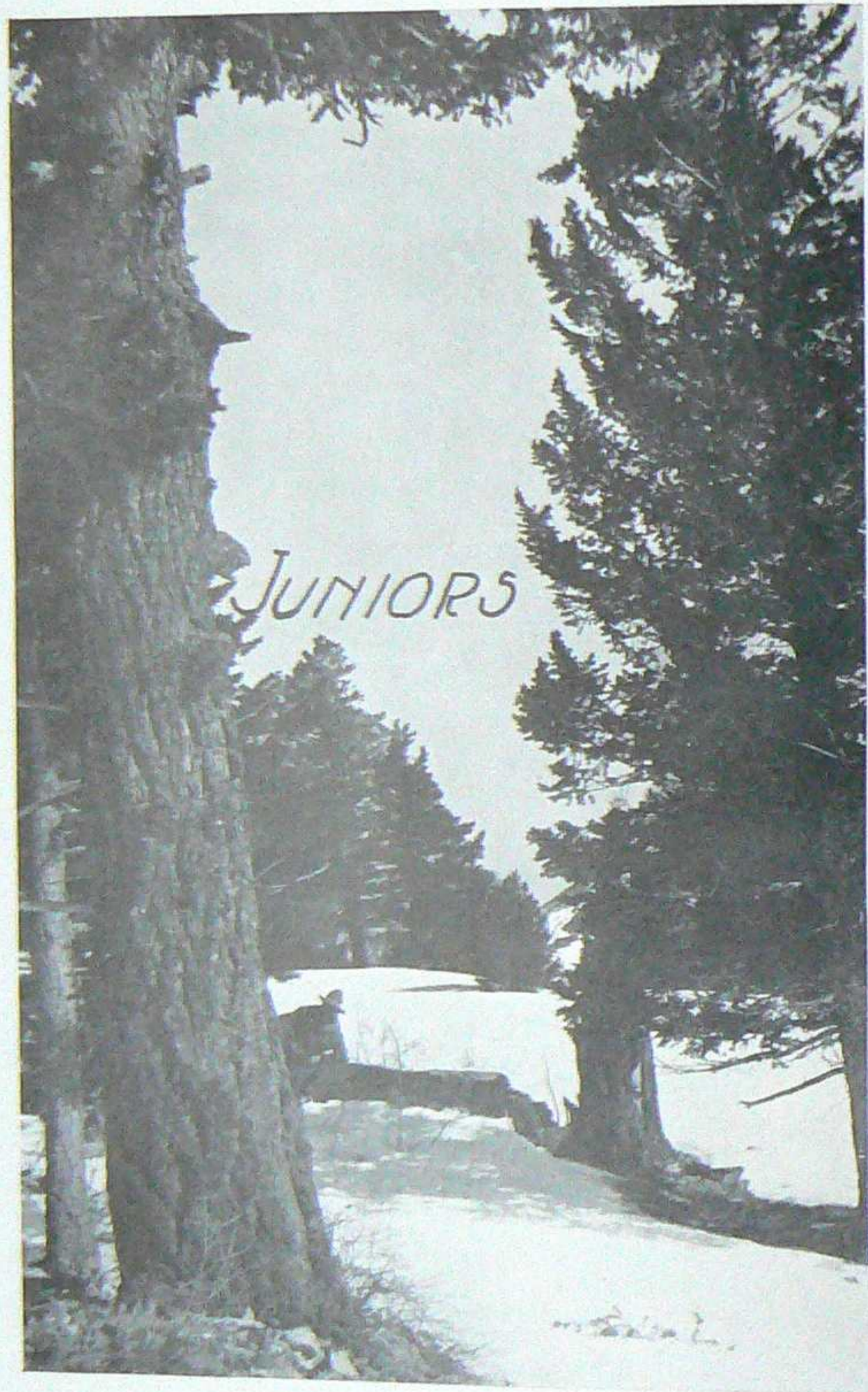
DAVID DALLAS BECKER

GALESBURG, MICHIGAN

General Science

Member A. A. E., A. I. M. E., Cooney Mining Club.





JUNIORS

MINOTE P. TROSSELLO
ALBUQUERQUE, NEW MEXICO

Mining Engineering

Class Pres. '25, Ass't Baseball Mgr. '25,
Member A. A. E. and Cooney Mining
Club, Class Baseball and Basketball.

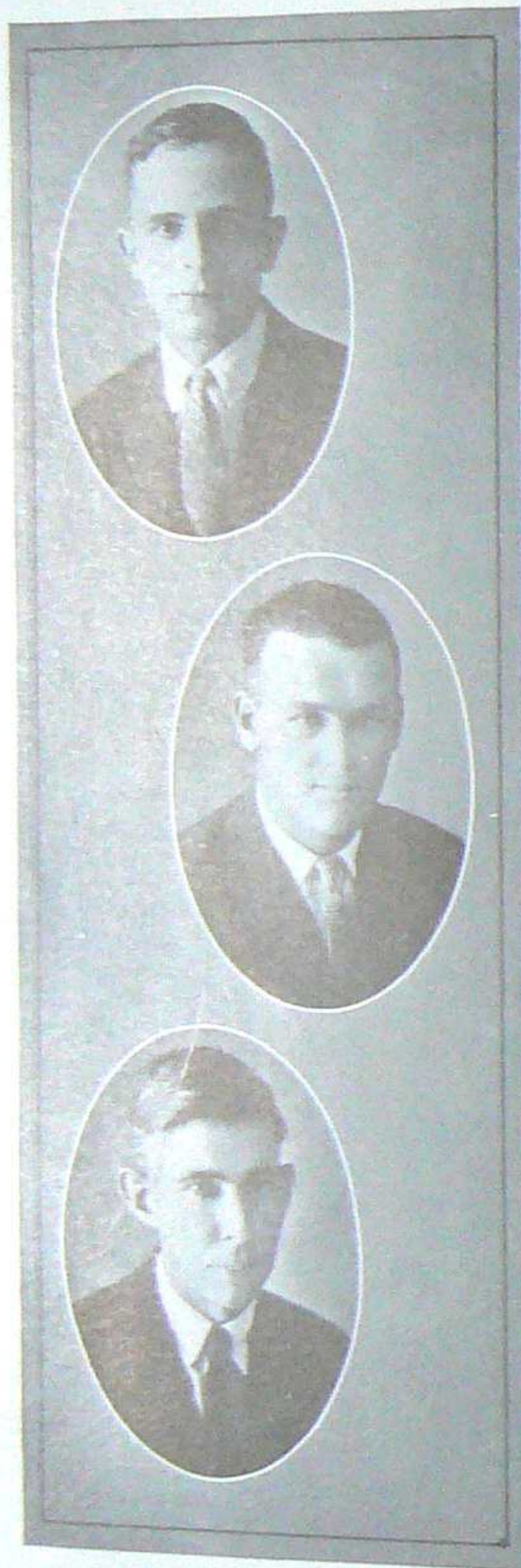


THOMAS L. POSEY
HENDERSON, KENTUCKY

Mining Engineering

Class Sec.-Treas. '25, Entertainment
Committee '25, Member A. A. E. and
Cooney Mining Club, Class Basketball.





WILLIAM E. BREVOORT

VINCENNES, INDIANA

Geological Engineering

Member A. A. E., and Cooney Mining Club.

HILMAR D. LOOK

SACRAMENTO, CALIFORNIA

General Science

Humor Editor "Porphyry" '25, Member A. A. E., and Cooney Mining Club, Class Baseball and Basketball.

ALFRED T. LOVELACE

DANVILLE, VIRGINIA

Mine Surveying and Assaying

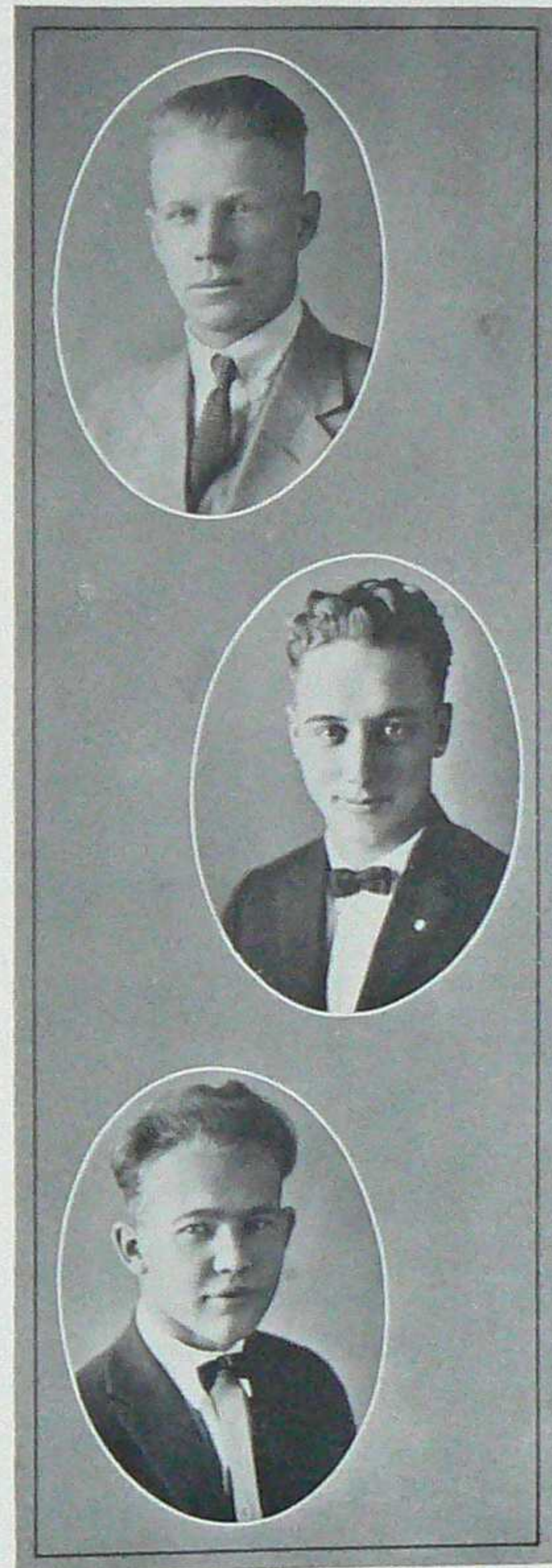
Class Sec. '24, Varsity Basketball Mgr. '25, Photograph Editor "Porphyry" '25, Entertainment Committee '25, Member A. A. E. and Cooney Mining Club.

C. W. ORR

WELLSVILLE, OHIO

Mining Engineering

Class Vice Pres. '24, Art Editor "Porphyry" '25, Student Council '25, Member A. A. E. and Cooney Mining Club, Class Basketball and Baseball.



CHARLES F. PARK

WILMINGTON, DELAWARE

Mining Engineering

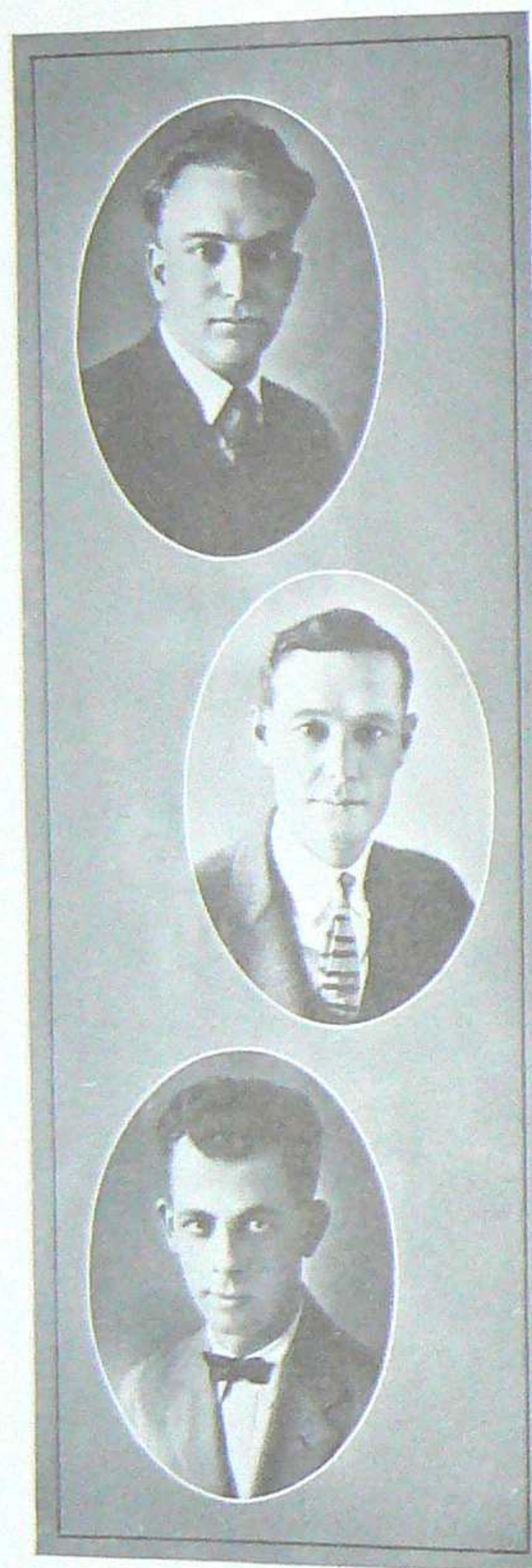
Athletic Editor "Porphyry" '25, Sec'y Cooney Mining Club '25, Class Vice Pres. '23, Vice Pres. A. A. '25, Student Instructor in Mineralogy '25, Capt. Varsity Basketball '24 and '25, Basketball '23, '24 and '25, Baseball '23 and '24, Member A. A. E., Cooney Mining Club and "M" Club, Letters in Basketball and Baseball, Class Basketball and Baseball.

PAUL L. ROUNDS

NUTLEY, NEW JERSEY

Mining Engineering

Associate Editor "Porphyry" '25, Editor "Gold Pan" '25, Class Treas. '23, Pres. "M" Club '24 and '25, Student Council '24, Member A. A. E., Cooney Mining Club and "M" Club, Varsity Basketball '24 and '25, Letter in Basketball, Class Baseball and Basketball.



PAUL M. SORENSEN

SPANISH FORK, UTAH

Mining Engineering

Class Baseball and Basketball, Member A. A. E., A. I. M. E. and Cooney Mining Club.

HAROLD A. WATSON

SALT LAKE CITY, UTAH

Mining Engineering

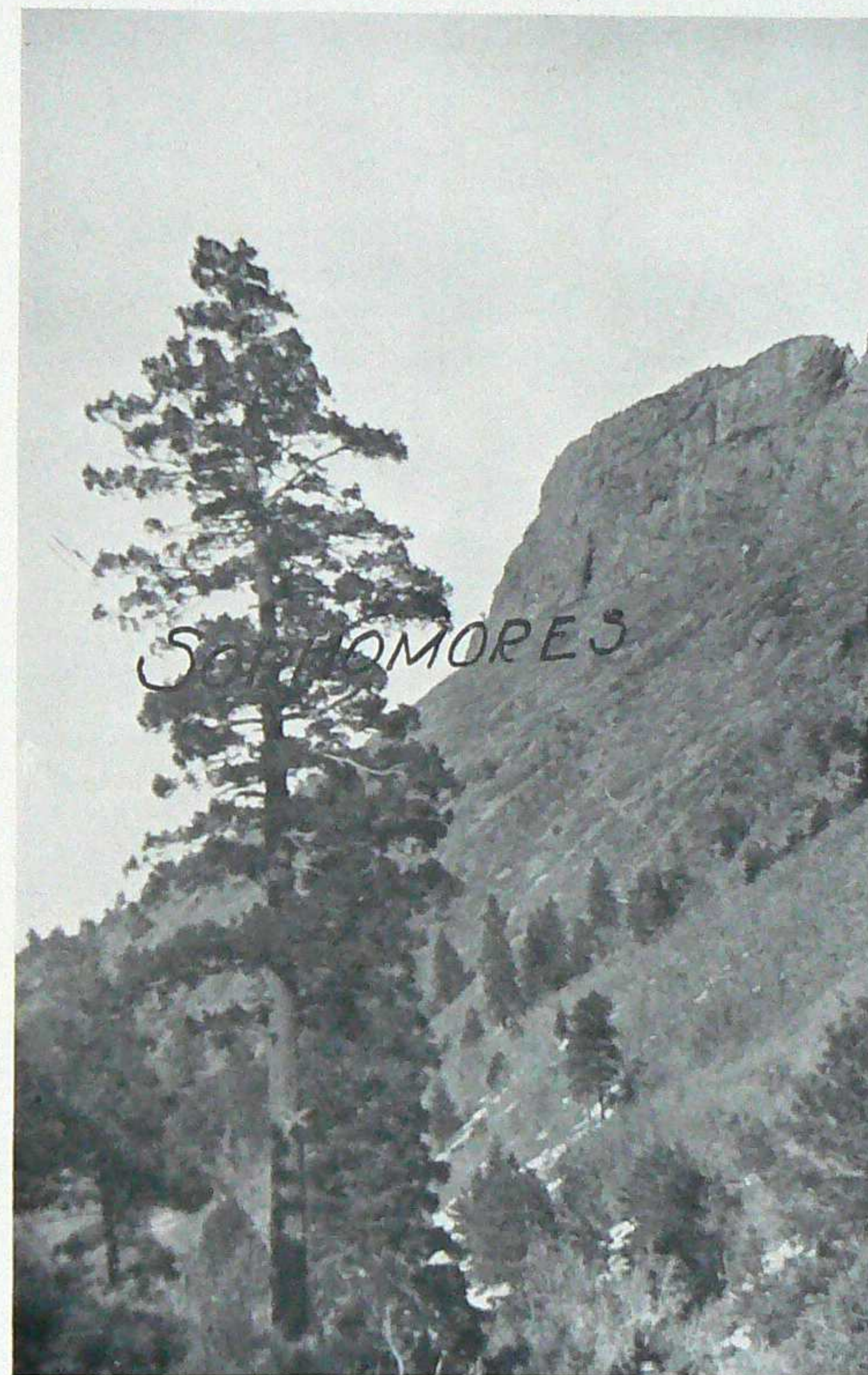
Class Baseball, Member A. A. E. and Cooney Mining Club.

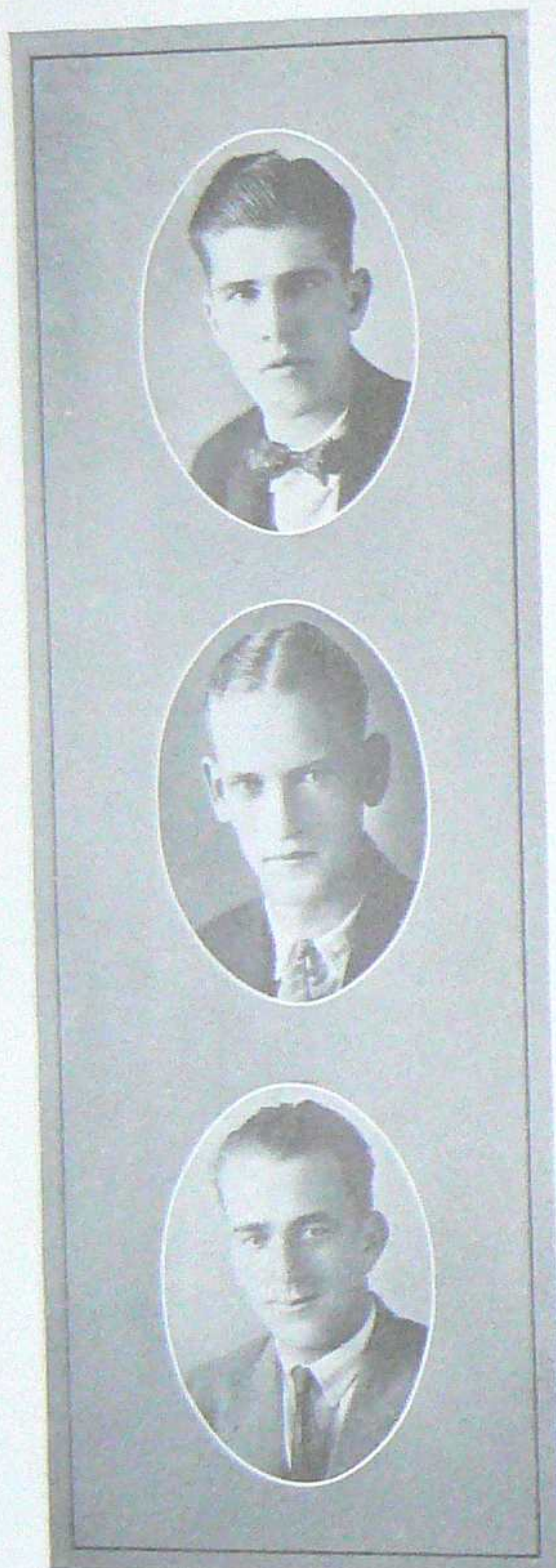
DON E. WILSON

SAEGERTOWN, PENNSYLVANIA

Mining Engineering

Student Instructor in Descriptive Geometry '24, Sec. A. A. '24, Class Pres. '24, Vice Pres. A. A. E. '25, Student Council '25, Member A. A. E. and Cooney Mining Club.





GILBERT IRWYN PIPPIN
WILMINGTON, DELAWARE

Mining Engineering

Class President '25, Ass't Basketball Manager '25, Athletic Editor GOLD PAN '25, Member A. A. E., and Cooney Mining Club.

HARRY O'FARRELL
ELGIN, ILLINOIS

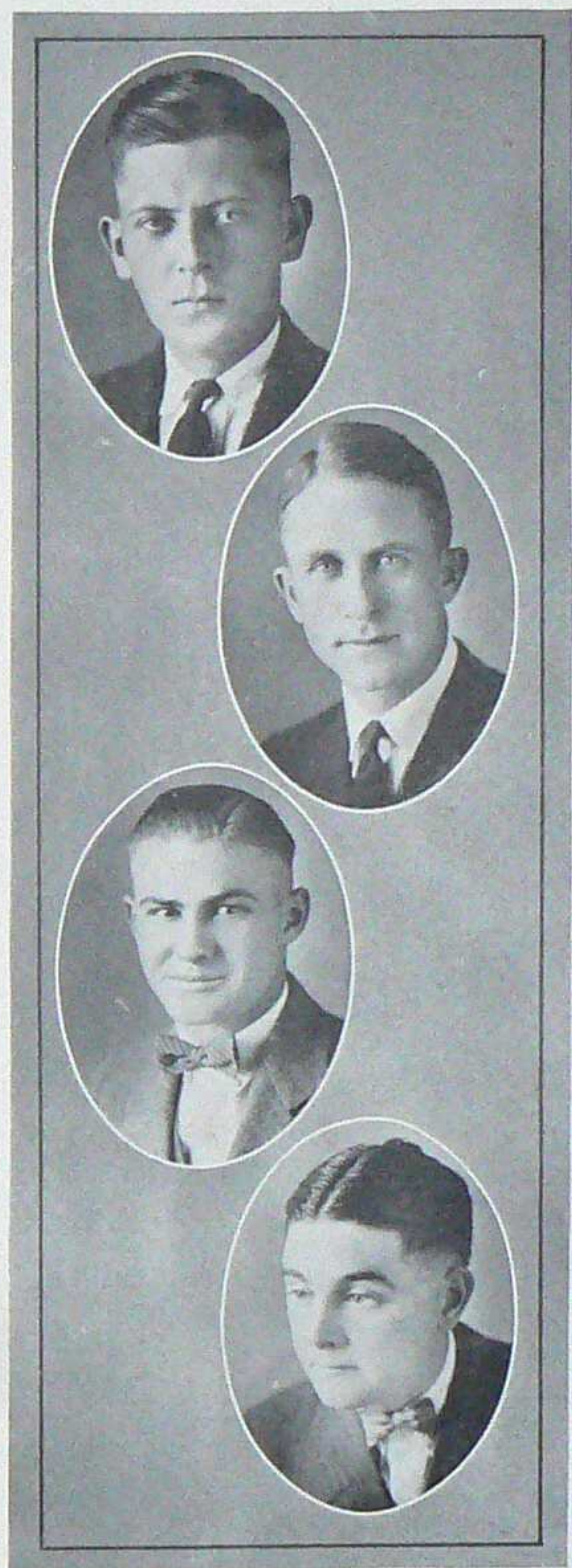
Geological Engineering

Class Secretary '25, Sec. & Treas. A. A. E. '25, Member A. A. E., and Cooney Mining Club.

ERNEST BLESSING
SCHENECTADY, NEW YORK

Geological Engineering

Class Treasurer '25, Member A. A. E., and Cooney Mining Club.



EDWARD J. CHAPIN
NEW BRITAIN, CONNECTICUT

Mining Engineering

Assistant in Chemistry Stock Room '25, Member A. A. E., and Cooney Mining Club.

HAL OLIVER COWLES
DEMING, NEW MEXICO

General Science

Member A. A. E., and Cooney Mining Club.

WILLIAM L. EMERICK
CHICAGO, ILLINOIS

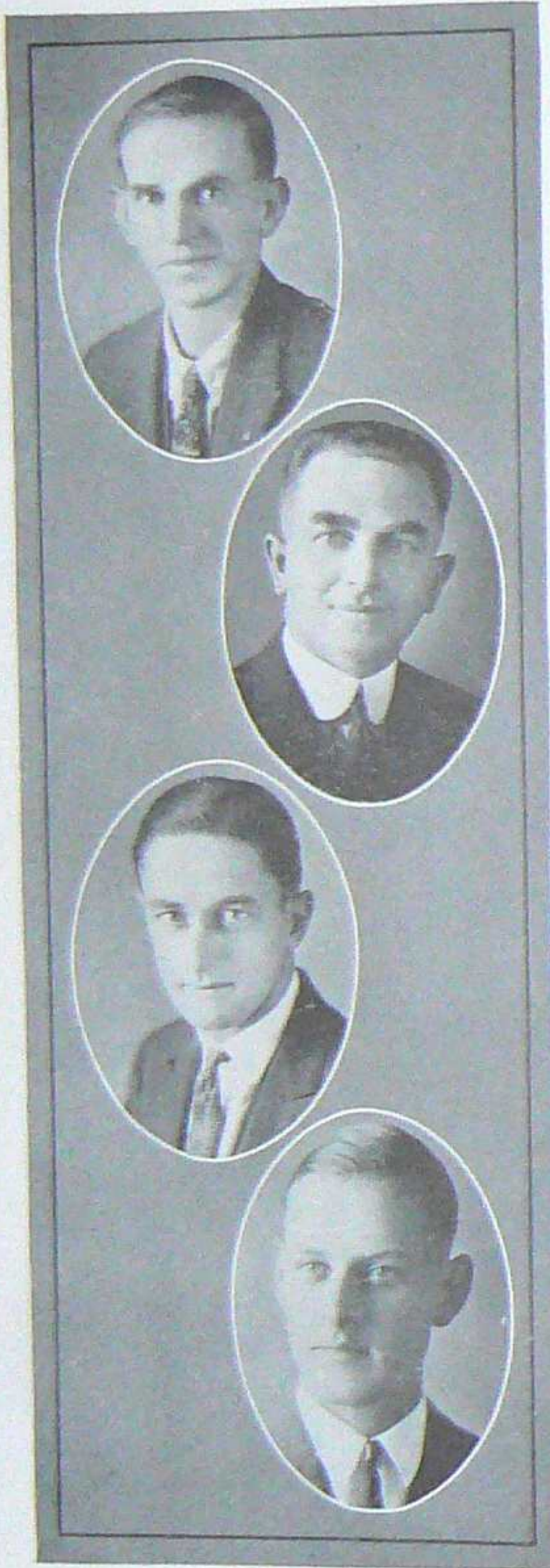
Geological Engineering

Sec. & Treas. A. A. '25, Sec. Student Council '25, Varsity Basketball '24, Varsity and Class Basketball '24 and '25, Member A. A. E., "M" Club, and Cooney Mining Club.

WILLIAM P. GAMBON
BLOOMINGTON, ILLINOIS

Mining Engineering

Circulation Manager GOLD PAN '25, Varsity Basketball '24, Member A. A. E., "M" Club and Cooney Mining Club, Class Basketball and Baseball.



LESLIE K. GOFORTH
SILVER CITY, NEW MEXICO

Mining Engineering
Member A. A. E., and Cooney Mining Club, Class Baseball.

CARL JOHANNES MAMERS
SOCORRO, NEW MEXICO

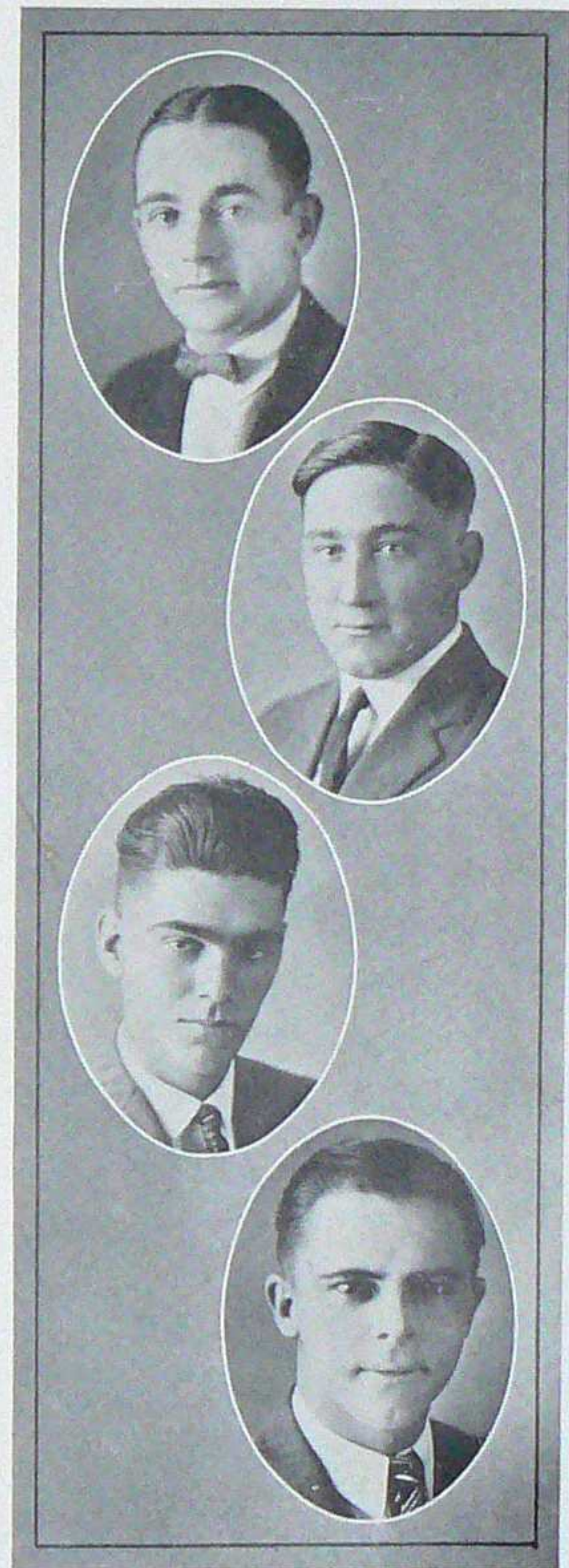
Chemistry, Assaying and Surveying
Member A. A. E., and Cooney Mining Club.

JOHN WILLIAM MARTIN
COATESVILLE, PENNSYLVANIA

Mining Engineering
Cheer Leader '25, Member A. A. E., and Cooney Mining Club.

JACK MARTIN
MURPHY, CALIFORNIA

Mining Engineering
Sec. & Treas. "M" Club '25, Business Manager GOLD PAN '25, Varsity Basketball and Baseball '24 and '25, Member A. A. E., "M" Club, and Cooney Mining Club, Class Basketball and Baseball.



HOWARD FRANCIS MURPHY
PITTSBURGH, PENNSYLVANIA

General Science

Class Treas. '23, Member Student Council '23, Cheer Leader '25, Member A. A. E., and Cooney Mining Club, Class Basketball and Baseball.

WILLIAM CARLOS POWELL
HUNNEWELL, MISSOURI

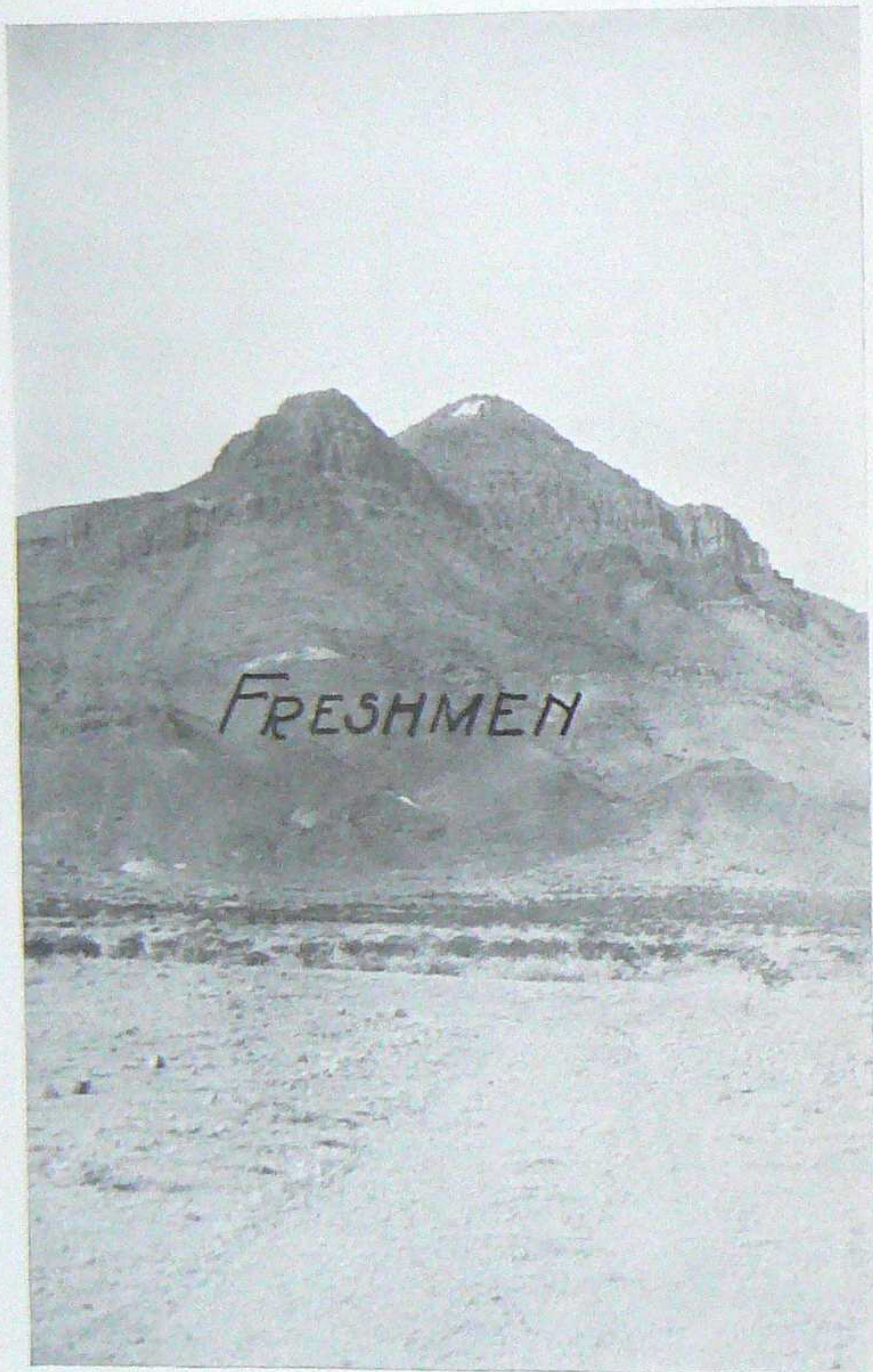
Mining Engineering
Member A. A. E., and Cooney Mining Club, Class Basketball and Baseball.

STANTON LINDSEY TAITER
BUSHNELL, ILLINOIS

Mining Engineering
Member A. A. E., and Cooney Mining Club, Class Basketball and Baseball.

THOMAS PEYTON WOOTTON
HAZARD, KENTUCKY

Mining Engineering
Member A. A. E., and Cooney Mining Club.



NORMAN FEE

ROSWELL, NEW MEXICO

Metallurgical Engineering

Class President '25, Member A. A. E., and Cooney Mining Club, Varsity Basketball '25, Class Basketball and Baseball '25.

GEORGE A. RYAN

SCHENECTADY, NEW YORK

Mining Engineering

Class Sec. & Treas. '25, Member A. A. E., and Cooney Mining Club, Varsity Basketball '25, Class Basketball and Baseball '25.

WILLIAM BOVIO

CHIHUAHUA CITY, CHIHUAHUA, MEXICO

Metallurgical Engineering

Member A. A. E., and Cooney Mining Club.

CECIL AMIS

LEBANON, KANSAS

Mining Engineering

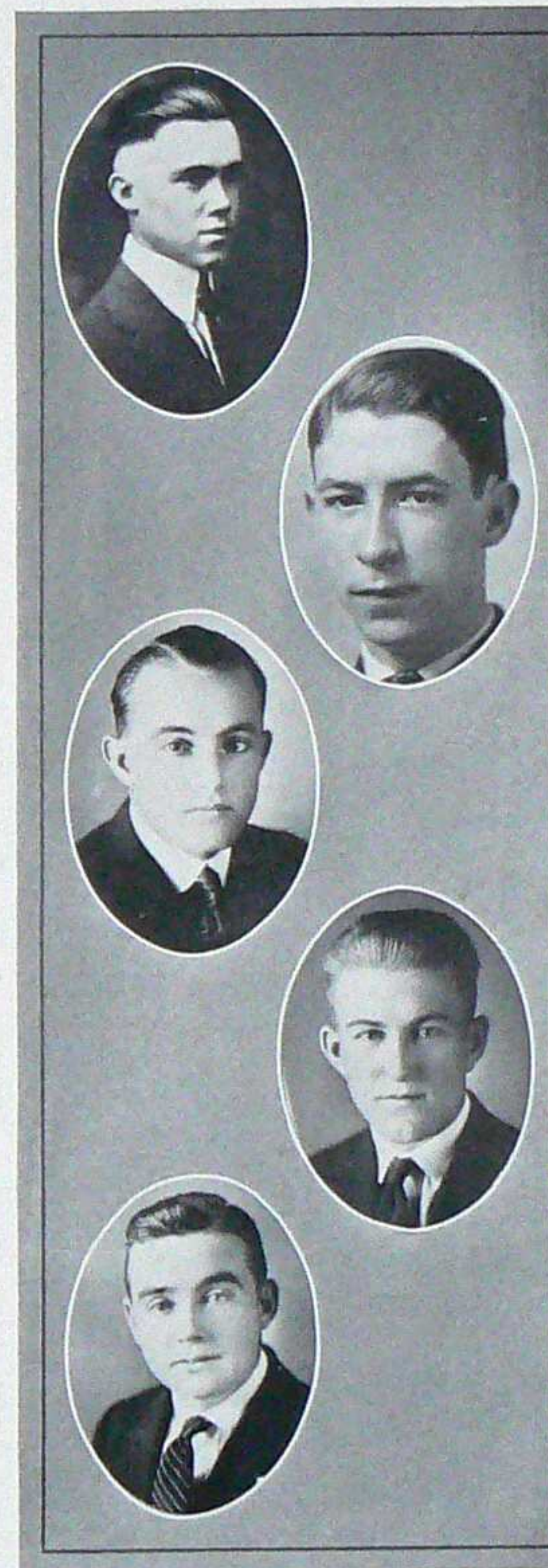
Member A. A. E., and Cooney Mining Club, Class Baseball.

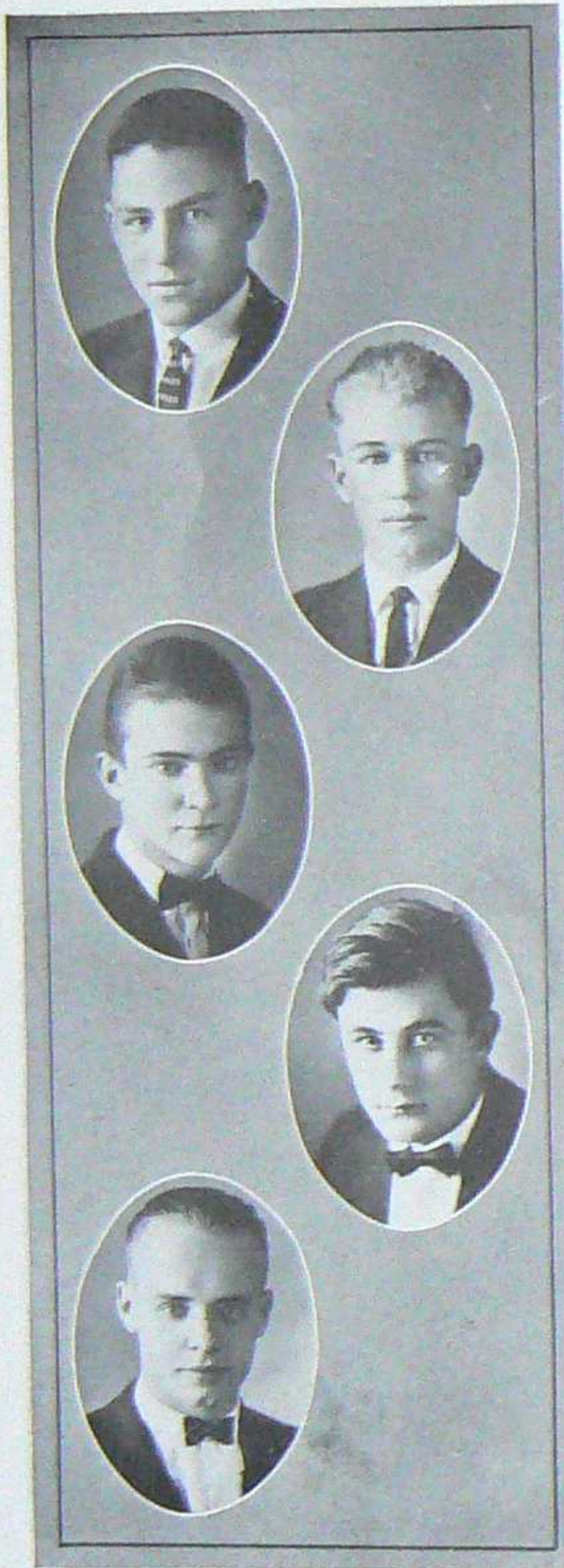
J. GORDON GAMBON

BLOOMINGTON, ILLINOIS

Metallurgical Engineering

Member A. A. E., and Cooney Mining Club.





LOUIS E. GIRAULT
MEXICO CITY, MEXICO

Mining Engineering

Member A. A. E., and Cooney Mining Club.

GORDON HERKENHOFF
SOCORRO, NEW MEXICO

Mining Engineering

Chairman Class Social committee, Member A. A. E., and Cooney Mining Club, Class Basketball and Baseball.

CHARLES HIGDON
LEITCHFIELD, KENTUCKY

Mining Engineering

Member A. A. E., and Cooney Mining Club.

JOHN ARCHER HARRIS
PORTLAND, OREGON

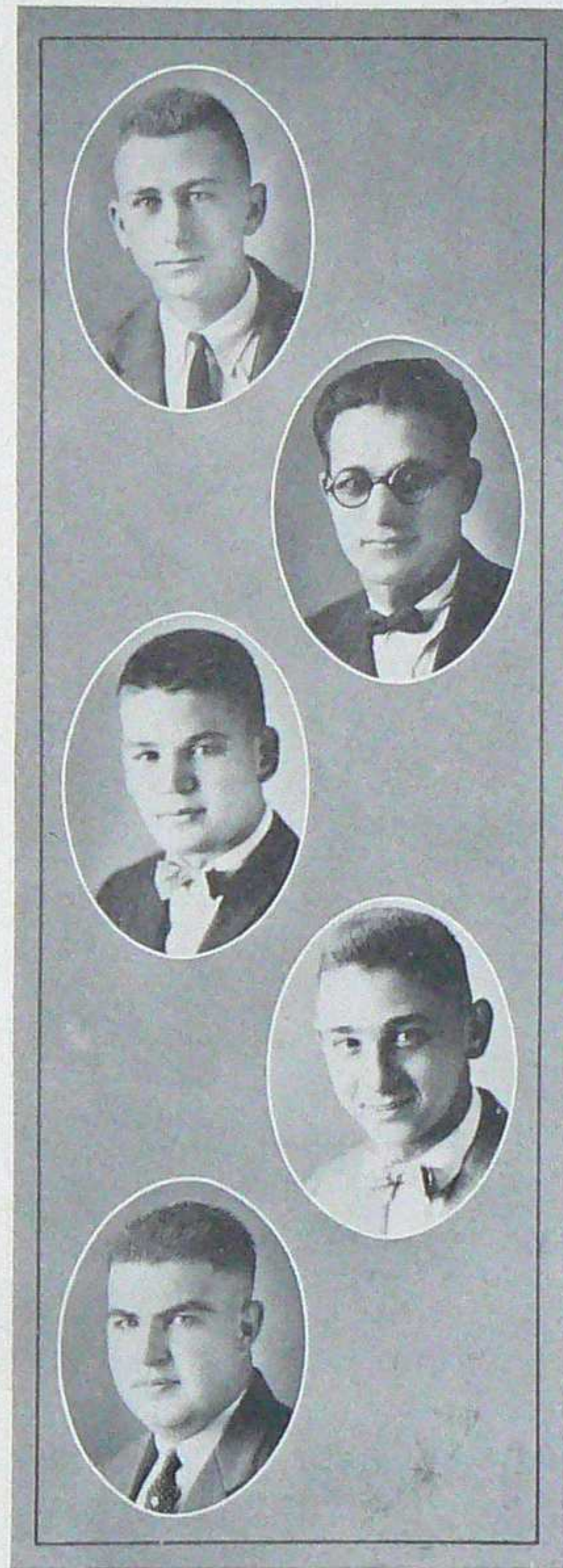
Geological Engineering.

Member A. A. E., and Cooney Mining Club.

KENNETH V. N. HARRIS
SCHENECTADY, NEW YORK

Metallurgical Engineering

Manager Class Baseball, Member A. A. E., and Cooney Mining Club.



MERRIL HOXIE
SCHENECTADY, NEW YORK

Mining Engineering

Member A. A. E., Entertainment Committee, Member A. A. E., and Cooney Mining Club, Class Basketball.

JOSEPH JACKSON
JERSEY CITY, NEW JERSEY

Metallurgical Engineering

Member A. A. E., and Cooney Mining Club.

JOHN PAUL MYATT
PASSAIC, NEW JERSEY

Mining Engineering

Member A. A. E., and Cooney Mining Club, Varsity Basketball '25, Class Basketball and Baseball.

CORNELIUS MEYER
SCHENECTADY, NEW YORK

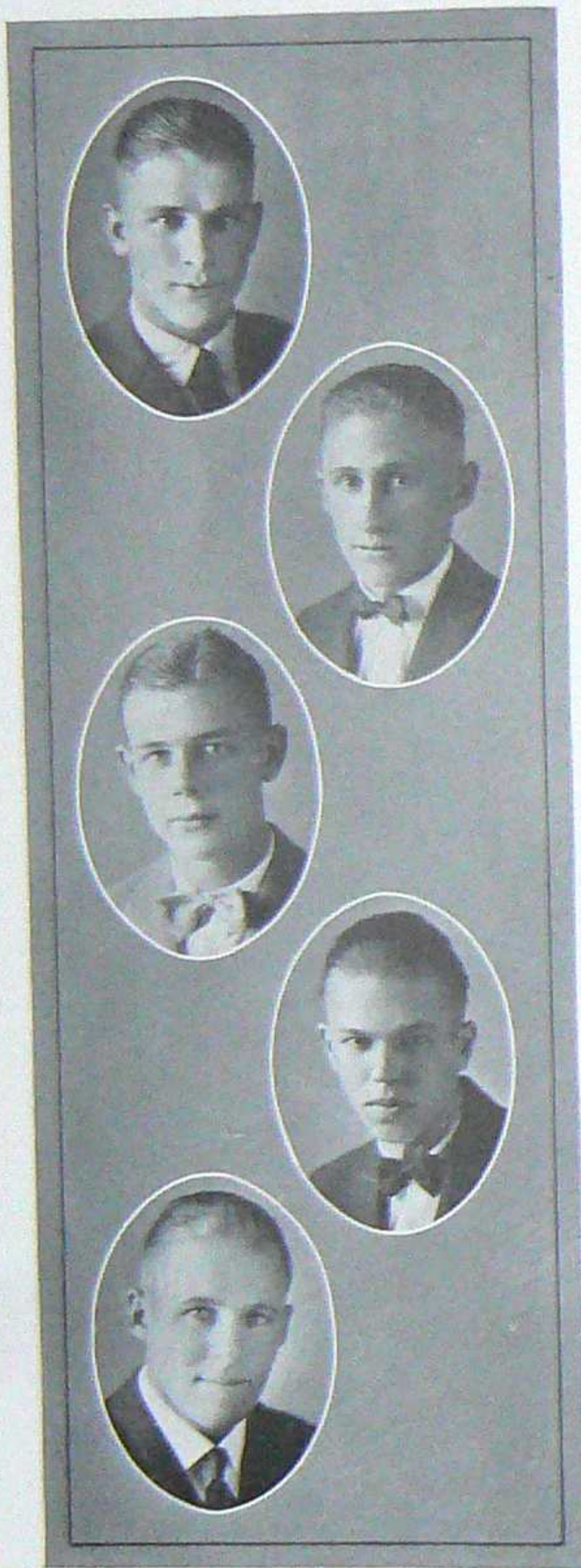
Mining Engineering

Cheer Leader '25, Member A. A. E., and Cooney Mining Club.

CHARLES E. NEUHAUS
SCHENECTADY, NEW YORK

Geological Engineering

Member Student Council '25, Capt. Class Baseball '25, Member A. A. E., and Cooney Mining Club, Class Basketball and Baseball.



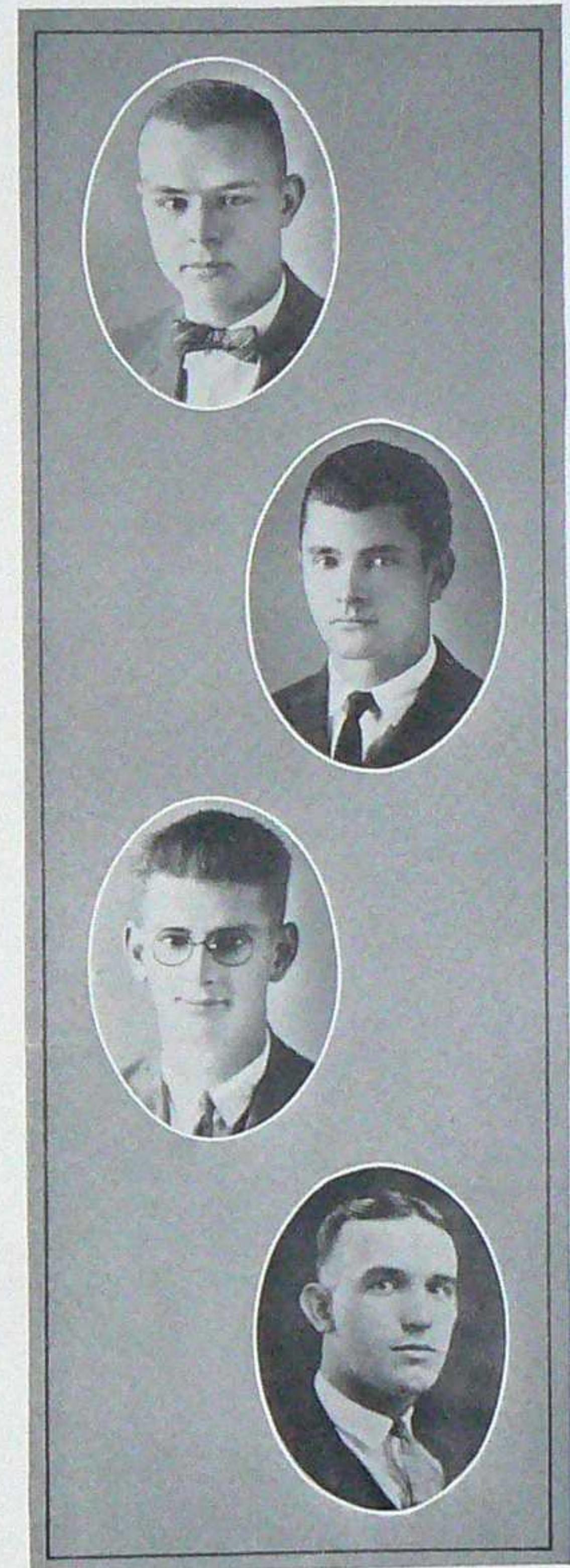
EARL BIRD
MELLONES, CALIFORNIA
Mining Engineering
Member A. A. E., and Cooney Mining Club.

LOUIS STEELE
GLENDALE, CALIFORNIA
Mining Engineering
Member A. A. E., and Cooney Mining Club.

WILLARD SMITH
SANTA FE, NEW MEXICO
Mining Engineering
Member A. A. E., and Cooney Mining Club, Class Basketball.

RUSSEL THOMPSON
MUNCIE, INDIANA
General Science
Member A. A. E., and Cooney Mining Club.

GARNET RINGSMITH
LOS ANGELES, CALIFORNIA
Mining Engineering
Capt. Class Basketball '25, Member A. A. E., and Cooney Mining Club, Class Basketball and Baseball.



BUDD LANDON
CHICAGO, ILLINOIS
Mining Engineering
Member A. A. E., and Cooney Mining Club, Class Baseball.

FRED L. KNOUSE
WINSTON-SALEM, NORTH CAROLINA
Geological Engineering
Member A. A. E., and Cooney Mining Club.

H. G. MURDOCK
LOS ANGELES, CALIFORNIA
Geological Engineering
Member A. A. E., and Cooney Mining Club.

J. GERALD CRONIN
ROCHESTER, NEW YORK
Mining Engineering
Member A. A. E., and Cooney Mining Club, Varsity Basketball '25, Class Basketball and Baseball.



JOHN BOYLE

WALSENBURG, COLORADO

Assaying and Mine Surveying

Member A. A. E., and Cooney Mining Club.



J. A. LEWEDAY

SILVER CITY, NEW MEXICO

Applied Surveying

Member A. A. E., and Cooney Mining Club.



LUKE ZACHAROFF MULIARCHIK

ROCKFORD, ILLINOIS

Applied Surveying

Member A. A. E., and Cooney Mining Club.



FRANK ROBINSON

COLORADO CITY, TEXAS

Special Courses

Class Baseball, Member A. A. E., and Cooney Mining Club.



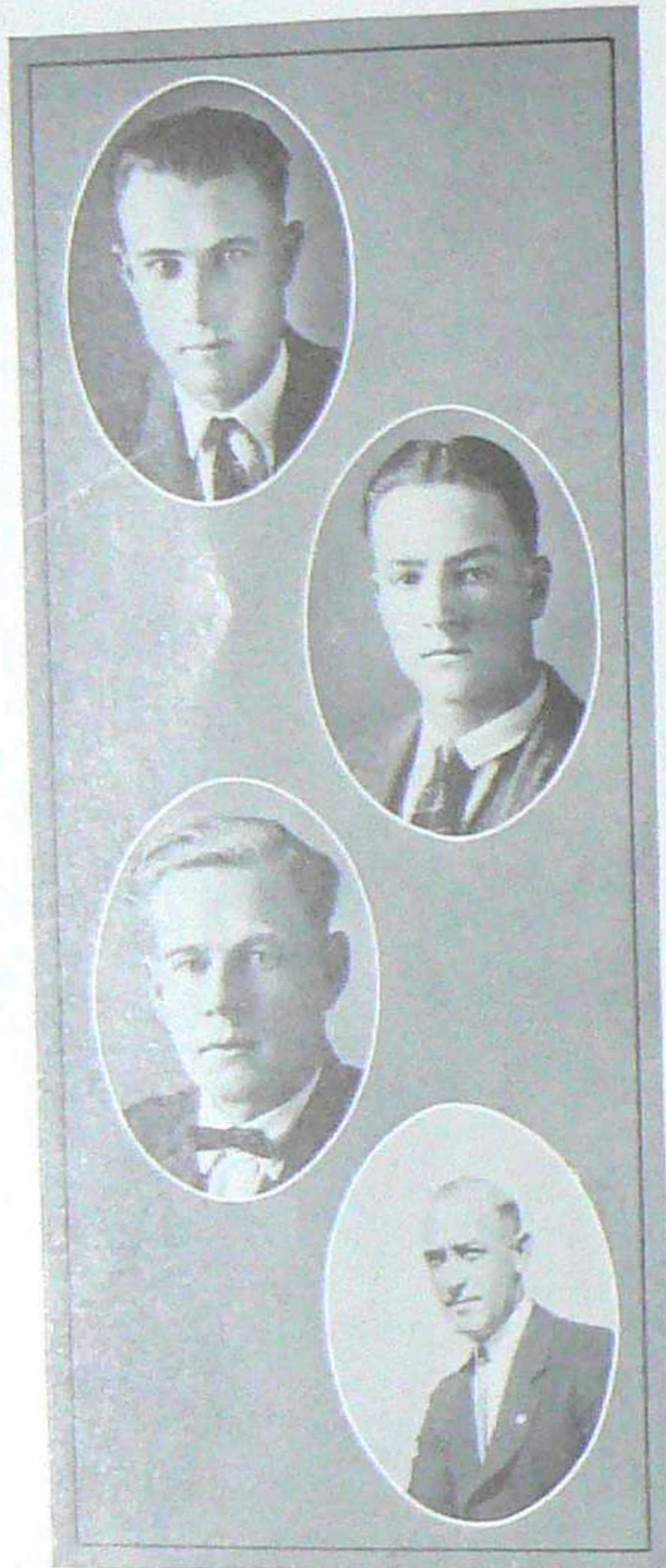
I. WORTHINGTON TURNER

SILVER CITY, NEW MEXICO

Special Courses

Member A. A. E., and Cooney Mining Club.





NORVAL LAY WALKER

LOGAN, NEW MEXICO

Applied Surveying

Member A. A. E. and Cooney Mining Club.

ELMER WILSON

MALVERN, PENNSYLVANIA

Academic subjects

Member A. A. E. and Cooney Mining Club.

ODEON A. WINJUM

WILLOW LAKE, SOUTH DAKOTA

Applied Surveying

Member A. A. E. and Cooney Mining Club.

WILLIAM E. WEST

CHURCHILL, IDAHO

Applied Surveying

Chairman A. A. E. membership committee, Member A. A. E., Cooney Mining Club, and "M" Club, Varsity Baseball '24.

RALPH WALDO BURNWORTH

CANTON, OHIO

Applied Surveying

Member A. A. E., and Cooney Mining Club.

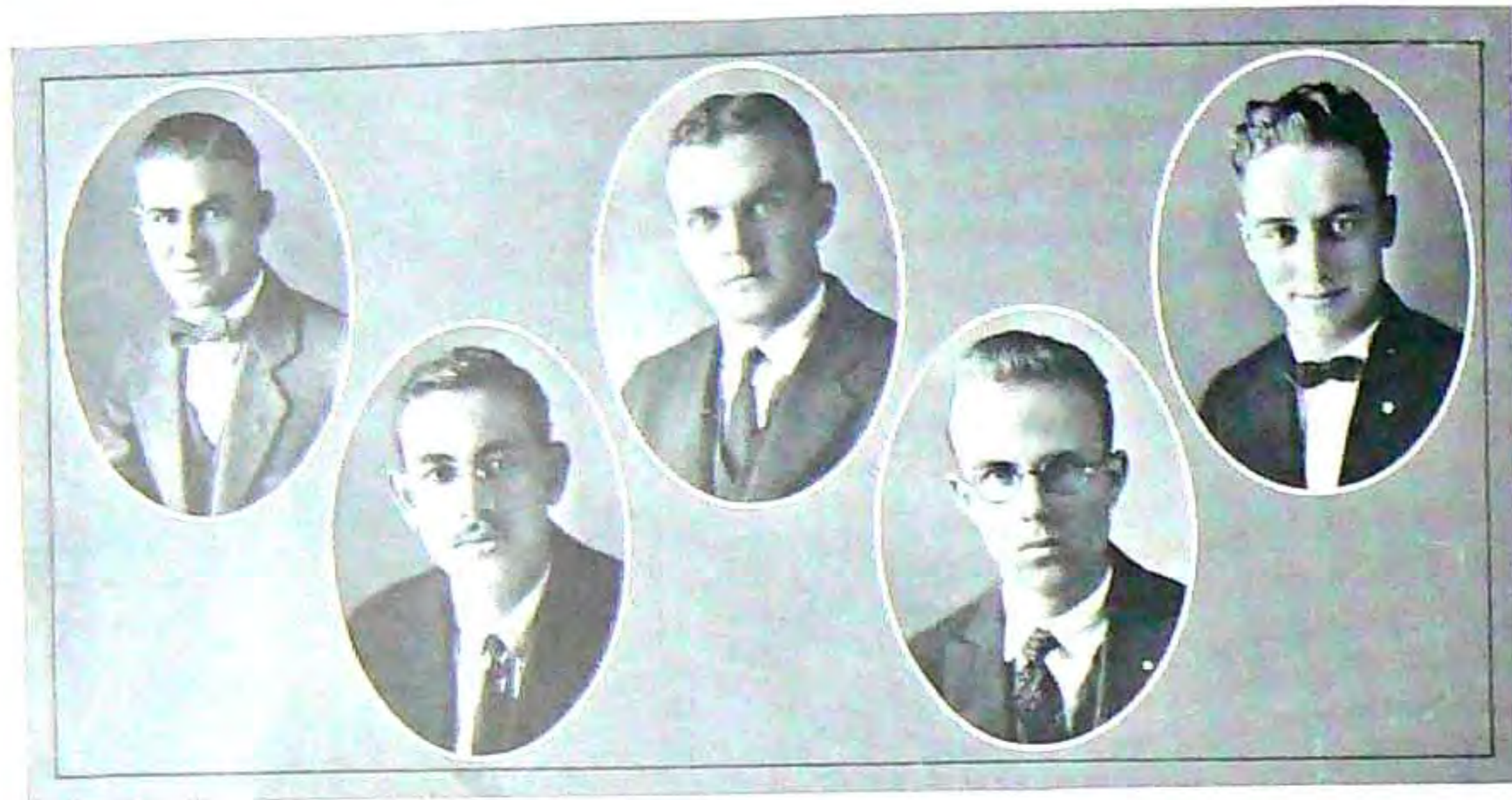
R. A. GALLAGHER

COLUMBUS, NEW MEXICO

Applied Surveying

Member A. A. E., and Cooney Mining Club.





WILLIAM EMERICK
Secretary

JACK E. FYFE,
President

CHARLES F. PARK
Vice-President

WILLIAM W. STAFFY

ARLO C. HATFIELD

THE STUDENT COUNCIL

CHARLES NEUMER

JACK MARTIN

C. W. JIST

RAYMOND G. BROWN

DON E. WILSON



THE ATHLETIC ASSOCIATION

The Athletic Association of the New Mexico School of Mines was organized for the purpose of controlling student affairs. "Student Affairs" includes all branches of athletics, social events and other student activities. The officers of the association consisted of a president, vice-president, and secretary and treasurer, all elected by a majority vote of the entire student body. Meetings were held weekly and all business transacted at these meetings according to the usual parliamentary procedure. These weekly meetings were held at a regularly designated time and usually lasted about an hour. There is no question that this method of procedure is the most democratic method of control, but in spite of this fact, the results were not entirely satisfactory, due primarily to a lack of interest on the part of some and an aversion to publicly voicing an opinion on the part of others.

To correct this condition a new constitution was adopted and is at present in force. The prime purpose of the new constitution, as is the purpose of all others, is the assurance to all that the will of the majority shall carry in all matters. It is conceded, however, that there are certain rights that must be considered in apportioning the control of the authority which the association wields.

With these facts in mind the new constitution was drawn up, and embodied the radical change that the authority heretofore vested in the entire student body should be placed in the hands of ten men. The officers of this body, known as the Student Council, were to consist of a president, vice-president, and secretary treasurer elected by popular vote of the entire student body. The election of the remaining members of the council was to be held by classes, the senior class electing three members, the junior class two members and the sophomore and freshman classes each electing one member. In this manner an executive body has been built up which effectively represents classes and students and is of a size which permits of rapid and efficient handling of all business. It has been the policy of the student council in exercising its control of the Gold Pan, the monthly student publication, and of the Porphyry, the annual, to select a man able and willing to assume the responsibility of the editorship and then allow him to exercise full authority in choosing his staff and conducting his publication.

Athletic managers of the various teams have been elected by popular vote in all cases. Captains of teams are elected by men who have their "M" at the end of each team's season. This policy of selecting men has met with entire success, having resulted in the whole-hearted cooperation of all.

The money controlled by the student council consists of the athletic association fees. A monthly statement of the account is kept posted on the bulletin board. Additional money appropriated by the board of regents for athletics is kept separate from regular dues and is controlled by a special committee composed of a member of the board of regents, the coach, and the captain and manager of the team concerned. This money is handled in this manner to facilitate the accounting rendered as to the cost of the team trips.

Swimming meets and tennis tournaments are arranged and managed by the athletic association and prizes given are paid for out of regular athletic association fees. Social events, such as smokers and dances, are cared for by the entertainment committee appointed by the student council. Freshman initiations are modified by the council, if necessary, by requiring the sophomores to submit a complete list of contemplated sentences before the "Kangaroo Court" is set in action.

This new form of student control has now passed the experimental stage, having been in effect a full school year, and although not a model or complete in the full sense of the word, will doubtless be modified and worked over until a very satisfactory system results.



ARLO C. HATFIELD
President

DON C. WILSON
Vice-President

HARRY O'FARRELL
Secretary-Treasurer

AMERICAN ASSOCIATION OF ENGINEERS

Although the New Mexico School of Mines chapter of the American Association of Engineers is by several years the youngest of the organizations in the school its brief history can be favorably compared with the oldest. The smokers, dinners, and interesting "talks" on timely and instructive topics which are given under its auspices, have made its success of interest to every student. "Service to the Student Engineer," has been the guide-post for its officers. It has endeavored to make itself beneficial to the students in every possible way. Social entertainments, the developing of self confidence, and the promotion of good fellowship have claimed the major portion of its activities. With such utopian principles there is little reason to wonder at the progress made in the three years of the existence of this chapter.

In the early fall of 1922; Mr. Hugo Marek, Jr. and Mr. John P. Amos began a drive to enlist interest in the organization of a chapter of the American Association of Engineers at the School of Mines. As the weeks passed enthusiasm heightened and with the capable aid of Professors J. W. Jourdan and W. G. Ramlow some thirty students pledged themselves to join. On December 15, 1922, a general assembly was called and a club organized. Mr. Hugo Marek, Jr. was elected president, Mr. John P. Amos, vice-president and Mr. Don N. Wilson, secretary-treasurer. The executives were then empowered to act as a committee to draw up a constitution and by-laws and to petition the American Association of Engineers to recognize the club.

On February 2, 1923, a petition carrying thirty-five names and a copy of the Constitution and By-laws were forwarded to National Headquarters. On March 31, 1923, the National Association granted the club a charter which officially created the New Mexico School of Mines Chapter, with a total of thirty-five charter members.

Because of the lack of finances and the proximity to the close of school, the chapter remained more or less inactive for the remainder of the year.

In September 1923, Mr. John P. Amos was elected president, Mr. W. W. Staley, vice-president and Mr. Raymond G. Brown, secretary-treasurer. A smoker was given in October and while interest and enthusiasm were still high a drive for a 100% membership was inaugurated. By the following January the goal had been attained and as a reward, the National Association presented a silver loving cup, through the person of Dean G. M. Butler, of the University of Arizona.

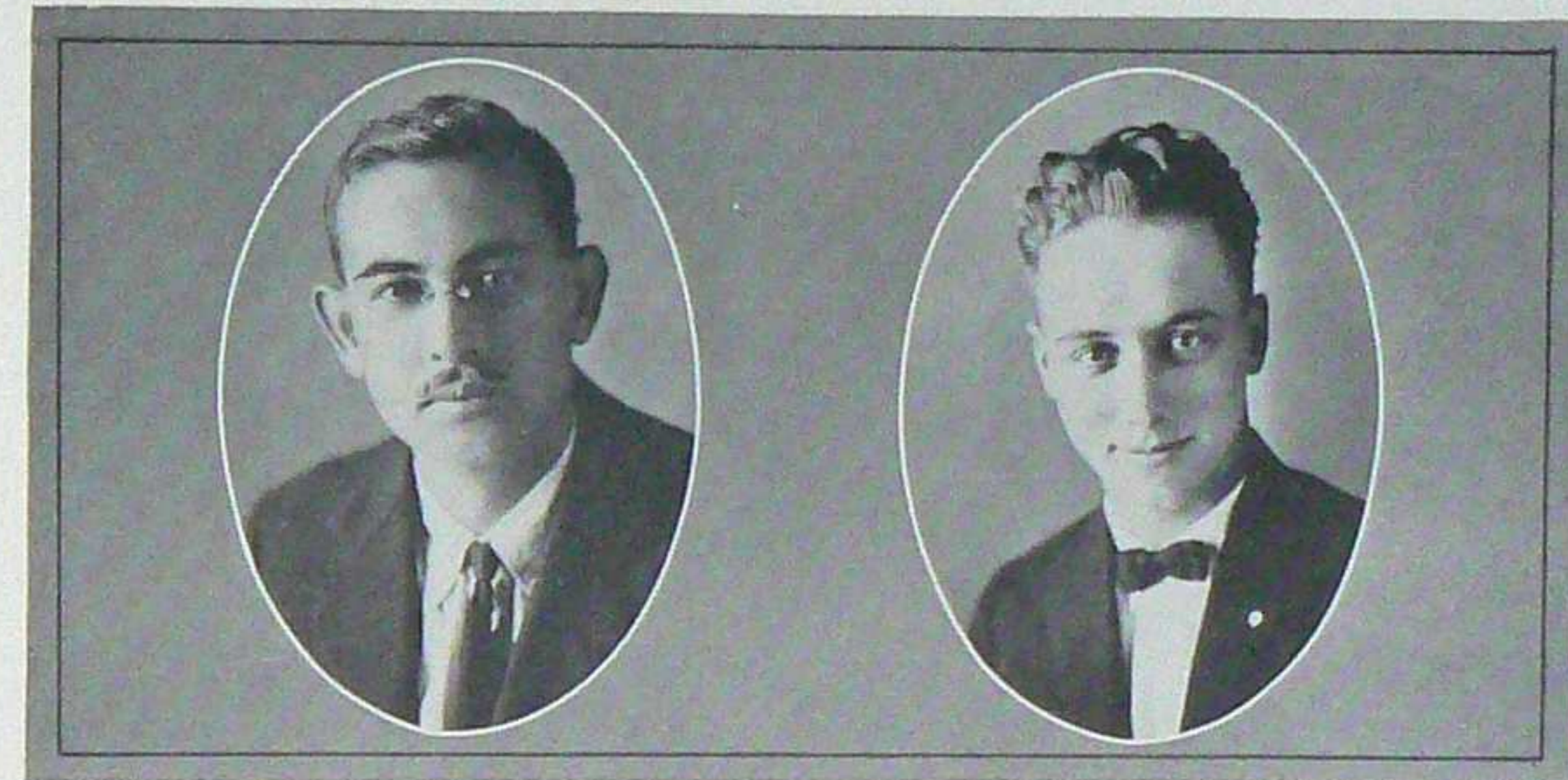
Bi-monthly meetings with talks by students claimed the attention until April, when in conjunction with the Athletic Association and the Cooney Mining Club, a "smoker" was given in honor of the New Mexico Chapter of the American Mining Congress.

In the meantime, the officers had presented a plan to the chapters at Albuquerque and State College to form a league in order that the chapters could cooperate and be of benefit to each other. This plan was approved by President Butler of the Southwestern District but failed to be approved by one of the chapters concerned. However, this idea is not entirely dead and the future may see a materialization of the proposed league.

In May, Mr. Arlo C. Hatfield was elected president, Mr. Don E. Wilson, vice-president and Mr. John P. Amos, secretary-treasurer. The executive committee met immediately, appointed necessary committeemen, and discussed activities for the coming year.

When school opened in September, 1924, the chapter worked like a clock, new and old members were signed up without delay, and the school again saw a 100% chapter. An attendance chart, which graphically illustrated the attendance record of each member and the percent of members present at each meeting, was kept and greatly aided in boosting the attendance of the meetings. A program of dinners and smokers was adopted by the officers and these also were and have been largely attended.

Aside from its regular business of entertaining and promoting good fellowship, the chapter has endeavored to lend its services to the faculty and student council in matters pertaining to the welfare of the school. The American Association of Engineers is an organization with a definite and worthy goal before it, and the New Mexico School of Mines is proud to have a chapter.



WILLIAM W. STALEY
President

CHARLES F. PARK
Secretary

THE COONEY MINING CLUB

The Cooney Mining Club was founded in 1919. The club is named after Captain M. Cooney, a Civil War veteran, territorial legislator, and mining man. Captain Cooney lost his life in 1915 while on a prospecting trip in the Mogollon Mountains.

The object of the Cooney Mining Club is to further the interests of the students in the mining profession. Outside mining men and members of the faculty are called on from time to time to give short talks on their chosen work.

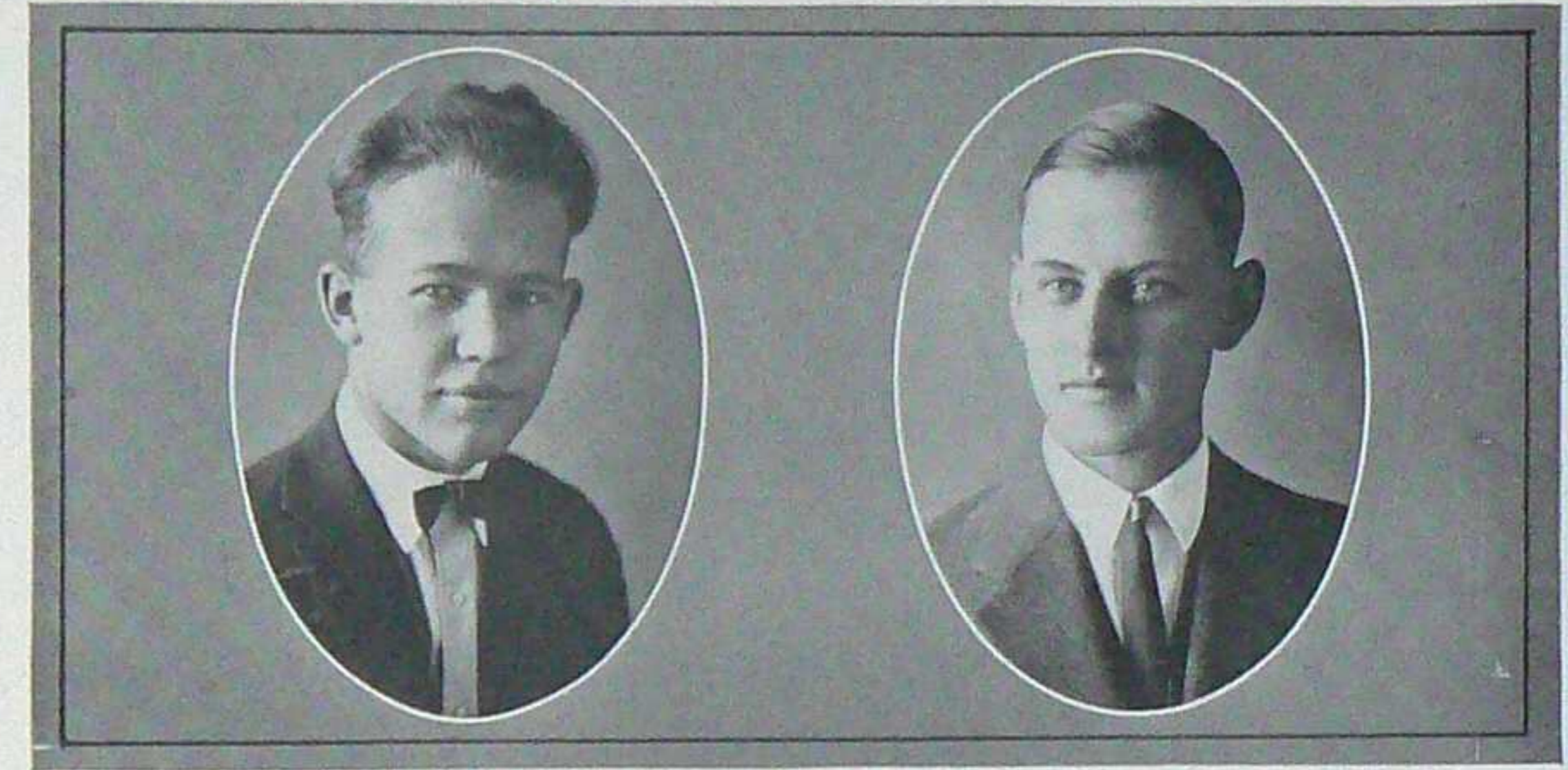
The Cooney Mining Club is the affiliated student society of the American Institute of Mining and Metallurgical Engineers. Through the club, students are enabled to become Junior Associate Members of the Institute. There are no dues and all the students registered at the school for a degree are eligible for membership in the parent organization.

The officers consist of a president and a secretary. A monthly copy of the official organ, "Mining and Metallurgy" is mailed to the club free of charge.

The present officers are W. W. Staley, president, and Charles F. Park, secretary.

Every school has its particular society or club; the law school, its club of embryo lawyers, the medical school its corps of doctors-to-be, and the mining school its club for muckers, trammers, and the like. It denotes an interest on the part of the students in the subjects they are taking to organize a mining club and give it the proper support. There is nothing that can give a man a better understanding of some of the problems than to have them discussed in an open meeting. Lectures on the part of men out in the field are also a great help to the student. Whenever anyone connected with the mining game in any capacity is in the immediate vicinity of the school he is prevailed upon to give us a short talk. This does not always take place before the entire club, but in some cases before a certain class or other. For instance, a former student or graduate is passing through town on his way elsewhere; he is nabbed and made to talk—and they always do, too. It seems a shame to ask some of these men to talk, but the surprising part of it is, that they are in every case ready to acquiesce. We learn something from each of them—things not contained in texts and other matters that never will be found in books. Educational films sent out by the United States Bureau of Mines are also shown occasionally and much knowledge is gleaned in this manner.

Each school should have its particular and appropriate society or club. It helps the school, the club, and the student. We are backing our Cooney Mining Club to the limit.



PAUL L. ROUNDS
President

JACK MARTIN
Secretary

THE "M" CLUB

The "M" Club was founded in the spring of 1924 by the members of that season's basketball team. The club is composed only of those men who have earned their school letter in some form of varsity athletics.

It is the purpose and object of the club to foster interest in school athletics, both inter-class and inter-collegiate, and to encourage good sportsmanship along these lines.

Regular meetings are held once every semester and special meetings are called whenever the occasion warrants.

OFFICERS

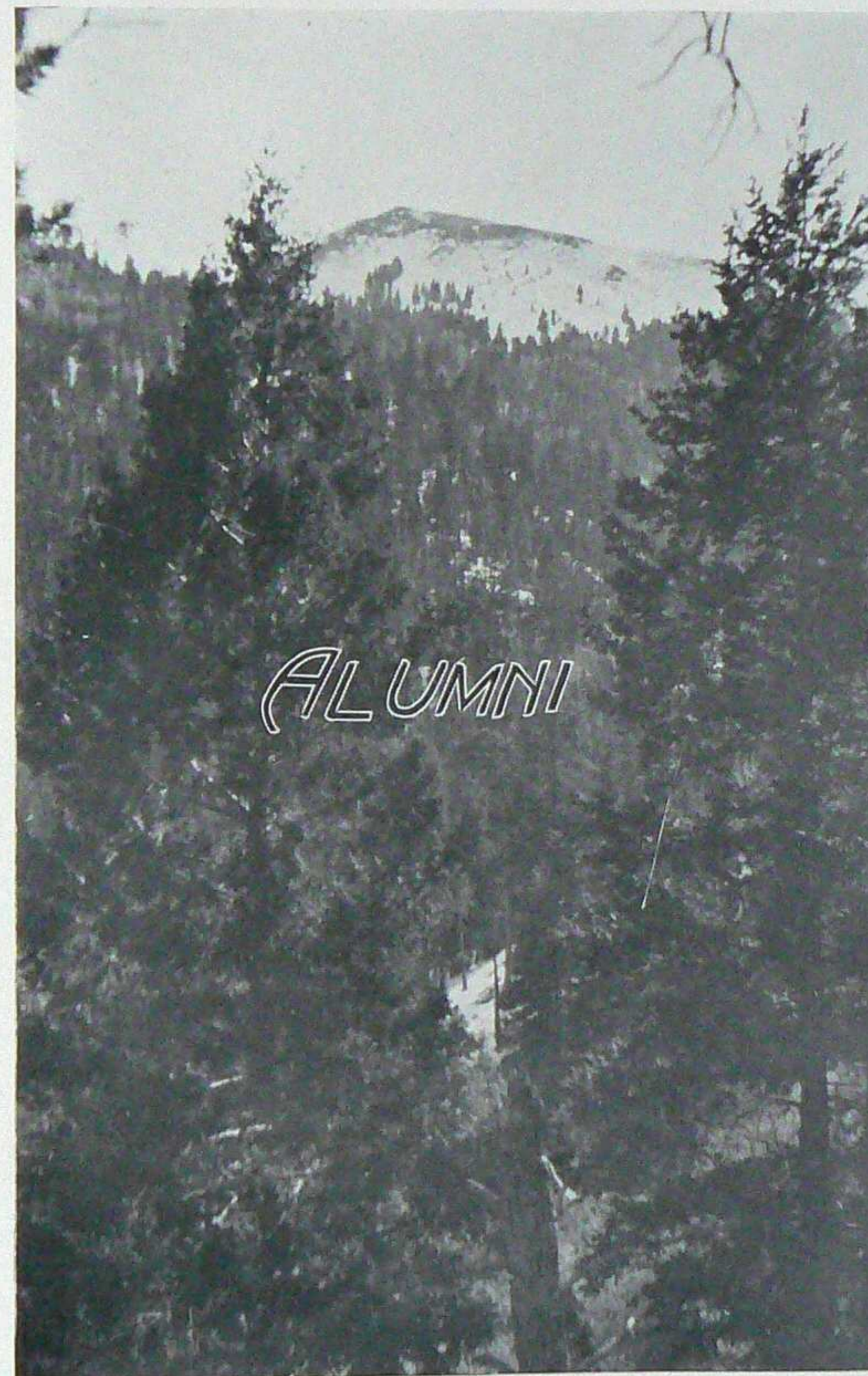
President	PAUL L. ROUNDS Basketball 1924
Secretary	JACK MARTIN Basketball 1924 Baseball 1924

MEMBERS

CHARLES F. PARK Basketball 1924 Baseball 1924	T. A. REICH Basketball 1924 Baseball 1924
WILLIAM L. EMERICK Basketball 1924	GERALD J. BALLMER Baseball 1924
JACK E. FYFE Baseball 1924	WILLIAM W. STALEY Baseball 1924
STANLEY A. MAYER Baseball 1924	WILLIAM E. WEST Baseball 1924
WILLIAM P. GAMBON Basketball 1924	RAYMOND G. BROWN Mgr. Basketball 1924

HONORARY MEMBERS

PROF. A. S. WALTER Basketball Coach 1924	PROF. A. R. FERGUSON Athletic Director 1925
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The Alumni Association of The New Mexico School of Mines

The Alumni Association of the New Mexico School of Mines was organized Friday, May 18, 1923. This memorable act took place the day that the large class of 1923 received their diplomas. The first officers were: Ward F. Hamm, '23, president; T. B. Everheart, '10, vice-president; Cecil Rowe, '21, secretary-treasurer.

The second meeting of the association was held May 19, 1924. At this gathering the officers for the year 1924 were elected. They are: George E. Danley, '24, president; D. A. R. Thompson, '24, vice-president; Cecil Rowe, '21, secretary-treasurer. The next meeting will be held on Commencement Day, 1925. There are approximately 70 members of the association.

ALUMNI SECTION

- BARTLETT**, Sidney S., Cia Sta. Gertrudis, S. A., Pachuca, Hidalgo, Mexico, Apt. "L." B. S. in General Science, 1924. "Sid" has been doing underground and surface surveying.
- BERRY**, James Fielding, Cia Sta. Gertrudis, S. A., Pachuca, Hidalgo, Mexico. Attended school from 1903 until 1905. Mr. Berry has risen to be General Superintendent of Mines.
- BLACKBURN**, Alexander Louis, Box 806, Jerome, Arizona. B. S. in Metallurgy, 1918. Mr. Blackburn is now Chemist for the United Verde Copper Company.
- BROWN**, H. L., 411 Foster Building, Denver, Colorado. Attended school 1903-1905. Consulting Mining Engineer, The American Metals Company, Limited.
- CAMPREDON**, Philip A., Socorro, New Mexico. B. S. in Mining Engineering, 1914. "Phil" is Manager of the H. Chambon Estate.
- COLLINS**, Courtney T., Superior, Arizona. B. S. in Mining Engineering, 1924. Junior Engineer, Magma Copper Company.
- EVERHEART**, T. B., Socorro, New Mexico. Attended school 1905-1907. Mr. Everheart is connected with various mining enterprises in and around Socorro, New Mexico.
- FAHRENWALD**, Arthur William, Moscow, Idaho. Engineer of Mines, 1916. Ore Dressing Engineer, United States Bureau of Mines, in charge of Moscow, Idaho station. Inventor of "Fahrenwald Classified," E&MJ-P, Jan. 17, 1925.

- FUHR**, Frank B., Saltillo, Coahuila, Mexico. B. S. in General Science, 1924. Assistant Engineer with the Mazapil Copper Co.
- GRAY**, Bundy M., El Tigre, El Molino, Sonora, Mexico. Special student 1920-1922. Mr. Gray was Assistant Mill Superintendent with the El Tigre Mining Co. Word has just been received of the sudden death of Mr. Gray on March 21, 1925. His many friends mourn his departure.
- GREENE**, Gerald Ulmont, California, Iowa. B. S. in General Science, 1923. M. S., University of Utah, 1924. Mr. Greene specialized in Metallurgy and Geology at Utah and is now chemist with a copper mining company at Morenci, Arizona.
- GUNTER**, John B., Porterville, California. B. S. in General Science, 1922. Head of Science Department, Porterville Union High School. Died 1924.
- GOODWIN**, William P., Hemphill, West Virginia. Engineer of Mines, 1910. Mr. Goodwin is Superintendent of the Kingston Pocahontas Coal Company mines in Hemphill, W. Va. and since he has held this position production has increased with a decrease of cost.
- HAMM**, Ward Fenton, Pilares de Nacozari, Sonora, Mexico. B. S. in Mining Engineering, 1923. Hamm is in the engineering department of the Montezuma Copper Company. For awhile he was acting as drill instructor and then he was appraising ground. The last we heard from him he was shaft engineer.
- HOBART**, Edmund Norris, 1112 Mills Building, El Paso, Texas. B. S. in Mining Engineering and also B. S. in Metallurgical Engineering, 1910. Mr. Hobart is traveling representative for the Mexican Mining Department of the American Smelting and Refining Co.
- HENDERSON**, John S., Jerome, Arizona. B. S. in General Science, 1924. "Hendy" is assistant engineer with the United Verde Copper Co. at Jerome.
- GENG**, Gee Hong, Changsha, Hunan, China. B. S. in Mining Engineering, 1923. Geng prepared himself for the Mining profession so that he could go back to his native land and apply better engineering practice. To this end he gained some valuable experience and he is now holding a responsible position with a Chinese company.
- MAREK**, Hugo, Box 644, 210 Don Caspar St., Santa Fe, New Mexico. B. S. in General Science, 1923. Hugo is an Engineer in the State Engineer's office. He is chief of a party that is doing topographic work in connection with oil geology and reclamation service.

- PETERSON, Nels Paul, Owatonna, Minn. B. S. in Metallurgical Engineering, 1920. Mr. Peterson has been actively engaged in the borax fields of California for several years.
- ROWE, Cecil, Tokay, New Mexico. B. S. in Mining Engineering, 1921; Engineer of Mines, 1923. Assistant Manager, Kinney Coal Mines, Tokay, New Mexico. Secretary Alumni Association.
- SHIPPS, Acil C., 1819 N. 8th St., Springfield, Illinois. B. S. in Mining Engineering, 1923. Junior Testing Engineer, Division of Highways, Bureau of Materials, State of Illinois.
- STRAND, Karl A., Hanover, New Mexico. Engineer of Mines, 1912. Mining Engineer with the Empire Zinc Company. Mr. Strand is actively engaged in field and examination work for his company.
- THOMPSON, David A. R., Hagen, New Mexico. B. S. in Geological Engineering, 1924. "Dave" is a mining engineer with the Hagen Coal Mines Co.
- WARNER, George Andrews, Box 845, Morenci, Arizona. B. S. in Mining Engineering, 1924. "Gawge" holds the position of "jigger boss."
- WILLIAMS, Charles Francis, 417 Cardin Bldg., Miami, Oklahoma. B. S. in Mining Engineering, 1921. Mining Engineer with the United States Bureau of Mines.
- LINCOLN, Francis Church, South Dakota State School of Mines, Rapid City, South Dakota. Engineer of Mines, 1904. Professor of Mining, South Dakota State School of Mines.
- CHELLSON, Harry Carl, 25 Willett St., Schenectady, New York. B. S. in Geological Engineering, 1923. Mr. Chellson is engaged in examination work in Mexico.
- KLEINER John L., Box 384, Gallup, New Mexico. Attended school 1918-1922. Engineer with the Gallup-American Coal Company.
- CLUM, William Harry, Socorro, New Mexico. B. S. in Mining Engineering, 1924. "Bill" is prospecting and doing independent mining in the neighborhood of Socorro.
- AMOS, John Pierpoint, Hagen, New Mexico. Attended 1922-1923. "Jawn" is with the Hagen Coal Mines as assistant engineer.
- EDELEN, Alexander W., Anganguero, Mich., Mexico. Attended school 1905-1906. Mr. Edelen is General Superintendent of the Anganguero Unit of the American Smelting and Refining Co.

- KRUG, Frederick, Box 368, San Juan, Porto Rico. Attended school 1916-1917. Superintendent of Power Production, Porto Rico Railway, Light and Power Company. He has charge of two hydro-electric plants, a steam plant, transmission system and substations. Formerly electrical engineer with the New York and the Honduras Rosario Mining Company and while there published an article in the E&MJ-P on the electrical equipment at this mine.
- LINCOLN, Charles T., High School, Stamford, Connecticut. Graduate student 1902-1903. Science teacher Stamford High School.
- SPEARE, Raymond E., New York and Rosario Mining Company, San Juancito, Honduras C. A. B. S. in Geological Engineering, 1924. Refinery foreman, assistant engineer on surface work. Transferred to Braden Copper Company, Rancagua, Chile, S. A. as Junior Engineer.
- SADOWSKI, Sigmund J., B. S. in Mining Engineering, 1924. Mining engineer for the American Metal Company at the Minas de Matahambre at Matahambre, Pinar del Rio, Cuba. At the present time "Sig" is a bridge detailer and designer on a large steel viaduct for the New Jersey State Highway Commission, Jersey City, N. J. The "bright lights" drew him.
- BEMIS, H. D., Climax, Colorado. Student 1906-1907. Mill Superintendent at Climax, Colorado.
- ABEYTA, A., Address unknown. B. S. in Metallurgical Engineering, 1914.
- AHNEFELDT, Ray C., deceased. B. S. in Mining and Civil Engineering, 1918.
- ANDERSON, E. C., Boulder, Colorado. B. S. in Mining Engineering 1917. General Engineer, Lakeside Construction Company.
- ABERNATHY, A. H., Monterey, N. L., Apartado 251, Mexico. Student 1898-1901 and 1914-1915. Sampling Mill Foreman, Cia Minera de Pinos.
- ANDREAS, A. H., JR., Caracas, Venezuela, S. A. Student 1915-1916 and 1919-1920. Assistant Geologist, West Indies Oil Company.
- BACA, Florentino, Lovelace, Nevada. B. S. in Mining Engineering, 1923. Engineering Department, Toulon Arsenic Company.
- BAER, George C., Pachuca, Hidalgo, Mexico. B. S. in Mining Engineering, 1910. Metallurgist, San Gertrudes Co.
- BALLARD, P. A., Washington, D. C. B. S. in Mining Engineering, 1916. Valuation Engineer, Income Tax Unit, Treasury Department.

- BATCHELDER, J. H., Hotel Soreno, Beach Drive, St. Petersburg, Florida. Hotel Manager.
- BENTLEY, T. H. Address unknown. Engineer of Mines, 1910. Formerly with E. I. DuPont de Nemours and Company, Carney's Point, N. J.
- BERRY, J. F., Pachuca, Hidalgo, Mexico. Student 1904-1905. General Superintendent, San Gertrudes Company.
- BIRCHBY, A. E., Barahona, Dominican Republic. B. S. in Geological Engineering, 1923. Geologist, Barahona Company.
- BLACK, Ralph C. Address unknown. B. S. in Geological Engineering, 1923.
- BRADBURY, Charles L., Concepcion del Oro, Zacatecas, Mexico. Assistant Superintendent, Mazapil Copper Company. B. S. in General Science, 1922.
- BURGESS, Frank C., Apartado 70, Chihuahua, Chihuahua, Mexico. B. S. in Geological Engineering, 1923. Engineering department, Compania de Penoles, S. A.
- BUTLER, W. F., Miami, Arizona. B. S. in Mining Engineering, 1923. Chief Raise Engineer, Inspiration Copper Company.
- CANNON, P. E., Ajo, Arizona. B. S. in General Science, 1921. Engineering department, New Cornelia Copper Company.
- CLARK, V. V. Address unknown. Student 1896-1898.
- CLOYD, J. D. Address unknown. Student 1899-1900.
- COCKERILL, Samuel. Address unknown. B. S. in Mining Engineering.
- COOK, H. A., Harrison, New Jersey. B. S. in Metallurgical Engineering. Illuminating Engineer, Edison Lamp Works, General Electric Co.
- COOPER, R. R., Palmerton, Pennsylvania. B. S. in Metallurgical Engineering, 1923. Metallurgical Department, New Jersey Zinc Co.
- DIXON, Willard Norris, El Paso, Texas. B. S. in General Science, 1923. Engineer, American Smelting and Refining Co.
- DOMINION, Leon. Address unknown. Graduate Student 1903-1904.
- FLEISSNER, L. E., Chicago, Illinois. B. S. in Mining Geology and Engineer of Mines in 1912. Office Manager and Superintendent of Construction, B. J. Bruns, Architect.

- GARDINER, T. M., Jr., 527 Merritt Ave., Oakland, California. B. S. in General Science 1923. Graduate Student, University of California 1923-1924.
- GERTZ, Carl F., Palmerton, Pennsylvania. B. S. in Metallurgical Engineering, 1923. Metallurgical Department, New Jersey Zinc Co.
- GIRARD, Joseph H., Silver Peak, Nevada. B. S. in Mining Engineering, 1923. Lessee, Lucky Boy Divide Mining Co.
- GOODJOHN, H. T. Address unknown. Student 1902-1903.
- HAMMOCK, Hugh Mc., Paramaribo, Dutch Guiana, S. A. B. S. in Geological Engineering, 1923.
- HAMMEL, E. C. Deceased. B. S. in Geological Engineering.
- HAMMEL, Francis U., El Paso, Texas. B. S. in Geological Engineering, 1923. Engineer with United States Border Commission.
- HINES, Rue N. Deceased. B. S. in Mining Engineering, 1907.
- HOMME, C. J., Milwaukee, Wisconsin. Assayer and Chemist Diploma, 1900. Clerk, Registry Section, Main Post Office, Milwaukee, Wis.
- HOWELL, H. A. Address Unknown. Student 1900-1905.
- HUNTER, J. A., Toledo, Ohio. B. S. in Mining Engineering, 1903. Construction Engineer, Standard Oil Company.
- INGUNZA, Pablo Marochoca, Peru, S. A., Student 1917-1921. Mining Engineer.
- JOHNSON, A. C., Ophir, Utah. B. S. in Mining Engineering, 1923. "Johnny" is with the Ophir Hill Consolidated Mining Co.
- KENNEDY, J. P., Jr., Los Angeles, California. Student 1917-1923. Inspector, Warren Brothers Company.
- JOHNSTON, R. W., Bartlesville, Oklahoma. B. S. in Geological Engineering, 1923. Engineering Department, The Empire Companies.
- KELLY, Leon W., Hastings, Colorado. B. S. in Mining Engineering, 1917.
- LECKLIDER, F. G., Walker, Arizona. B. S. in Geological Engineering, 1923. Mining Engineer, Sheridan Mining Company.
- LYONS, H. T., Ajo, Arizona. B. S. in Mining Engineering, 1912. Realtor.
- MALOIT, Frank, Gilman, Colorado. B. S. in Mining Engineering, 1914. Foreman, Empire Zinc Co. mine.

(Continued on page 107.)



THE PORPHYRY

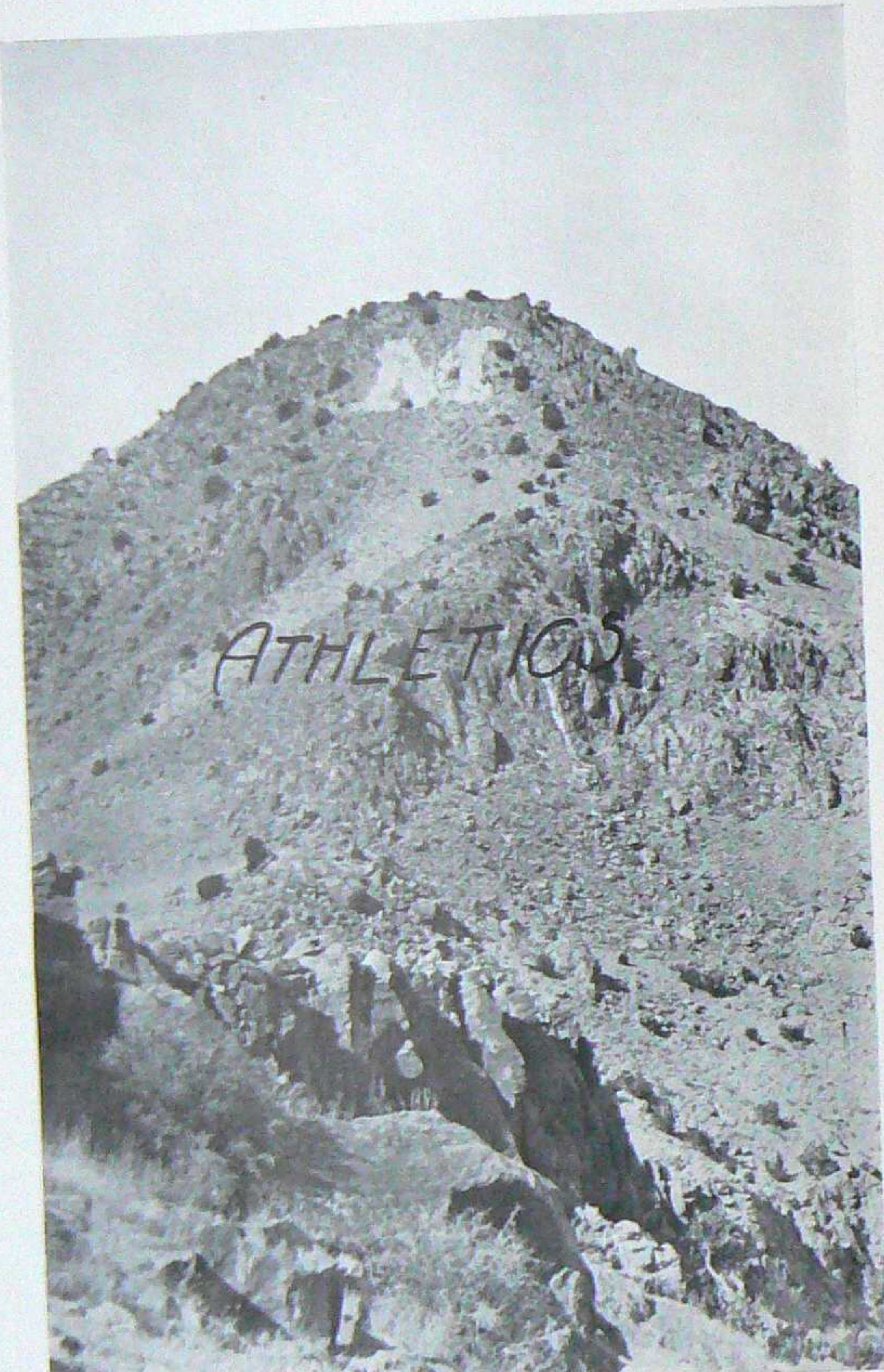
The appearance of this, the first volume of the Porphyry, marks a milestone in the history of the School of Mines. It is generally believed that an annual, or year book, is a necessity to a school. While this may not be true in the strict sense of the word, the fact remains that a book of this nature serves as a wonderful memento of one's school days. It also has its utilitarian purpose. Many are the students who have been won over to a certain school by the appearance of its year book.

It is by no means an easy task to compile a book of this kind. The work done on it has to be done simultaneously with class work and in a technical school this is very difficult on account of the heavy schedule carried by the student. In our particular instance it was still more difficult. No former copies of an annual were available—no precedent set for us to follow—no traditions relative to an annual to adhere to, and above all, a small student body from which to draw our support. Needless to say, these obstacles were all overcome as they were met. The students have uniformly given their whole-hearted support and it has been a genuine pleasure for the staff to work under conditions as they were found on this account. Everyone realized that something new was being born and instead of hindering, as so many are prone to do, they assisted in every way possible.

The Student Council, the governing body of the students, met and elected an editor-in-chief. He was instructed to publish an annual. He also was informed that his staff was his own affair. In other words, he was to select whom he chose to fill the existing vacancies. This made for a harmonious staff. Gerald J. Ballmer was elected editor-in-chief, and he selected the following staff: Stanley A. Mayer, business manager; Arlo C. Hatfield, advertising manager; Jack E. Fyfe, circulation manager; Paul L. Rounds, associate editor; William W. Staley, organizations editor; Charles F. Park, athletics editor; C. W. Orr, art editor; Hilmar D. Look, humor editor; and Alfred T. Lovelace, photography. These men worked together in every phase of the work. Problems were freely discussed, advice given and taken with openness and candor and as a result the staff worked like a well-oiled machine.

An attempt has been made to embody in this first volume everything of note that has taken place at the School of Mines. To this end a history, as complete as possible without going into intricate and uninteresting detail, has been compiled, the histories of the various organizations have been written with the view to present them to the reader the first time and the other matter found in his book has been reviewed from the same standpoint. The section on alumni and former students is especially unique in that it presents the positions these men are at present holding. This feature in itself is noteworthy. It will be seen upon closer perusal that the graduates, without exception, are holding positions of responsibility and trust. This, we are glad to say, is due to the fact that the curricula offered at this school are comparable in every way with those found in other schools and in certain ways they are superior. In a small school, such as ours, the classes are of necessity smaller, individual attention is greatly enhanced and the student urged to depend upon himself more than in larger schools.

Taken all in all, we are proud of our school, our faculty, and our graduates and former students. We are very glad to be able to say these things. May conditions continue so as to allow us always to be able to say this.



Athletics

Athletics this year have shown the majority of the students a good time as well as a healthy diversion from the old grind work. It is a good thing to see practically the entire student body turn out, which denotes a willingness for co-operation that is bound to get ahead. This was especially noticeable in the fall interclass baseball series. Because the school does not support a football team, due to the distance from schools of equal rank, the students substitute this fall baseball series. Errors and misplays abound but everyone gets his chance as well as his razz. Speaking of razz, every good play as well as poor one gets it, but everything is given and taken in a spirit of fun. On the whole, this baseball has the complete support of the student body and denotes the spirit that is really the backbone of the school.

This year marked the inauguration of gymnasium classes. Three quarters of the students availed themselves of this opportunity and it seems as if this class will be permanently established, as it should be.

Another addition this year is a track team. There seems to be an abundance of material present as well as the other essentials for a successful season.

Tennis and swimming have retained their usual places and the tank and courts have been busy whenever the weather permitted. We have been exceptionally lucky in respect to these two sports. The weather is usually good for tennis and the water in the pool comes from our well known hot springs.

Golf has been nearly a back number lately but the links are "in our midst" and on some fair days the hardy chasers of the elusive "Spalding" may be heard with their well known "Fore."

Basketball continues to be the leading major sport and has the whole-hearted support of the students and faculty. The team this year has had a hard schedule, but that is what really makes a team worth while. The cheer leaders have played their important part throughout the year and deserve much credit.

This year has marked a considerable improvement concerning athletics in general. Besides the above mentioned sports, class basketball, indoor baseball, volley ball and various other minor sports play their roles. It is to be hoped that these improvements continue to improve as well as to continue. Athletics on the whole should be subordinate to the studies but every student should share in athletics or some similar physical diversion. This is our policy in general and we are glad to see it progress with such promise of success and usefulness.

BASKETBALL

The basketball season opened at the close of the fall baseball series with a five team league. Each class and the faculty contributed their "wooden way" artists. This league showed up the various individual varsity material besides giving the players and spectators several good times. The newcomers, or Frosh, won the series despite the concerted efforts of the various teams, referees, timekeepers, scorers and rooters to prevent it. The faculty, in spite of their formidable display of names, won the exclusive right to the booby prize when they lost to the usual cellar opponents, the Juniors.

At the close of these games Varsity practice was called. Between twenty-five and thirty men answered. Coach Ferguson and assistant coach Ballmer deserve much credit for the manner in which they have handled the team. Manager Lovelace arranged a schedule that any machine would be glad to go through with. The men themselves never stop fighting and with the team practically intact next year it should be a banner season. The student body and faculty should be mentioned as they backed the Mines in all contests, in every way possible. Here also is where cheer leader Murphy and his "talking assistants" showed to advantage.

DECEMBER 13: ESTANCIA TROOP A 15—MINES 40

The first game of the season was called for Saturday, December 13 at 8 o'clock. This game was really a practice fray but it showed up the weak and strong points of the local machine. For the first ten minutes of the second half the entire second string was substituted. Score at half time stood 29-3. Complete score follows:

Estancia		vs.	Mines	
<i>Field Foul</i>			<i>Field Foul</i>	
Crider, lf.	0 2	Fee, lf.	2	3
Donlin, rf.	1 0	Myatt, rf.	3	1
Head, c.	2 5	Martin, c.	9	2
Meadows, lg.	0 0	Park (c), lg.	1	0
Marker, rg.	0 2	Cronin, rg.	0	0
		Emerick, rf.	1	0
		Rounds, lg.	1	0
Totals	6 9	Totals	34	6

Substitutions—Estancia: Stump, Robertson. Mines: Ryan, Emerick, Reich, Hawes, Rounds. Referee: Stackpole. Scorer: Lovelace. Timer: Ringsmith.

DECEMBER 20: BANKERS 28—MINES 30

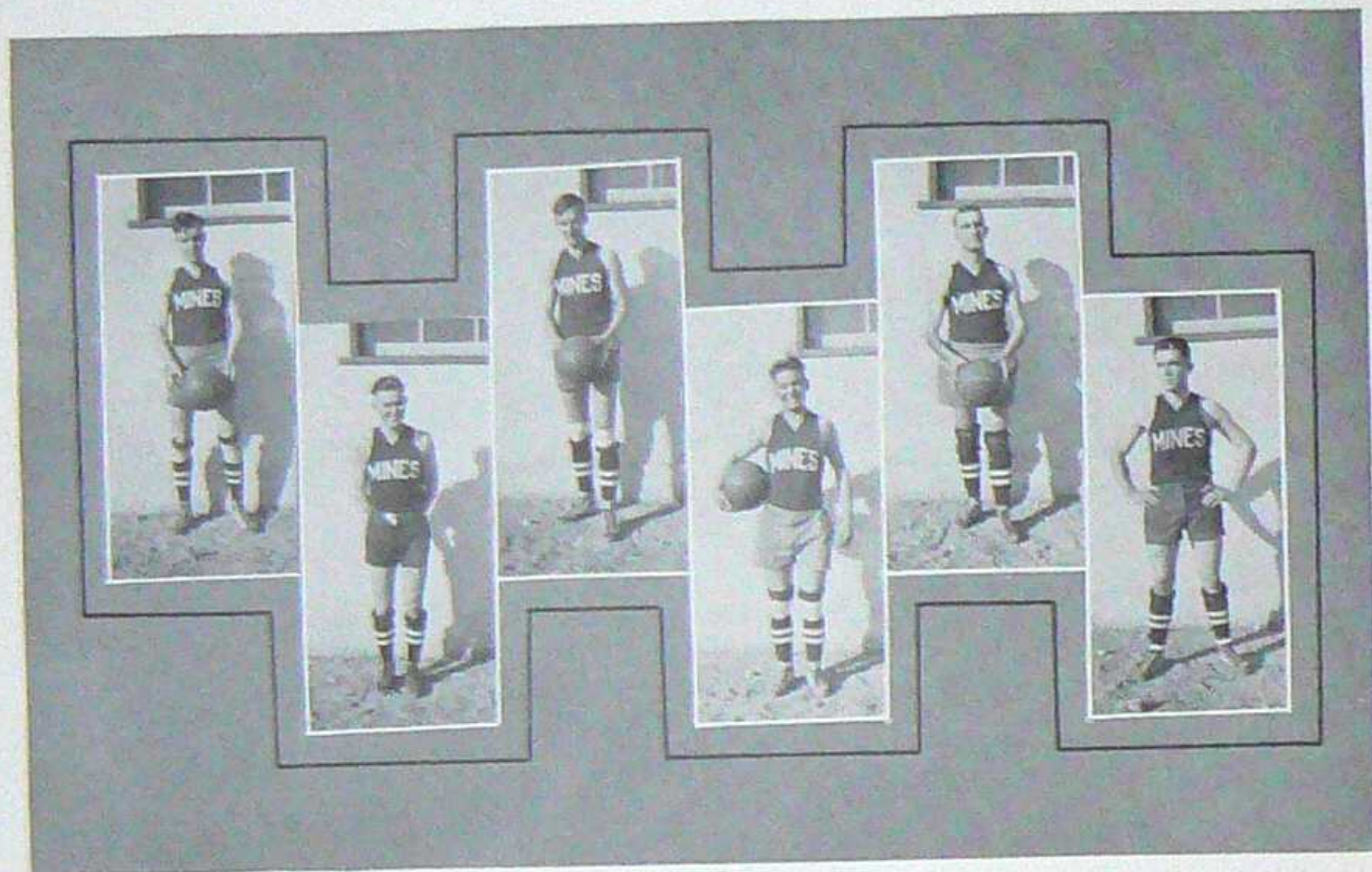
This game marked the first important fray of the season. The Bankers always have a strong team and rank with any college. The game was fought hard throughout, with neither team showing a lack of spirit. The first half ended with the Bankers trailing on the short end of an 18-15 score. The Bankers showed themselves to be good all-round sports and we hope to see more of them in the future. Box score:

Bankers		vs.	Mines	
<i>Field Foul</i>			<i>Field Foul</i>	
Gilbert, lf.	3 2	Fee, lf.	1	0
Pegue (c), rf.	5 1	Myatt, rf.	3	1
Hammond, c.	2 2	Martin, c.	4	0
Wilson, lg.	0 0	Park (c), lg.	3	4
Hammond, rg.	1 0	Cronin, rg.	1	1
Trauth, c.	0 1			
Totals	22 6	Totals	24	6

Substitutions—Bankers: Hammond, Trauth. Mines: none. Referee: Stackpole. Timer: Mayer. Scorer: Lovelace.

JANUARY 26: OLSEN'S SWEDES 59—MINES 32

On the above date Olsen's Swedes from Coffeyville, Kansas, took the locals' measure 59-32 in one of the cleanest, fastest exhibitions ever seen on the local floor. The invaders took the lead at the start and were never headed. Only four fouls were called during this contest and several exceptionally clean, snappy plays fea-



PARK, captain
Guard

MARTIN
Center

CRONIN
Guard

EMERICK
Forward

MYATT
Forward

FEE
Forward

RYAN
Center

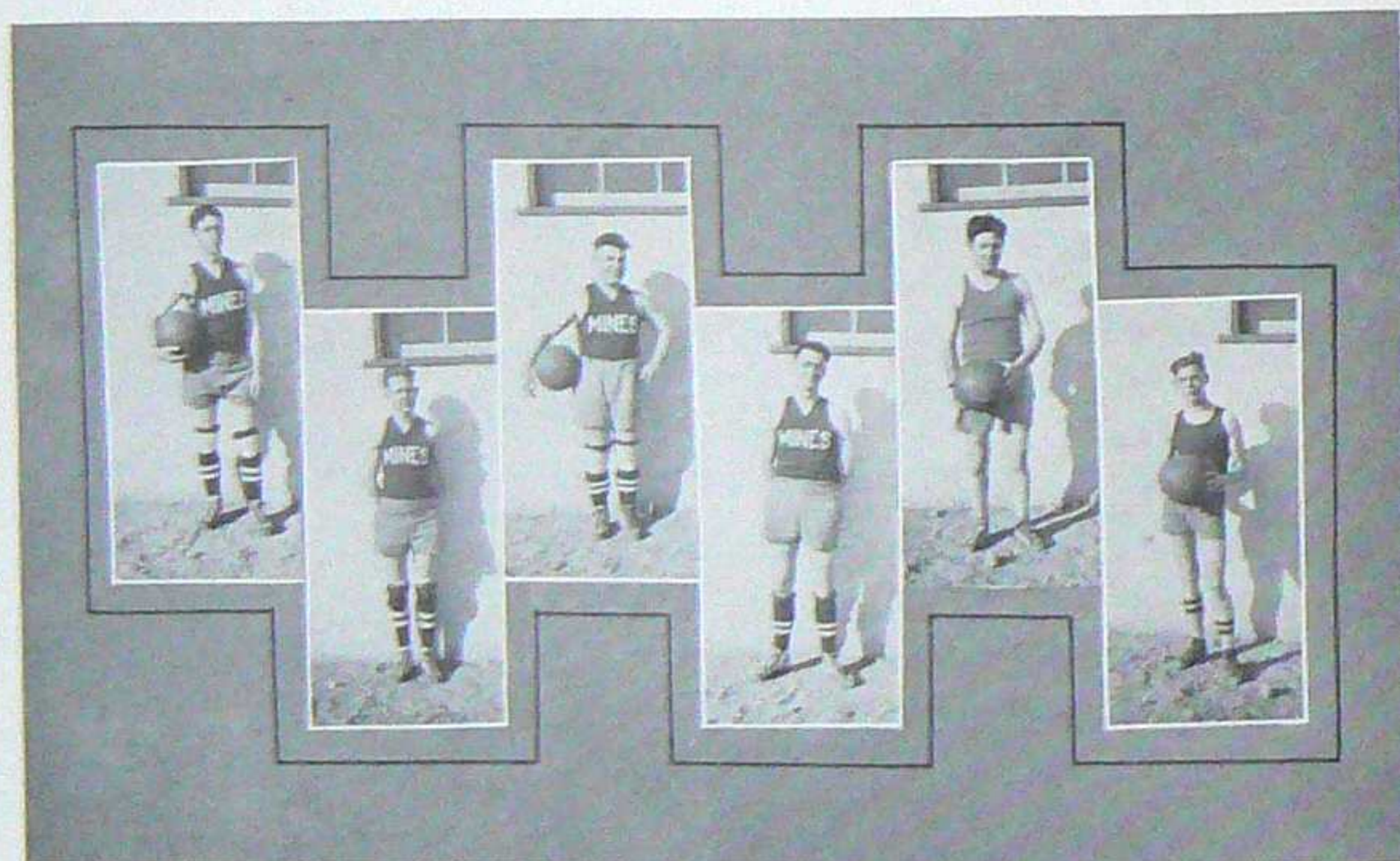
NEUHAUS
Guard

GAMBON
Forward

ROUNDS
Guard

HAWES
Center

SMITH
Forward



tured the evening. We will say for the Swedes that it is their type of playing that makes Basketball as popular a game as it is. Complete score:

Swedes		vs.	Mines	
			<i>Field Foul</i>	
Olsen (c), lf.	5 2		Emerick, lf.	0 0
Pounds, rf.	10 0		Fee, rf.	1 2
Johnson, c.	6 0		Martin, c.	4 0
Williams, rg.	7 1		Park (c), rg.	2 0
Newell, lg.	0 0		Cronin, lg.	2 0
			Myatt, rf.	2 0
Totals	56 3		Totals	30 2

Substitutions—Swedes: none. Mines: Myatt, Ryan, Rounds. Referee: Stackpole. Timer: Mayer. Scorer: Lovelace.

JANUARY 28: MONTEZUMA 27—MINES 26

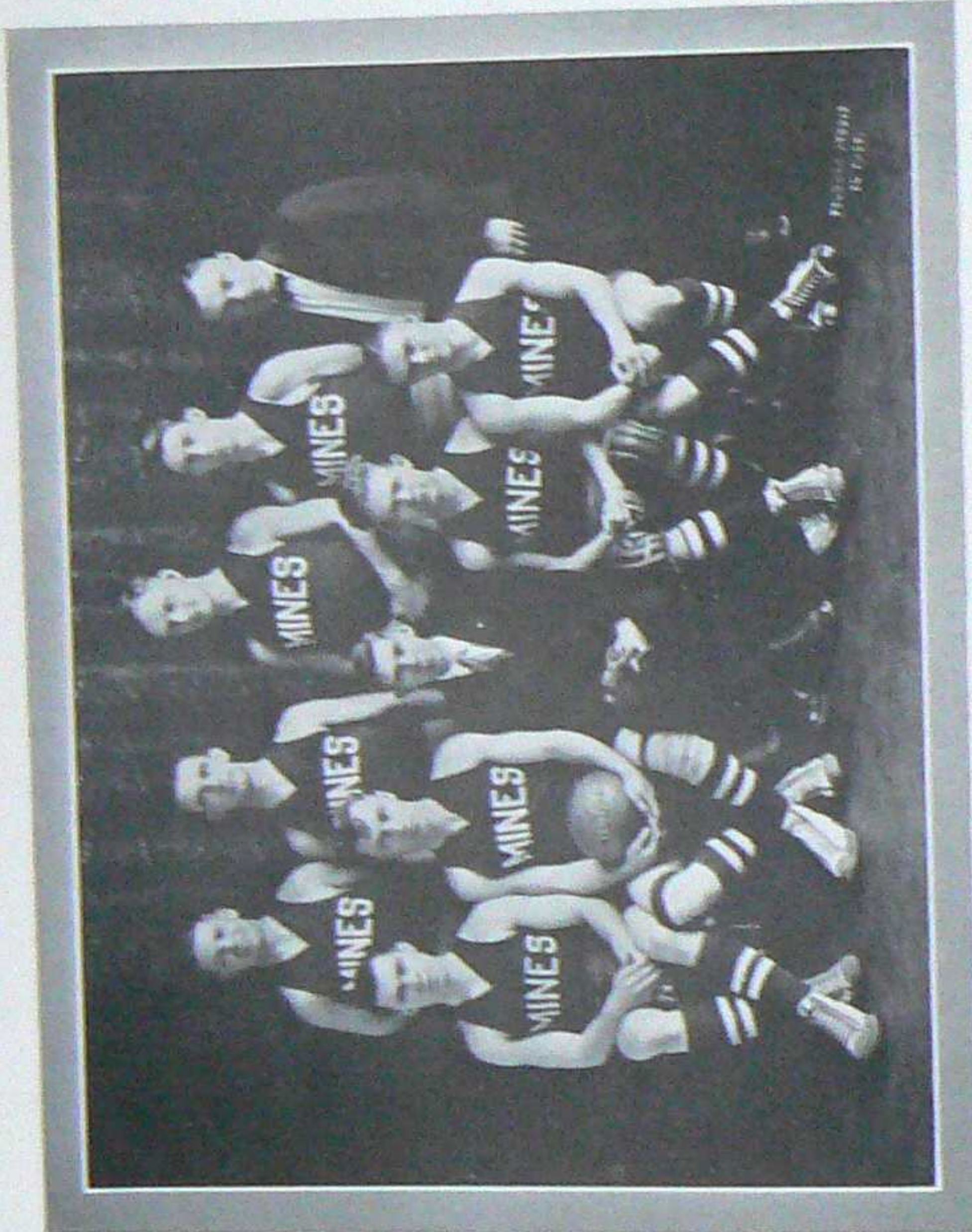
The preachers from Las Vegas invaded our camp and walked off victors in a slow game 27-26. The Miners were way off form, standing around and watching the visitors play. The half ended 18-7 in favor of the visitors. In the second stanza the locals came to life for ten minutes and copped the lead 24-21. As soon as this happened they died again and the mountaineers won the game with a one point lead. Score:

Montezuma		vs.	Mines	
			<i>Field Foul</i>	
Jefferies, lf.	5 2		Emerick, lf.	0 0
Brown, rf.	0 0		Fee, rf.	2 0
Pipkin, c.	4 1		Martin, c.	0 1
Manning, lg.	2 0		Park (c), lg.	1 0
Woodruff, rg.	0 0		Cronin, rg.	0 0
Langston, lf.	1 0		Myatt, lf.	6 1
			Ryan, c.	3 0
Totals	24 3		Totals	24 2

Substitutions—Montezuma: Langston. Mines: Myatt, Ryan. Referee: Stackpole. Scorer: Lovelace. Timer: Mayer.

JANUARY 30: EL PASO JUNIOR COLLEGE 19—MINES 31

This game was played in the High School gymnasium at El Paso. It was a game featured by the snappy passing of the home machine. Myatt, the Mines forward, showed up well, ringing nine field goals and one foul shot. The first half



Back row, left to right: MYATT, CRONIN, MARTIN, RYAN, COACH FERGUSON.
 Front row, left to right: FEE, PARK, capt., LOVEFACE, Manager, ROUNDS, EMERICK.
 NEW MEXICO SCHOOL OF MINES BASKETBALL TEAM 1925

ended with the Miners leading 15-2. During the second period Junior College came to life and the latter part of the game was nip and tuck. The score:

Junior College		vs.	Mines	
<i>Field Foul</i>			<i>Field Foul</i>	
Acosta, lf.	1 0	Myatt, lf.	9	1
Catz, rf.	2 2	Emerick, rf.	2	1
Whittington, c.	0 1	Martin, c.	1	1
Cordova, lg.	1 0	Park (c), lg.	1	1
Langford, rg.	0 0	Cronin, rg.	0	0
Brown, rf.	1 0	Fee, rf.	0	1
Gorman, rg.	3 0			
Totals	16 3	Totals	26	5

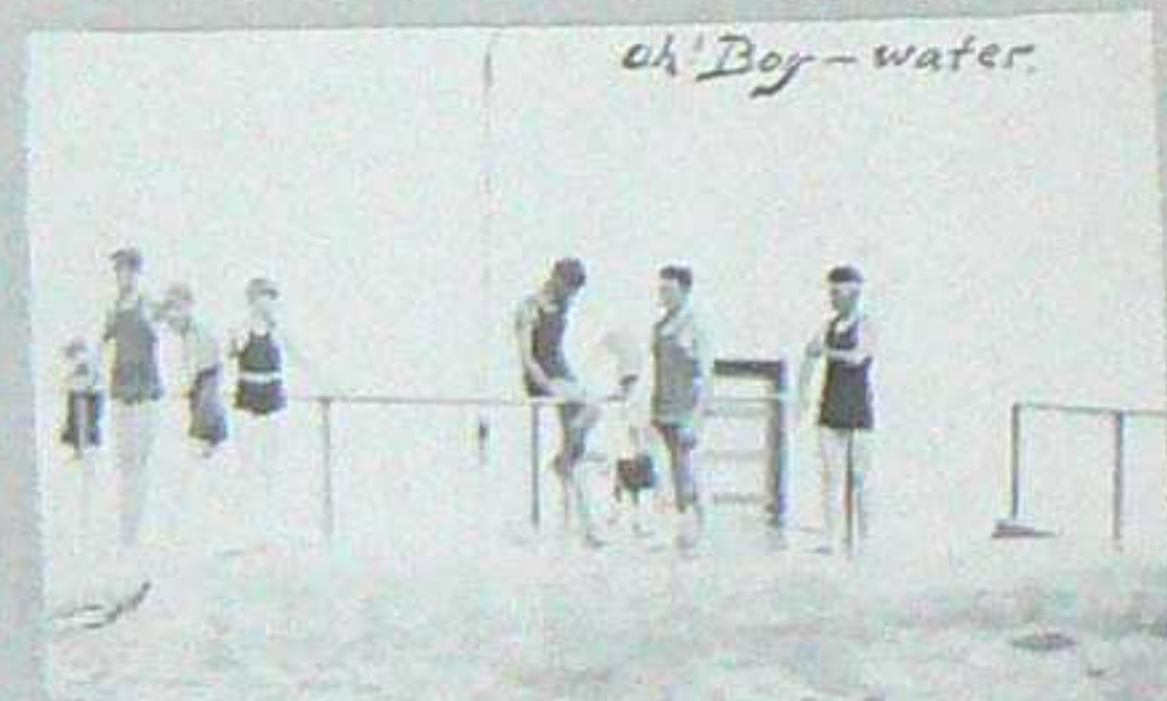
Substitutions—Junior College: Brown, Gorman. Mines: Fee, Ryan. Scorer: Lovelace. Timer: Harris. Referee: Carey.

FEBRUARY 2: TEXAS MINES 24—NEW MEXICO MINES 14

This game was played in El Paso in Liberty Hall, an exceptionally large court. It was the roughest that any member of the local squad had participated in for some time. Tackles and various wrestling holds abounded. The locals are a light machine and were completely outclassed in this type of ball. The referee did not seem to understand the meaning of personal contact or held ball. Various unsportsmanlike tactics among the rooters of both sides were in evidence. We are sorry to say that the game was as it was. It were better if the team dropped relations with the Texas Miners unless better evidence of good feeling between these institutions is evinced. The *El Paso Herald*, in its write-up of the game, seems to think that the Texas Miners have wings and that we have horns. Cronin was put out in the middle of the game for thinking out loud. Score:

Texas Mines		vs.	Mines	
<i>Field Foul</i>			<i>Field Foul</i>	
Patterson, lf.	1 0	Myatt, lf.	0	1
Smith, rf.	0 0	Emerick, rf.	1	0
Outlaw, c.	4 2	Martin, c.	2	0
Nix, lg.	0 0	Park (c), lg.	1	0
Maud, rg.	0 0	Cronin, rg.	0	0
Green, c.	1 0	Ryan, c.	1	0
Lozano, rf.	4 0	Fee, rf.	1	0
Holford, rg.	1 0	Rounds, rg.	0	1
Totals	22 2	Totals	12	2

Substitutions—Texas: Green, Lozano, Holford. New Mexico: Ryan, Fee, Rounds. Referee: Coblenz. Umpire: Hines. Scorer: Lovelace. Timer: Harris.



were essential. The Lobos did not seem to be able to miss any shots and sank them from all angles. The score at half time, Lobos 18—Mines 9. Box Score:

Lobos	vs.		Mines		
	Field	Foul	Field	Foul	
Long	8	0	lf. 4	3	Myatt
Stortz	2	3	rf. 1	1	Fee
Mulcahy	6	0	c. 2	0	Ryan
Sacks	0	0	lg. 2	0	Park(e)
Stowell	0	2	rg. 0	0	Cronin
Totals	32	5	18	4	

Substitutions: University, Renfro, Bryce. Mines, none. Referee, Stackpole. Scorer, Lovelace. Timer, Mayer.

February 20	Silver City Normal	36	Mines	22
February 21	Silver City Normal	29	Mines	10

On February 20 and 21, the locals dropped a couple of uninteresting games to the teachers from Silver City. The Miners showed no lack of fight but their teamwork and shooting were sadly deficient. The teachers played a fair brand of ball and could locate the basket when necessary. Considerable pep, however, was missing from both sides. These games were more or less of a disappointment as the locals were favored to win both contests. Score:

Silver City	First game		vs.		Mines	
	Field	Foul	Field	Foul		
White	0	0	lf. 2	0	Myatt	
Fields	5	5	rf. 1	0	Fee	
Brunton	4	1	c. 0	0	Martin	
Turner	4	0	lg. 3	2	Park(e)	
McAlpine	1	0	rg. 0	0	Cronin	
Parker	1	0	lf. 4	0	Ryan	
			c. 4	0		
Totals	30	6	20	2		

Substitutions: Silver City, Parker. Mines, Ryan, Rounds. Referee, Stackpole. Scorer, Lovelace. Timer, Mayer.

Second game.

Silver City		vs.		Mines	
Field	Foul		Field	Foul	
Fields	4	0	lf.	2	0
White	0	0	rf.	0	0
Brunton	4	0	c.	1	2
Turner	5	1	lg.	0	1
McAlpine	0	0	rg.	0	1
Parker	1	0	rf.	0	0
Totals		28	1	6	4

Substitutions: Silver City, Parker. Mines, Fee. Referee, Stackpole. Scorer, Lovelace. Timer, Mayer.

February 23 University of New Mexico 34 Mines 12

This game marked the last fray on the schedule. The locals started off playing the best game of which they were capable—unbeatable ball. They scored eight points in rapid succession and then stopped. From that time on the whole game was University. The locals fought hard to get out of the slump that has hit them lately but without effect. At no time during the contest did they show lack of fight but the old team work was missing. Score at end of first half: University 20—Mines 8. Box Score:

University		vs.		Mines	
Field	Foul		Field	Foul	
Long	6	1	lf.	0	0
Stortz	3	0	rf.	1	0
Mulcahy	2	0	c.	0	0
Sacks	0	2	lg.	2	1
Stowell	2	0	rg.	0	1
Hoskins	2	0	rf.		
Renfro	0	1	lf.		
Totals		30	4	10	2

Substitutions: University, Hoskins, Renfro. Mines, Martin, Fee. Referee, Pegue. Scorer, Lovelace. Timer, Moore.



YOUNG COLLEGIATES

Back Row: POWELL, HERKENHOFF, SMITH, GAMBON
Front Row: MURPHY, TAINTER, NEUHAUSE

This year marked the organization of a new basketball organization in school—the Young Collegiates. It was founded in rather an obscure way but before the season was over gained recognition locally and in various towns whose teams they played. The forward berths were well taken care of by Smith, Herkenhoff and Murphy, Slim Tainter cared for the pivot position, while Powell, Gambon and Neuhauser occupied the guarding stations. The team played various high schools and independent teams. It did not start until late in the season, hence the small number of games played. The record follows:

OPPONENTS	POINTS	YOUNG COLLEGIATES
Socorro High	16	6
Socorro High	16	34
Socorro High	8	10
Magdalena High	10	28
Magdalena High	15	17
Socorro town team	32	100
Socorro town team	40	30
Socorro town team	33	30
Hot Springs High	11	17
Totals	181	272

THE OPENING HOP

On Saturday evening, September 20, 1924, the faculty, students, and town people turned out for the season's opening hop, given by the President, in the gymnasium. The music was furnished by Bunton's Orchestra of Magdalena.

The dance, welcoming the new students to the School of Mines and handshaking the return of old friends, was a gala affair.

The feature of the evening came when the boys, even to the ignorant "Rat," gathered around the piano and sang that inspiring Miners song with all the force and vim that was attainable at that stage of the race.

This hop, opening the school's social season, was held at a noticeably early date, thanks to the organizers, for such is an appropriate means of acquainting, not only the students with one another, but also the citizens of Socorro with the fine and well liked bunch of new students that matriculated at the School of Mines.

The "Prexy Mixer" was a big success and opened a grand and glorious season for the Miners and all their friends.

SENIOR '49 DANCE

We often hear that the West is passing away but such was not the case at the School of Mines gym, Saturday evening, October 18, 1924. It was on this date that the Senior class presented their Frontier's Day celebration and dance. The gymnasium took on the aspect of a combined dance hall, saloon and gambling house, which was the chief social center of the western mining camp up until within the last ten years. The building was decorated in gay Mexican blankets, saddles, hides and cowboy equipment. The crowd was well dressed in all the costumes of the western land. The Magdalena Rustlers, dressed in cowboy regalia, struck up a jazzy melody and the celebration was off. One end of the building was fitted up as an old fashioned bar. Shorty Barnard officiated, red nose and all. His, "Name your poison, gents," had a familiar tang to it.

THE THANKSGIVING HOP

The School of Mines Athletic Association presented their Thanksgiving dance in the Mines Gym, Thursday Evening, November 27. The dance was one of the best that has been held this season and due credit must be given the entertainment committee of this organization. Peppy music was furnished by the Magdalena Rustlers. Many out of town guests were present and all seemed to enjoy the evening to the fullest extent. We are proud to say that the School of Mines dances have always held the record of surpassing all the other dances in Socorro county.

Engineers Day

at the

NEW MEXICO SCHOOLS OF MINES

The observance of Engineers Day bids fair to become the main event of the school year at the School of Mines. The opportunities this day presents for "mucho" fun at a time when some relaxation from the continual struggle with the volumes is necessary, is too good to be overlooked.

March 17th, the date of Engineers Day, St. Patrick's birthday, and the Frosh Ball, is looked forward to from the first day of school, and is talked about until the time when we pack the grips for our three months struggle with the muck-stick, slip-stick, or perhaps lip-stick, out in the cruel world.

Engineers Day is based on the well known fact that St. Patrick was an Engineer, and the only Engineer in the annals of history who has been called a Saint. Due to this fact all the engineers and future engineers in the country set aside their work on this day to make merry and celebrate the natal day of their patron who acquired so much fame and renown. This custom is being observed in all the engineering schools in the country, but with the possible exception of the Missouri School of Mines, there is no place where it is put on with as much ceremony as we have at the New Mexico School of Mines.

St. Patrick was not an Irishman by birth, nor was he a figure taken from the pages of mythology. To truly understand the birth and life of our first engineer we must let our thoughts go back to the year 387, and the town of Kilpatrick, Scotland, where St. Pat first saw the light of day. His mother was of French descent, her name was Conchessa, and she was born near Tours, France. His father, Calphurnius, was from a Roman family of high rank. In those days Descriptive Geometry, Calculus, and other interesting studies of that sort were not in vogue at the schools in Scotland so St. Pat had nothing much to do for enjoyment but walk into the hills and around the seashore and study the geology of the country.

Across the sea from Scotland lived a people who were called Druids. They dressed in the skins of wild animals and were semi-savage in their customs and forms of worship. At the age of 16, while on a geology trip, Patrick was captured by a band of Druids who had crossed the sea in search of plunder and was taken with them back to Ireland where he was made to tend a herd of swine in the mountains. After a few years of this work Patrick escaped to Gaul (France) where he studied under the instruction of St. Germaine of Auxerre for 18 years, after which he returned to England. However, he was not satisfied to be away from Ireland, so he prepared to return.

He landed at the mouth of the Vantry river in 433 and proceeded to Delaradia. It was here he met the Druid high priest Milchu, who tried to kill St. Patrick, who was preaching to some of his people. His attempt was unsuccessful and from that time St. Pat was unmolested.

First of all, he taught the people there was a God, and God through the aid of men called Engineers, caused wondrous things to happen to the earth, air, and water. The people believed that it was the fairies who did these things but St. Pat proved it was the engineers, and he proved it in a decisive manner; he engineered the snakes out of Ireland. After seeing this miracle, the people were converted to his belief, and in a few years there was not a heathen in all the country. He remained in Ireland until all the people were converted and then he returned to Gaul where he died in 493.

The plans for Engineers Day were presented to the student council in March 1924, by Murphy, who was assisted in their preparation by Fyfe and Dave Thompson. The plans were accepted early in the month, a committee was appointed, consisting of Murphy, Hon, and Lovelace, and the final arrangements completed within the next few days. Some difficulty was experienced in getting the necessary costumes but this was overcome by the aid of some of our friends in town. The first St. Pat was Lovelace, over six feet of dignity. He was assisted by West, as Master of Ceremonies, Rounds, as Secretary, Martin and Tainter, as Guards of the Blarney Stone, and Barnard, Corley, Orr, and Look as the Cave Men Guard of Honor. The ceremony was very impressive; the following were called before the throne to kiss the Blarney stone, be knighted into the Ancient and Honorable Order of St. Patrick, and receive their diplomas: Seniors—S. S. Bartlett, W. C. Clum, C. T. Collins, F. G. Czechowicz, G. E. Danley, E. E. Foreman, F. B. Fuhr, J. S. Henderson, V. J. Hon, S. J. Sadowski, R. E. Speare, D. A. R. Thompson, D. N. Wilson, G. A. Warner. Honorary degrees were conferred on the following: President E. H. Wells, Professors R. H. Reece, A. S. Walter, T. H. McCarthy, W. Arthur, G. Perry, D. A. Dutton, and R. Hill. Mr. B. H. Kinney, president of the Board of Regents, was given an honorary degree on account of his friendship to the student body.

In his closing address, St. Pat expressed the wish that he be with the students at the School of Mines a year from that night in 1924 and wished them the Top o' the Morning.

The ceremonies of this year started the 15th of March when the Class of '28 went out in the "boskey" for the purpose of gathering Shillelaghs for the Guard of Honor. They brought back half the available timber in New Mexico in the form of big clubs and made a good job of their appointed task. The real Shillelagh is named for a town in Ireland famous for its oaks and it is said to be the instrument used by St. Patrick when he engineered the snakes out of Erin.

The main ceremonies started at sunset, March 16th, when the class of '28, under command of Orr and Look as Guards of Honor, brought the Blarney Stone from its position in the Mineralogy Museum to the Main Dormitory and guarded it faithfully until sunup the next morning. The Blarney Stone is a beautiful green mineral that glitters like a jewel. It is composed of Smithsonite. The Frosh were

compelled to make an announcement every hour in front of Driscoll and Barnard Halls to the effect that it was such a time and everything was well with the Blarney Stone. It seems that they were somewhat worried for fear the upper classmen would lose some sleep worrying about the safety of the precious stone and they armed themselves with a big bass drum, bugles, bells, and other noise making devices, so the rest of the students would know that they were faithful to their trust. The most effective device they used was the dinner bell; it aroused many an upper classman from pleasant dreams of green trees and silvery lakes to answer the call for ham, only to return to his bunk when he saw that it lacked several hours until 7 A. M. The U. C. would return to woo Morpheus with a prayer on his lips for the Frosh who assured him that the Stone was safe.

It would have been a terrible disgrace if anyone had stolen the Stone. One attempt was frustrated, when the Frosh had a call to arms to repel some Druids who were bent on making away with the precious Stone. With the exception of this scare, everything was peaceful and the sleepy-eyed Frosh brought the Stone to its resting place as the sun rose over the Manzano mountains, happy with the thought that there was no blemish on their perfect record.

In the afternoon the initiation ceremonies were conducted in the gymnasium, under the direction of Park and Emerick, assisted by Orr and Look. A large class of initiates were present to have the honor of kissing the Blarney Stone. There were people from Albuquerque, Magdalena, Las Cruces, and Socorro present to witness this event and they seemed to enjoy the proceedings immensely. When an applicant was called before the throne he was obliged to do something to prove he was worthy of the honor. After satisfying the wishes of the Master of Ceremonies, the applicant kneeled to kiss the Stone and while in this position the Guard of Honor reminded him of Schopenhauer's Philosophy: "Pain is the real thing in life and all good things are accompanied by pain." This was accomplished by a Shillelagh on the most prominent part of the applicant's anatomy. The Frosh were rather sorry for bringing back such husky Shillelaghs on the 15th of March.

Much laughter was provoked when Landon attempted to sing a song at the request of the Master of Ceremonies; Neuhauser, who weighs ten pounds more than a horse, gave a perfect imitation of the way they dance in Hawaii; Harris obliged three young ladies by kneeling before them and stating that he was the "Sheik of the School of Mines;" Fee put on a boxing match all by himself; Smith and Steele had a dumb argument, the first time this year that Steele had a chance to talk as much as Bill. There were too many sentences passed out to remember the details, but they were all good. Professor Ferguson showed the same spirit as was shown by our Prexy, Professor Wells, last year, when he obliged with a song and was initiated in the proper manner. For this he was given a real diploma in the evening instead of the honorary one given to men other than seniors.

(Continued on page 116.)

THE GOLD PAN

One of the best things that can happen to a school is to support a school paper or periodical. With the view in mind to acquaint the students with current events as related to their affairs and to serve as a means of liaison between the students and graduates, the GOLD PAN was founded.

Much has been said as to the efficacy of a school paper but, without a doubt, much can be accomplished through this means. Notes of interest to the students are published where he is bound to see them, and take cognizance of them. Activities indulged in by the students are written up and it is with just pride that a student views his own handiwork in print.

Since its infancy THE GOLD PAN has grown and prospered until at the present time it is a paper of sixteen pages. It is entirely self supporting and this is largely due to the efforts of the business manager of 1924, Mr. Don N. Wilson. Following closely in his footsteps, the present business manager, Jack Martin, has improved conditions still more. Paul L. Rounds, the editor, has standardized his methods and efforts to such an extent that he usually has the paper off the press promptly. Of especial interest to the mining student and to the mining world in general, is the series of articles on Mining in New Mexico which he is carrying in the issues throughout his year. A file of the year's publications carries a complete list of the happenings, at the school, both social and otherwise.

Our paper is an asset to the School of Mines, regardless of what other papers are to their institutions.

(Continued from page 83)

- McVEIGH, Roy S., Inspiration, Arizona. Student, 1917-1918 and 1919-1921. Chief Sampler, Inspiration Copper Company.
- MORRIS, A. P., Lluvia de Ora, Chihuahua, via Choix, Sinaloa, Mexico. B. S. in Geological Engineering, 1923. Geologist.
- NEWTON, E. H., Apartado 70, Chihuahua, Chihuahua, Mexico. Student, 1918-1920 and 1921-1922. Engineer, Compania Minera de Penoles, S. A.
- O'BOYLE, M. J., Jerome, Arizona. B. S. in Mining Engineering, 1914. Mine Shift Boss, United Verde Copper Company.
- DeRONNE, N. C., Wingdam, Cottonwood P. O., British Columbia, Canada. B. S. in Geological Engineering, 1923. Mining Engineer and Mine Superintendent, Mines Operations Company.
- SANCHEZ, Julius, Socorro, New Mexico. B. S. in Geological Engineering, 1917. Field Work, New Mexico Tax Commission.
- SANCHEZ, M. A., Santa Fe, New Mexico. B. S. in Civil Engineering, 1917. United States Surveyor General for the state of New Mexico.
- SIMPSON, Thomas, Pachuca, Hidalgo, Mexico. B. S. in General Science, 1923. Mine Foreman, Cia de Sta Gertrudis, Pachuca.
- SMITH, James Avery, Smuggler, Colorado. B. S. in Metallurgical Engineering, 1913. Assistant Mill Superintendent, Tomboy Gold Mines Co. Ltd.
- STECH, Howard, Magma, Utah. B. S. in Metallurgical Engineering, 1920. Flo-tation Operator, Utah Copper Company.
- STEIN, P., El Paso, Texas. B. S. in Mining Geology, 1911, and Engineer of Mines, 1912. Assistant Superintendent, Kansas City Consolidated Smelting and Mining Co.
- WILLIAMSON, G. M., Albuquerque, New Mexico. Graduate Student, 1921. Architect, Albuquerque, N. M.
- WINNINGHAM, V. A., Porterville, California. Student, 1919-1921. Draughts-man, City Engineer's Office.
- WILLIS, C. F.—Phoenix, Arizona. Engineer of Mines, 1917. Editor and Publisher of Arizona Mining Journal and Arizona Builder and Contractor; also Consulting Mining Engineer.

(Continued from page 11.)

Mr. Brown was first appointed on the board of regents of the New Mexico School of Mines in 1898, and he served in that capacity until circumstances brought about his resignation from the board in 1914. Following his reappointment in 1917 he was again elected secretary and treasurer, and in 1921 he was made president of the regents. His election to the senate in 1922 made it obligatory for him to resign from the board.

As a member of the board of regents of the School of Mines for more than a score of years, Mr. Brown exerted a dominant influence in shaping the progress of the institution. His mining training coupled with his loyalty and untiring interest in the school made him exceptionally qualified for such service. He not only was responsible for securing valuable donations of mining and metallurgical equipment for the school laboratories from the Empire Zinc Company and other companies, but he also made numerous valuable personal donations. Scores of mineral and ore specimens in the school collection are his gifts. His annual smokers for the students, faculty and friends of the institution were always among the year's most enjoyable social events. The Brown medal, given annually by him in recent years to the member of the senior class ranking highest in scholarship, conduct, and leadership, and at an earlier period to the student showing greatest proficiency in assaying, was a powerful incentive to high attainment. Hardly a year passed without one or more talks from him to the student body on some mining district or some phase of mining and geology. He obtained employment for many of the school's graduates and assisted in their subsequent advancement as they proved themselves worthy. In token of his outstanding devotion and efficient labors the school in 1913 conferred on him the honorary degree of mining engineer.

The great monument that Captain Cony T. Brown leaves behind is not of metal or stone. It is rather a memory which will always remain fresh and vivid to those who were privileged to know him. That memory pictures him as a man of few words but of many outstanding deeds; a man of abiding faith in the future of his School of Mines, his town, and his state; a man who knew not the meaning of fatigue, discouragement, and defeat; and a man to whom friendship meant more than self. He lives on as a great inspiration to the students of the School of Mines.

(Continued from page 14.)

For ten years after its completion the Main Building stood alone on the School of Mines campus. In 1903 the south wing of the Mining, Metallurgy and Engineering Building was erected, and an appropriation of \$15,000 by the 1907 legislature resulted in the construction of Driscoll Hall, the main dormitory, a year later. The years 1915 and 1916 witnessed considerable building activity. During this year the Power House was built and equipped and the central section and north wing of the Mining, Metallurgy and Engineering Building were constructed, largely by student labor. The building program of 1915 and 1916 was made possible by a special appropriation of \$20,000 by the legislature of 1915. Since that time no appropriations for buildings or other permanent improvements have been made for the School of Mines.

When the United States entered the great war on the side of the Allies in April, 1917, most of the students answered the call for volunteers. During the conflict the attendance was small and little was done at the school aside from the regular routine of instructions. President Jones was succeeded in the summer of 1917 by Prof. A. X. Illinski, who had been professor of Chemistry for the two preceding years.

Another period of advancement, continuing to the present time, began in the fall of 1919. The freshman class numbered 48 students. In addition to high school graduates of that year it included many young men whose college education had been delayed by their participation in the war.

Driscoll Hall was unable to accommodate more than half of the applicants for rooms. Most of the overflow was taken care of by remodeling into student rooms the upper floor of the mill building constructed in 1916 and later found to be unsuited for that purpose, and by using for dormitory quarters three portable buildings obtained from the Empire Zinc Company, and moved from Kelly to the campus. The portable buildings burned down early in 1922, and Driscoll Hall narrowly escaped a similar fate. The students made homeless by the fire were provided with rooms on the first floor of the mill building, which up to that time had been used as a gymnasium. The corrugated metal outside finish was covered with stucco, porches were added, and thus was accomplished the metamorphosis of the "Tin House" into Barnard Hall.

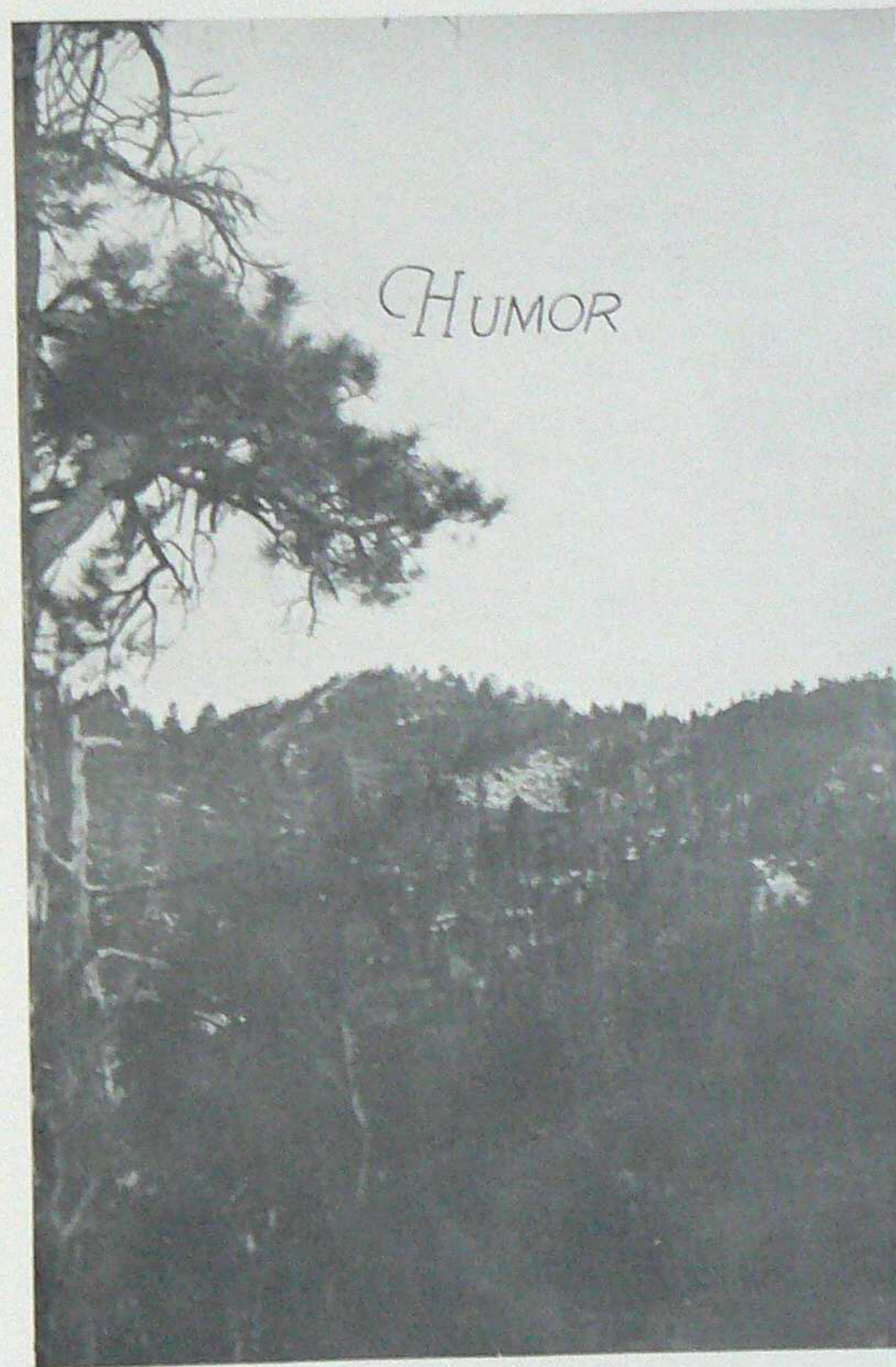
Many valuable improvements have been made at the School of Mines since 1921. The laboratory equipment and apparatus of all the departments has been greatly augmented. The new equipment includes metallographic and petrographic microscopes, grinding and polishing lathe, unit for electro-analysis, oil-fired assay furnace,

transits, plane tables and many others. The ore dressing laboratory has been especially provided for, and the experimental ore dressing plant provides for the gravity concentration of ores in quantities up to ten tons in 24 hours.

An additional concrete tennis court was constructed in 1921 and a concrete swimming pool was built the next year. The campus has been extended to include a tract of ten acres lying to the west of the original grounds and adequate space is now available for a baseball diamond, track and football field. For the first time in its history the school has adequate fire protection consisting of an electrically driven centrifugal pump which utilizes the water in the swimming pool and conveys it under pressure to hydrants installed at advantageous positions about the campus.

The most recent addition to the buildings of the school and one that supplies a need of long standing is the gymnasium, completed early in 1924. It has an oak playing floor 50x80 feet and is finished in white stucco.

Following the war many changes were made in the content of the curricula, these serving to place the educational work of the New Mexico School of Mines on a par with that given by the best mining schools in the country. The curriculum in civil engineering was discontinued in 1922 in order to avoid duplication of work being given at both the State University and the College of Agriculture and Mechanic Arts. The elimination of the civil engineering curricula has also permitted the utilization of the entire resources of the School of Mines for education in the particular fields of engineering which properly belong to it. The curricula now being offered are mining engineering, metallurgical engineering, geological engineering, and general science. The present faculty consists of eight professors and assistant professors, one special lecturer, and four student instructor. President E. H. Wells is serving his fourth year as administrator of the affairs of the school. He continues to occupy the chair of geology and mineralogy, which he has filled since 1917. The size of the recent graduating classes—24 in 1923 and 14 in 1924—is in keeping with the progress being made at the New Mexico School of Mines.



IT CAN'T BE DONE

Fyfe: "It can't be done, I tell you. You can't get down from an elephant—you get it from geese. How are you going to blow the feathers back on an elephant?"

WHAT'S IN A NAME?

Hatfield: "Don't think you're hard because your name is Steele."

THE HEIGHT OF WISDOM

Bovio: "The moon isn't out yet."
E. Wilson: "Sure it is but it isn't lit yet."

TURN BACK THE UNIVERSE

*In the days of old,
When the knights were bold,
The women chased the men.
But the men like fools,
Laid down their tools
And chased them back again.*

TILL I DIE

*If all alone with you some night,
I catch you quick and hold you tight
And kiss your lips with all my might;
You may get mad or cry.
But if you snuggle to my breast
And get face powder on my vest
And kiss me when I stop to rest,
I'll love you till I die.*

Blessing shouted: "Kill that bee before he bites us."

NO HUNTING LICENSE
REQUIRED

Myatt, holding sack says: "When I shoot, you fellows start driving." (See footnote).

NOTE: Working drawings of snipe hunting will be supplied at cost, Mr. Myatt.

A DIRTY DIG

Rae: "I hate the sight of him. He is the rudest thing. Why, when I was talking to him the other day he yawned at least three times."

Mae: "Are you sure he was yawning, dear? He may have been trying to say something."

—Everybody's

MAYBE—MAYBE NOT

Detective: "I could find anything if I looked hard enough."

Defective: "You certainly look hard enough."

—Los Angeles Examiner.

EDIBLE HARDWARE

Critical guest at party: "My dear, these cakes are as hard as iron."

She: "I know. Didn't you hear our hostess say, 'Take your pick,' when she passed them around?"

—Good Hardware.

HE'S ALL GUMMED UP

Tiny Bird (buying stamps): "Must I put them on myself?"

Postmistress: "No, on the letter."

NOT A HEAVY ORDER

A paint manufacturer recently received the following letter: "Gentlemen: Will you please send us some of your striped paint? We want enough to paint one barber pole."

—Good Hardware.

SUFFICIENT PROOF

"Did I ever tell you of my adventures in Silver City?" asked Turner.

"Interesting yarn?" inquired the victim, who had listened to about twenty adventures.

"You bet," responded Turner.

"Then you have not told me."

NEVER LET CARBON COPIES GET INTO THE WASTE CAN

Box —,
Socorro, New Mexico,
January 17, 1925.

AMERICAN SMELTING AND REFINING Co.,
120 Broadway,
New York, N. Y.

Dear Mr. Guggenheim:

I am taking the liberty to write to you in order that you may be informed that a good mining engineer is now unoccupied. I wrote to Mr. Rotchilds at his London home and it seems as if he has quit the business, as I have received no reply from him.

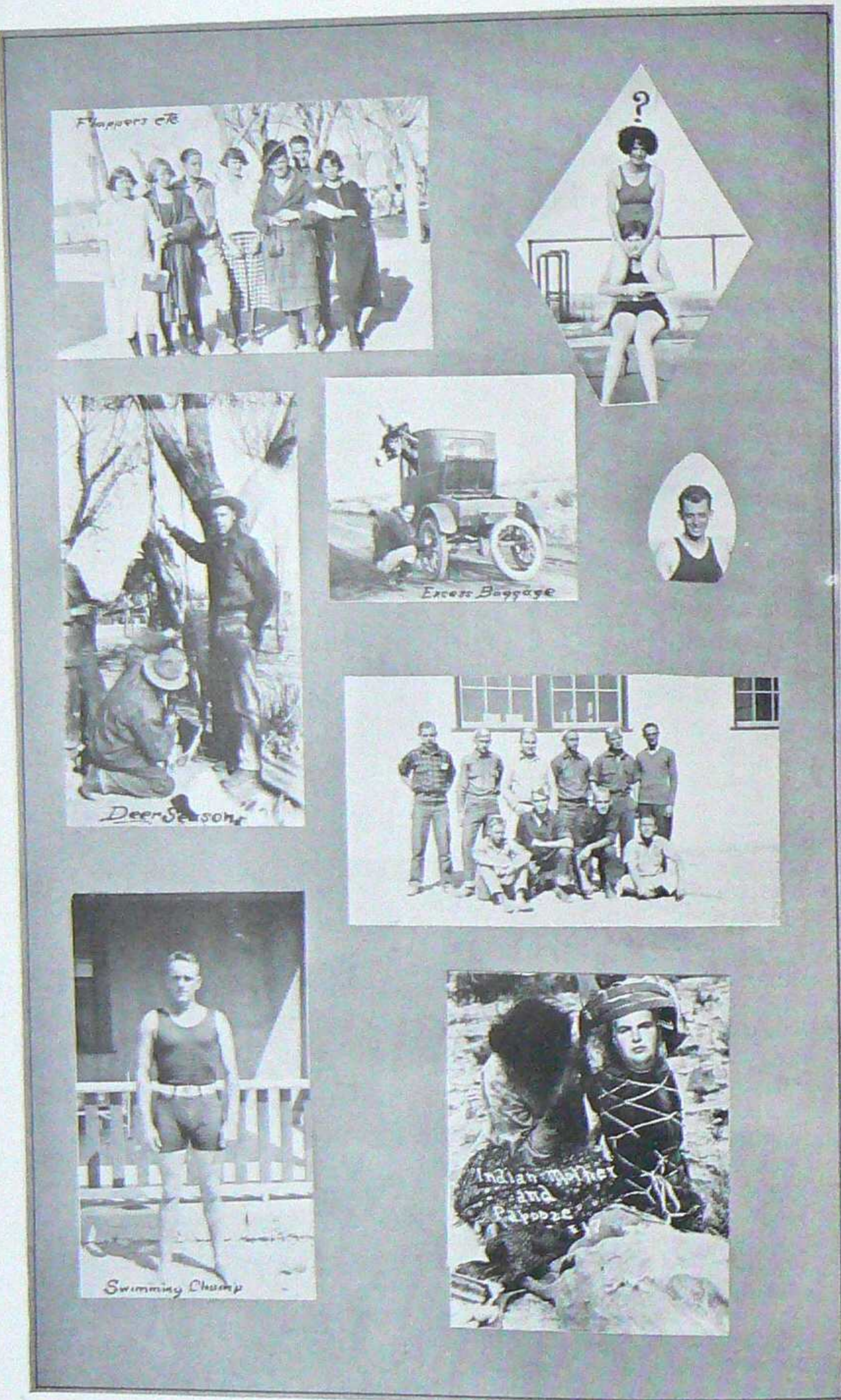
After I graduated from high school I went to work in a shoe shop in New Britain, Conn., consequently I have a good understanding as to what belongs on the ground. I also was employed by the Corbin Manufacturing Co., who as you know, make locks, keys and doorknobs and use immense quantities of metals produced by your company. Right now I am dispensing sodas at the New Mexico School of Mines. Oh! I don't mean the ordinary pop bottle jerker but I pass out chemicals to the boys who are trying to get a head in the world. In less than three months I had men working under me. I was chute checker. And that was my first experience at mining. The lucky company that paid me was the Miami Copper Mining Co. I'm bent on having a military career. In the near future I hope to be made a corporal in Co. "E" 120th Engineers, New Mexico National Guard.

I have great ability in surveying because I can carry a meridian underground or anywhere without breaking it. I've some ability in dramatics.

Yours respectfully,

CLASSIFIED COLUMN

For sale: Violin by lady with inlaid scroll head.
Wanted: Ten girls to sew buttons on the tenth floor.
Wanted: A furnished room by a lady with electric lights.
Wanted: A boy to deliver oysters that can ride on a bicycle.



AINT IT AWFUL

When Mary starts to board a car
 Just see how brazen bad men are.
 Why do they turn their heads, I beg,
 Why should they look at Mary's "hat"?

Those high stepped cars are a disgrace,
 They are entirely out of place,
 The distance should be half;
 Then Mary wouldn't show her "animosity".

When Mary starts to dance a bit
 Men nearly have a fit.
 If more clothes from her did drape
 Mary wouldn't show her "disposition".

Mary steps across the gutter,
 Oh, the mean things those men utter.
 Mary's anger begins to rankle.
 Why should they talk about her "elbow"?

When Mary wears that short slit skirt
 The men all try with her to flirt,
 And wonder if that naughty breeze
 Doesn't chill her to the "shoulders".

PICKLES ET AL

Here's to Pickles, sour and sweet,
 The boy that brings them to their feet.
 Some are natty and some are batty
 He gets 'em here even though his feet are flatty.

He came from far to here,
 Just to be an engineer.
 He brings them fat and thin;
 Maybe they aint what they should have been.

Charles Neuhaus, the big fat clown.
 The boy that hails from General Electric Town.
 Mayer with Pickles came from the Mohawk river,
 All the way to the Rio Grande in an awkward flivver.

This little boy Hoxie
 Wonders why Miners don't play hockey.
 Harris and Ryan from away back yonder;
 Of Socorro flappers they are fonder.

(Continued from page 105.)

The evening ceremonies were conducted with great solemnity and were very impressive. The Class of '28 had worked hard for the few days before the 17th and had the gymnasium decorated as good, if not better than it had ever been decorated before. The ceiling was a mass of green streamers that looked like billowing waves on the ocean when the lights were dimmed for a Moonlight waltz; the orchestra, Tom Donahue's, from Albuquerque, was almost hidden in a bower of green and pink streamers and a Caesar could not have wished a more picturesque throne than the one they had prepared for St. Pat and his court. It was well worth the effort, for did not St. Pat choose the annual Frosh Ball for the time to make his appearance at the school?

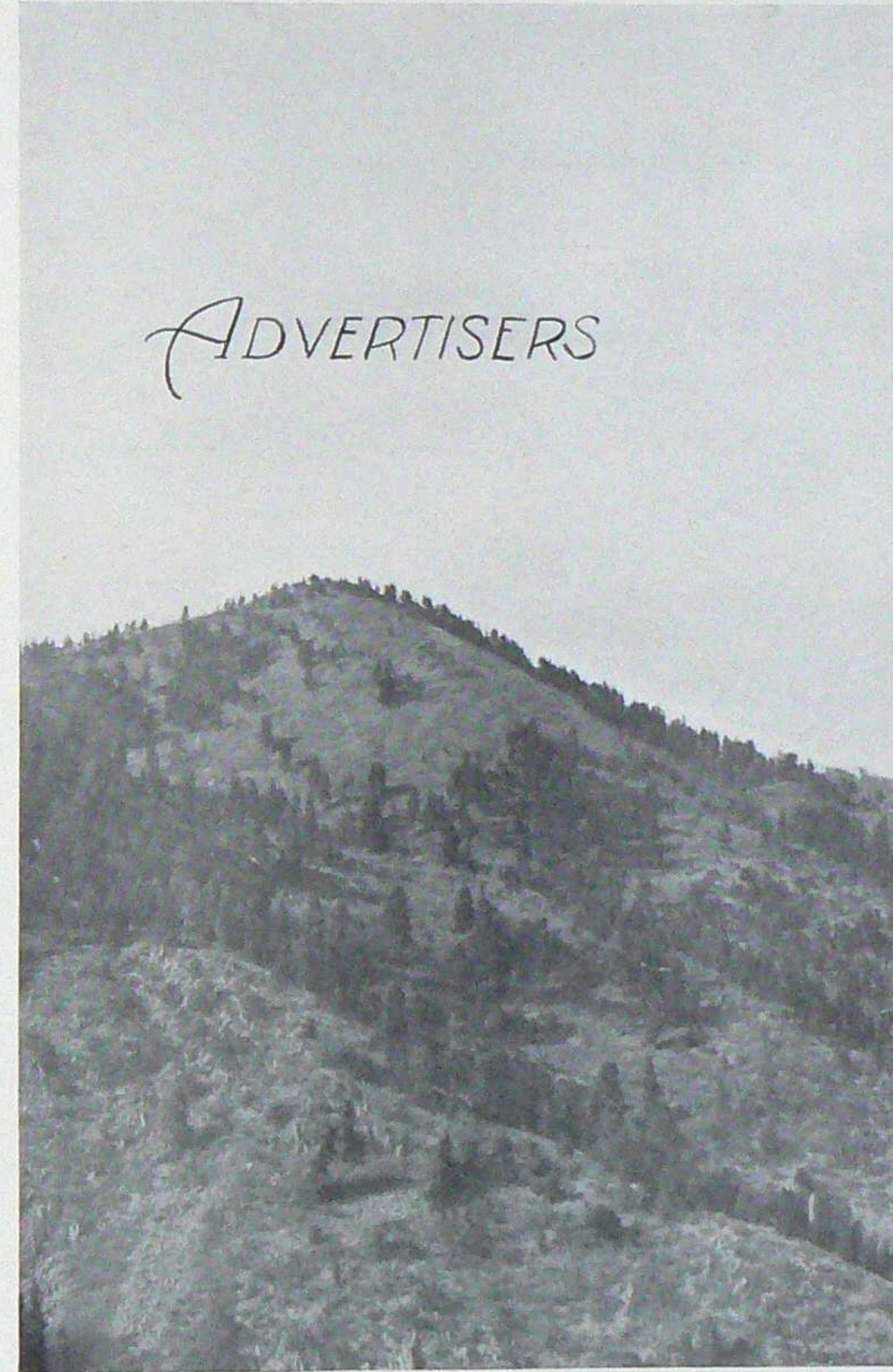
At 9 P. M. the dance was on; the Miners and their friends all gathered to make merry, the best girl stepping to the strains of good music, her miner clean shaven and the yearly shine on the shoes without hobs. A Professor is seen over near the throne trying to understand a smiling, shingle-bobbed flapper from a large town; a grad from Mexico talking to another who was leaving in a few days for Peru; a riot of color and merry making. It was a real Miners dance.

A telegram was announced at 10:30 to the effect that St. Pat with his Royal Guard had arrived in Socorro. All the engineers rushed out to welcome him with cheers and then marched into the building in solemn order to escort their patron saint to his throne. The Frosh came first, then the Sophomores, followed by the Juniors, all marching to the strains of "The Wearing of the Green" and separating to either side of the hall. The Seniors were next in line, wearing their green caps and gowns; next came St. Pat's court arrayed in their medieval costumes: it seemed the years had rolled back and we were again in the age of long flowing robes and sandals. It truly was a picture not soon to be forgotten; the Master of Ceremonies, dressed in a robe and carrying a Shillelagh from the Ould Sod; the red-haired Secretary, dressed in the same manner and carrying a scroll; two Freshmen carrying the Blarney Stone; the Guard of Honor with shaggy hair, dressed in wild animal skins and carrying Shillelaghs; St. Patrick, a crozier in his hand and his long robe carried by two pages who also carried trumpets with green banners suspended, emblazoned with golden harps. It was an impressive sight as the procession crossed the hall to the throne.

The Master of Ceremonies delivered a speech, St. Pat performed the Miner's blessing with his Crozier, a transit rod with crossed pick, shovel, and doublejack mounted on it, and then the members of the Senior class advanced to the throne to be dubbed a Knight of the Ancient and Honorable Order of St. Patrick, taking the oath that they would advance their chosen profession, work for the welfare of mankind, thereby bringing honor and glory to their Alma Mater. The following men received their diplomas: G. J. Ballmer, F. C. Barnard, R. G. Brown, W. J. Corley, J. E. Fyfe, L. L. Hawes, A. C. Hatfield, W. S. Jackson, S. A. Mayer, A. H. Patterson, T. A. Reich, W. W. Staley, and J. A. Williams, of the Senior Class; A. T. Lovelace, the first St. Pat, received his diploma and with him were W. E. West, the first Master of Ceremonies, R. Burnsworth and N. Walker. Professor Ferguson received his diploma, and honorary degrees were conferred upon Professor Bennett and Mr.

(Concluded on page 121)

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Country Club



On the way to Santa Fe



1925



Hunting Season on the Rio Grande



Paris, 25



La Gran Quivira

NEW MEXICO SCHOOL OF MINES

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Thorough four year courses are offered leading to degrees in—

MINING ENGINEERING

GENERAL SCIENCE

METALLURGICAL ENGINEERING

GEOLOGICAL ENGINEERING

The faculty is composed of men who combine excellent scholastic preparation with successful engineering experience.

Laboratories are well supplied with all instruments, apparatus, and supplies necessary to effective instruction. The experimental ore dressing plant is one of the best in the country.

The Kelly lead and zinc mines, the Carthage coal mines, and the Socorro Mountain silver mines are within easy reach of the school and an important part of the field work is conducted in these districts. Field work is carried on throughout the regular semester and summer field work is not required.

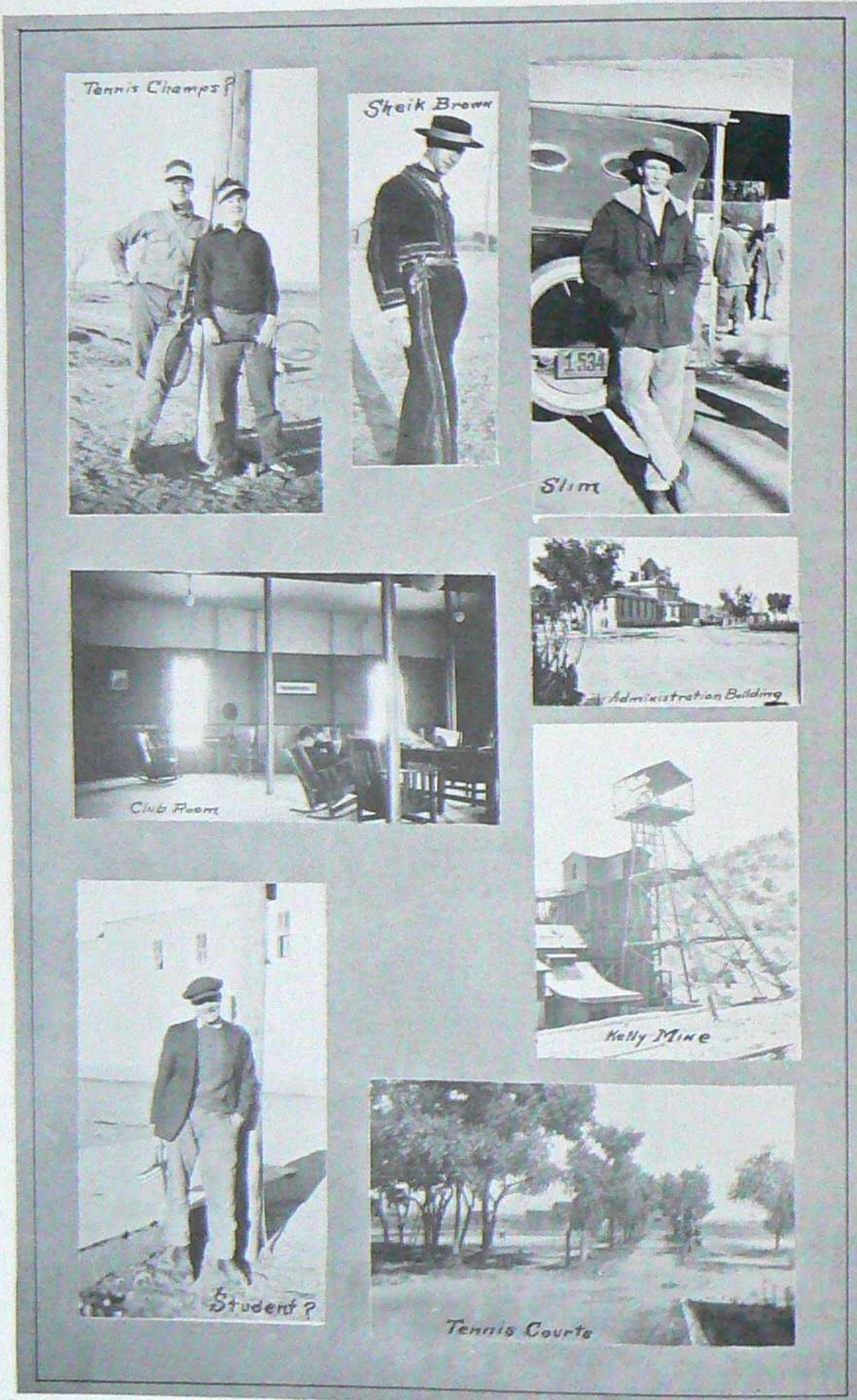
Graduates have been uniformly successful in obtaining and holding positions of responsibility at very good salaries.

Dormitories are maintained. The necessary expenses of attendance are unusually low.

Men who desire to take special work without receiving college credit are permitted to do so.

In contrast to many schools good work is not interfered with by overcrowded classes and laboratories.

E. H. WELLS, *President*



OH, ALAS! CRUEL WORLD, IT CAN NOT WAS.

ReICH was the music he played on his FYFE
 Because this is the day he will take a nice wife.
 She's a PIPPIN at that—you'll never go AMISs.
 Castles in the air and dreams of bliss
 Is what makes the world go by.
 Oh, how he wished he could fly.
 MAY'ER father give his BLESSINGS on the day of all days.
 Matrimony can not be solved like childrens' plays.
 He ROUNDS the corner and PARKS his little car
 A distance from the church, not exceedingly far.
 He's there to the minute, you see.
 He stood there like STEELE while he paid the parson his FEE.
 She's as happy as the BIRD they call MARTIN.
 Her spirit is high and will not darken.
 She LOVEDLACE as shown on her little BROWN head.
 No remarks as to how she kneads bread.
 TAIN'TER the guests all did say—
 She does not LOOK like herself in a natural way.
 TURN'ER about so we all might see, the POSEY of his heart.
 What on earth could keep them apart?
 The wind BLEWADAY ago that took the roof off his NEWHOUSE
 Ever since then he has been as crazy as a louse.
 WILISONs ever be so true and so nice,
 Not liars and so full of vice?
 But that JACK, SON of his, is just full of trouble
 Jack throws cats down in the WELLS to see if they bubble.
 Monday the day that sure is so blear,
 He goes down to the ditch and builds a big WEIR.
 Jack thought he was a prospector and went searching for ORR,
 But as far as he got was to play with a boar.
 He could not make the pig squeal until struck with a REED,
 However, the blows were not hard enough to make the pig bleed.
 He hit the cunning hog on the ——— Wait!
 The part that you LANDON when learning to skate.
 Those sons, Thomp, Jack and Wil with dirt behind their ears,
 Will GOFORTH in the world to be engineers.
 This might not be according to Hoyle
 But I don't care if it don't make you sore as a BOYLE.

DOES BECKER WANT A CARPENTER OR A PLUMBER?

December 27, 1924.

Shorty:

The pipe in room is leaking a riddle. Will leave door unlocked; please fix same.

D. BECKER.



Hezekiah



Mid Day



Pithecanthropus Erectus



Good old Summer time



Spring time



Ike



Cactus



Dress Parade



Frank



Gymnastics



Voyageurs

ALWAYS

FOR

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PAINT THE SURFACE AND SAVE ALL

*Little dabs of powder
Little specks of paint,
Make my lady's freckles
Look as if they aint.*

OH WHERE! OH WHERE CAN THEY BE?

*It was midnight on the highway
Not a damsel did I see.
Hawe's trap was on the byway,
Two weeks ahead of me.*

ONLY ONE GUESS, CRONIN

Cronin: "What did you do last summer, Slim?"

Tainter: "I made post holes."

Cronin: "How come?"

Slim: "I sawed up an old dry well but I broke some throwing them off the wagon."

SUCH IS CITY LIFE

Mary: "Ma, the garbage man is here."

Ma: "Tell him we don't want any."

SET 'EM IN THE SUN; HE'S ALL WET

Bill: "Why, your face is like a bucket today."

Jack: "Bucket? What do you mean?"

Bill: "Well, it looks a little pale."

NOTHING BUT THE TRUTH

Tourist: "Tell me, was ever a big man born here?"

Murdock: "Nope, as far back as I can remember the births have all been babies."

NEW ENGLAND THRIFT

Chapin buys nickel cigars because they last so long and are built so strong.

LOCUS OF A POINT

A certain class was asked to give the definition of the locus of a point. Shorty says that Gill Brown is the only low cuss around this point.

'NUF SED

Don Wilson: "What's the matter with him? Been looking upon the wine when it was red?"

Abe Amis: "No, looking on the alcohol when it was wood."

FRANK'S PANTS ARE CONCRETE

Teacher: "Now children, concrete objects are those that we can perceive with our senses and abstract objects are those that we can not perceive."

Frank: "Then my pants are concrete and — — —."

CHEAP LABOR

Magistrate: "Mr. O'Boyle, you are charged with breaking the display window of the Popular Book Store. Now what was your incentive for doing so?"

O'Boyle: "Yer, honor, there was a sign advertising scab labor. It says on the card GOLDSMITH & BURNS WORKS ALL THIS WEEK FOR \$4.50."

FRESHMAN-SOPHOMORE FOOTBALL GAME

FIRST QUARTER—Sophs kicked off to Capt. Harris, who fell off the bench for a yard and a half. Sixteen Frosh went over the hill as the Frosh backs were thrown for losses. Prof. Bennett, the sprinting referee, got off-side and penalized himself four long blasts of the whistle.

SECOND QUARTER—With the ball on Sophs 35-yard line, the Frosh team kicked. Capt. Pippin fell off the bench twice but failed to gain. Three Sophs, Mammers, J. W. Martin and O'Farrell were carried to the hospital in hysterics as the Frosh recovered the ball on the Sophs 25 yard line. Coach Murphy's grin obscured the sun as W. Gambon stopped them on the fourth down. The head linesman swallowed his whistle in the melee.

THIRD QUARTER—The sixteen Frosh who went over the hill were replaced by others just noisy. Capt. Harris broke three ribs and strained his larynx but failed to stop the touchdown. Ryan was disconcerted by the noise of the wind whistling through his mustache and bowed, thinking it was the crowd cheering him.

FOURTH QUARTER—Manager Jackson finished his tenth package of Chesterfields and started on a new carton. The sun glancing off Neuhauser's nose blinded Girault, causing him to miss a punt. Bill Staley, who starred as assistant linesman, ate a foot and three inches off the line stick as the Frosh gang made good a ten-yard pass. Coach Murphy borrowed his 482nd match just as the pistol cracked.

PAUL SENDS HIS DIPLOMA BACK FOR CORRECTION

Music conservatories award the degree of Bachelor of Music (B.Mu) on completing a prescribed course. Rounds completed his course with a reliable mail order house and received his sheep skin. On examining the skin, Paul found that the engraver made a grave mistake,—instead of being B Mu, it was B uM. (Harmonica).

OUT OF SEASON

Our friend Hoxie shot a rabbit in the month of October and he swears that he found eggs in the rabbit. Now a rabbit, (*Lepus corniculus*) is only supposed to lay eggs of various colors near Easter. Since this rabbit had eggs it must have been dead for some time before Hoxie shot it. Hoxie is so dumb he thinks a "single jack" is an un-mated jack rabbit.

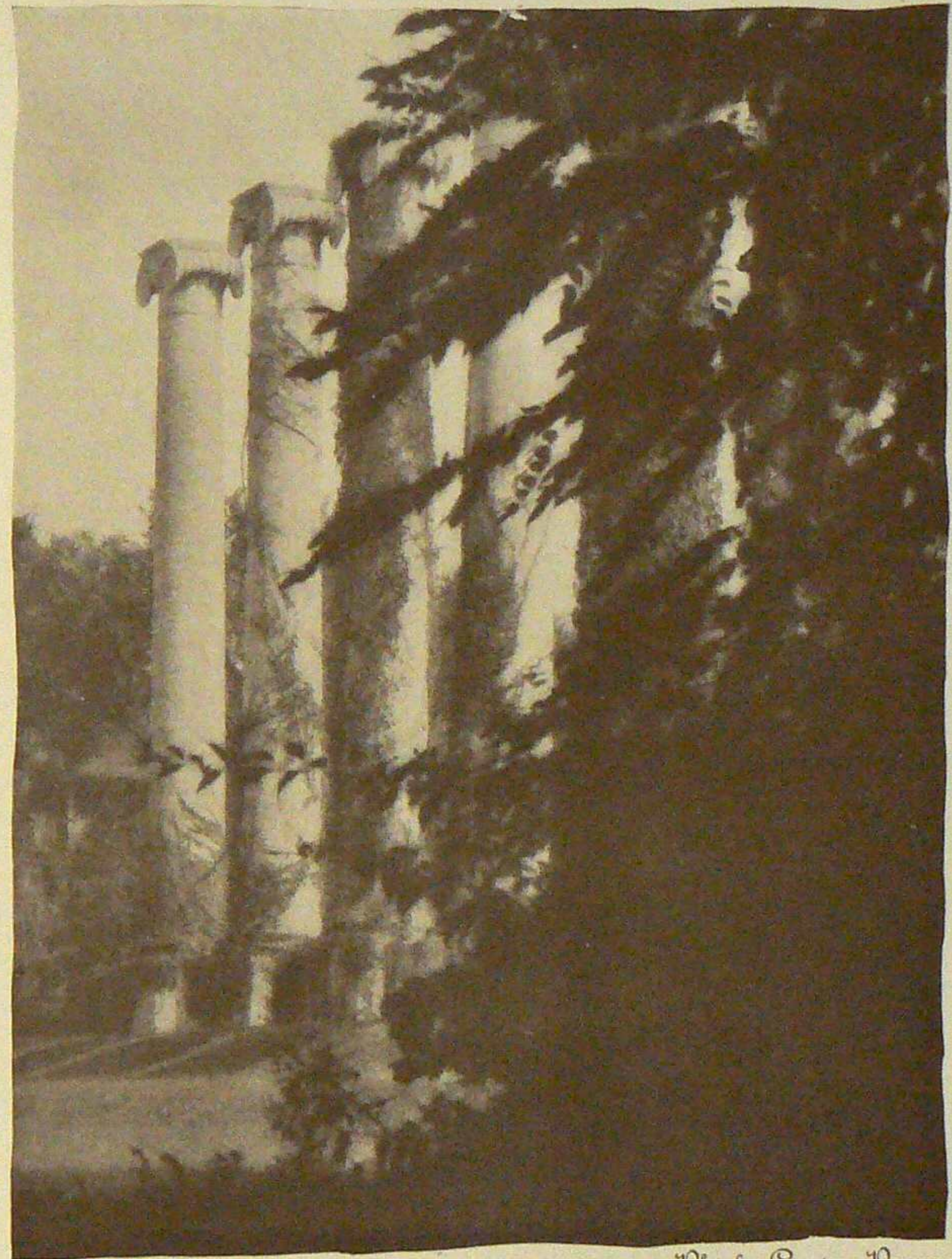


Plate by Courtesy Parsons.

The Columns
University of Missouri

Good pictures, well-printed, by Stephens, help make the annual.

(over)



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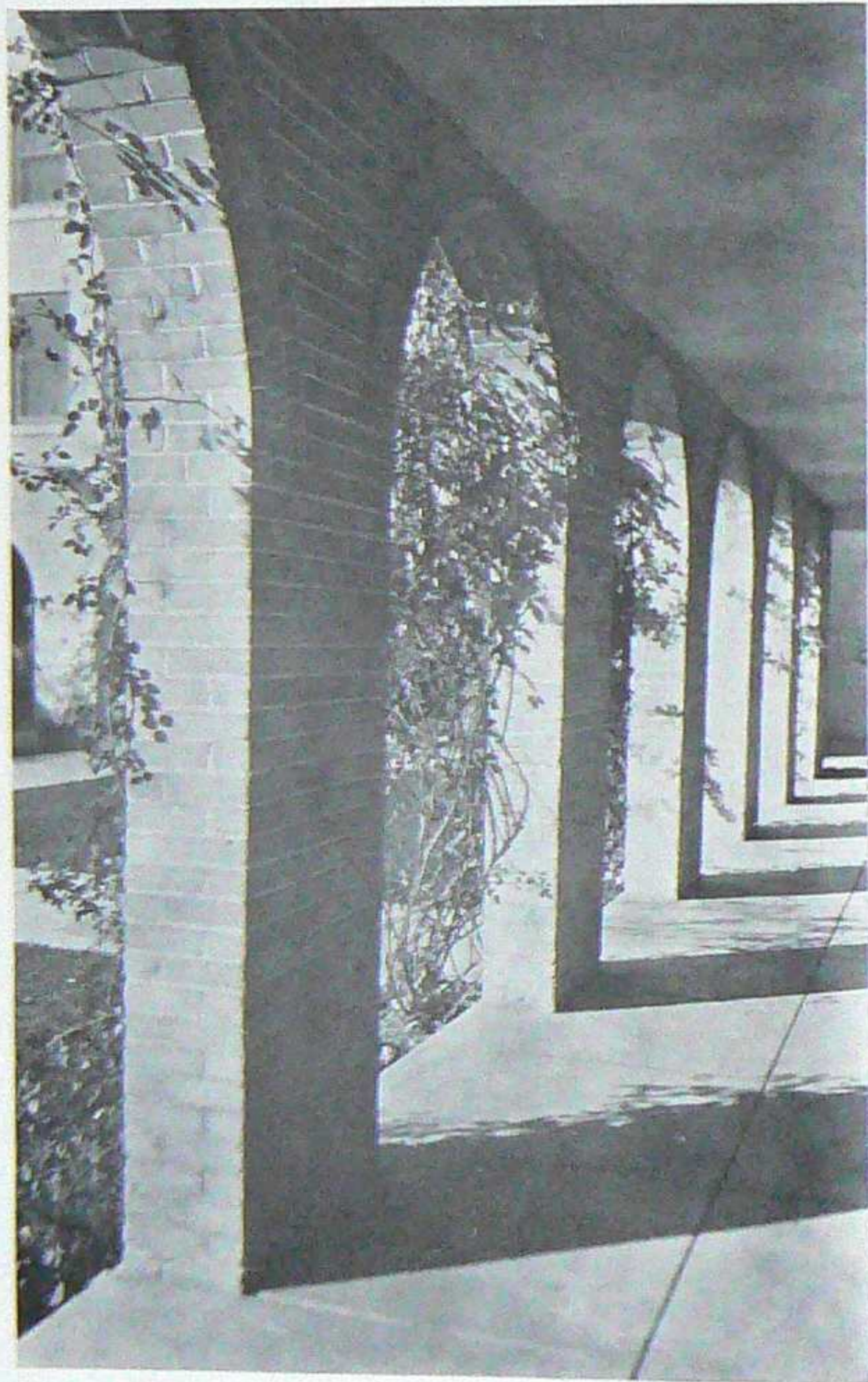
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