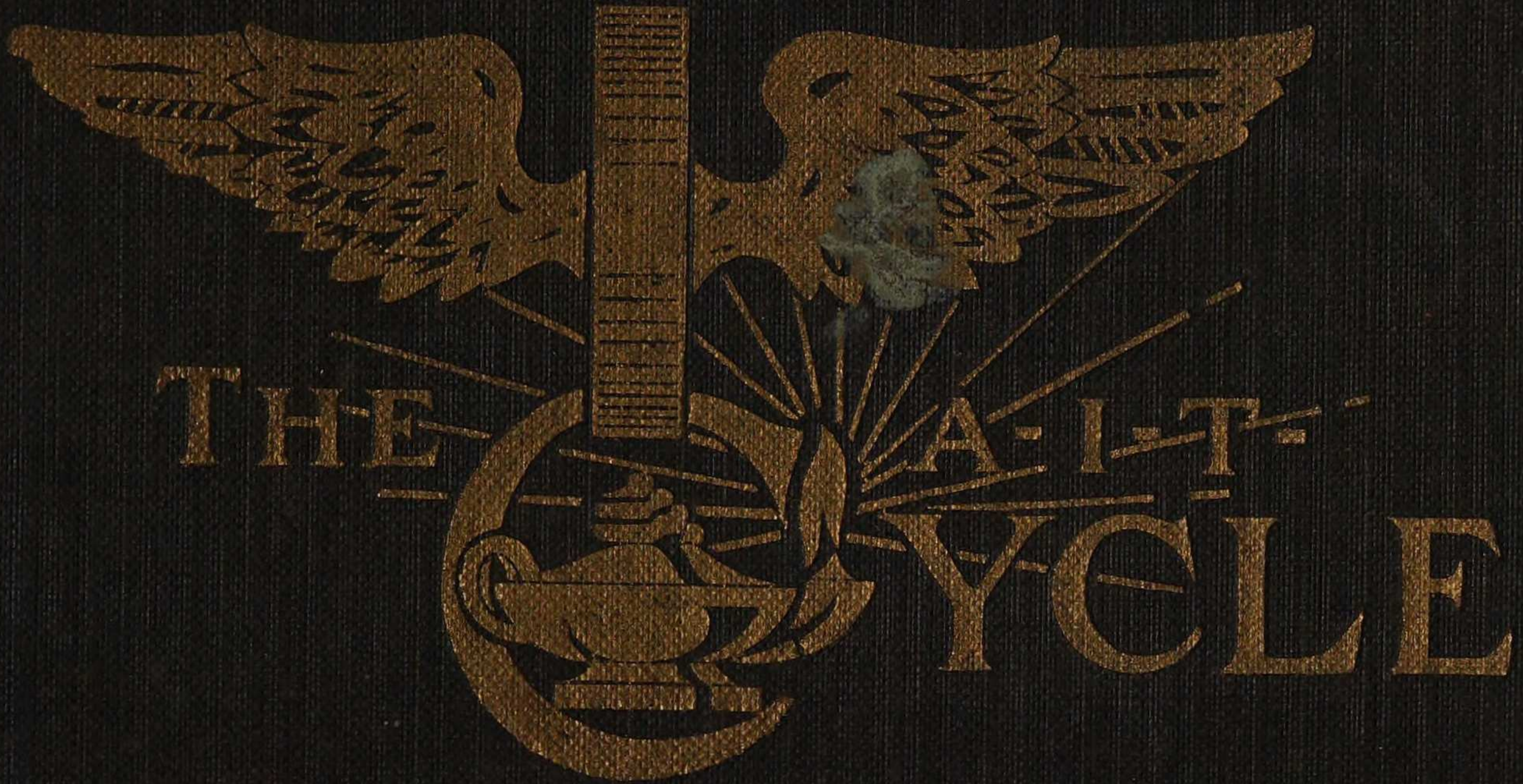
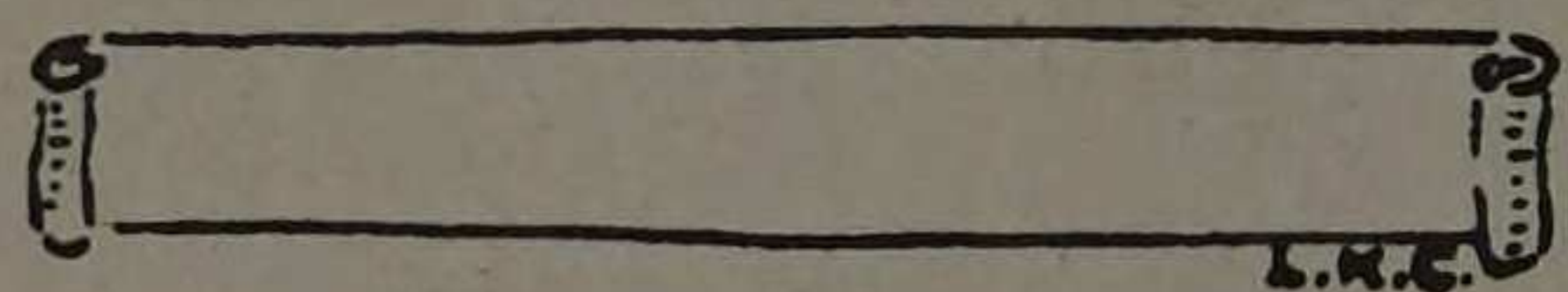


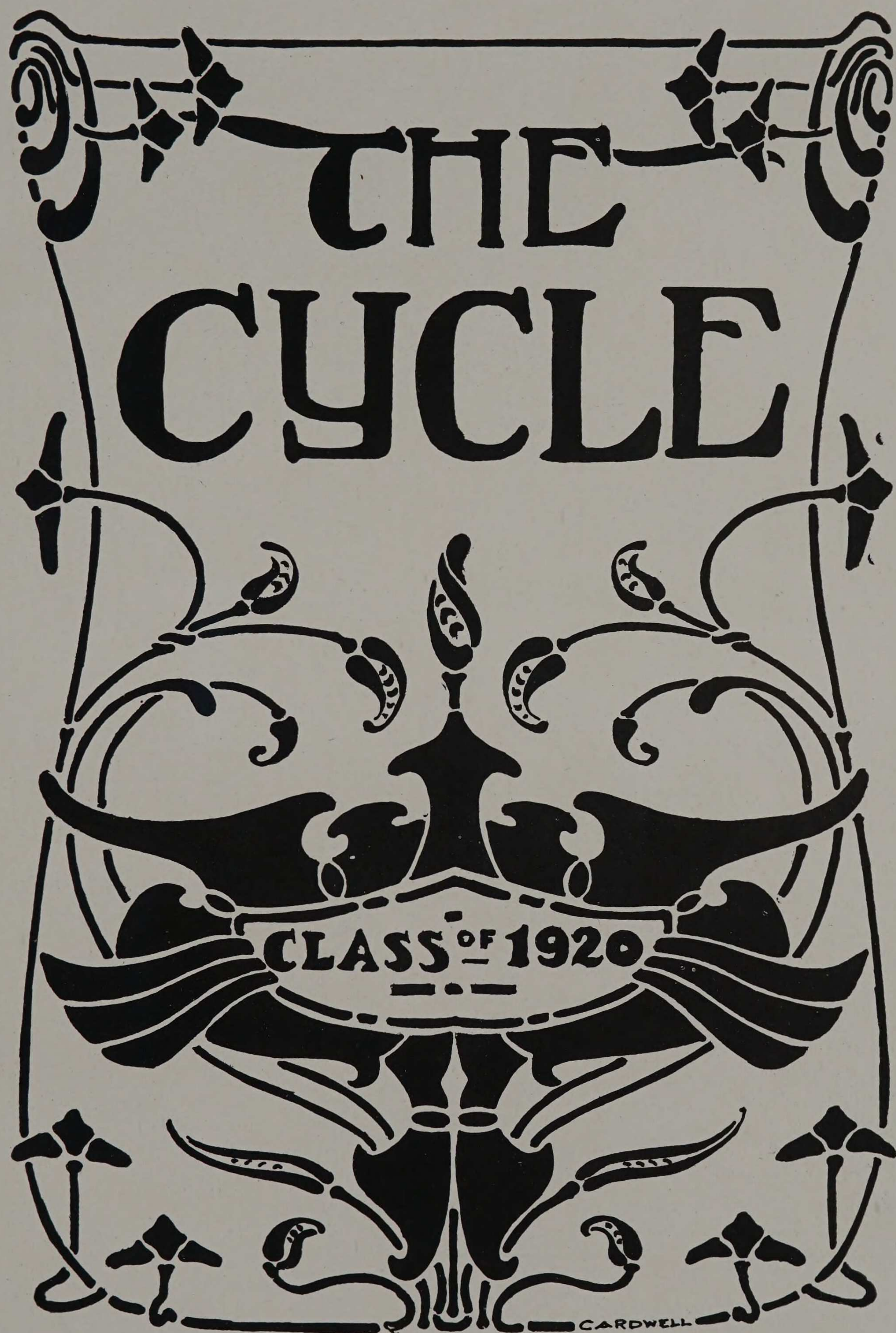
1919





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CLASS OF 1920

CARDWELL

GREETINGS



F. C. AINKLEY

The Cycle

THE STUDENT
ANNUAL OF

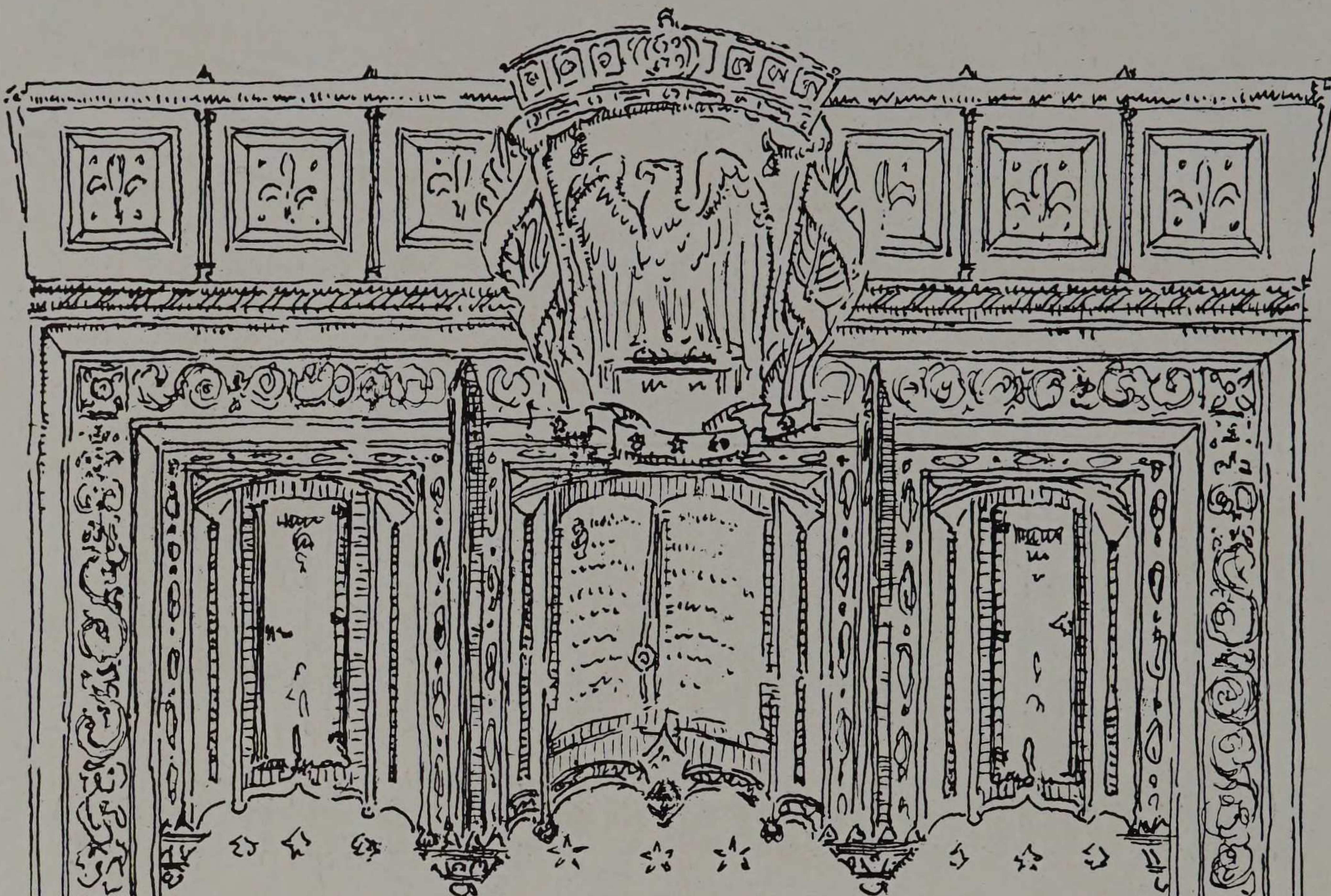
Armour Institute of Technology

CHICAGO
ILLINOIS



Published by the Cycle Board
for the Junior Class
of the College of Engineering

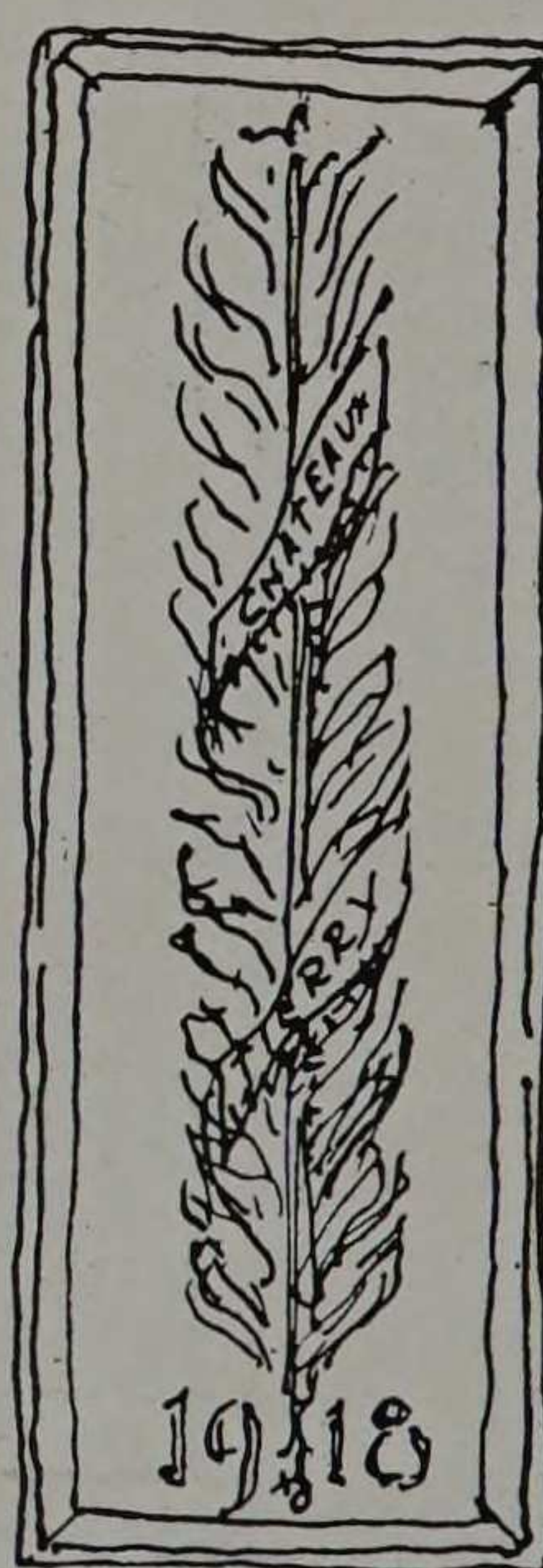
Volume Seven: Nineteen Hundred and Nineteen



A TRIBUTE TO THOSE
WHO GAVE THEIR LIVES
IN THE GREAT WAR



JEAN-PIERRE-DEZLIAUD
STANLEY DEAN
CHARLES ABBOT DEAN
JASPER J. FFRENCH
CLAUDE HILL
ENOCH N. SEVERIN
EINAR L. NIELSON



ARMOUR INSTITUTE
OF
TECHNOLOGY

1919

Stanley Dean, B. S., C. E.

...

Associate Professor of Hydraulic Engineering
Armour Institute of Technology

■

Captain, Quartermaster's Corps
United States Army

STANLEY DEAN, the son of John Dean and Elizabeth Stevenson Findlaw Dean, was born in Manchester, England, in 1879.

At the age of nine years he came to the United States with his parents, his father being engaged in engineering contracting at that time. His education was obtained in various schools, mostly in the South and West as his father's business necessitated moving from place to place.

In 1901 he entered Washington University, St. Louis, Mo., remaining two years. The family then settling in Chicago, Stanley entered the Civil Engineering Department of the Armour Institute of Technology, graduating in 1905. He received the degree of Civil Engineer from the Armour Institute of Technology in 1910.

The same year, Mr. Dean was appointed Instructor in Civil Engineering at Armour Institute, having charge of instruction in Hydraulics, Water Power, Reinforced Concrete and General Construction, methods and costs. In 1912 he was made Assistant Professor of Civil Engineering and in 1917, Associate Professor of Hydraulic Engineering.

In January 1918 he resigned to become Principal Assistant to Supervising Engineer, Department of Constructing Quartermaster, Camp A. A. Humphreys, Accotink, Va., in charge of railroad location, general surveys and dock construction. He received a Captain's commission on August 24, 1918 and was then Supervising Engineer in the Constructing Quartermaster's Corps at Camp Humphreys, Va. He was supervising the building of a dam and power plant at Springfield, Va., in connection with Camp Humphreys, when he was instantly killed October 2, 1918 at a railroad crossing.



Stanley Dean, B. S., C. E.

DEDICATION

He was on his way in an auto to the dam at Springfield. A colored chauffeur was with him but he was driving at the time. The crossing at this place is very dangerous, the view of the tracks being obstructed. He had waited for a train to pass and then started across the tracks only to be caught by a fast train from the opposite direction. The chauffeur jumped and escaped without injury, but Captain Dean in trying to save himself and the car, stalled the engine and then jumped to save himself. He was struck and thrown one hundred feet, the blow killing him instantly.

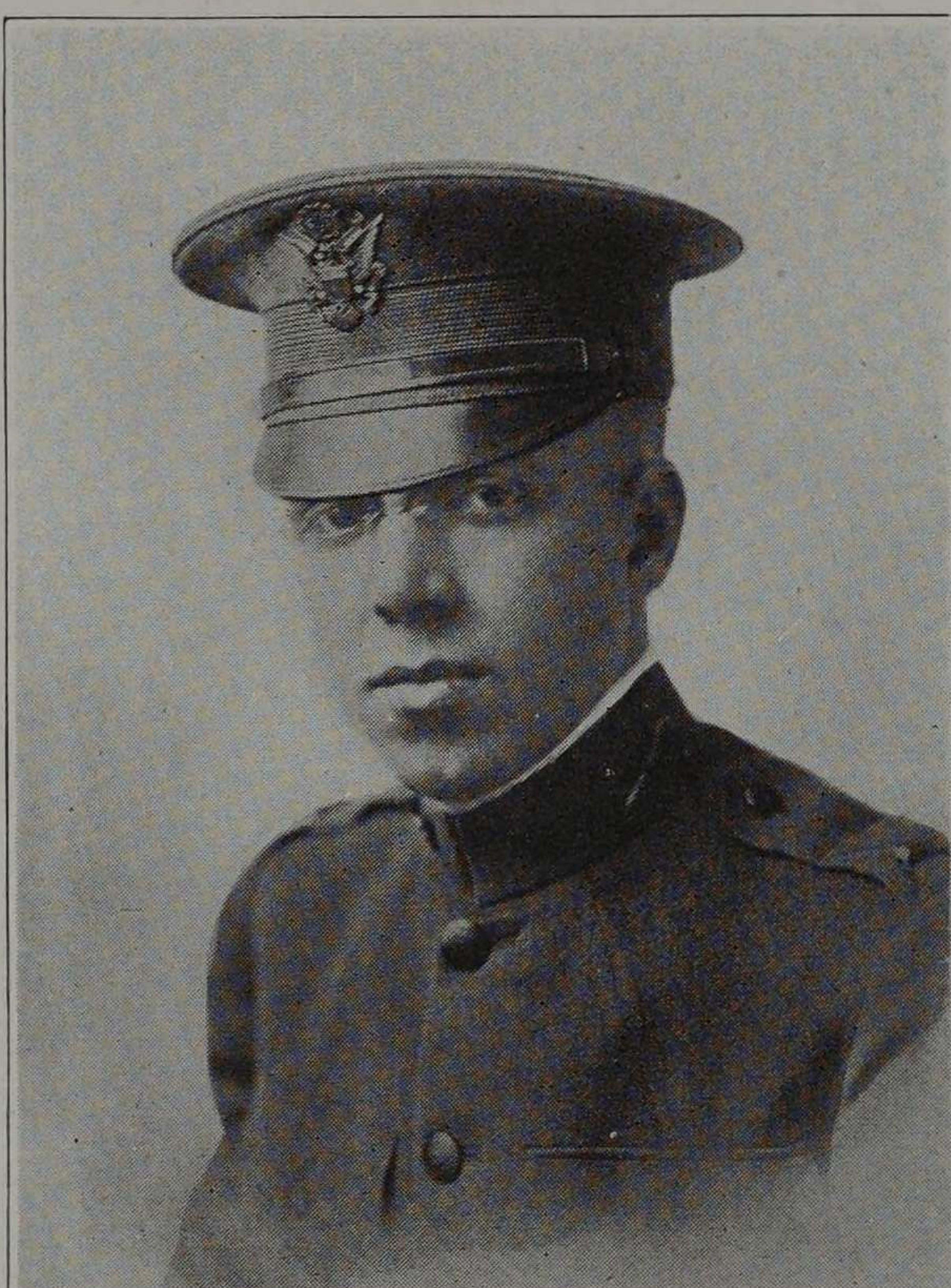
As a student, instructor, engineer, and a man among men, Stanley Dean was one in a thousand. Absolutely honest, upright, clean, mentally and morally, he commanded the love and respect of all with whom he came in contact. He possessed a keen analytical mind, infinite patience and ability of concentration that was reflected in whatever he undertook. He loved to teach and his professional experience combined with up-to-date knowledge of his specialty, made him an ideal instructor.

Stanley Dean was married December 14, 1913, to Miss Ellen Hallaway of Schaghticoke, New York, who, with a daughter, survives him.

He was elected Associate Member of the Am. Soc. C. E. on April 1, 1908. He was also a member of Sigma Kappa Delta, Beta Theta Pi, and Tau Beta Pi fraternities.

"Stanley Dean was the type of man to whom a young man in the Armour Institute of Technology might look with admiration and affection. Wordsworth's saying that 'We live by admiration, thought, and love,' must always be remembered when teachers are provided for ambitious youth, such as throng the halls of the Armour Institute of Technology, and there has never been a regret upon the officers of our institution that Stanley Dean held the place of love and thought and admiration in the minds of our students. Goodness is greatness, and the knightly manner of a true gentleman will ever be associated with our departed associate and friend."

FRANK W. GUNSAULUS.



Jean Pierre Bechaud

Jean Pierre Bechaud

Class of '17

...

JEAN PIERRE BECHAUD enlisted in May 1917, attending the First Officers' Training Camp at Fort Sheridan, Ill. After five weeks of continuous training he was sent to Fortress Monroe to continue his training in the Coast Artillery. On the 15th of August he received his commission as Second Lieutenant of the Coast Artillery. The 22nd of August he married Miss Viola Mitchell of Fond du Lac, Wis., and immediately after the wedding left for Fort Wright, New York, where he was stationed.

Shortly after his arrival at Fort Wright he was promoted to First Lieutenant. During all this time his one hope and ambition was that he would get overseas, for he thought that he had remained here long enough as it was. He was Material Officer and one of Colonel Dorsey's staff officers.

On April 10, 1918, a sergeant suddenly became insane, shooting seven soldiers and killing five. Lieut. Bechaud was in the Material office when he heard the shooting. Running to the door he saw one of the men fall from an upper story window of one of the cantonments. He ran to pick up the wounded soldier and as he was about to do so, the crazed sergeant fired and shot Jean through the abdomen. He was immediately rushed to the hospital and specialists summoned from New York and Boston. They proclaimed his condition critical but had faint hopes that he would pull through. This happened on a Wednesday morning and on Friday morning he passed away. He had been conscious up until almost the last. His father and mother had been summoned but they arrived too late to see their son alive.

Lieut. Bechaud was the first man from Fond du Lac to make the supreme sacrifice. Among his classmates there was no man liked and admired better than "Pinky" Bechaud. He was a member of Phi Kappa Sigma fraternity.



Charles Abbot Dean

Charles Abbot Dean

...

LIEUTENANT CHARLES ABBOT DEAN, the son of Mr. and Mrs. Arthur A. Dean of Chicago, Ill., died on June 29th of wounds received in action. He volunteered in the Engineer Corps in April, 1917, the first month of the war.

He was sent to Fort Leavenworth where he received his training and was commissioned a Second Lieutenant. In January, 1918, he sailed for France and was assigned to the 2nd Engineers at Verdun, and then moved with his regiment near Paris. At the time when the enemy was advancing on Paris, he participated in all the severe fighting that his division was engaged in. He led one of two commands that relieved sections of the Fifth and Sixth Marines at Lucy.

On June 28th, advancing to a new position south of Chateau Thierry under heavy artillery fire, he stopped at the Battalion Headquarters for instructions and as he left the building to rejoin his platoon, a shell exploded nearby, fragments of which made ugly wounds. He was taken to the La Ferte Hospital, but died the following day and was buried in a French cemetery at La Ferte, France.

Charles Dean was graduated from Armour Institute, the Department of Civil Engineering, with the Class of 1914. He was a member of Delta Tau Delta and Tau Beta Pi fraternities.



Jasper J. French

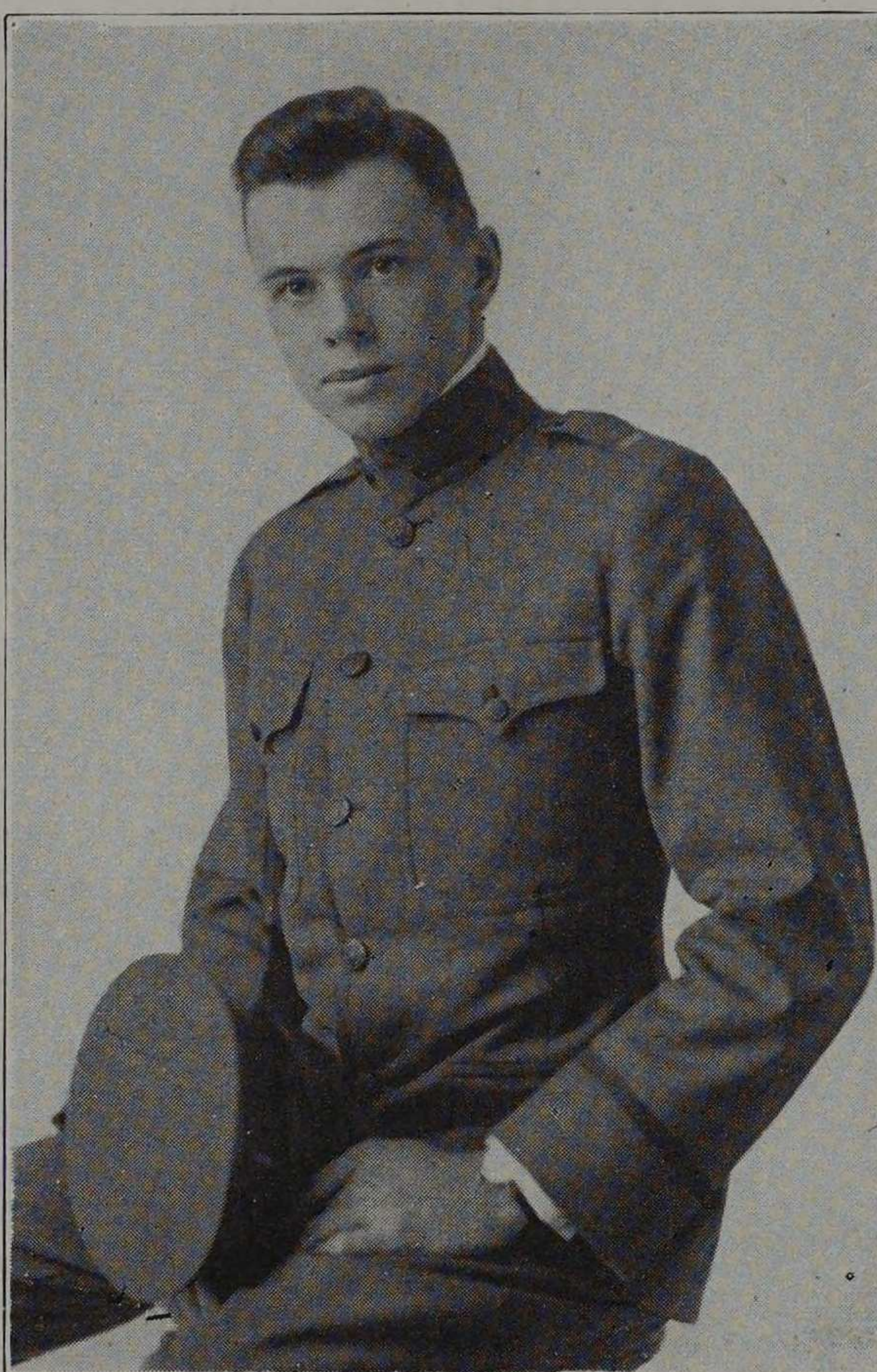
Jasper J. Ffrench

...

LIEUT. JASPER J. FFRENCH the son of the late Charles Ffrench and Mrs. Florence Ffrench, met with a fatal accident on October 15, 1918, while flying at Payne Field, West Point, Miss. He was a graduate of Notre Dame University, later a student of architecture at Armour Institute, and at the time of entering service was studying law at Northwestern University.

He was among the first Chicago boys to enter service after war was declared, and qualified for the First Officers' Training Camp at Fort Sheridan. Due to his fascination for the air service, however, he decided to try for the Flying Corps. He was then sent to Texas where he completed his ground school training. He obtained his commission as Second Lieutenant and was kept at Dallas as an instructor.

He met with an accident while carrying a pupil at 3,000 feet. The machine caught on fire, became unmanageable, and crashed to the earth, where he was instantly killed. The student, although injured, recovered.



Claude B. Hill

Claude B. Hill

...

LIEUT. CLAUDE B. HILL, the only son of Dr. and Mrs. Charles Hill, was born in Seattle, Wash., on August 13, 1894. He graduated from Hyde Park High School, Chicago, in February, 1913, entered Armour Institute the same year and in 1916 completed the course in Fire Protection. On May 9, he enlisted with the First Officers' Training Corps at Fort Sheridan and in June was stationed at Ft. Leavenworth, Kansas. Commissioned as Second Lieut. in the Engineers in August, he was assigned to Camp Custer, Michigan, Co. A, 310th Engineers. On July 20, 1918, he sailed from New York with the 85th Division, landing at Archangel, Russia, on September 1st.

It was in Russia that he met his terrible fate. He and his platoon had been sent to Seltsoe on the Dvina river. On October 8th he was ordered by the commander of forces at Seltsoe to bring in a tug deserted by its Russian captain and crew. He was under fire all the time and in order to get back before daylight was forced to abandon the tug. Attempting to swim across, they were carried down by the current before assistance could reach them.

While at "Armour" he had been active in athletics, and was three years catcher on the "Armour" baseball team. He was also a member of Phi Kappa Sigma fraternity.



Einar L. Nielson

Einar L. Nielson

...

EINAR L. NIELSON, the son of Mr. and Mrs. Chris Nielson, was born in Cedar Falls, Iowa, November 8, 1896. He graduated from Cedar Falls High School in 1914 and attended a year at the State Teachers' College. The next three years were spent at Armour Institute, where he entered the Mechanical Engineering course.

In the spring of 1918 he enlisted in the Merchant Marine, and in the fall took an examination for second assisting engineer, in which capacity he was working on the Manola. During the summer he had been to New Orleans on the steamship Mormus and also to Italy on the Westlake. It was when he was on his way to Montreal preparatory to crossing the Atlantic again that he met his tragic fate. Something went wrong with the vessel, which began to sink, and he was entrapped and carried down with it.

Einar held the respect and admiration of all who knew him, being a man of irreproachable character and unquestionable patriotism. He was a member of the Omega Lambda fraternity.



Enoch N. Seberin

Enoch N. Severin

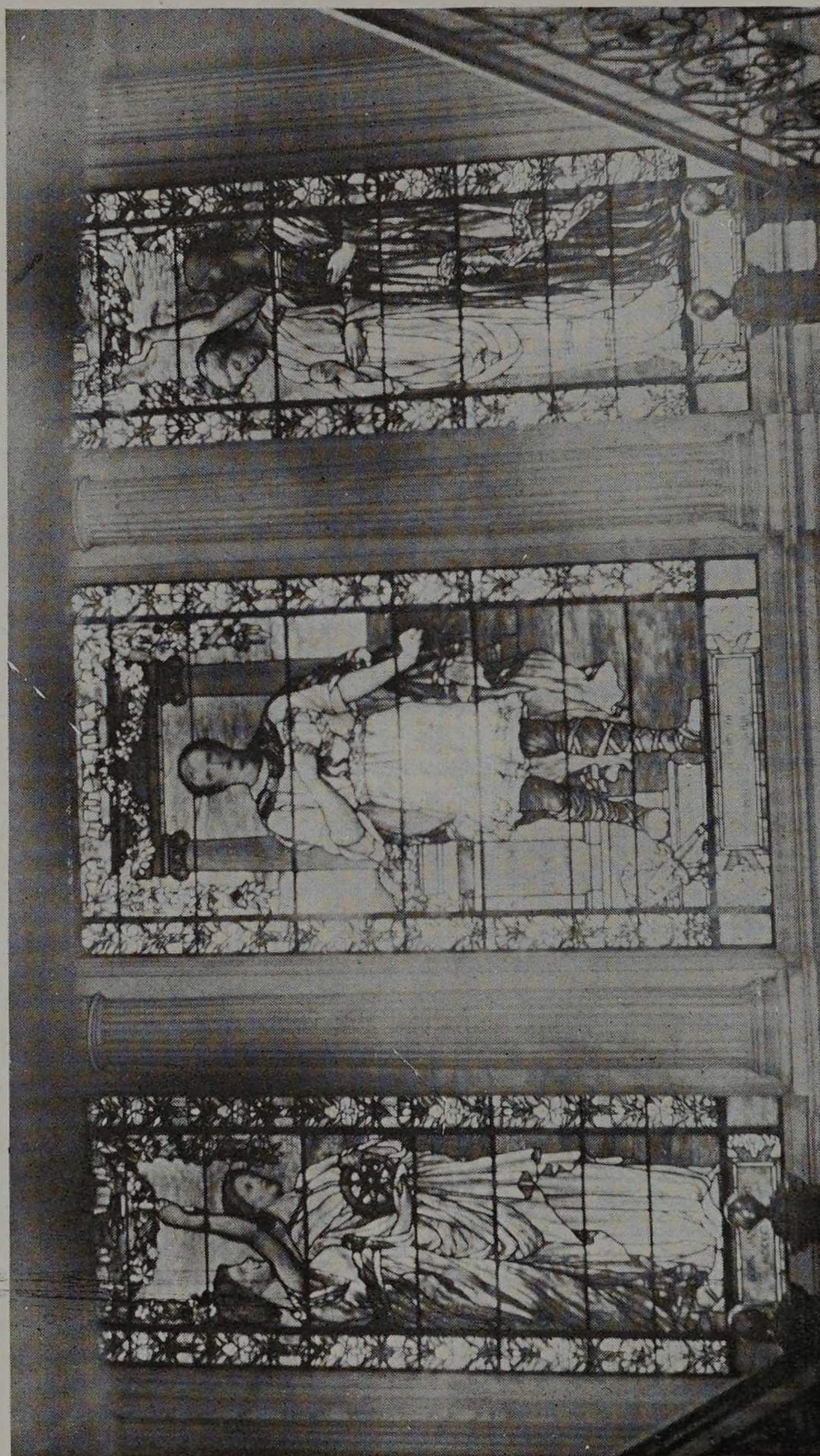
...

SERGEANT ENOCH N. SEVERIN, the son of Mr. and Mrs. N. P. Severin, was born in Chicago on January 21, 1893. He graduated from Crane Technical High School in June, 1911. The following year he attended Armour, and in June, 1912, entered into his father's contracting business, in which he was engaged until he enlisted in the army on February 24, 1918.

He was first stationed at Camp Grant, but on the third of May was sent to the Engineer Officers' Training Camp at Camp Lee, Virginia. Enoch made excellent grades at this camp, and would have received his commission but for an accident to his knee which prevented his attending the examinations during the latter part of his course. In July he was sent to Camp Forrest, Georgia, where he was immediately made a sergeant. During his stay here he did a great deal of topographical work.

On the 29th of September, he left for Camp Upton, New York, and embarked for France on the 30th of the same month. He had contracted influenza while at Camp Upton, which developed into pneumonia during the time that he was crossing the Atlantic aboard the S. S. "George Washington." It finally got the best of him and on Sunday, October 6th, he passed away.

In a letter to his parents, the sergeants of his company wrote: "There is not a man in the company who has not grown to love Sergeant Severin because of his ever-ready willingness to help any one who needed him."



Memorial Window



J. Ogden Armour
Mrs. J. Ogden Armour
Lolita Armour
Mrs. Philip D. Armour
Philip D. Armour
Frank W. Gunsaulus
Robert J. Dunham





THE PRESIDENT

FRANK WAKELEY GUNSAULUS

Birthplace, Chesterville, Ohio. A. M., Ohio Wesleyan University, 1875. D. D., Beloit College, 1895. LL.D., Ohio Wesleyan University, 1906. Beta Theta Pi. Member of American Social Science Society, Academy of Arts and Sciences, etc. Author of "Phidias and Other Poems," "Songs of Night and Day," "Transfiguration of Christ," "Monk and Knight," "Life of William Ewart Gladstone," "Metamorphosis of a Creed," "November at Eastwood," "Loose Leaves of a Song," "The Man of Galilee," "Paths to Power," "Higher Ministries of Recent Poetry," "Paths to the City of God" and "The Minister and the Spiritual Life." Residence, 2819 Prairie Avenue.

■ ■ ■

THE COMPTROLLER

FREDERICK URLING SMITH

Birthplace, Manchester, England. Private Schools in England. Bonn University. Identified with Armour & Co. for twenty-six years. Assistant Treasurer and Business Manager of Armour Institute of Technology, 1893. Comptroller, 1902. Residence, 710 East 51st Street.

■ ■ ■

THE DEAN OF THE CULTURAL STUDIES

LOUIS CELESTIN MONIN

Birthplace, Berne, Switzerland. University of Leipzig, 1878-1879. University of Zurich 1879-1881. High school teacher in Switzerland and Italy, 1881-1886. University of Heidelberg, 1886-1888. Post-graduate student University of Lake Forest, 1889-1891. Ph.D., University of Lake Forest, 1891. National Secretary of Zofingia (Fraternity) of Switzerland. President of the Department of Technical Education of the National Education Association, 1907-1909. Instructor in Philosophy, University of Chicago, 1891-1893. Assistant Professor of Education (Summer Quarter), University of Chicago, 1897. Professor of Modern Languages and later Professor of Economics and Philosophy and Dean of Cultural Studies, Armour Institute of Technology, 1892. Residence, Hotel Windermere, 56th Street and Cornell Avenue.

■ ■ ■

THE DEAN OF THE ENGINEERING STUDIES

HOWARD MONROE RAYMOND

Birthplace, Grass Lake, Michigan. B. S., University of Michigan, 1893. Post-graduate work in Physics and Electrical Engineering, University of Michigan, 1894. Phi Delta Theta. Tau Beta Pi. Member of the Society for the Promotion of Engineering Education; and American Association for the Advancement of Science. Residence, 6200 Kenwood Avenue.



Officers of Administration

...

The President

FRANK WAKELEY GUNSAULUS

The Comptroller and Secretary

FREDERICK URLING SMITH

The Dean of the Cultural Studies

LOUIS CELESTIN MONIN

The Dean of the Engineering Studies

HOWARD MONROE RAYMOND

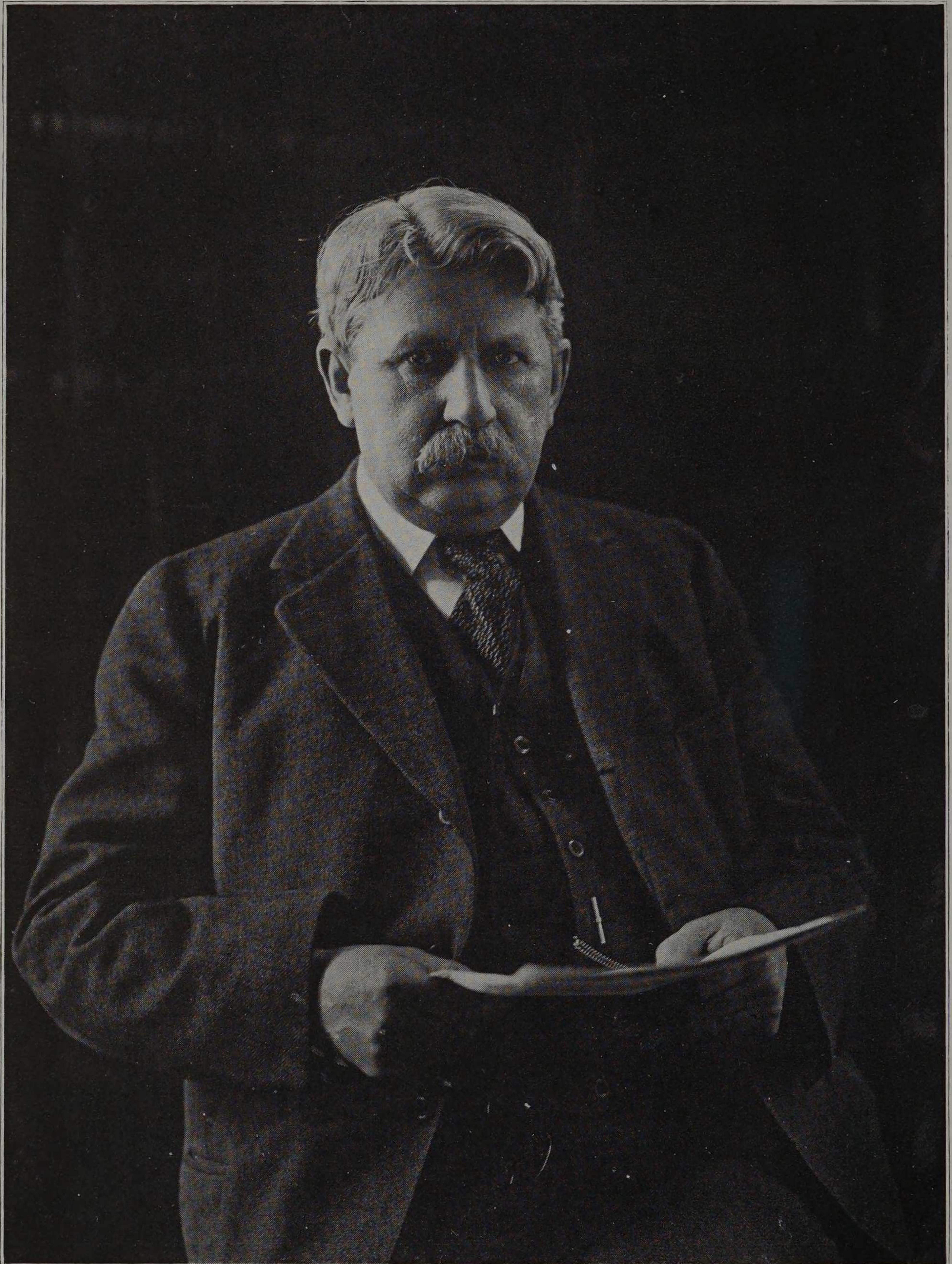
The Registrar

GEORGE SINCLAIR ALLISON

The Librarian

JULIA BEVERIDGE





Dr. F. W. Gunsaulus



ONE Sunday in the early '90s Dr. F. W. Gunsaulus, then pastor of the Plymouth Church at 26th Street and Michigan Boulevard, preached a sermon lamenting the lack of preparation which young people receive to face the practical needs and duties of life. One of the members of the church, Mr. Philip D. Armour, was deeply impressed because his interest in the practical training of young people had already been awakened to some extent by observing the work done under the direction of Mrs. Julia A. Beveridge at the Armour Mission. The Armour Mission had been built by Mr. P. D. Armour to carry out the wish of his brother, Mr. Joseph Armour, who had left a bequest of \$100,000 for that purpose. The building was opened in 1886. The popularity of the classes in manual training and domestic arts held in the Mission, together with the influence of the suggestions of Dr. Gunsaulus, induced Mr. Armour to erect and endow munificently an institution devoted to practical and liberal education, and the institution which now bears his name is a fitting and enduring monument to the ideals for which Mr. Armour stood.

In order to crystallize the ideas concerning the proposed institute, a trip to the various colleges in the East and in Europe was made by Mr. Armour and Dr. Gunsaulus. The organization of the Board of Trustees consisting of Mr. Philip D. Armour, Jr., and Mr. J. E. Black followed upon the return of Mr. Armour and Dr. Gunsaulus.

1892 saw the completion of a handsome and spacious building, and what is now known as the Main Building, but it was not, however, until the fall of 1893 that the first classes were organized.

The original program of the Institute included the Technical College comprised of Mechanical Engineering, Library Economy, and Architecture; the Scientific Academy; and the Associated Departments of Arts and Sciences, Commerce, Music, and Kindergarten Normal Training. The union with the Art Institute in inaugurating the Architectural Department was made in the early part of 1893 and the Armour Institute developed the course which the Art Institute had successfully established in 1889.



Dr. Gunsaulus, as president, was assisted by a small, but very efficient faculty, of which Prof. L. C. Monin, Prof. John E. Snow, Mrs. Julia A. Beveridge, and Mr. Agle are still associated with the institute. The Trustees very generously fostered the growth of the new institution. Mention must also be made of the work of Mr. F. U. Smith, who, as Secretary of the Board of Trustees and Comptroller of the Institute, has, since the inception of the Armour Institute of Technology, taken the keenest interest in everything that would contribute to its progress and efficiency.

In 1895 the name was changed from Amour Institute to Armour Institute of Technology as a more fitting title.

In 1896 the course in Library Science was removed to the University of Illinois at Champaign and the Commerce course was discontinued. In their stead the course of Civil Engineering was added and has, together with the other engineering courses, been constantly strengthened and improved upon.

The course in Kindergarten Normal Training was discontinued in 1900 and a year later the Domestic Art course was taken over by the Chicago Women's Club and is now located in the Tower Building, where very good work is being done. Mrs. Philip D. Armour, Sr., very generously donated the necessary equipment to the Women's Club for the maintenance of this course.

It was decided in 1901 that the Scientific Academy would admit no new girl students but that those then enrolled would be permitted to complete their course. The course of Chemical Engineering was added to the engineering courses and the name Technical College was changed to College of Engineering.

The Evening Classes were installed in 1902 and have since proved to be most popular with young men who are employed during the day and who desire to take advantage of the opportunity to acquire an engineering training that is thus placed within their reach. The Summer Courses were first offered at the same time and have become helpful to those students who desire additional studies.

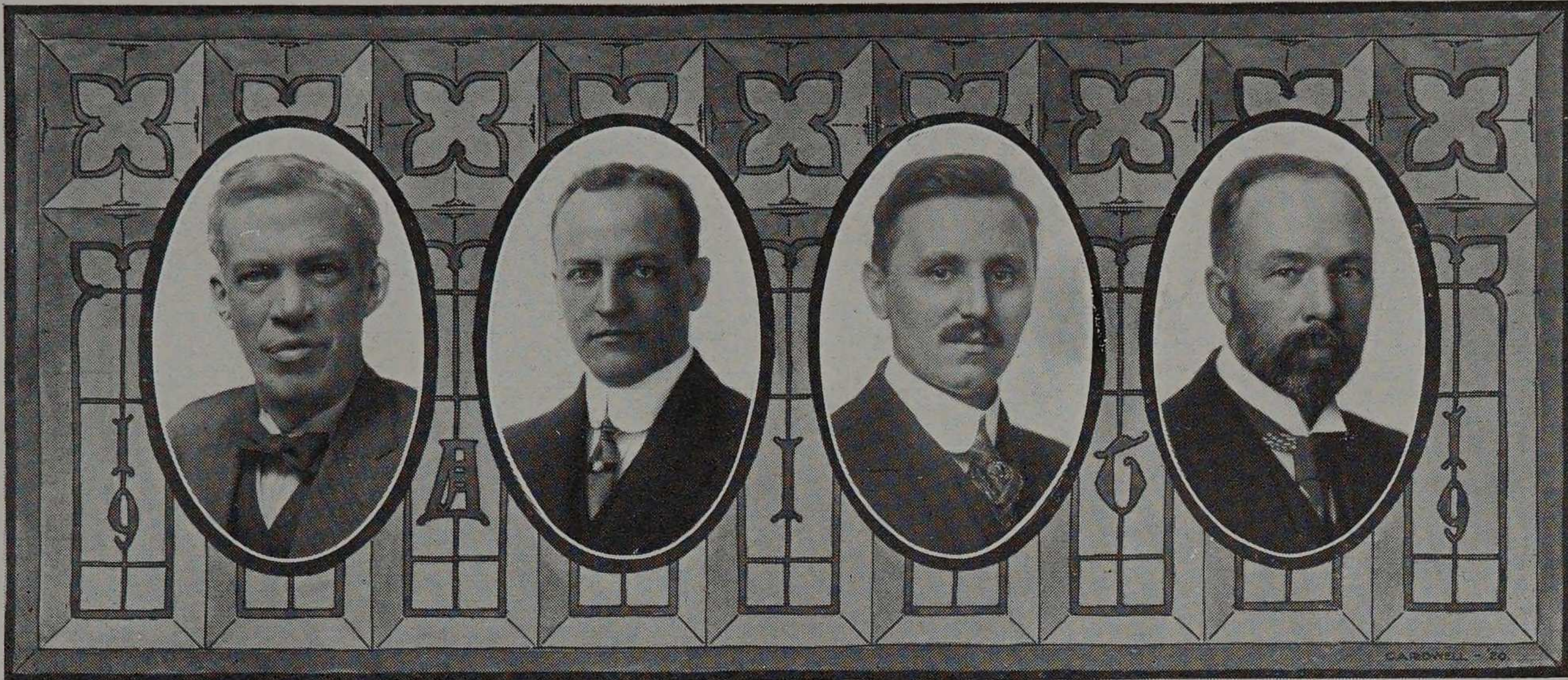
In 1902 Mrs. P. D. Armour donated the building known as Machinery Hall, while Mr. J. Ogden Armour bore the expense of providing and installing the equipment for all of the shops which are to be found there.

Ogden Field, the athletic and drill field of Armour Institute, was presented to the institute by Mr. J. Ogden Armour in 1904 and its presence has greatly stimulated the interest in athletics among the students and the faculty.

Two additions have been made to the Institute since the erection of Machinery Hall. In 1908 the Refrigeration Laboratory with complete equipment, was built and in 1917 was added the Internal Combustion Engine Laboratory. This is the best and most complete laboratory of its kind in the United States, a fact of which all Armourites are justly proud.

Twenty-six years have stamped Armour as an exponent of progress. Among the colleges ever ready to advance the cause of practical science, to take the lead in spreading worthy technical movements, and even to assume the initiative by introducing new courses to the technical educational world, A. I. T. must always be classed with the foremost. Changing conditions in the industrial and educational fields have been promptly realized and intelligently met, with no hesitation induced by false sentiment.





ALFRED EDWARD PHILLIPS

Professor of Civil Engineering.

Birthplace, Rouse's Point, New York.

A. B. and C. E., Union University, Schenectady, N. Y., 1887; A. M., 1890; Ph. D., 1894.

Phi Delta Theta; Sigma Xi; Tau Beta Pi; Member of American Society of Civil Engineers.

Residence, 307 Davis Street, Evanston.

GEORGE FREDERICK GEBHARDT

Professor of Mechanical Engineering.

Birthplace, Salt Lake City, Utah.

A. B., Knox College, 1895. M. F., Cornell University, 1896. A. M., Knox College, 1897.

Phi Delta Theta; Tau Beta Pi; Member of American Society of Mechanical Engineers; Western Society of Engineers; National Association of Stationary Engineers.

Residence, 5063 Kenmore Avenue.

GEORGE LAWRENCE SCHERGER

Professor of History and Political Science.

Birthplace, Lawrenceburg, Indiana.

A. B., University of Indiana, 1894. Universities of Leipzig and Berlin (1895-98). Ph.D., Cornell University, 1899.

Member of American Historical Association; City Press Club.

Author of "Evolution of Modern Liberty."

Research work on "French and American Declaration of the Rights of Man."

Residence, 436 East 46th Street.

GUY MAURICE WILCOX

Professor of Physics.

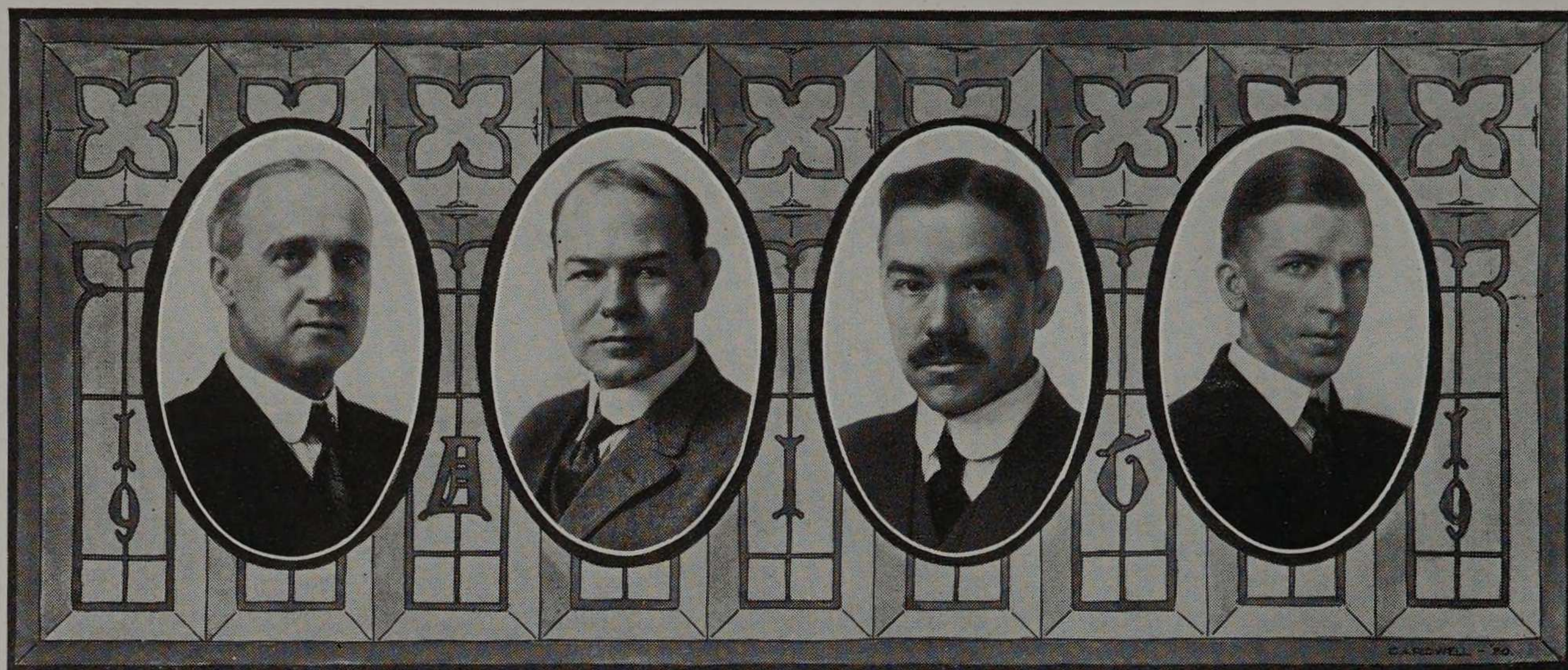
Birthplace, Kansas City, Kansas.

A. B., Carleton College, 1891. A. M., University of Wisconsin, 1902. Member of American Physical Society and Fellow of the American Association for the Advancement of Science.

Author of "Physics Laboratory Manual."

Research Work on "Optical Rotary Power of Sugar in Non-Aqueous Solutions."

Residence, 5225 Ingleside Avenue.



RONALD FRANCIS CAMPBELL

Professor of Mathematics.

Birthplace, Nova Scotia.

B. A., Dalhousie College, Halifax, Nova Scotia, 1890; B. A., Harvard University, 1893. A. M., 1895; Ph. D., 1898.

Author of "Elements of Differential and Integral Calculus." "A Short Course in Differential Equations." Research Work in Differential Equations.

Residence, 1209 Hinman Avenue, Evanston, Illinois.

HARRY McCORMACK

Professor of Chemical Engineering.

Birthplace, Spencer, Iowa.

B. S., Drake University, 1896. M. S., University of Illinois, 1899.

Member of American Chemical Society; American Institute of Chemical Engineers; American Electro-Chemical Society; American Society for Testing Materials.

Author of Journal Articles on Metallurgy and Industrial Chemistry.

Research Work in Metallurgy and Industrial Chemistry.

Residence, 5545 University Avenue.

ERNEST HARRISON FREEMAN

Professor of Electrical Engineering.

Birthplace, Topeka, Kansas.

B. S., Kansas State Agricultural College, 1895. E. E., Armour Institute of Technology, 1905.

Tau Beta Pi.

Member of American Institute of Electrical Engineers; Western Society of Engineers; Society for the Promotion of Engineering Education.

Residence, 601 Laurel Avenue, Wilmette, Ill.

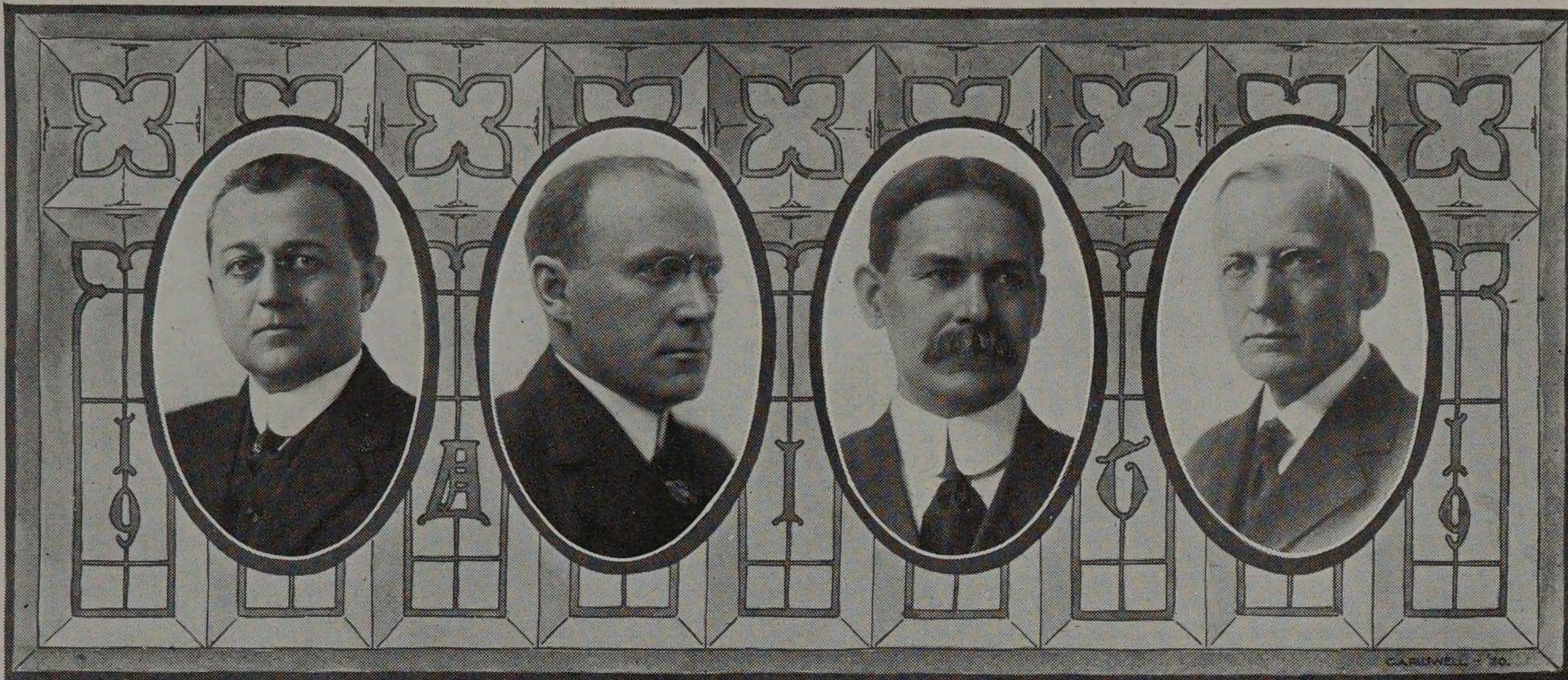
WALTER KAY SMART

Professor of English.

Birthplace, Payson, Illinois.

Shurtleff College and Northwestern University. Ph. B., University of Chicago, 1902. Ph. D., University of Chicago, 1911.

Residence, 1534 East 66th Place.



CHARLES EDWARD PAUL

Professor of Mechanics.
Birthplace, Belfast, Maine.
S. B., Massachusetts Institute of Technology.
Theta Xi.
Member of American Society of Mechanical Engineers; American Society of Testing Materials; Society for the Promotion of Engineering Education.
Author of numerous Articles on Concrete Construction and Strength of Materials.
Residence, 5300 Woodlawn Avenue.

JOSEPH BERNARD FINNEGAN

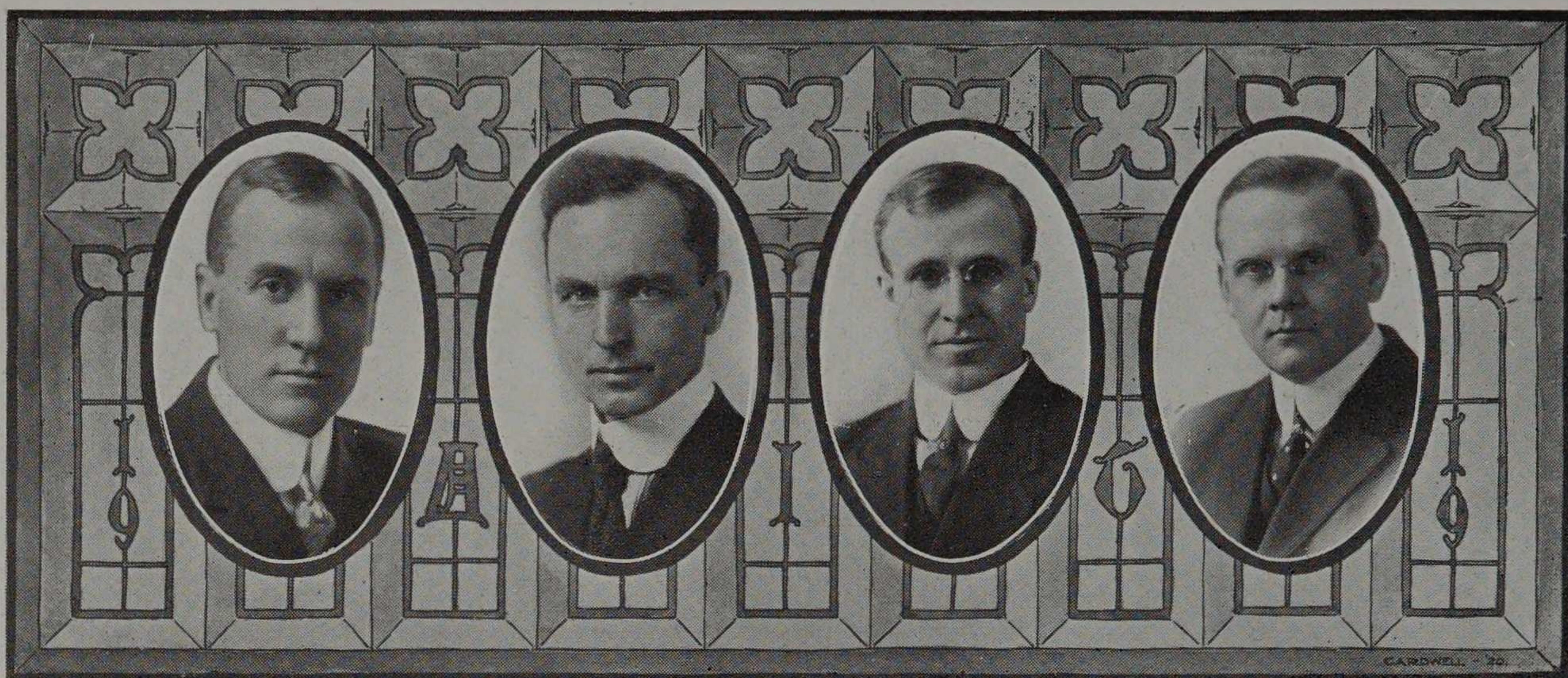
Professor of Fire Protection Engineering.
Birthplace, Stoneham, Massachusetts.
S. B., Massachusetts Institute of Technology, 1904.
Member of National Fire Protection Association.
Residence, 5433 Ellis Avenue.

JOHN EDWIN SNOW

Associate Professor of Electrical Engineering.
Birthplace, Athens, Ohio.
M. S., Ohio University, 1896; E. E., Armour Institute of Technology, 1901; A. M., Ohio University, 1904.
Member of American Institute of Electrical Engineers.
Residence, 7001 Vernon Avenue.

MELVILLE BAKER WELLS

Associate Professor of Bridge and Structural Engineering.
Birthplace, Commiskey, Indiana.
B. C. E., Purdue University, 1894; C. E., 1895.
Phi Delta Theta; Tau Beta Pi.
Member of Western Society of Engineers.
Author of "Steel Bridge Designing."
11252 South Oakley Avenue, Chicago, Illinois.



ROBERT VALLETE PERRY

Associate Professor of Machine Design.
 Birthplace, Hartford, Connecticut.
 B. S., Armour Institute of Technology, 1897; M. E., 1902.
 Tau Beta Pi; Omega Lambda.
 Residence, 436 West 66th Street.

THOMAS EATON DOUBT

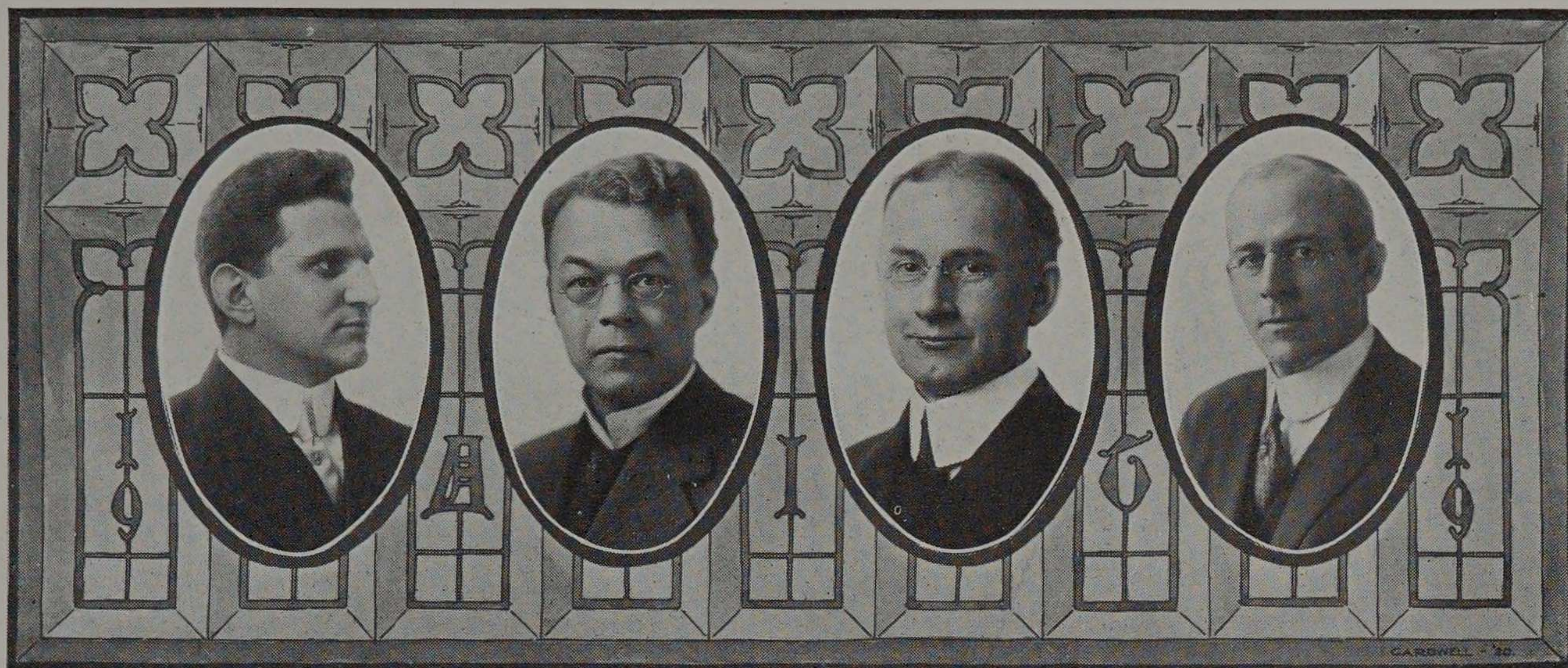
Associate Professor of Physics.
 Birthplace, Louisville, Kentucky.
 B. S., Nebraska Wesleyan University, 1892; M. A., University of Nebraska, 1896; Ph. D., University of Chicago, 1904; Fellowships at University of Nebraska and University of Chicago.
 Sigma Xi.
 Fellow of the American Association for the Advancement of Science; Member of the American Physical Society.
 Research Work on Absolute Color Equation, Velocity of Light and Spectrum Analysis.
 Optical Determination of Organic Compounds, Absorption of Gases by Charcoal.
 Residence, 5402 Drexel Avenue.

CHARLES WILBUR LEIGH

Associate Professor of Mathematics.
 Birthplace, Peoria, Illinois.
 B. S., University of Illinois, 1897.
 Phi Gamma Delta; Tau Beta Pi.
 Author of "A Text Book on Trigonometry—Solid Geometry"; "Commercial Arithmetic" for the American School of Correspondence; Co-author of a text book on Trigonometry.
 Residence, 7320 Lafayette Avenue.

DAVID PENN MORETON

Associate Professor of Electrical Engineering.
 Birthplace, Moscow, Ohio.
 B. S., Armour Institute of Technology, 1906; E. E., 1910.
 Tau Beta Pi.
 Associate Member of American Institute of Electrical Engineers.
 Author of "Practical Applied Electricity," "Drake's Telephone Handbook," "Electrical Measurements and Meter Testing," "Electrical Equipment of the Motor Car," etc.
 Residence, 3813 Michigan Avenue, Chicago.



BENJAMIN BALL FREUD

Associate Professor of Organic Chemistry.

Birthplace, Chicago, Illinois.

B. S., University of Chicago, 1904.

Phi Beta Kappa; Sigma Xi.

Member of American Chemical Society; American Electro-Chemical Society; American Institute of Mining Engineers.

Associate Member of American Physical Society.

Physico-Organic Research on "Vulcanized Oils."

Residence, 703 East 50th Place.

CLYDE BARNES COOPER

Associate Professor of English.

Birthplace, Prairie City, Illinois.

M. A., University of Iowa; Ph. D., University of Chicago.

Residence, 1126 East 62nd Street.

OLIVER CHARLES CLIFFORD

Associate Professor of Electrical Engineering.

Birthplace, Wadsworth, Ohio.

A. B., Oberlin College, 1893; Ph. D., University of Chicago, 1907.

Sigma Chi.

Member of American Society of Mechanical Engineers.

Research Work on "Susceptibility of Copper and Tin Alloys" and "Study of Heusler Alloys."

Residence, 6053 Woodlawn Avenue.

CLAUDE IRWIN PALMER

Associate Professor of Mathematics.

Birthplace, Michigan.

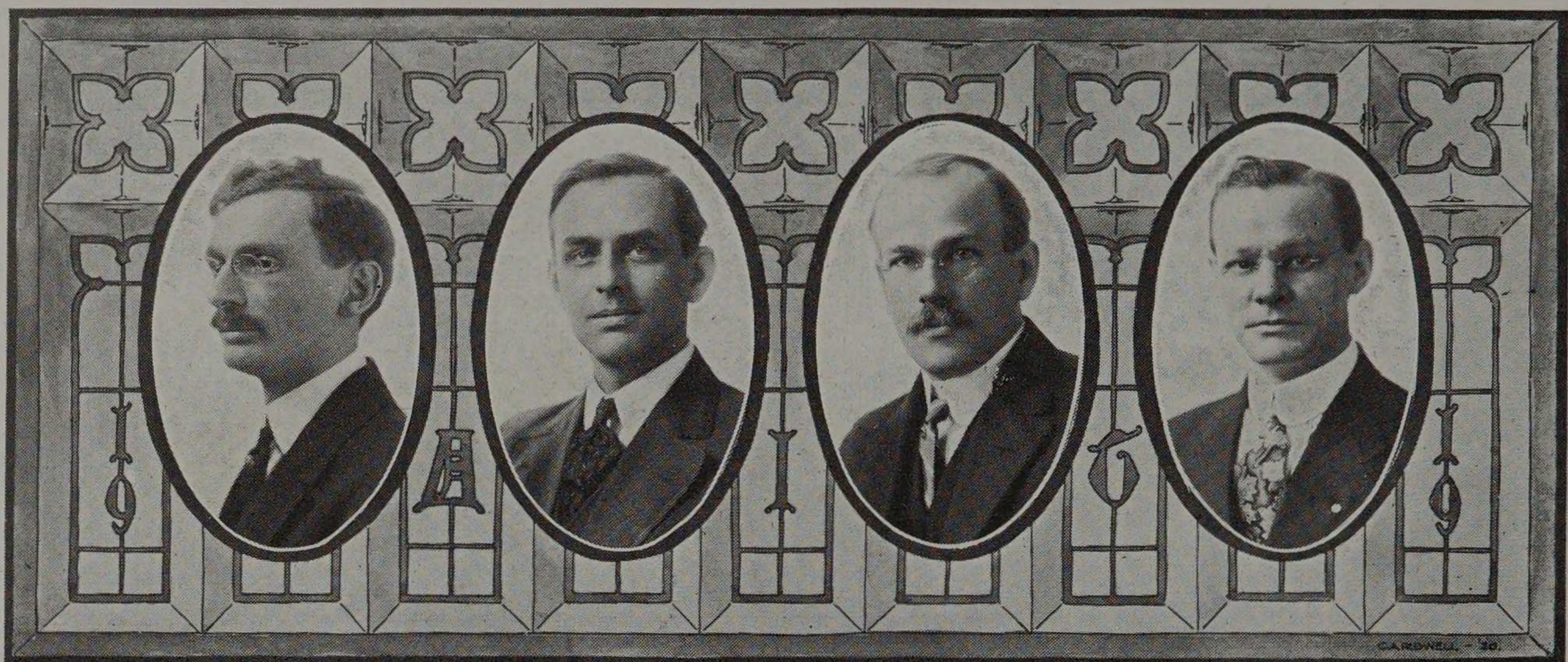
A. B., University of Michigan, 1903.

Member of the American Association for the Advancement of Science; American Mathematical Society, Mathematical Association of America.

Author of "Arithmetic with Applications," "Geometry with Applications," "Algebra with Applications,"

"Trigonometry and Logarithms," Co-author of Trigonometry; Co-author of Plane and Solid Geometry.

Residence, 6440 Greenwood Avenue.



HENRY LEOPOLD NACHMAN

Associate Professor of Kinematics and Machine Design.
 Birthplace, Sommerfeld, Germany.
 B. S., Armour Institute of Technology, 1902; M. E., 1905.
 Tau Beta Pi; Beta Phi.
 Residence, 6049 Eberhart Avenue.

DANIEL ROESCH

Assistant Associate Professor of Gas Engineering.
 Birthplace, Aurora, Illinois.
 B. S., Armour Institute of Technology, 1904; M. E., 1908.
 Tau Beta Pi; Beta Phi.
 Member of American Society for Testing Materials; Society of Automotive Engineers, Inc.
 Chairman Publication Committee S. A. E.
 Residence, 6230 St. Lawrence Avenue.

HERBERT JULIUS ARMSTRONG

Assistant Professor of Railway Engineering.
 Birthplace, Sunderland, Mass.
 B. S., Massachusetts Agricultural College, 1897.
 Phi Sigma Kappa.
 Member of American Railway Engineering Association.
 Residence, 11353 South Irving Avenue, Morgan Park, Chicago.

EDWIN STEPHEN LIBBY

Assistant Professor of Experimental Engineering.
 Birthplace, Portland, Maine.
 B. S., Armour Institute of Technology, 1902; M. E., 1907.
 Tau Beta Phi.
 Residence, 11166 Esmond Street.

THE INSTITUTE



WILLIAM GRISWOLD SMITH

Assistant Professor of Descriptive Geometry and Kinematics.
 Birthplace, Toledo, Ohio.
 M. E., Cornell University, 1892.
 Delta Kappa Epsilon; Sphinx Head; Sigma Kappa Delta.
 Author of "Practical Descriptive Geometry."
 Residence, 6758 Perry Avenue.

JAMES CLINTON PEEBLES

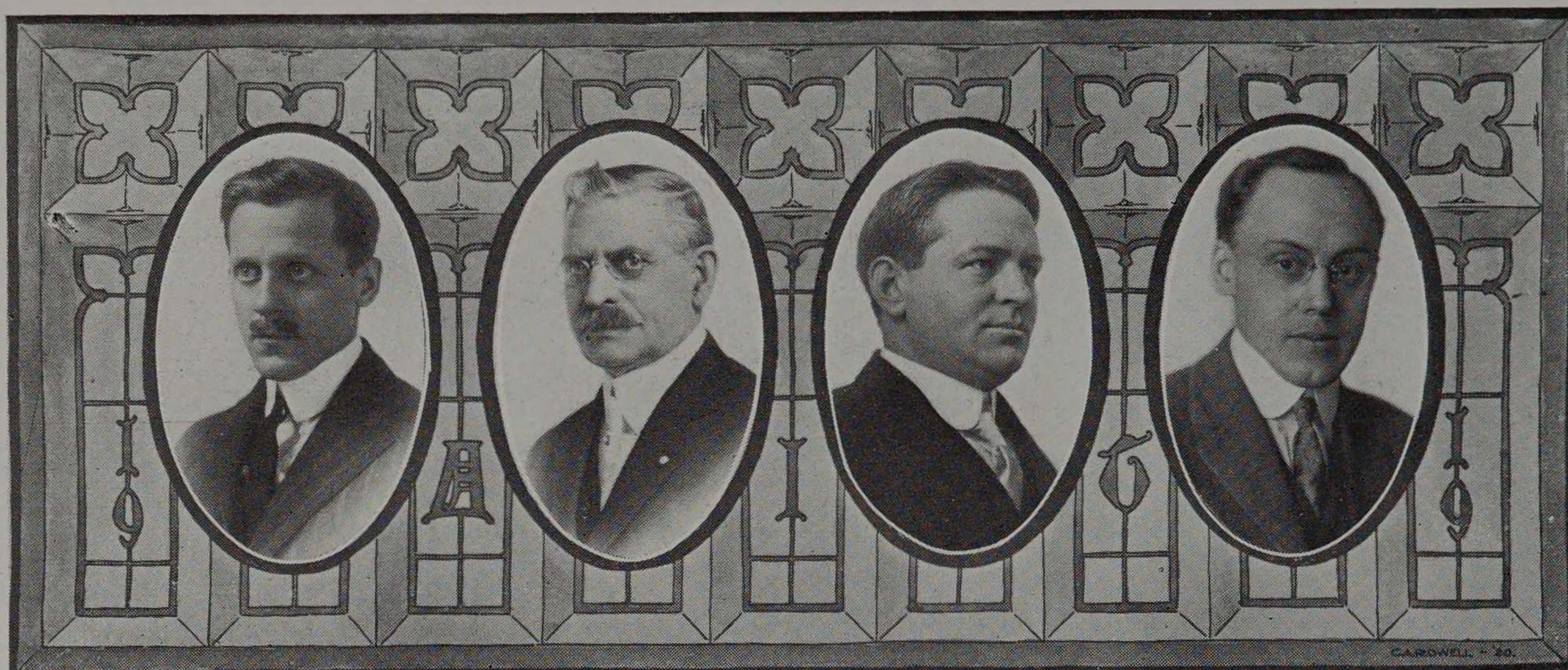
Assistant Professor of Experimental Engineering.
 Birthplace, Dreghorn, Scotland.
 B. S., Armour Institute of Technology, 1904; E. E., 1908; M. M. E., Cornell University, 1908.
 Gamma Alpha; Sigma Xi; Tau Beta Pi; Sigma Kappa Delta.
 Research Work on "An Oscillograph Study of Commutation."
 Residence, 436 West 72nd Street.

JOHN CORNELIUS PENN

Associate Professor in Civil Engineering.
 Birthplace, Wetering, Netherlands.
 B. S., Armour Institute of Technology, 1905; C. E., 1910.
 Tau Beta Pi; Omega Lambda.
 Member Western Society of Engineers.
 Residence, 49 West 109th Street.

PHILLIP C. HUNTLEY

Associate Professor in Experimental Engineering.
 Birthplace, Camden, Arkansas.
 B. S., Arkansas University, 1909.
 Sigma Chi; Tau Beta Pi.
 Member American Society for Testing Materials; Member American Steel Treater's Society.
 Residence, 4222 Grand Boulevard.



EARL H. REED, JR.

Associate Professor of Architectural Design.

Birthplace, Norwood Park, Illinois.

S. B., Massachusetts Institute of Technology, 1907; Student Redon 1909-1913; Ecole des Beaux Arts, Paris, France.

Delta Kappa Epsilon, Scarab, American Institute of Architects.

Residence, 4758 Lake Park Avenue.

JOHN SIMPSON REID, SR.

Assistant Professor of Mechanical Drawing and Elementary Machine Drawing.

Birthplace, Kilmarnock, Ayrshire, Scotland.

Irvine College, British Government Science and Art Schools, Glasgow, Scotland.

Member of American Society of Mechanical Engineers.

Author of "Mechanical Drawing, Elementary and Advanced," "Drawing and Designing," "Investigations into Drafting Room Conventions in the United States, 1909," "Mechanical Drawing Simplified," "Mechanical Drawing," 1919.

Residence, 6224 Kimbark Avenue, 3rd Apartment, Phone H. P. 1171.

EUGENE EDWARD GILL

Assistant Professor of General Chemistry.

Birthplace, Boring, Maryland.

Ph. B., Dickinson College, 1897; Ph.D., Johns Hopkins University, 1909.

Phi Beta Kappa.

Member of American Chemical Society.

Research Work on the "Determination of Osmotic Pressure of Cane Sugar Solutions."

WILLIAM CHARLES KRATHWOHL

Assistant Professor of Mathematics.

Birthplace, Buffalo, New York.

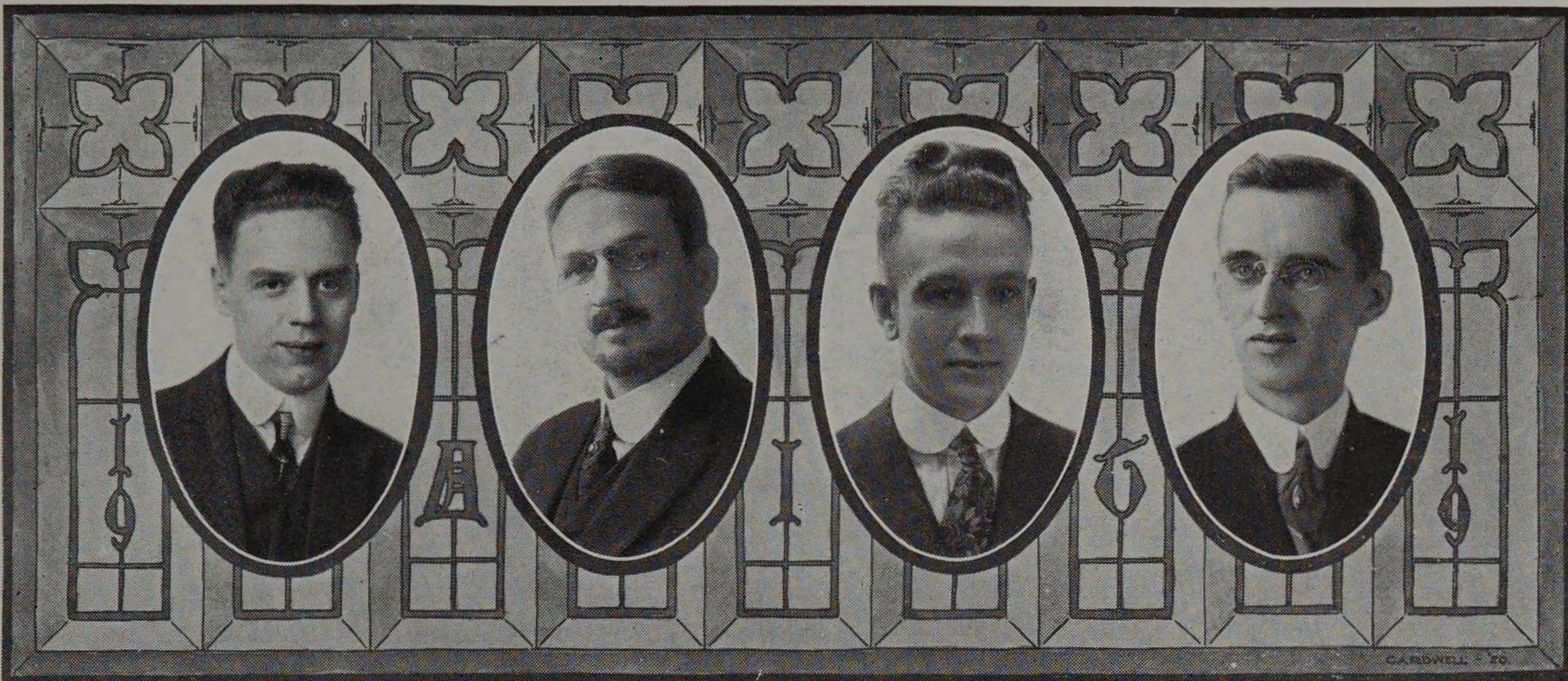
A. B., Harvard College, 1907; M. A., Columbia, 1910; Ph. D., Chicago University, 1913.

Member of the American Mathematical Society; The Mathematical Association of America.

Research Work on Modular Invariants.

Residence, 6107 Woodlawn Avenue.

THE INSTITUTE



WILLIAM H. LAUTZ, JR.

Instructor in Architecture.
Birthplace, Chicago, Illinois.
B. S., Armour Institute of Technology, 1913.
Tau Beta Pi; Sigma Kappa Delta.
Residence, Scarab Fraternity.

ALBERT H. KREHBIEL

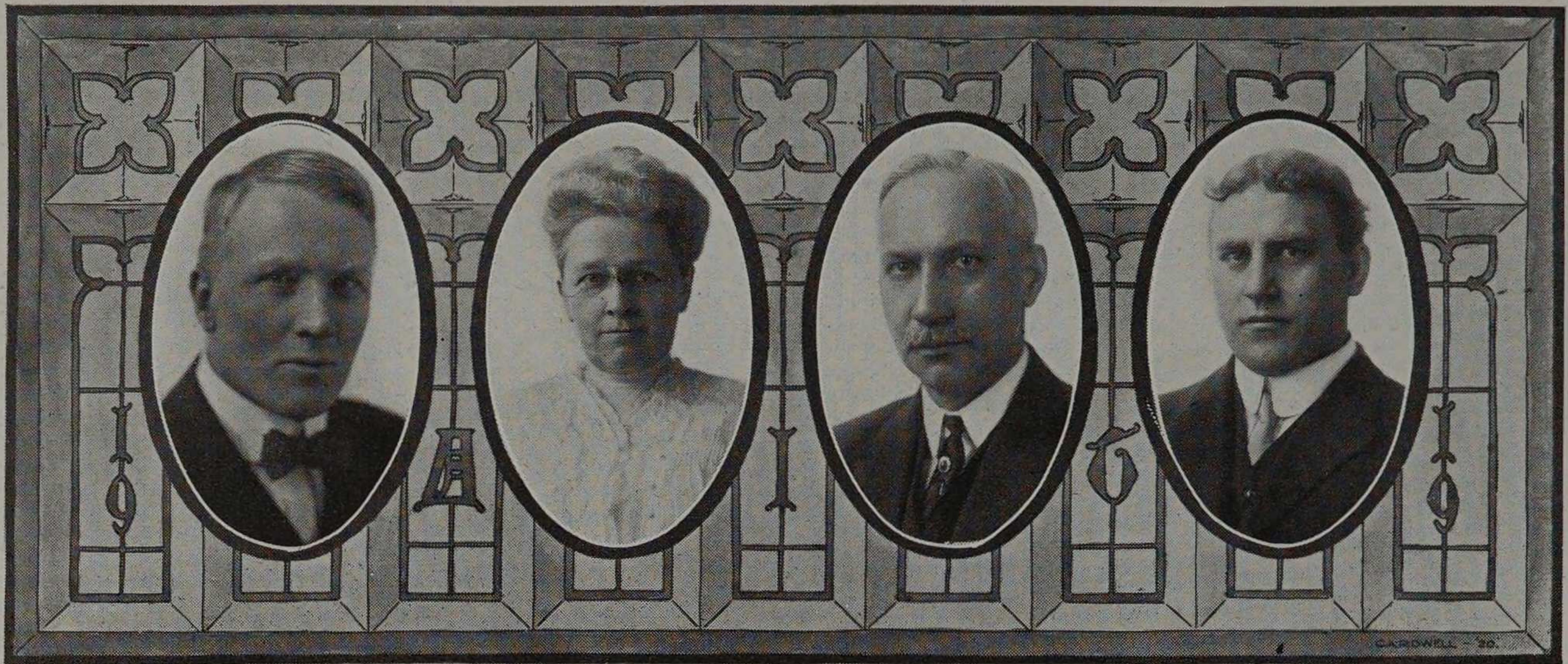
Instructor of Freehand Drawing.
Birthplace, Iowa.
Bethel College, studied at Art Institute and in Paris.
Member of Various Art Societies.
Residence, Park Ridge, Illinois.

NORMAN FRANK KIMBALL

Instructor in Fire Protection Engineering.
Birthplace, Oshkosh, Wisconsin.
B. S., Armour Institute of Technology, 1912; M. E., 1917.
Tau Beta Pi; Omega Lambda.
Member National Fire Protection Association.
Residence, 1527 East 68th Street.

CHARLES R. SWINEFORD

Instructor in Descriptive Geometry.
Birthplace, Van Wert, Ohio.
B. S., University of Michigan, 1904; M. E., 1907.
Instructor of Michigan, 1907-1908.
Residence, 6506 Kimbark Avenue.



AUGUST C. WILLIAMS

Instructor in Architectural Construction.
 Birthplace, Chicago, Illinois.
 University of Illinois, 1892.
 Illinois Society of Architects.
 Residence, 2506 Orchard Street.

MRS. JULIA A. BEVERIDGE

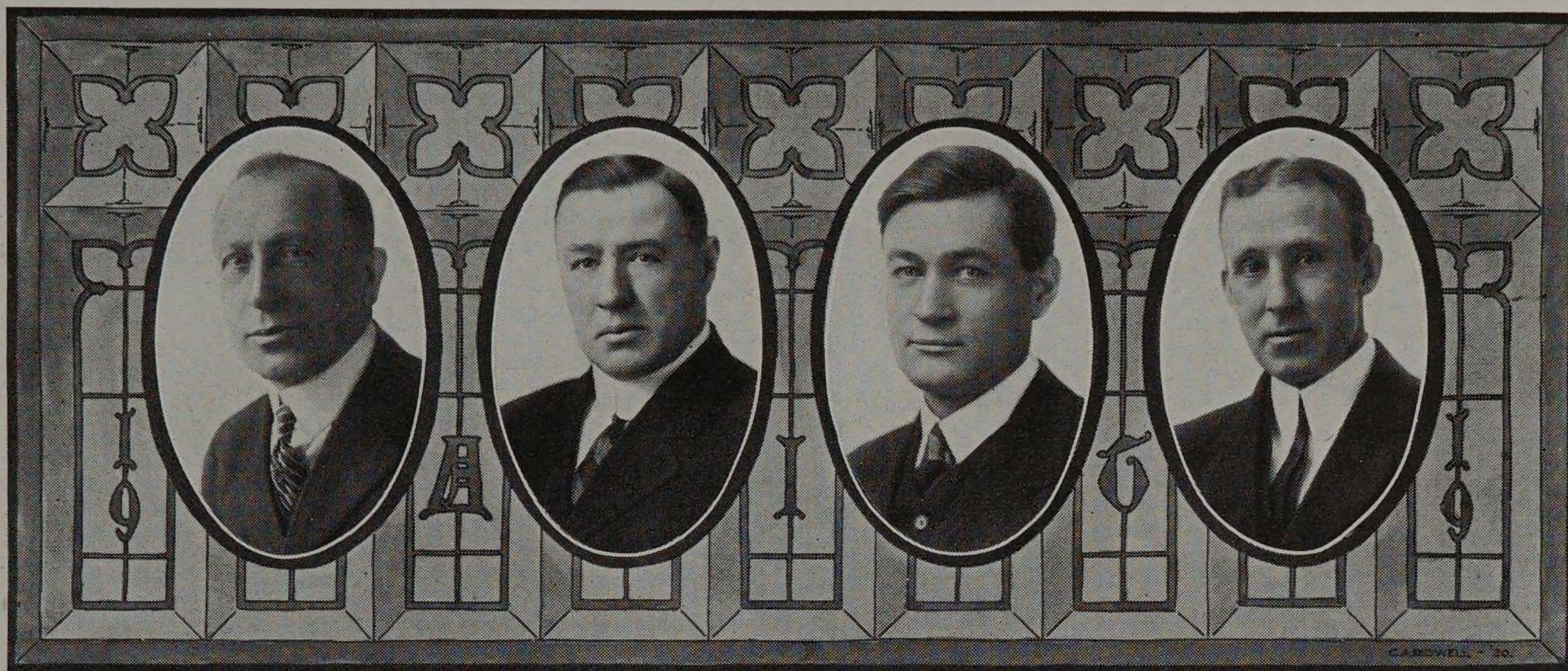
Librarian and Instructor in Bibliography.
 Birthplace, Beloit, Wisconsin.
 University of Wisconsin.
 Residence, 933 44th Street.

EDWARD DIEHL AGLE

Superintendent of Shops and Instructor in Machine Tool Work.
 Birthplace, Greencastle, Pennsylvania.
 Residence, 635 East 41st Street.

NELS PETER PETERSON

Instructor in Woodworking.
 Birthplace, Hoganas, Sweden.
 Residence, 1534 North Leavitt Street.



CHARLES HENRY FORNHOF

Instructor in Machine Tool Work.
Birthplace, Chicago, Illinois.
Residence, 1255 Thorndale Avenue.

CHARLES LARSEN

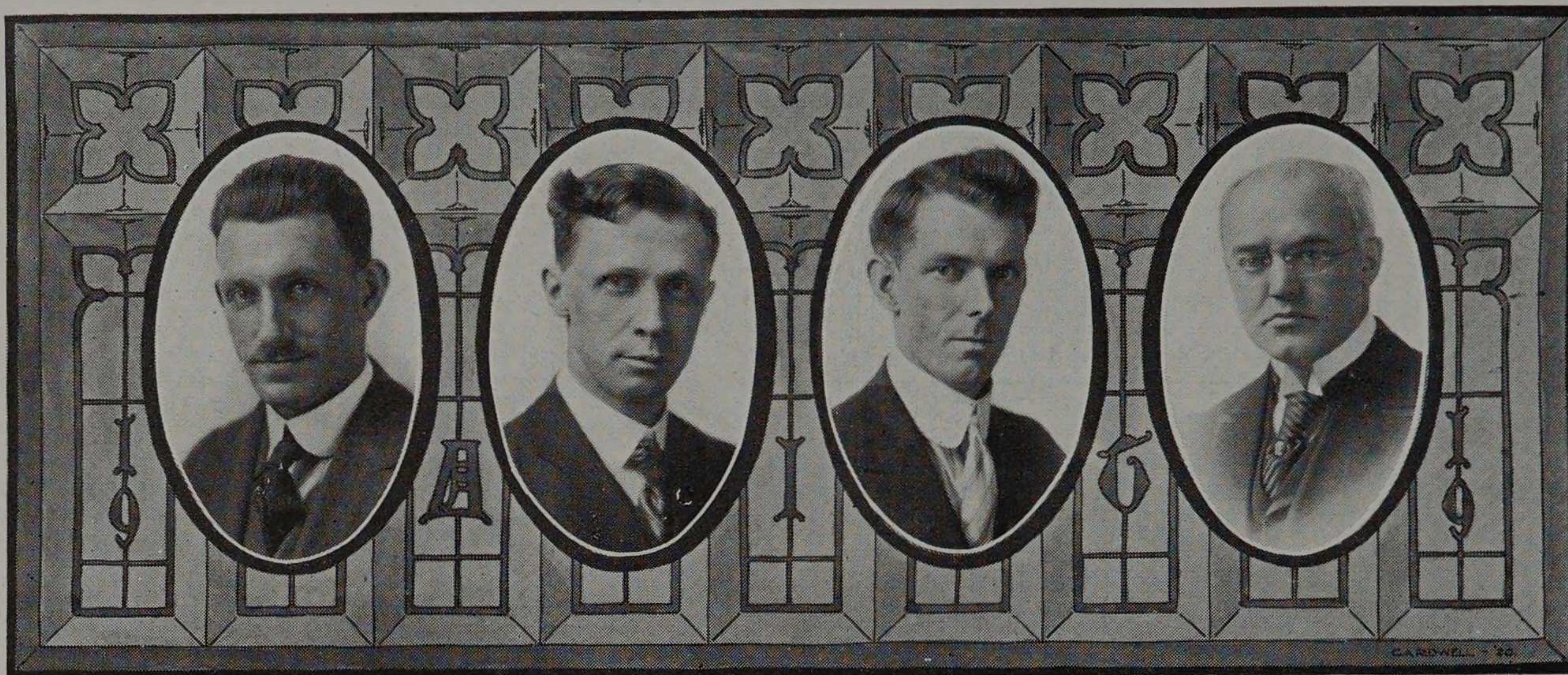
Instructor in Founding.
Birthplace, Chicago, Illinois.
Residence, 1101 North Richmond Street.

JOHN J. SCHOMMER

Instructor of Industrial Chemistry.
Birthplace, Chicago, Illinois.
S. B., University of Chicago, 1909; one year of Research Work in Bacteriology, Yeasts and Moulds, 1910.
S. B., in Chemical Engineering, Armour Institute of Technology, 1912.
Phi Kappa Sigma; Owl and Serpent; University Marshal.
Member of American Chemical Society; American Association for the Advancement of Science; American Society for Testing Materials.
Residence, 564 Roscoe Street.

JOSEPH PATRICK KENNEDY

Instructor in Forging.
Birthplace, Chicago, Illinois.
Residence, 5747 South Laflin Street.



KENNETH HASSLER READ

Instructor in Metallurgy
Birthplace, Brooklyn, N. Y.
El. Met., Lehigh University.
Tau Beta Pi.
Residence, Chicago, Illinois.

OREN GRAY SHERMAN

Instructor in Gas Engineering.
Birthplace, Chicago, Illinois.
M. E., Lewis Institute, 1910.
Residence, 3680 Milwaukee Avenue.

HAROLD ROMAINE PHALEN

Instructor in Mathematics
Birthplace, Acton, Massachusetts.
Tufts College, B. S.
Sigma Chi Alpha.
Residence, 4532 Vincennes Avenue.

EMIL ROBERT ZETTLER

Birthplace, Karlsruhe, Germany, 1878.
The Art Institute of Chicago; National Academy of Fine Arts, Berlin; Julian Academy, Paris.
Honors: Bronze Medal; Panama-Pacific Exposition, 1915; Sculptor member Art Commission of the City of Chicago.
Represented: Art Collection of the City of Chicago, "French Boy."
Residence, 4 East Ohio Street.



FRANK HALL CHILDS

Lecturer on Business Law.

Birthplace, Findlay, Ohio.

Columbia University, Union College of Law, Kent Law School; LL. B., admitted to the Bar, 1884.

Member of the American Bar Association; Illinois State Bar Association; the Chicago Bar Association.

THOMAS EDDY TALLMADGE

Lecturer on History of Architecture.

Birthplace, Washington, D. C.

S. B., Massachusetts Institute of Technology, 1898.

Phi Beta Epsilon.

Member of Illinois Chapter of American Institute of Architects.

Winner of Traveling Scholarship, Chicago Architectural Club, 1904.

Residence, University Club, Evanston, Illinois.

ROLLAND ADELSPERGER

Instructor in Architectural Construction.

Birthplace, LaPate, Indiana.

A. B., Notre Dame, 1890; B. S. A., Notre Dame, 1905.

Residence, 5751 North Clark Street.

LESTER DAVISSON HAMMOND

Assistant Professor of Chemistry.

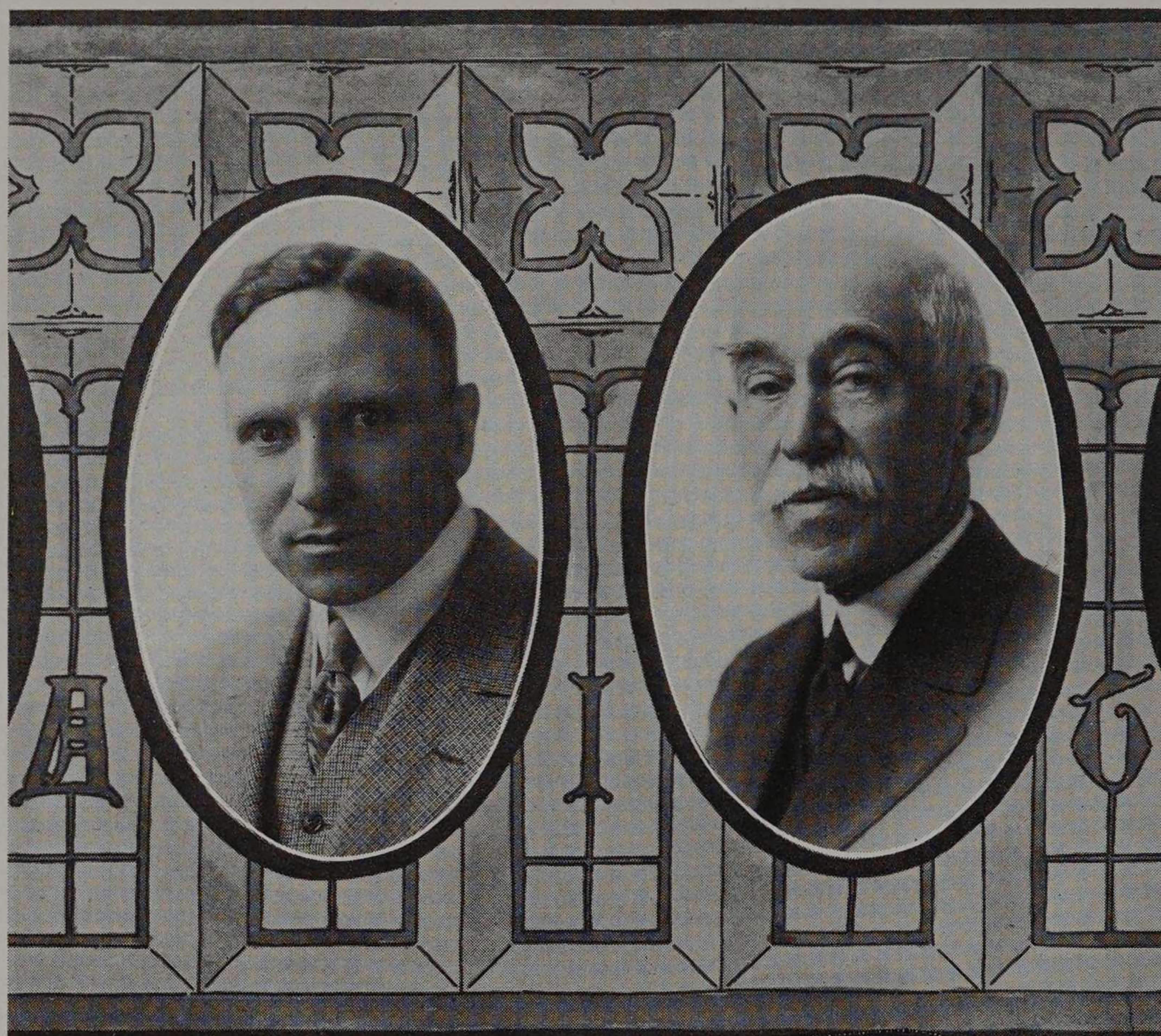
Birthplace, Petersburg, Indiana.

A. B., University of Indiana, 1907; Ph. D., University of Wisconsin, 1916.

Sigma Xi; American Chemical Society.

Research: "Electro-deposition of Nickel"; Carbohydrates.

Residence, 5731 Maryland Avenue.



GEORGE EVERETT MARSH

Assistant Professor of Electrical Engineering.
 Birthplace, Georgetown, Colorado.
 S. B., Massachusetts Institute of Technology, 1902; E. E., Armour Institute of Technology, 1912.
 Member of American Institute of Electrical Engineers and American Electro-Chemical Society.
 Residence, 446 East 34th Street.

DUANE STUDLEY

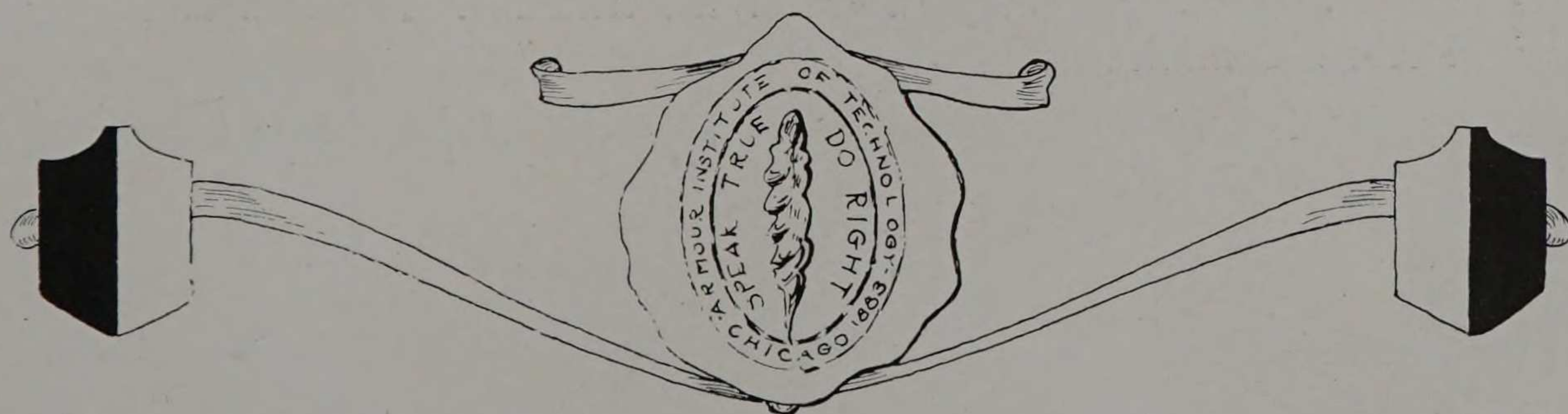
Instructor in Mathematics.
 Birthplace, South Byron, N. Y.
 B. S., Cornell.
 Residence, 5535 Kenwood Avenue.

THE ALUMNI

ALUMNI



J.A. PEREIRA



ALUMNI



Armour Alumni Association

The following alumni officers were elected at the Spring meeting of the A. I. T. in the spring of 1918:

SYDNEY V. JAMES	President
J. WAGNER	Vice-President
H. NACHMAN	Treasurer
H. SIECK	Recording Secretary
JOHN J. SCHOMMER	Corresponding Secretary

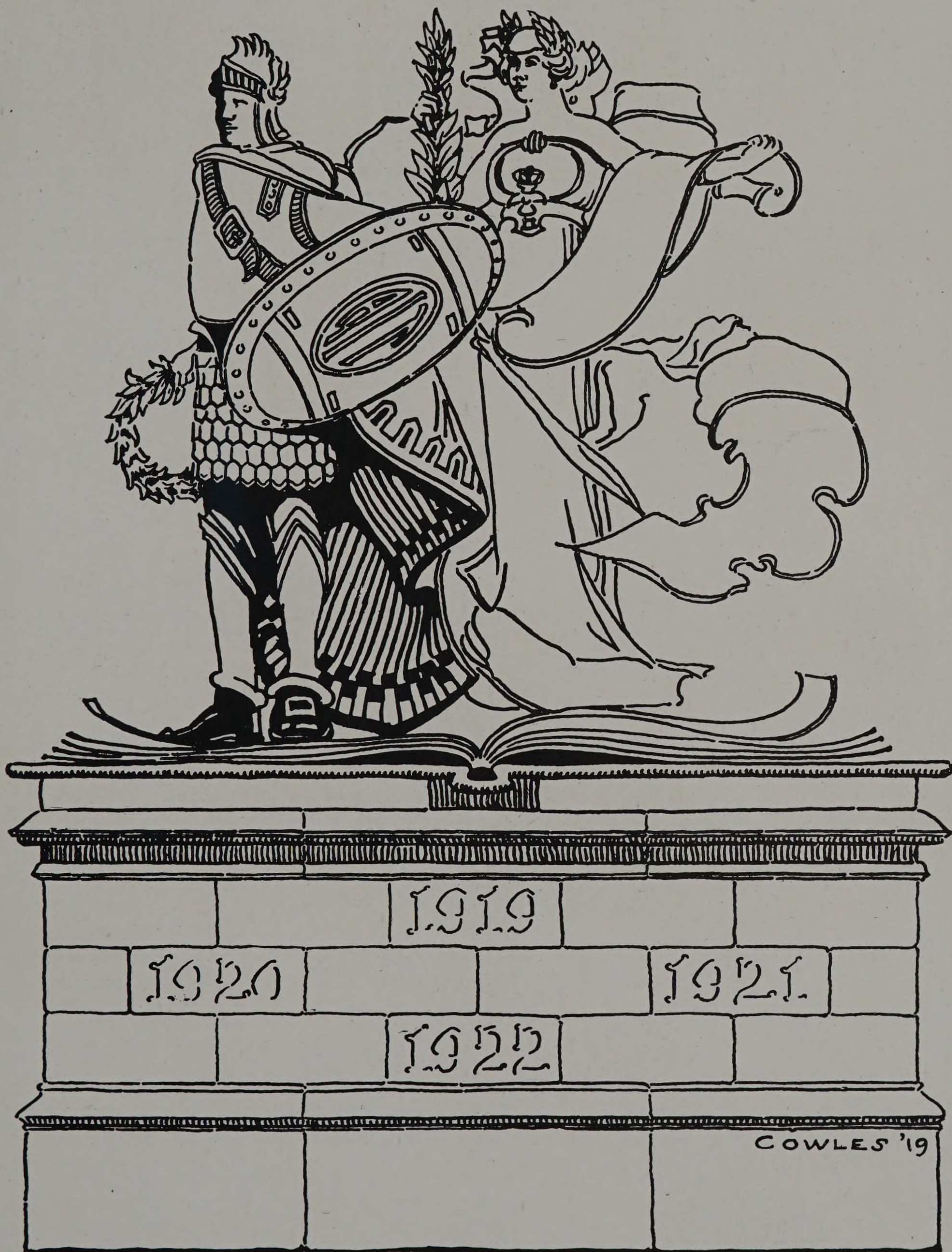
The Board of Managers consists of Messrs. E. G. Hindert, H. L. Nachman, J. C. Penn, Sydney V. James and John J. Schommer.

The activities of the alumni association were limited due to the war but several meetings of the board of managers were held.

The Annual Spring meeting will be held Saturday, May 24, at a downtown hotel. Other important matters discussed by the board of managers included Scholarship Loan, Organization of Class Secretaries, Incorporation of the Alumni Association and Booster Committees.

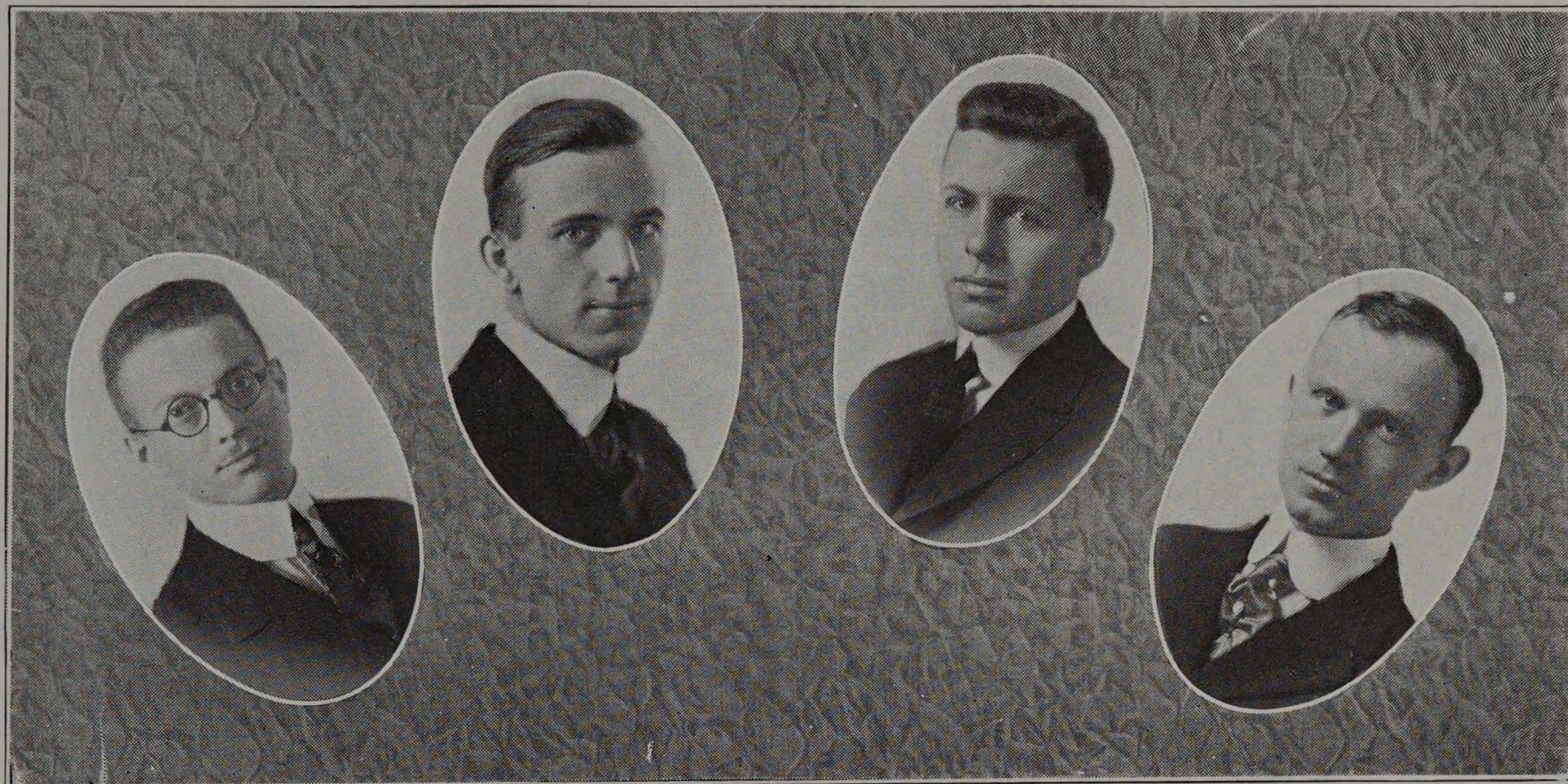
CLASSES

CLASSES



19 SENIOR 19





Senior Class Officers

RAYMOND O. JOSLYN, *President.*

Advanced Dynamo Experiments.
Born February 13, 1898. Chicago, Illinois.
Austin High School.
Electrical Engineering.
A. I. E. E.; Eta Kappa Nu; Tau Beta Pi; Omega Lambda; Sphinx; Y. M. C. A.; Class Baseball 1918; Tennis 1917-18; President Senior Class; President Eta Kappa Nu; Vice-President Tau Beta Pi; Treasurer Junior Class; Business Manager 1918 Cycle.

ROBERT H. RENSCH, *Vice-President.*

Tests on a Two-Phase Martin Rotary Converter.
Born March 15, 1892. Chicago, Illinois.
North Division High School. Milwaukee, Wisconsin.
Electrical Engineering.
Y. M. C. A.; Eta Kappa Nu; Tau Beta Pi; Sphinx; A. I. E. E.; Class Baseball; President Junior Class; Vice-President Senior Class; Corresponding Secretary Eta Kappa Nu; Treasurer A. I. E. E.; Managing Editor 1918 Cycle; Business Manager "Armour Engineer."

EDWIN H. ARNOLD, *Secretary.*

The Use of Vacuum Tubes in a System of Multiplex Telephony.
Born July 7, 1894, Chicago, Illinois.
Lane Technical High School.
Electrical Engineering.
Sigma Kappa Delta; Eta Kappa Nu; Tau Beta Pi; A. I. E. E.; Chairman A. I. E. E. 1919; Secretary Senior Class.

WILLIAM MENDIUS, *Treasurer.*

Born September 14, 1896. Chicago, Illinois.
Lake View High School.
Chemical Engineering.
Beta Phi; Tau Beta Pi; Sphinx; A. Ch. E. S.; Honor "A" Club; College Track 1916; Interclass Track 1916; Class Basketball 1916-17, 1918-19; Editor "Cycle" 1918; Editor-elect "Armour Engineer" 1919; First Marshal, Junior Week 1918; Class Treasurer 1917, 1919; President Honor "A" Club 1919.

Senior Class History

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DO we, the members of the Class of 1919, not remember that momentous day of September 7, 1915 when we sought our way from all parts of the world to the Armour Institute of Technology at Thirty-third and The Tracks, where we were to spend the next four years at faithful labor in an effort to prepare ourselves for our life work? It was with a feeling of great expectation not unmingled with a feeling of apprehension of what was before us that we registered and started upon our courses of study.

It was somewhat later than usual for the organization of the Freshman Class that we became organized. This action was due to the initiative of Lou Yoemans, who obtained permission from the Deans for holding our first class-meeting. Yoemans was elected to guide our destinies throughout that year.

Early in the year the upper-classmen wished to show their welcome to us, and held the Freshman Handshake, which was well attended and gave us an opportunity of becoming acquainted with the men who had been through the troubles which were just beginning for us. The next event of importance was the Freshman Smoker which was held in Grand Boulevard Hall. After the entertainment at the hall, in which entertainment Bob Lorentz was forced to participate, we all adjourned to Washington Park where we proceeded to show the Sophomores that we were good fighters even if we were green. Other events of the year were the banquet which was held at the New Morrison Hotel on Tech Night and the Freshman Dance which was held in the Red Room of the La Salle Hotel.

In September 1916 many of us were able to return to school, but there were several whom we missed. Too, there were several new men who had joined their fortunes with ours.

We did not take much part in the Freshman Handshake, for we wished to reserve our welcome for the Freshies until later. This year the class scrap was held in the form of a sack rush on a vacant lot west of the school. We were outnumbered and beaten, but not a member of the class of '20 can say that they had an easy time of it. It ended with a good spirit between the classes and, together with the smoker which was held after the rush, marks one of the successes of the year.

The Soph banquet was not the success which it should have been but the dance and all other social activities which were undertaken were surely great, and those who did not attend these affairs missed some mighty good times.

The Junior year was filled with many activities which detracted somewhat from the usual course of events but not nearly to the extent to which things were interrupted during the Senior year. However, many activities were given up in order to prepare ourselves for service for our country; therefore no one regrets any of the pleasures which he was forced to give up.

During the Junior year we had charge of the Cycle, which was necessarily smaller on account of existing conditions; we had two very successful dances and

CLASSES

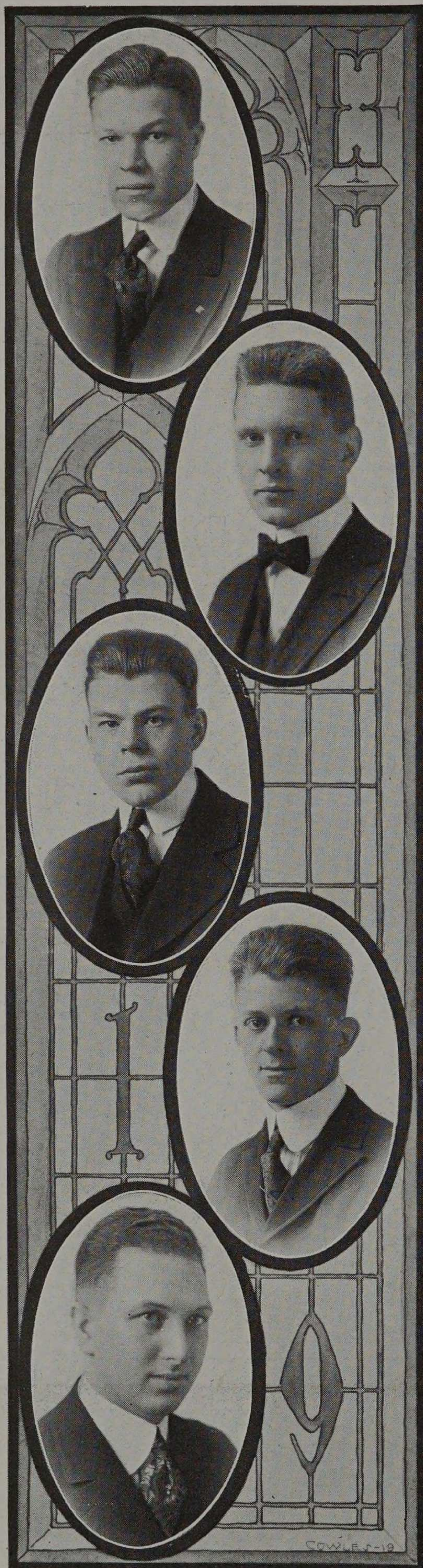
boosted for every activity which was given. These activities were few, but worth while and there are no members of the class who are so narrow as to oppose anything worth while.

The first part of the Senior year was broken up by the S. A. T. C. and other military work, but the loyalty of every member was well proven, and the Class of 1919 did its duty in every detail.

Since the army activities have ceased we have been able to organize and proceed with class activities. The dance held at the Edgewater Beach Hotel was one of the big social events of the year, and we have shown the other classes loyal support in their social affairs.

In looking back over the four years we have spent at Armour we feel that we have done our part in all of the affairs which have been given for the benefit of the classes with whom we have been associated and for the benefit of the school. It is with a sad feeling that we sever our intimate connection with the school and its work; but we look to the future with anticipation of success.

In closing we wish to thank the President, Deans and Faculty of the Armour Institute of Technology for all of the assistance they have given us, and for the interest they have taken in our affairs. Now we hope to go out into the world and show our appreciation by doing those things which will reflect credit upon our Alma Mater.

B. S. in M. E.**HAROLD G. ANDERSON**

Born August 9, 1896. Chicago, Illinois.

Calumet High School, 1915.

Mechanical Engineering.

Tau Beta Pi; A. S. M. E.; Glee Club; Tech. Basketball and Baseball 1915-16; Captain Freshman Basketball, Baseball and Indoor Baseball 1915-16; Class Baseball 1916-17; 1918-19; Class Basketball 1915-17; 1918-19; Athletic Representative 1916-18-19; Treasurer A. S. M. E. 1917-18; "Andy" made himself famous at Armour through his perpetual good humor and through his athletic ability and Glee Club Work. For four years he has been the main stay of our athletics.

DANIEL CARL BERG

Born December 11, 1897. Chicago, Illinois.

Fenger High, June, 1915.

Mechanical Engineering.

The Flow of Water Through Pipe-Orifices.

Y. M. C. A.; Glee Club; Sigma Kappa Delta; Mandolin Club during 1916-17; Vice-President of Y. M. C. A. 1917-18.

If Dan, the man who never gets peeved, can Mechanical Engineer as well as he can "fiddle" or tickle the ivories, or "eat beans at Edison Park," we will vouch for his success. He has not been confined to a row of school books, but has a variety of interests and in every role he has "come to the front."

CLARENCE I. CARLSON

Born December 21, 1897. Chicago, Illinois.

Bowen High School, February, 1916.

Mechanical Engineering.

Flow of Water Through Pipe-Orifices.

A. S. M. E.; Y. M. C. A.; A. S. U. S. N. R. F.; Class Basketball 1917; Treasurer A. S. M. E.

"Carl," of the firm of Carlson, Berg and Company, is one of the best liked of the illustrious Senior Mechanicals. His keen wit and ready smile has established him as a favorite wherever he goes.

LYNN EUGENE DAVIES

Born July 1, 1896. Milwaukee, Wisconsin.

East Division High School, Milwaukee, June 1915.

Mechanical.

The Construction of a 10-H. P. Heavy-duty Gas Engine.

A. S. M. E.

Lynn is another of the Milwaukee boys who after spending one year at the University of Wisconsin, came to Armour as a "Soph." While quietly occupied in establishing a scholastic standing that merited a scholarship during his senior year, he was not too busy to hear two calls, viz.: Uncle Sam's call to the Heavy Artillery Officers' Camp in 1918, and the other, a call that is supposed to "turn a young man's fancy in springtime —."

ALLAN HASKELL GREENSPAHN

Born March 17, 1894. Chicago, Illinois.

Lake High School, 1911.

Mechanical Engineering.

Effect of Initial and Back Pressures on the Economy of a High Speed Automatic Governed Reciprocating Steam Engine.

A. S. M. E.; Basketball 1913-14-15; Baseball 1914-15; Secretary Class of 1918.

Steamboat Bill should rightly be of the Class of 1918, but like so many other good men he left school to help Uncle Sam. He has been a staunch supporter of athletics and has stood well in his school work. He has a good humored way of taking things as they come.

CLASSES

B. S. in M. E.

ALMON KEETH

Born March 23, 1897. Colorado Springs, Colorado.

Colorado Springs High School, 1915.

Mechanical Engineering.

The Representation of Automobile Engine Performance by Surfaces.

Sigma Kappa Delta; Tau Beta Pi; Sphinx; A. S. M. E.; Class Baseball 1918; Advertising Manager Cycle; Vice-President A. S. M. E. 1918-19.

"Jake" is one of our most active mechanicals, is interested in everything. Whatever he takes up he pushes to successful ending. He is always ready with a suggestion, a helping hand or a witticism. Armour did a great thing when it lured him away from Carnegie Tech.

HUBERT F. REHFELDT

Born September 21, 1895. Chicago, Illinois.

Lane Technical High School, June 1913.

Mechanical Engineering.

The Coefficient of Friction of Ball Bearings and Horse Power to Drive.

Beta Phi; Tau Beta Pi; A. S. M. E.; Chairman Senior Social Committee, Assistant Editor Cycle, President A. S. M. E.

"Hop" ever cheerful and gay, but always ready for work, and successful at it. He has his faults—no more than the average—but these disappear into the back ground once his friendship is gained. His name spells success.

B. S. in E. E.

EDWIN HENRY ARNOLD

Born July 7, 1894. Chicago, Illinois.

Lane Technical High School, June, 1912.

Electrical Engineering.

The Use of Vacuum Tubes in a System of Multiplex Telephony.

A. I. E. E.; Sigma Kappa Delta; Eta Kappa Nu; Tau Beta Pi; Chairman A. I. E. E. 1919; Secretary Class (Senior).

Ed is one of those thorough, unexcitable fellows, who looks both to the serious and joyous sides of life at the proper time. He came to Armour in September 1916, and has made himself well known and well liked. Judging from the record he has made at Armour, he will be rewarded by success in his future work, and will reflect credit to his Alma Mater.

MARION FRANCIS BACON

Born September 12, 1896. Vinton, Iowa.

Vinton High School, May 28, 1915.

Electrical Engineering.

Tests on a Two-Phase Martin Rotary Converter.

Sigma Kappa Delta; A. I. E. E.; Secretary A. I. E. E. 1918-19.

In spite of the multitudinous benefits which the pursuits of agriculture hold for the young man, "Bake" decided to expose himself to this new fangled electricity; in spite of the fact that he held the job of data collector for the town "Bee" on the side. Marion likes better to handle the actual equipment than to browse around in Steinmetz or Heaviside.

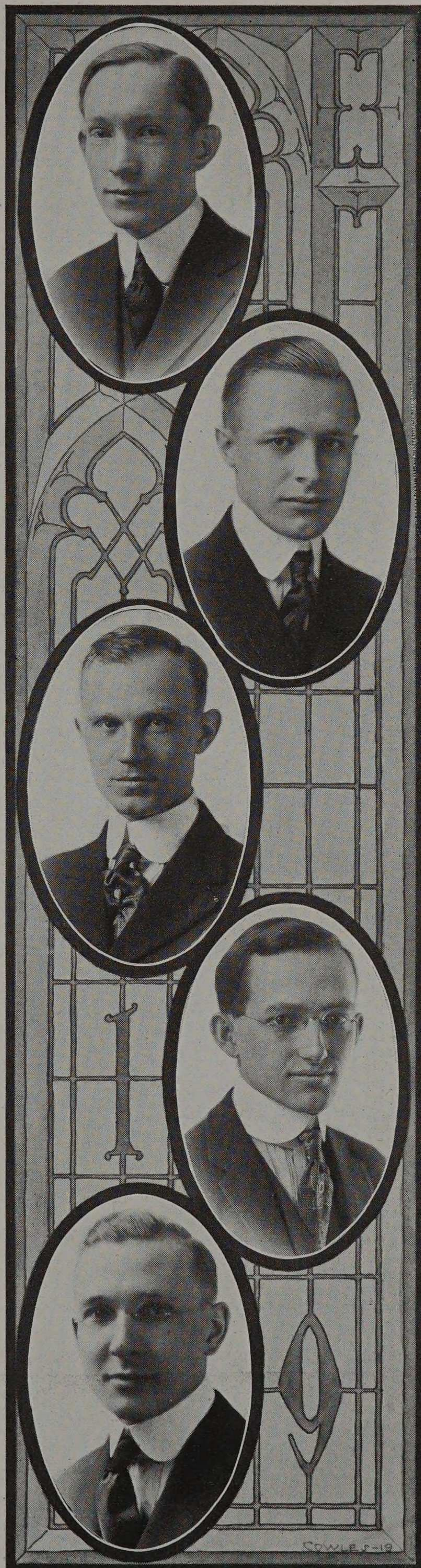
HENRY FREDERICK GELDMEIER

Born January 24, 1894. Plum Hill, Illinois.

Model High at University North Dakota, 1913.

Sigma Kappa Delta, Eta Kappa Nu, Y. M. C. A., A. I. E. E.

We confess we don't know where Plum Hill is, but it has our O. K. if all its wares are equal to the sample she sent Armour. Born and raised under rural circumstances, Harry has had to overcome many handicaps, but he always "comes up" with a smile.



B. S. in E. E.**RAYMOND OLIVER JOSLYN**

Born February 13, 1898. Chicago, Illinois.

Austin High School, 1915.

A. I. E. E.; Eta Kappa Nu; Tau Beta Pi; Omega Lambda; Sphinx; Y. M. C. A.; Interclass Baseball 1918; Tennis 1917-18; President Senior Class 1919; President Eta Kappa Nu; Vice-President Tau Beta Pi; Treasurer Junior Class; Business Manager Cycle 1918.

Electrical Engineering.

Advanced Dynamo Experiments.

There are a few class offices that Ray has not held, but not worth mentioning. In whatever capacity he has served whether as student, army officer, social mixer, or as nth attache of the Doc's office, he has shown those qualities of a practical, amiable, level-headed, aggressive leader.

ERWIN WALTER PETZING

Born September 26, 1896. St. Peter, Illinois.

Lane Technical High School, 1914; Lane Junior College, 1916.

Electrical Engineering.

Researches in Radio Telephony.

A. I. E. E.; I. R. E.; Sergeant-at-Arms Senior Class of 1918.

After completing his high school course, Erwin Walter thought he would take a few years' vacation before entering the grim reality, so he stayed at Lane for a junior session. We haven't heard just what line of electrical engineering Petz is going to follow, but are sure his earnest endeavor will bring results.

ROBERT H. RENSCH

Born March 15, 1892. Chicago, Illinois.

North Division High, Milwaukee, Wis., June 1910.

Y. M. C. A.; Eta Kappa Nu; Tau Beta Pi; Sphinx; A. I. E. E.; Interclass Baseball; Class President 1918; Vice-President 1919; Corresponding Secretary Eta Kappa Nu; Treasurer A. I. E. E.; Managing Editor Cycle 1918; Business Manager "Armour Engineer."

Tests on a Two-Phase Martin Rotary Converter Course at Armour.—E. E.

Bob—King of optimists—Prince of good fellows, or any other term you may coin to describe an all around and honest-to-goodness friend. The old boy has bucked the current in a masterly way, and is one of the few who have gone through college on their own resources.

MARCUS CHRISTOPHER VEREMIS

Born January 23, 1894. Tripolis, Greece.

Plato High School, 1912.

Special Advanced Experimental Work in Dynamo Laboratory.

Eta Kappa Nu; Tau Beta Pi; A. I. E. E.; Treasurer of Eta Kappa Nu.

Marcus Christopher discovered America about 1913; went directly to Englewood Evening School and absorbed the American language in about three months. He then came to Armour for his technical vocabulary. After spending a few days in the S. A. T. C. Marcus was shipped to Fort Monroe, where he completed the course and became a 2d lieutenant in heavy artillery.

B. S. in Ch. E.**CLARENCE BENSON CLARK**

July 17, 1896. Hinsdale, Illinois.

Lyons Township High School, 1915.

Manufacture of Salicylic Aldehyde.

Omega Lambda; Chemical Society; Social Committee (1919 Senior).

Clark is a quiet, unassuming fellow, yet full of that which makes successful men. This, coupled with politeness and integrity, makes him a friend who is worth having.



B. S. in Ch. E.**NORMAN CARL FISHER**

Born March 20, 1897. Chicago, Ill.

Lane Tech. June, 1915.

Chemical.

Extraction of Potash Alum from Alumite.

A. Ch. E. S.

Fischer is the man who never allows a fact to pass without a correct explanation. Incidentally, he knows enough about electricity to keep the rest of the chemicals in awe of him.

ALEXANDER S. LA ZORIS

Born October 6, 1896. Milwaukee, Wisconsin.

Lane Tech, 1915.

Chemical Engineering.

Extraction of Proteins from Soy Bean.

The Ohr; A. Ch. E.-S.; Track, 1917.

Laz—our dignified chemical—has very high aims in his profession. Here's wishing Laz lots of success in his battle with the "Soja Bean."

ELMER RICHARD LUCKOW

Born September 20, 1896. Chicago, Illinois.

Wendell Phillips, February, 1915.

Armour Chemical Society.

"Separation of Potassium Nitrate, Potassium Chloride, Potassium Carbonate."

Armour Chemical Society; Interclass Basketball two years.

Lucky is one of those hard workers who stick to a task until it is finished. This, coupled with his amiability and his basketball playing, makes him well liked by all.

ERNEST E. McCLUNG

Born November 21, 1892. Sault Ste. Marie, Michigan.

St. Joseph, Michigan, 1910.

A. Ch. E. S.

Preparation of Benzoic Acid by Oxidation of Toluene.

Mac is another fellow who makes his career at A. I. T. possible by outside work. Chemical engineer and musician—a rare combination. He has all friends—no enemies; success will be his.

JACOB H. MARKHAM

Born October 23, 1889. Kiev, Russia.

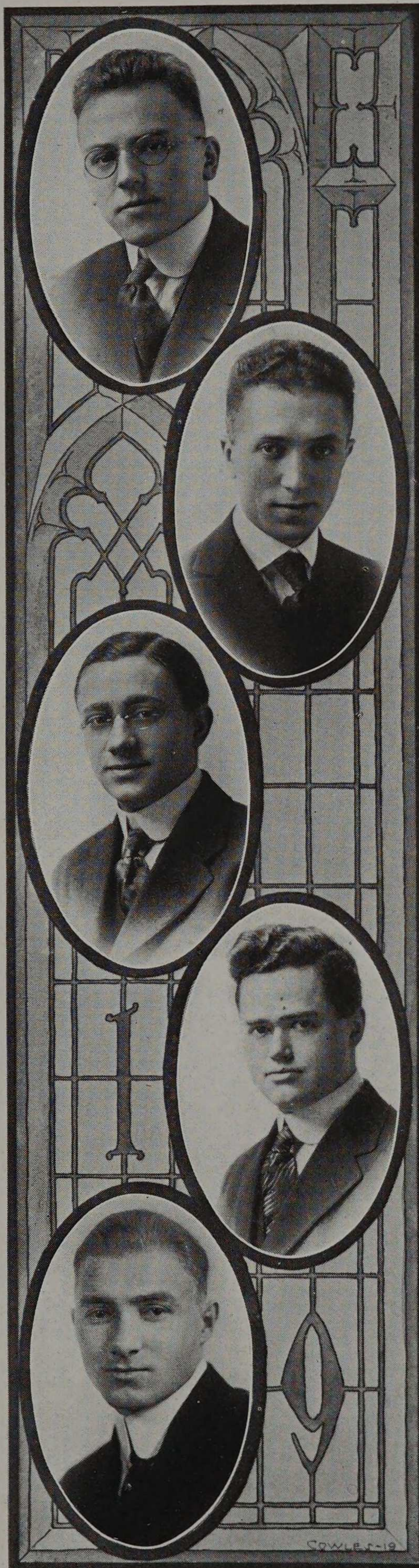
Central High School, St. Louis, Mo.; Washington University, St. Louis, Mo.

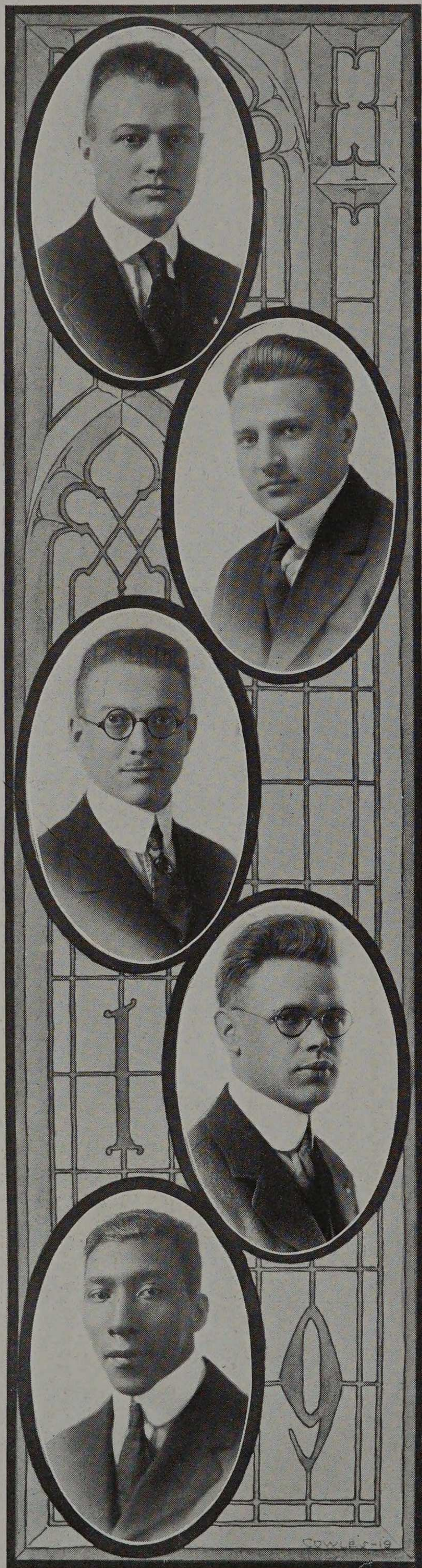
Chemical Engineers.

Preparation of Sodium Salicylate from Phenol.

A. Ch. E. S.

Markham's love for work makes him a valuable asset to all who associate with him. His good humor helped us many times to go over the "rough spots."



B. S. in Ch. E.**ALFRED E. MAITRE**

Born July 1, 1894. Chicago, Illinois.

Lane Tech June, 1915.

"Manufacture of Salicylic Aldehyde."

Tau Beta Pi; Armour Chemical Society; Omega Lambda; All Interclass athletics; Social Committee four years; Junior Year President; Second Marshall, Junior Work.

When a fellow serves actively as one of chief factors for all dance and social committee work throughout his four years at school, besides leading the boys as class president throughout the Junior year, we believe his executive ability is well accounted for.

ROBERT S. MELICHAR

Born December 31, 1897. Chicago, Illinois.

Harrison Tech., 1915.

Chemical Engineering.

Hydrogenation of Coal Tar and Coal Tar Oils.

A. Ch. E. S.; Class Baseball and Basketball.

At athletics, at the piano, at his studies, at mixing "devil's soup," or at whatever Bob tackled, he proved he "had the goods." Whether experiments turned out well or turned out poorly, his perpetual good humor and constant smile were always on hand to dissolve the gloom and keep the sun shining.

WILLIAM MENDIUS

Born September 14, 1896. Chicago, Illinois.

Lake View High School June, 1915.

Chemical Engineering.

Detection and Determination of Benzene Compounds in in Admixtures with Paraffin Hydrocarbons.

Beta Phi; Tau Beta Pi; Sphinx; A. Ch. E. S.; Honor "A" Club; College Track 1916; Interclass Track 1916; Interclass Basketball 1916-17, 1918-19; Editor of The Cycle 1918; Editor elect., The Armour Engineer, 1919; First Marshall Junior Week 1918; Class Treasurer 1917, 1919; President Honor "A" Club 1919.

The man who intends to make a better all-around record than Bill, will have to "go some." He proved his mettle in scholarship, athletics and in social activities. The personal friendship of almost every man in the class is a fair indication of his standing among his fellow classmates as a good mixer and general "good fellow."

ALBERT PEARSON

Born December 5, 1896. Sweden.

Chemical Engineering.

Methods for the Oxidation of Potassium Manganate.

A. Ch. E. S.; Treasurer of Chemical Society.

Old "Grandpa" is another of the boys who was willing to accept every opportunity which came his way, and invent a few that were missing. By working to make things go before and during his college career he gave good and sufficient evidence of the characteristic "Swedish endurance" that brought him out on top despite handicaps. He can't help but make good.

ARMADA T. WEATHERS

Born August 21, 1888. St. Louis, Missouri.

Wendell Phillips, Chicago, Illinois, 1906.

The Fixation of Nitrogen by Aluminum Ores in the Electric Furnace.

Weathers believes in "never starting anything you can't finish," and thus while spreading out his course over some thirteen years, which was interrupted by two long intervals of teaching, he proved "game" enough to see it through.

B. S. in Ch. E.**JOHN BORDEN WILBOR**

Born June 28, 1898. St. Paul, Minnesota.

Beaver Dam High School, 1915.

Chemical Engineering.

Fixation of Nitrogen by Aluminum Nitride Process.

Delta Tau Delta, Tau Beta Pi, Armour Chemical Engineering Society; Social Committee 1918-19; Vice-President A. C. E. S.

John, the "quiet," is in spite of his reticence a fine fellow and is admired by all his classmates for his sincerity and intelligence. Though he has the reputation of being the laziest man in school his scholastic record is evidence to the contrary. He is one of the pesky Locusts. "Good luck," John.

MELVILLE MEDLEY WILSON

Born September 16, 1896. Paxton, Illinois.

Lane High School, 1915.

Tau Beta Pi; A. Ch. E. S.

"Preparation of Potassium Alum from Alumite."

Wilson is a very quiet fellow, but with a decided manner that will make him a factor in the Chemical World.

B. S. in C. E.**EMIL DASING**

Born April 5, 1897. Chicago, Ill.

Lane Technical High School January, 1916.

Civil Engineering.

Design of a Sanitary Sewerage System for the Village of Homewood, Ill.

Armour Civil Engineering Society; Western Society of Engineers; Treasurer A. C. E. S.

"Diz" was chief engineer of the good old boat "Armour" in Summer Camp. Due to someone's oversight he had the crew out in the middle of Trout Lake one evening and ran out of gasoline. He is just one little lump of pure optimistic happiness.

IRVING MILIAN ENGH

November 16, 1897. Oak Park, Illinois.

Oak Park and River Forest Township High School, June 1915.

Civil Engineering.

Design of a Sanitary Sewer System for the City of Homewood, Illinois.

Western Society of Engineers; Armour Civil Engineering Society; Tau Beta Pi; Armour Y. M. C. A; Assistant Business Manager of the 1918 Cycle; Sergeant-at-Arms Junior Year; Sergeant-at-Arms Senior Year; Corresponding and Recording Secretary Armour Civil Engineering Society.

As a college man, "I. M." has failed to live up to the handle given, for he has been one of those quiet pluggers who has completely hidden the big "I" in his scholastic achievements.

CARL LEWIS GOLD

Born March 7, 1897. Chicago, Illinois.

Thornton Township High School, 1915.

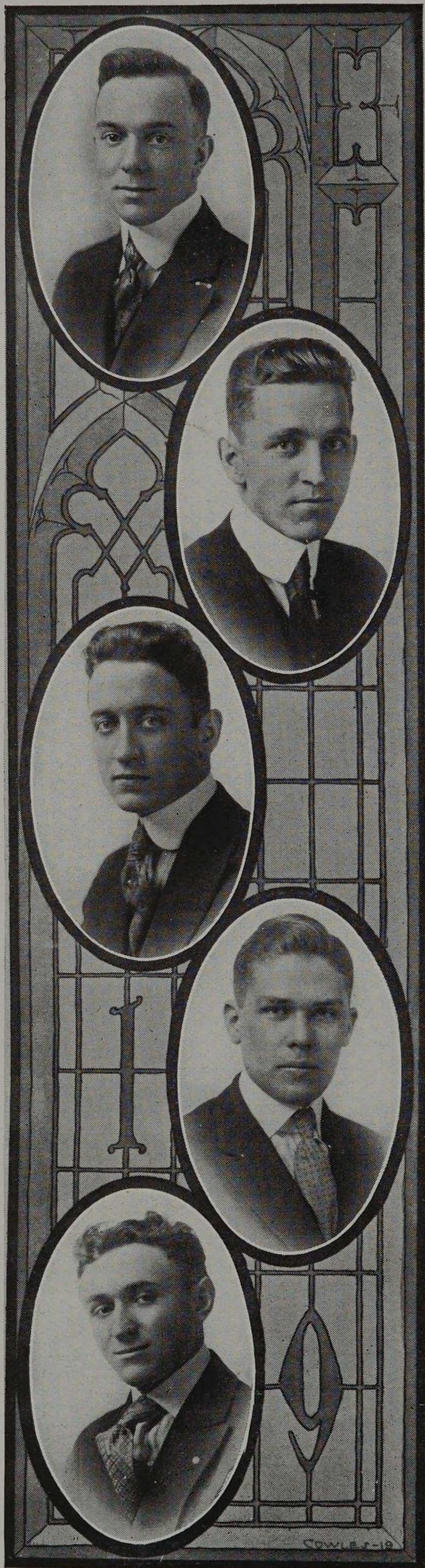
Civil Engineering.

Design of Sanitary Sewerage System.

Tau Beta Pi; Beta Phi; A. C. E. S.

During his four years with us, Carl seemed lost a great portion of the time among the archives and recesses and (we suppose) sewers of "Pa" Philips' department. However, those associated with him found him a first class, all around good scout. In his work as sergeant in the S. A. T. C. we got a glimpse of the "pep" he displayed in all his activities.





MARION E. SHAW

Born December 3, 1896. Marinette, Wisconsin.

Lane Tech. High School, 1914.

Civil Engineering.

Design of Sanitary Sewer System for the Village of Homewood, Ill.

Tau Beta Pi; Omega Lambda; A. C. E. S.; President A. C. E. S.

The fact that Marion had to "watch his step" to prevent doing any damage to an "A Number One" family "rep" at Armour did not prevent his taking an active part in all class affairs. Having been selected among the first group of Tech men to be sent to the officers' camp at Fortress Monroe is a fair indication of his winning personality and better than average ability.

FRANK SPENCER COWLES

Born June 7, 1892. Green Bay, Wisconsin.

Northwestern College Academy.

Architecture.

A War Memorial Community Building.

Tau Beta Pi; Armour Architectural Society.

Massier of the Armour Architectural Society; Senior Massier 1918-19.

Cowles entered Armour in 1915, after spending two years at Northwestern College. He spent sixteen months in the army, receiving a 2nd lieutenant commission. As lieutenant he served in four camps in as many corners of the country, and was released in time to finish his course with the class.

WILLIAM E. DADY

Born October 10, 1897. Harvard, Ill.

Harvard High, 1915.

Architecture.

A War Memorial Community Building.

Atetier, 1915-17; A. A. S., 1917-19.

Class Basketball, 1915-16-17-18; Class Track, 1915; Class Indoor, 1915-16.

Class Vice-President, 1917-18. Cycle Rep. 1915-16-17.

P. A. of A. A. S., 1918-19. Press Rep. of A. A. S., 1918-19.

Dady is one of those Armour fellows who believes in supporting all school activities especially the class dances. After spending three years traveling between Armour and the Art Institute, Dad entered the service at Fort Sheridan in the summer of 1918 and was commissioned at Camp Perry in September.

ALLEN EDWARD ERICKSON

Born October 12, 1898. Chicago, Illinois.

Nicholas Senn High, 1915.

Architecture.

"A War Memorial Community Building."

Armour Architectural Society; Beta Phi; "Scarab" '19; Track 1916; Class Basketball 1916-17, 1917-18; Chairman Architectural Social Committee, Architectural Society.

"Al" was always present at the Armour dances. Very popular with the ladies??? The army proved to be Eric's downfall. He actually learned to cuss.

LEONARD A. GLIATTO

Born January 17, 1896. Chicago, Illinois.

Crane Technical High School, June, 1915.

Architecture.

A War Memorial Community Building.

Armour Architectural Society; Treasurer Armour Architectural Society.

"Gli," as the architects call him, was always full of pep in everything. He spent most of his time in making the four years' course in three and one-half years, and claims physics as his "Waterloo."

CLASSES

HAROLD BATCHELDER McELDOWNEY

Born May 7, 1896. Chicago, Illinois.

Parker High School, 1914.

Architecture.

"A War Memorial Community Building."

"Scarab"; Armour Architectural Society.

"Mac" is a confirmed bachelor—maybe not if art students can help it. *Kochbiel can't understand* Macs going to sleep in freehand class. Good customer of Villanis.

ARMAND RAPHAEL MONACO

Born October 23, 1894. Paola, Italy.

Ph. C. at Northwestern University, 1914.

Sigma Kappa Delta, Scarab, A. S. A., Chicago Society of Artists; Engineers Reserve Corps; Winner of 1918 Traveling Scholarship.

Monaco, as we see by his record, has made a name for himself among the architects at Armour. He is recognized by his classmates as a friend worth winning, and needless to say he has been won by many. We are all certain that Monaco's success as an architect is assured.

HARRY L. MORSE

Born December 28, 1894. Cleveland, Ohio.

Lane Tech. 1913.

Architecture.

A War Memorial Community Building.

Armour Architectural Society; Class Indoor Baseball 1916-1917.

Started with Class of 1918. Our Harry "L" showed us all up by joining the Navy early in 1917. Gob Morse did his bit on the Mardi Gras by acting as Superintendent of Construction, and showed his usual form.

ALFRED FISHER SCHIMEK

Born October 18, 1897. Chicago, Illinois.

Medill High School, February, 1915.

Architecture.

A War Memorial Community Building.

Armour Architectural Society; Secretary Armour Architectural Society.

Old "Shim" found out he couldn't get through on a *brush*.

He is our freehand artist. He is always the same good scout—never changes.

JOSEPH SOMLYO

Born August 16, 1897. Vienna, Austria.

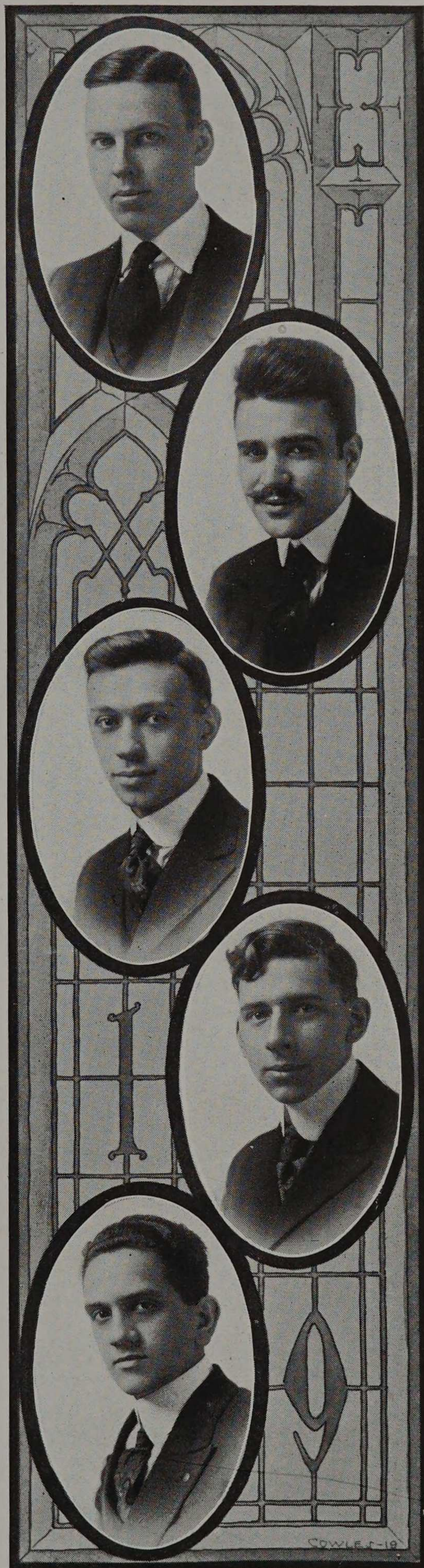
East Chicago High School.

Architecture.

War Memorial Community Building.

Armour Architectural Society.

Som was our freehand shark and never failed to pull a point in that. Mystery? That is ———? He has succeeded in keeping his past a secret so far.





NED I. SOSNA

Born November 2, 1894. Chicago, Illinois.

Murray F. Tuley High School, Class 1914.

Architectural.

Victory Memorial Community Building.

Class Treasurer Armour Architectural Society 1915-16; 1918-19.

Ned started with the class of 1918, but due to the World War finished with the class of 1919. He was that kind of a bird usually called a "Mathematic Shark," and has an unlimited stock of "dry" and "cutting" humor. Whenever any practical jokes were played, "Sos" was the first to be placed under suspicion as the originator.

MAURICE ROY WALLACE

Born January 8, 1895. Russia.

Tuley High School, Chicago, 1914.

Architecture.

War Memorial Community Building.

F. O. F.; Armour Architectural Society.

Wallace was our little "Machine Gun" talker. We shall always remember "Wallie" as the boy who started the argument with Prof. Richards in Construction Class.

CHARLES WALTER MINTZ

Born September 3, 1898. Chicago, Illinois.

Lane Tech 1916.

Fire Protection Engineering.

Investigation of Twenty Gallon Chemical Extinguishers.

The Ohr; A. F. P. E.; Interclass Basketball; Treasurer A. F. P. E.

Variously known as "Charles" or "Chawley," not satisfied with being third man to win Fire Protection scholarship, graduates in three years with a high average, and proves himself the better half of the senior Fire Protection class. He is the author of an instructive autobiography entitled "The Rise and Fall of a Navy Officer."

FREDERIC ALLAN TRASK

Born April 24, 1897. Chicago, Illinois.

Bowen High School, Chicago, Illinois, June, 1915.

Fire Protection Engineering.

Investigation of Twenty Gallon Chemical Extinguishers.

Sigma Kappa Delta; Tau Beta Pi; A. F. P. E. S.; President A. F. P. E. S. 1917-18; Member Social Committee 1918-19;

"Fred" came to Armour from Bowen with a four year scholarship in Fire Protection Engineering. With such a start he found little trouble in making things go his way. He not only maintained a high scholastic standing, but established himself as a booster and hearty supporter of all Armour activities.

EDWIN A. FRITSCH

Born April 9, 1889. Omaha, Nebraska.

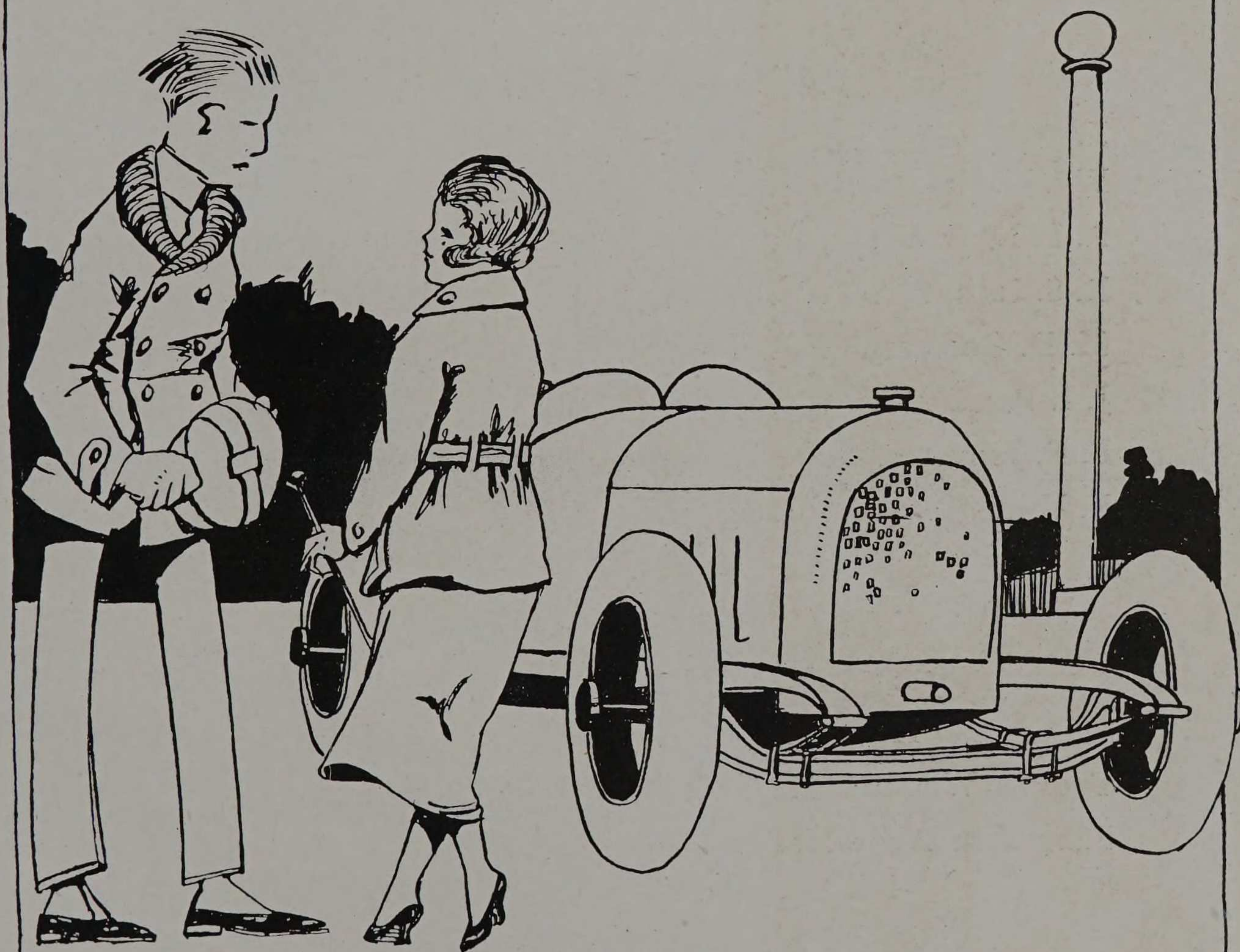
Chicago Teachers' College, February, 1910.

Industrial Arts.

Chairman Manual Training Teachers' Class Organization Committee since 1916.

Fritsch has been making quite a success of applying his Armour training to teaching manual training in the Chicago schools and for some years has been teaching at Lane Technical High School.

19 JUNIOR 20





Officers of Class of 1920

WM. N. ERICKSON	President
A. L. LYON	Vice-President
R. S. ILLG	Secretary
M. D. GOTTLIEB	Treasurer
J. I. BREADY	1st Marshall
L. E. JONES	2nd Marshall
E. VOGT	Sergeant-at-Arms

SOCIAL COMMITTEE

HOMER ELLERY ANDERSON, <i>Chairman</i>	
THOMAS WINSLOW HALL	FRANCIS CLAIRE HINKLEY
FREDERICK AMOS HERTWIG	JAMES LAWRENCE ANNING

Junior Class History

...

With the disbanding of the S. A. T. C. came the realization that we had but one semester in which to do two semesters' work, as far as school activities were concerned. As we wished to emerge from the ordeal with colors flying, and in view of the creditable manner in which he had acquitted himself as Vice-President of our class in its Sophomore year, we elected "Bill" Erickson, President. And our judgment went not amiss, for with the diligent assistance of his able cohort he succeeded in reviving most of the interests that mean so much in college life.

To begin with, we decided to publish a Cycle that would eclipse all previous issues; so we elected Ellis Cook, Editor-in-Chief; "Bill" Chapin, Business Manager and "Bill" Erickson, Advertising Manager. "Tom" Hall was appointed as Managing Editor.

Our basketball team which comprised Seyferlich, Bready, Erickson, Karlson, Anning, Illg and Scharf won the medals, offered by the school, by defeating each of the other class teams in two successive rounds. The games, though not as well attended as they might have been, were nevertheless exciting—to the Juniors anyway.

The Junior Banquet was held at the Chicago Motor Club, May 5th. Among the notables present were Dean Raymond and Lieut. Howard B. Maguire, Aerial Observation, recently returned from France.

The Junior Dance, held at the Edgewater Beach Hotel, March 7th, was acclaimed a great success by all present. But the Junior Prom, held in the Gold Room of the Congress Hotel, May 9th, was the dance of the season; one of the finest ever given by a class at Armour.

Class of 1920

...

MECHANICAL ENGINEERS

ADAM, P. J.	HALL, T. W.	PETERSON, H. C.
ALEXANDER, J. E.	HENRY, G.	REGENSBURGER, R.
BREADY, J. I.	JACKSON, M. M.	STONE, J. McW.
CHAPIN, W. J.	JONES, L. E.	WEINSHENKER, R. S.
COOK, E. C.	MARKS, M.	WINKLESS, P. E.
ERICKSON, W. N.	MITNICK, J.	WONG, Y. M.
GOTTLIEB, M. D.	PETERSON, C. F.	ZEMKE, A. W.
GREY, P. C.	PETERSON, G. E. O.	

ELECTRICAL ENGINEERS

BROWN, R. W.	GRABENDIKE, C. A.	MALPEDE, D. J.
EPSTEIN, H.	ILLG, R. S.	SEYFERLICH, W. M.
ERLANDSON, N. H.	KLENZE, R. O.	SMELY, J.

CIVIL ENGINEERS

ANDERSON, H. E.	GRAMMAS, P.	MATSON, E. M.
ANNING, J. L.	HERTWIG, F. A.	PASSIALIS, C.
FAINSTEIN, M.	MANCHEE, R. P.	STEIN, A.

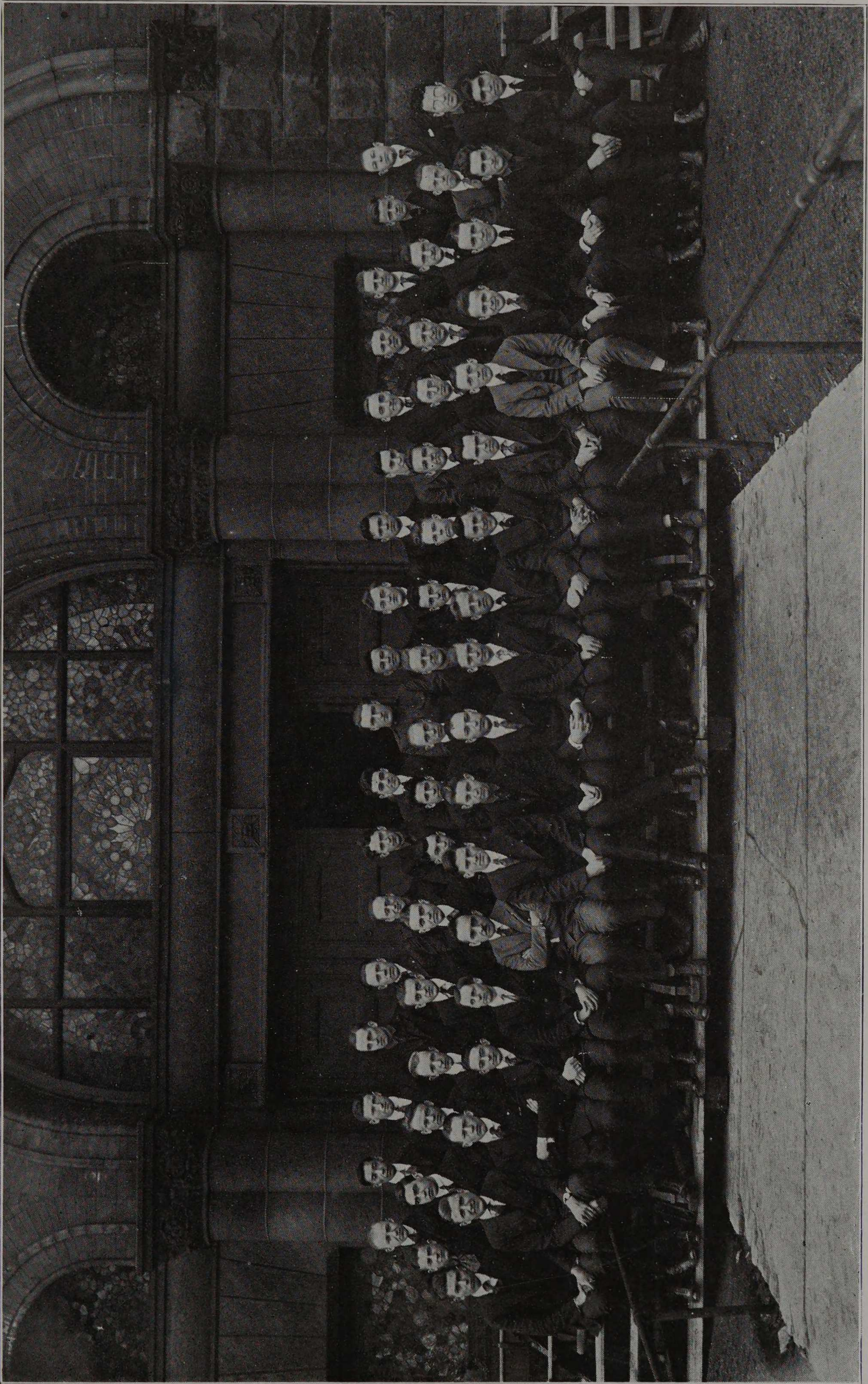
CHEMICAL ENGINEERS

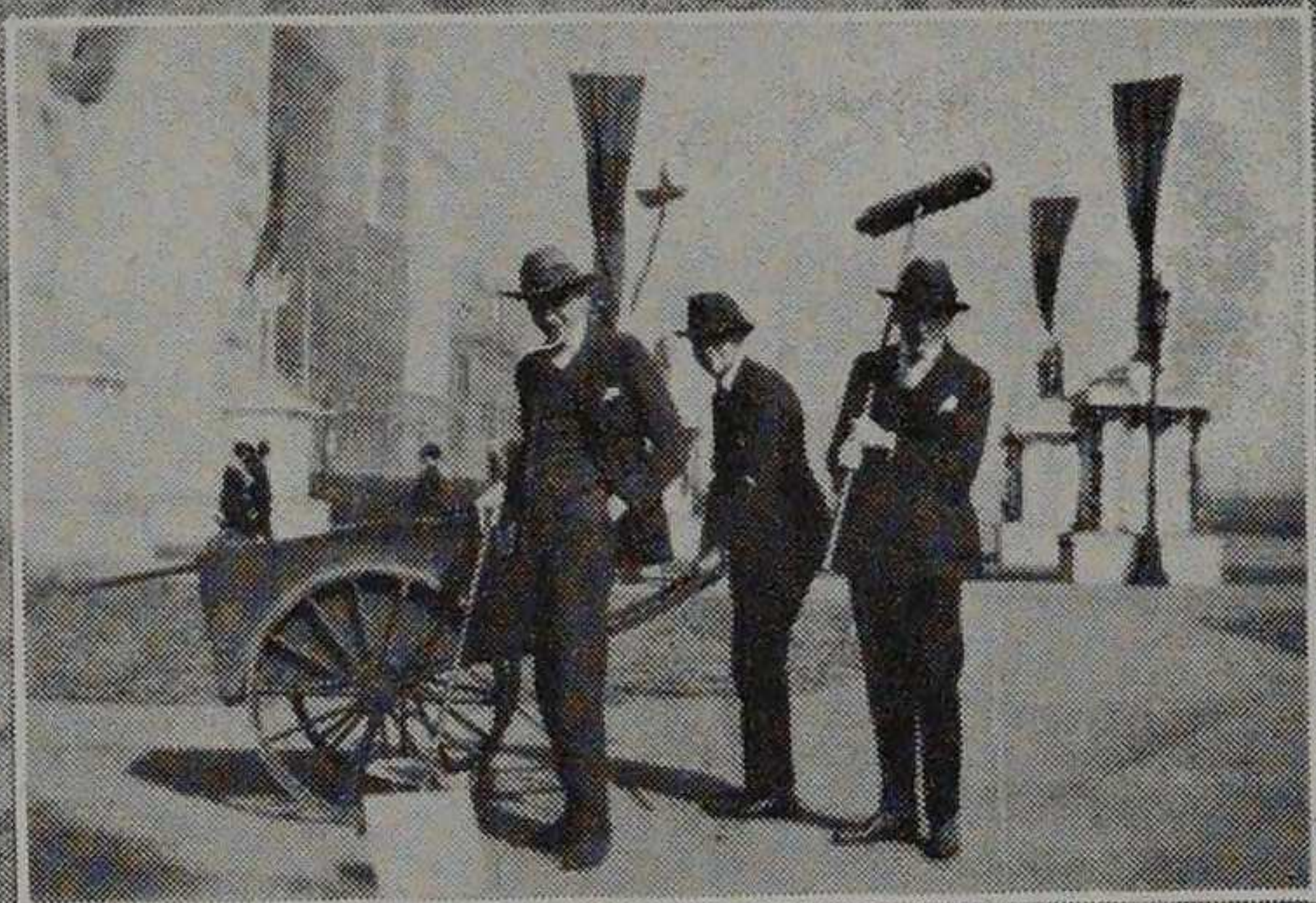
ALLAN, C. W.	McCAULEY, W. T.	STERN, P. L.
BENTLY, W. J.	PASHKOW, A.	VOGT, E. G.
BERNSTEIN, J. M.	PODOLSKY, D. H.	WEATHERS, A. T.
LYON, A. L.	PORTER, E.	WOHLGEMUTH, B. E.

ARCHITECTURAL ENGINEERS

ABLOMOWICZ, S. V.	KARLSON, J. A.	STEINBERG, E.
CARDWELL, L. K.	LARSON, G. E.	SEVIC, W.
FOLEY, A. W.	O'CONNOR, W. J.	YERKES, W. F.
HINKLEY, F. C.	POPKIN, J.	

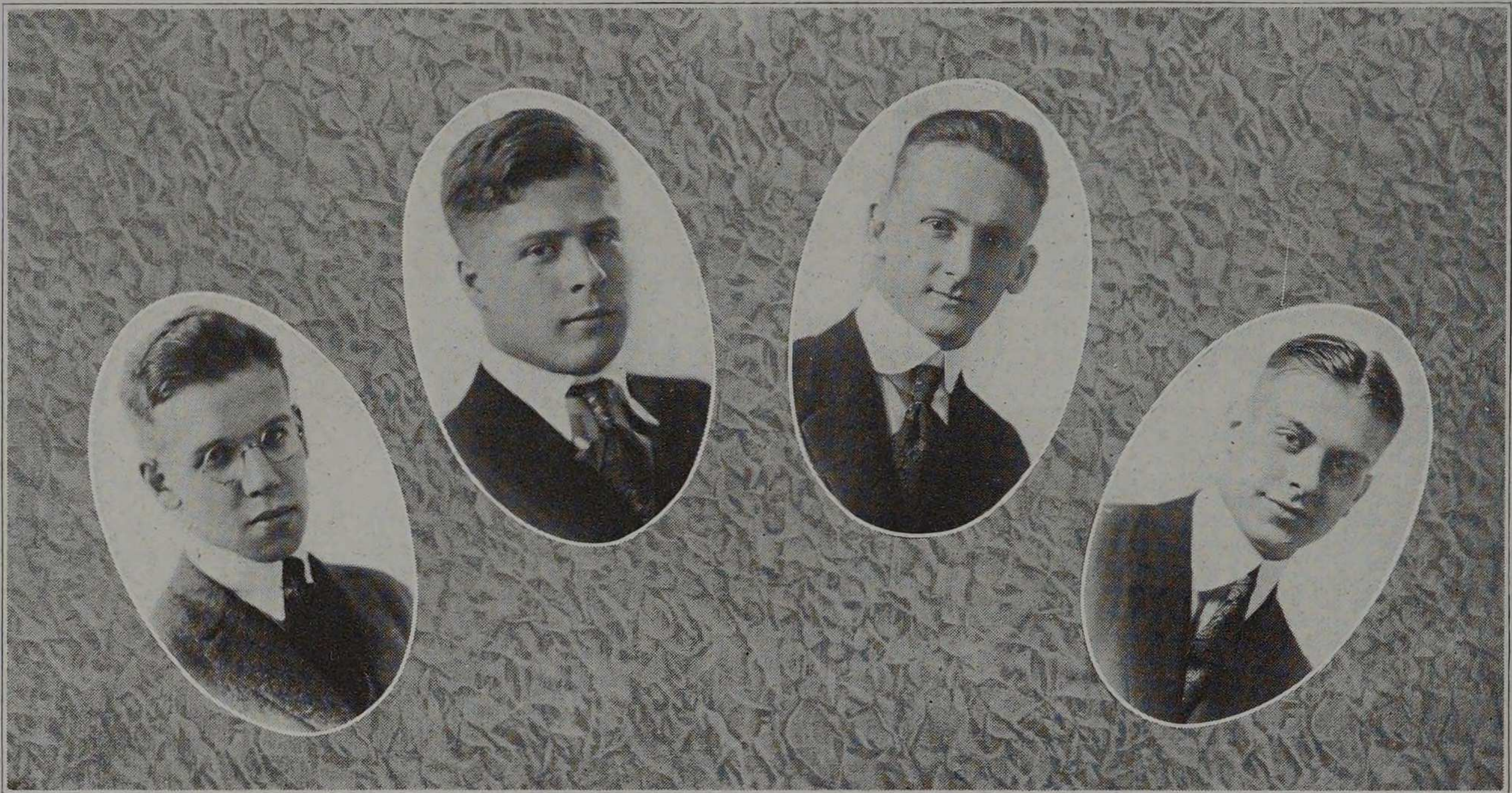
CLASSES





19 SOPHOMORE 21





Officers of Class of 1921

T. MICHELS	<i>President</i>
L. SCOTFORD	<i>Vice-President</i>
J. P. SANGER	<i>Secretary</i>
F. E. HAYDEN	<i>Treasurer</i>
D. L. ROSENDAL	<i>Sergeant-at-Arms</i>
R. W. VAN VALZAH, <i>Cycle Representative</i>	

SOCIAL COMMITTEE

E. W. PFAFFLIN, *Chairman*

A. F. SPITZGLASS

R. A. ISAACS

G. W. PETERSON

C. J. SIPPLE

Sophomore Class History

...

WE have burned much oil. We have burned much gas. Yes, our electric light bills are high. The stairways have fairly shivered under our constant migration to the roof garden of the fifth floor even as did our knees shake as we entered school on that memorial first day. But oh! boh! what is the attraction on the fifth floor. Can it be a menagerie that we crave to see, or is it a mad rush for gold? No, it could not be either of these. It is rather a place where the young energetic student learns the difference between a marine cross-head and a lamp shade. He becomes embued with the higher thoughts of a drafting room. Now we have it; a drafting room, Dr. Ried's noted emporium, with its ever blinking lights and all its working models that need continuous oiling. Fellow students, hear us. Is not this sufficient enticement for our terrible stampede to the drawing room observatory? Yes we struggled diligently through this for one whole year and now what is our reward? Merely that we are sophomores, and we have just handed you the usual Freshman line of "bunk."

"Little", they don't seem to know who we are yet. What about introducing ourselves. Show the school that we are the only live class in it. Perhaps some of those other classes will be able to answer us. Now all together just as we used to do last year.

Son—of—a—gun
 Son—of—a—gun
 I—9—2—I

It was with this spirit that we started right off on the word go at the beginning of the school year. However, we did not continue long as a class but instead joined the ranks of the S. A. T. C. to become a part of the great American Army. Many of our fellows, urged on by the patriotic spirit of war, joined other branches of the service, a number becoming officers. In other words the class as a body fell into step with the nation, each doing his bit. But army life was soon brought to a close and we settled down to the old routine of a college career.

Although our class was somewhat depleted to commence with, we did hesitate to organize immediately. Our first class meeting was held on December 31, 1918, when we elected Mr. T. Michels as President. He is one of those regular Armour men ably directing the affairs of his class and also taking part in all the school activities. Mr. L. Scotford was elected Vice-President at the same meeting and F. Hayden and J. Sanger were elected Treasurer and Secretary respectively. Through the efforts of these officers most of the brilliant showing of the class must be attributed.

The sophomore basketball team was composed of Michels, Rosendal, Anderson, the Stechlow brothers, and Nudleman. Under the careful guidance of Anderson the team did exceptionally fine playing. They did not exactly defeat all comers but the juniors had to step some to beat them. The organization of a baseball team is now on foot and the material looks mighty good. If you don't believe it ask "Fred."

The big social event of the year, though, was the Sophomore Dance held in the Black Cat Room at the Edgewater Beach Hotel. Some "Hop" with nifty programs n'everything. The large turn-out all joined in step with the peppy music rendered by one of Robert's orchestras. To Pfaffin with the other trusty members of his social committee belongs the credit.

Class of 1921

...

MECHANICAL ENGINEERS

BARCE, S. H.	McLAUGHLIN, H. D.	SPITZGLASS, A. F.
BIRD, H. W.	MARANZ, L. S.	STEINER, A. J.
BISSELL, W.	MAY, M. F.	SANGER, J. P.
CURTIS, H. E.	NEWMAN, L. B.	SCHWACHTGEN, E. C.
DOOLITTLE, C. B.	NURCZYK, F.	SEDGWICK, T. C.
FRIEDER, R. W.	PLOCAR, J. J.	VANVALZAH, R. W.
GROSS, M. G.	PFEIFFER, C. L.	WALTER, C. F.
GROSSMAN, S. W.	QUINLIN, F. D.	WEBSTER, S. H.
HEITNER, W. A.	RUMELY, M. A.	ZINN, E. K.
LAWRENCE, J.		

ELECTRICAL ENGINEERS

ALBEE, T. L.	KNOTEK, R.	RICHMOND, J. W.
ANDERSON, F.	MEHRHOF, A. R.	ROSENDAL, D. L.
DOBERSTEIN, G. A.	NUDELMAN, E. M.	RUDD, E. B.
GRANT, R. J.	O'ROURKE, J. J.	SLOAN, A. H.
GRILL, M. J.	PEARCE, W. W.	THOMPSON, J. B.
HUTH, R. H.		

CIVIL ENGINEERS

BRANIGAN, D. A.	LOOHOU, G. W.	PETERSON, G. W.
BURKE, S. J.	LYON, W.	SINGER, R. M.
CARSON, J. C.	OLEKSY, J. J.	STREHLOW, A. J.
DOUGLAS, W. A.	ORTON, P. A.	STREHLOW, R. C.
EIERDOM, E. G.	OIEN, A. A.	SCOTFORD, L.
HALLBOWER, E. L.	MICHEL, T.	WILSON, T. C.
HAMMERMAN, M. A.	MUNDT, E.	WOODS, H. E.
HAYDEN, F. E.		

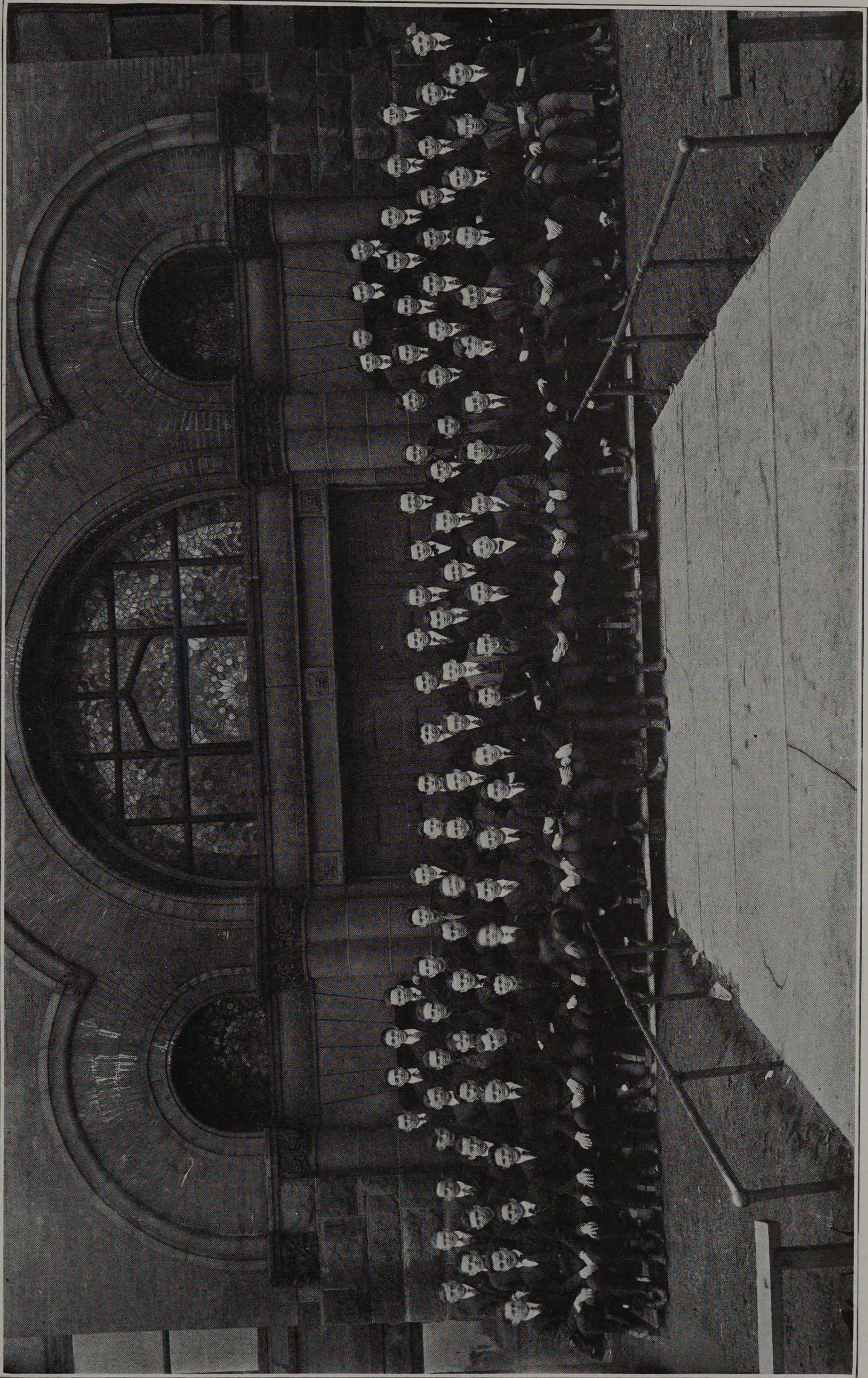
CHEMICAL ENGINEERS

ALTER, I. C.	McCORMACK, J. T.	SCHURMAN, I. L.
DOWSE, G. M.	MANN, H. A.	THOMPSON, A. J.
DUCH, L. C.	MEILINGER, G. H.	VANRYN, L. W.
HERR, W. N.	PHAFFLIN, E. W.	VERIMIS, M. C.
ISSACS, R. A.	SCHARF, E.	VORSHEIM, G. H.
KAPLON, H.	SCHERGER, R. K.	WINTER, E. F.
LITTLE, J. H.	SCHIFFMAN, H. M.	

ARCHITECTURAL ENGINEERS

BALDWIN, F. M.	HOFMEESTER, T. M.	SCHLOSSMAN, N. J.
BROWDE, A. M.	LOEBL, J. J.	SCHOENING, A. J.

CLASSES



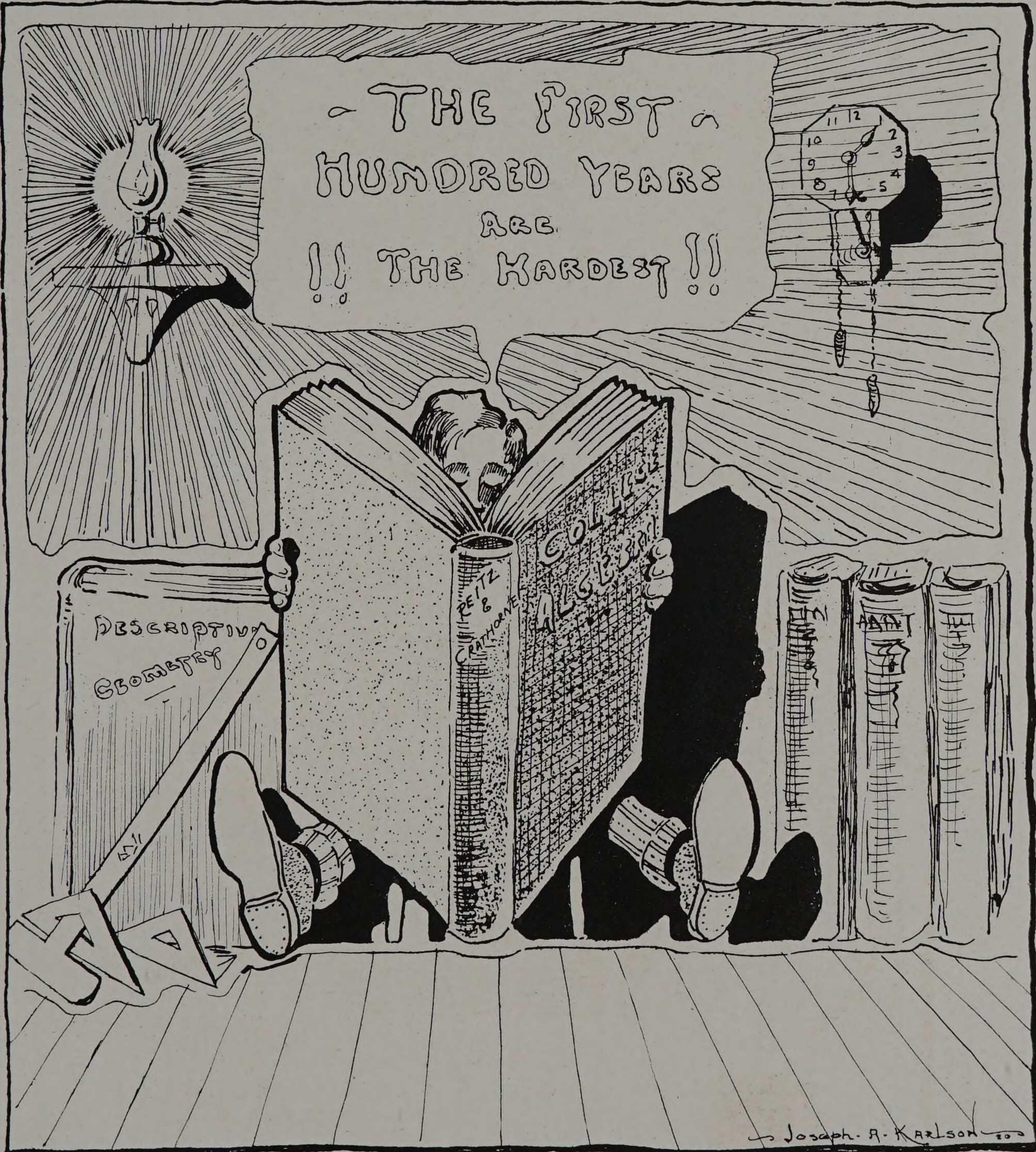
AND SO 'T WAS

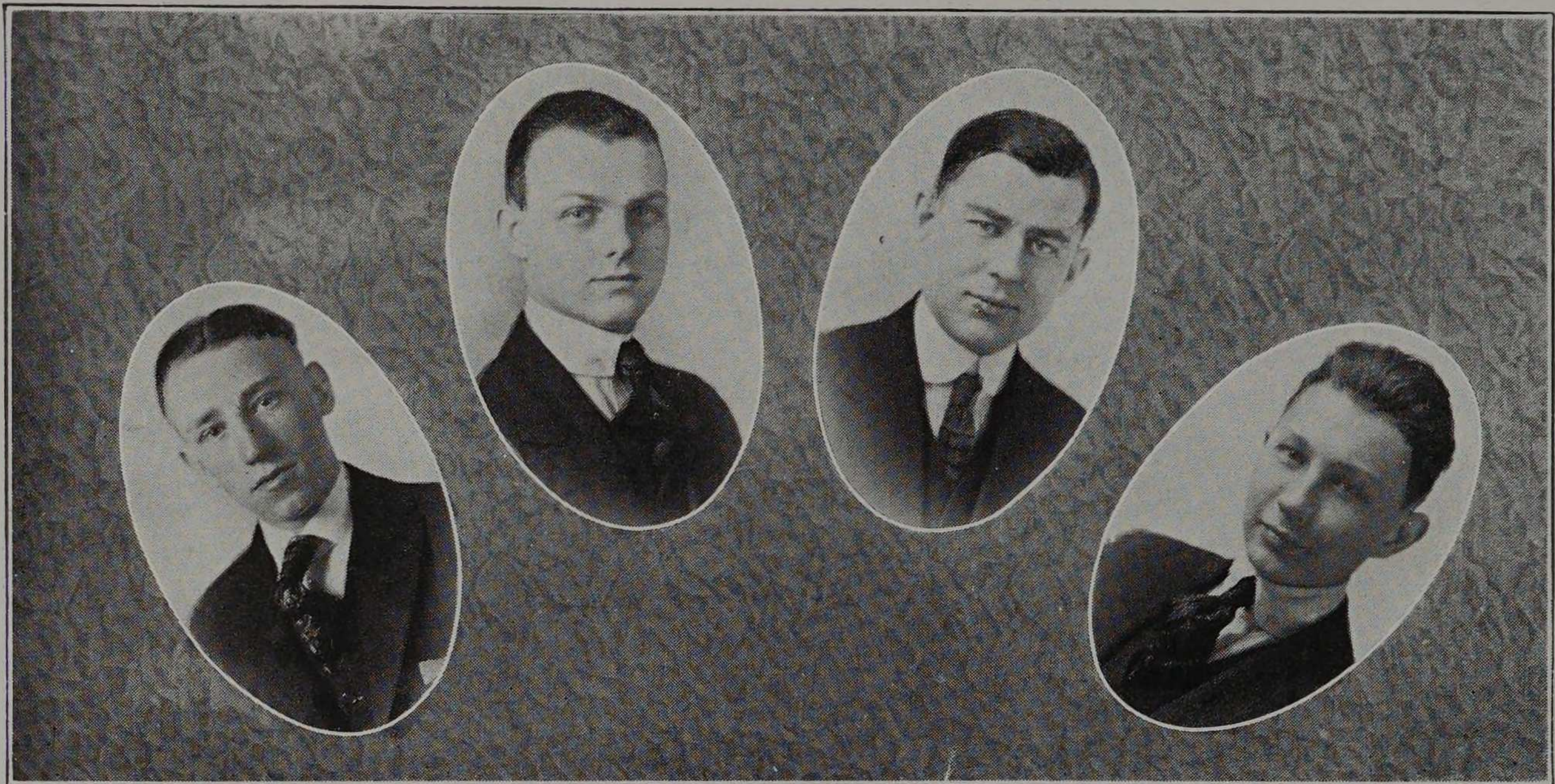
A.F. SCHIMEK

BATTALION!



19 FRESHMEN 22





Officers of the Class of 1922

EDWIN G. WALKER	<i>President</i>
ROBERT P. BURNS	<i>Vice-President</i>
JEFF CORYDON, JR.	<i>Secretary</i>
HENRY W. HERBST	<i>Treasurer</i>
HOWARD S. FABER	<i>Sergeant-at-Arms</i>
RUSSELL A. MERZ	<i>Cycle Representative</i>
WILLIAM H. VICKERS	<i>Athletic Representative</i>

SOCIAL COMMITTEE

R. R. MAGUIRE, *Chairman*

K. G. SEDGWICK	W. T. GRAY
H. R. CARLSON	H. S. VANDERBEE

Freshman Class History

BEFORE the class had become organized, the Y. M. C. A. showed the members a good time at the annual Freshman handshake. We were the guests of the Hyde Park department, and were treated royally. It was a genuine handshake, and the fellows knew each other like old friends before they left. Everyone enjoyed Dean Monin's talk, in which he gave us considerable information which has been of value to us. The swimming exhibition and contests were enjoyed, as were the basketball games and the talk by a "Y" man on his experiences overseas.

Our class had an experience which was unique in the history of Freshman classes. There never was a class which had the army enter its life as this one had. From authentic reports, the Armour branch of the Students Army Training Corps was the best in the country, and the Freshmen had much to do with its success. Many men came to Armour because of the chance to be in college and in the army at the same time, and so the ranks of the unit were swelled considerably by Freshmen, who comprised about one-half of the total number. The men were benefited in many ways by their army life, and they had many enjoyable experiences. Among the notable happenings during the régime of the S. A. T. C. were the big dance and Peace Day, which will never be forgotten.

On December 19, 1918 the class held its first meeting. Mr. Rensch gave us a start on our political career, acting as chairman until we elected Edwin G. Walker as class president. We then elected Robert P. Burns, vice-president; Jeff Corydon, secretary; Henry W. Herbst, treasurer and Howard S. Faber, sergeant-at-arms. Walker appointed Vickers as athletic representative, and Maguire, K. G. Sedgwick, Carlson, Gray and Vanderbee as members of the social committee. The following yell was suggested and immediately adopted by the class:

Show your pep! Watch your step!
We're the class that's got the rep!
Son—of—a—gun! Son—of—a—who?
Nineteen—twenty—two!

The class basketball team was made up of good men, and although they were working under heavy odds, they came out as well as the Sophomores, for which the class bought them numerals.

We should have liked to have a chance to clean up the sophs in the yearly rush, but circumstances were such that the rush could not be held, and so we made up for it by our stunts on circus day.

The last, best, and biggest thing of the year for the Class was the Freshman Informal. It was a regular old Armour dance, given where regular old Armour dances were always given, at Hotel La Salle. Our class was the first since the close of the war to revive the old custom of giving these affairs at the La Salle and we certainly returned like the prodigal son. The dance was a genuine success, and much credit is due to the social committee as a whole and especially to Chairman Maguire, whose indefatigable energy made our dance the great success of the year. There was a good floor, good music, good refreshments, and good dancing partners. What more could there be in a dance but these? Even the upper class men condescended to say that it was a real dance.

Taking everything into consideration the Class of '22 had a full year, despite the fact that the S. A. T. C. interfered considerably with the usual order of affairs.

Class of 1922

...

MECHANICAL ENGINEERS

ALLAN, W. A.	GINSBURG, S. W.	RUGICKA, C. J.
ANDERSON, W. J.	GROVE, R. B.	RIEGER, E. C.
BAHLMAN, W. J.	JURASKA, J. B.	RODMAN, M. J.
BAKER, F. L.	JENNINGS, D. S.	SEDGWICK, K. G.
BLOOM, W. C.	KUEHN, O.	SHAUGHNESSY, J. B.
BOHNEN, E. J.	LIPSKY, W. S.	SUGARMAN, M.
BURSIK, F. J.	LOEWE, R. P.	SWANSON, M.
CORYDON, JEFF, JR.	LINO, F. D.	TARRANT, W. J.
DUENNES, F.	MANSHE, F. A.	VANDERBEE, H. S.
DELEVITT, S.	MEYER, D. M.	VICKERS, W. H.
DIXON, C. L.	MULLANEY, B. L.	VODIANCY, H.
EISENSTEIN, SAM	NICHOLSON, H. E.	WEBSTER, E. J.
ERICKSON, E.	NONAKOWSKI, B. L.	WENCLICK, A. G.
ERICKSON, W. E.	OLSEN, M. R.	WITTENMEIER, F. G.
EVANS, C. H.	REYNOLDS, F. B.	WALKER, M. S.
EGERTON, M. R.	RUPPRECT, P. J.	WETHERBEE, B. E.
GEORGEVICH, E.		

ELECTRICAL ENGINEERS

ADDER, G. H.	HULTGREN, H. I.	MULLER, J. K.
APOSTOLOS, S. D.	HIGGENS, J. B.	MILLER, D. W.
BENZARK, L. J.	KEENE, C. L.	ORTH, J. A.
BURNS, R. P.	KELLEY, G. H.	PASK, R. J.
BELING, E. H.	KENRICK, A. S.	PEARSON, H. R.
BENTE, S. H.	KRAMER, J.	RIWALDT, R. H.
COOLEY, V. L.	KELNER, J. G.	SENELICK, S. B.
DIEFENBACH, A. J.	KINNHA, H. E.	SHAY, F. G.
DESMOND, W. F.	KUMBERA, S. C.	SISSON, E. F.
ERBY, P. H.	MCCANN, C. C.	TROWBRIDGE, W. S.
ERNBERG, A. R.	MILES, R. O.	WANER, J. H.
GOODNOW, E. A.	MUESER, E. G.	WITTEN F. H.
GARTLAN, B. J.		

CHEMICAL ENGINEERS

AUGUST, C. M.	FISHMAN, L. J.	MERZ, R. A.
BAKER, W. N.	GILBERTSON, G. A.	RIEDER, F. S.
BLUM, P. B.	GRAY, W. T.	ROSENWIEG, B. R.
COMBS, E. M., JR.	HERBST, C. A.	SHOLNICK, E.
DAVIS, A. A.	HERBST, H. W.	SLOBOD, E.
DEUTSCH, W. A.	HOLECEK, F.	WALKER, E. G.
DHUS, E. J.	JAMES, C. B.	WIES, L. P.
DIETZ, C. J.	KIRKHUFF, C. M.	WOLF, V. L.
EDWARDS, A. I.	LARSON, E. S.	WOODHARD, M. P.
FABER, H. S.	LEWIS, J. W.	WILLIAMS, S. R.
FENNER, W. L.	MCCOFFREY, J. W.	WEGNER, E.
FINN, FRANK	MARINE, M. H.	

CLASSES

CIVIL ENGINEERS

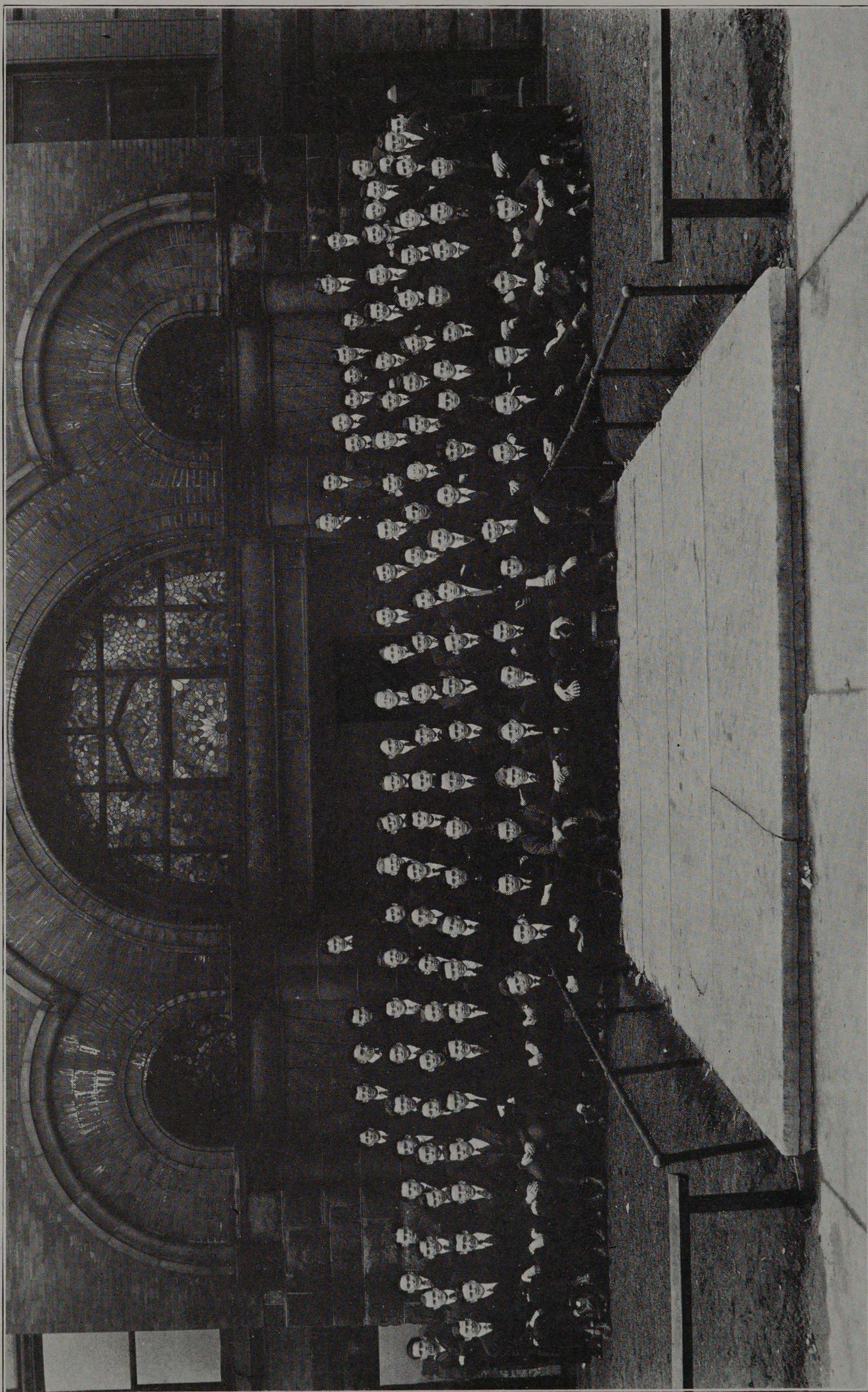
ALGER, O. H.	HEYNS, H. E.	MYERS, MAX
ATKINS, H.	HOCHRIEN, J. G.	OLSEN
AURERBACK, H. A.	HYDE, D. R.	PETERSON, H. A.
BARRETT, L. J.	ISAACSON, S.	PINTHER, J. H.
BURNS, D. L.	KOCH, M.	ROSENTHAL, E. L.
BURNSTEIN, J.	LEBAHN, R. O.	RUBENSTEIN, D.
BOEHMLER, E. W.	LINNSTROM, W. N.	SCHMIDT, C. E.
DEININGER, H. E.	LOUIS, V. T.	SEABURGH, E. M.
DORAN, W. J.	MACDONALD, F. P.	SIMPSON, M. B.
GERNSTEIN, H. H.	MACHEK, C.	TICHY, C.
JENKINS, O. J.	MASON, E. B.	UNGER, C. M.
FINKELBERG, P. J.	MCENTEE, F. M.	VAALE, J. C. E.
HAGUE, A.	MILLER, D. J.	WATT, J. H.
HANACEK, V.	MILLER, H. J.	WEICK, F. E.
HERSHOVITZ, E.	MORRISON, B. J.	

ARCHITECTURAL ENGINEERS

BRENNWASSER, S.	LEDEBUHR, A.	RABITO, GUY
CRAWLEY, K. G.	LEWIN, A. J.	SOMMER, L. H.
DALRYMPLE, W. L.	MINKUS, R. L.	TOBIN, S. N.
DEMUTH, J.	PAPDOPULOS, C.	WALWORTH, R. H.
KIMBALL, ELIZABETH		

FIRE PROTECTION ENGINEERS

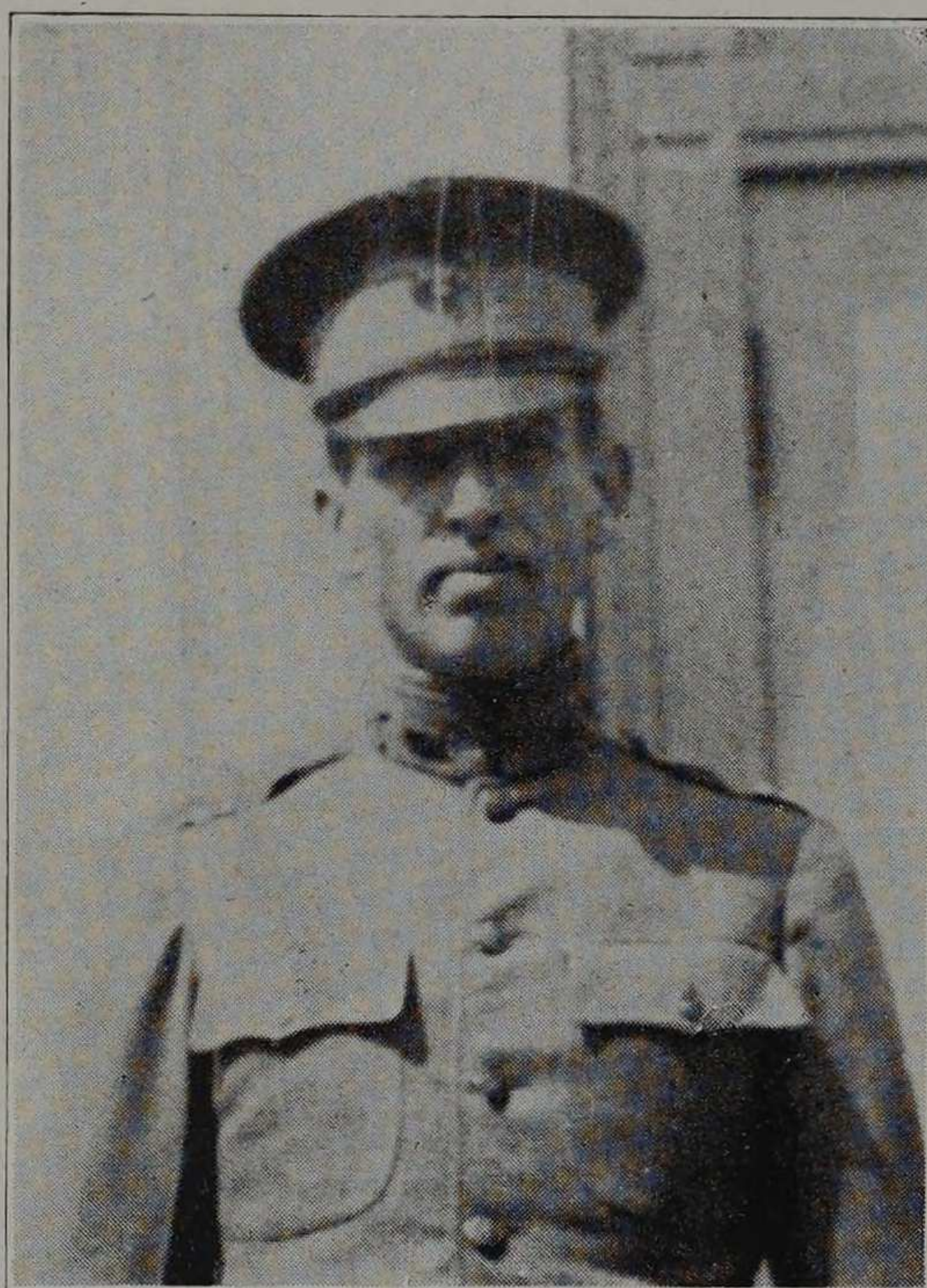
MAGUIRE, R. R.	RAHN, E. H.	RODDICK, J. W.
OAKE, W. W.		







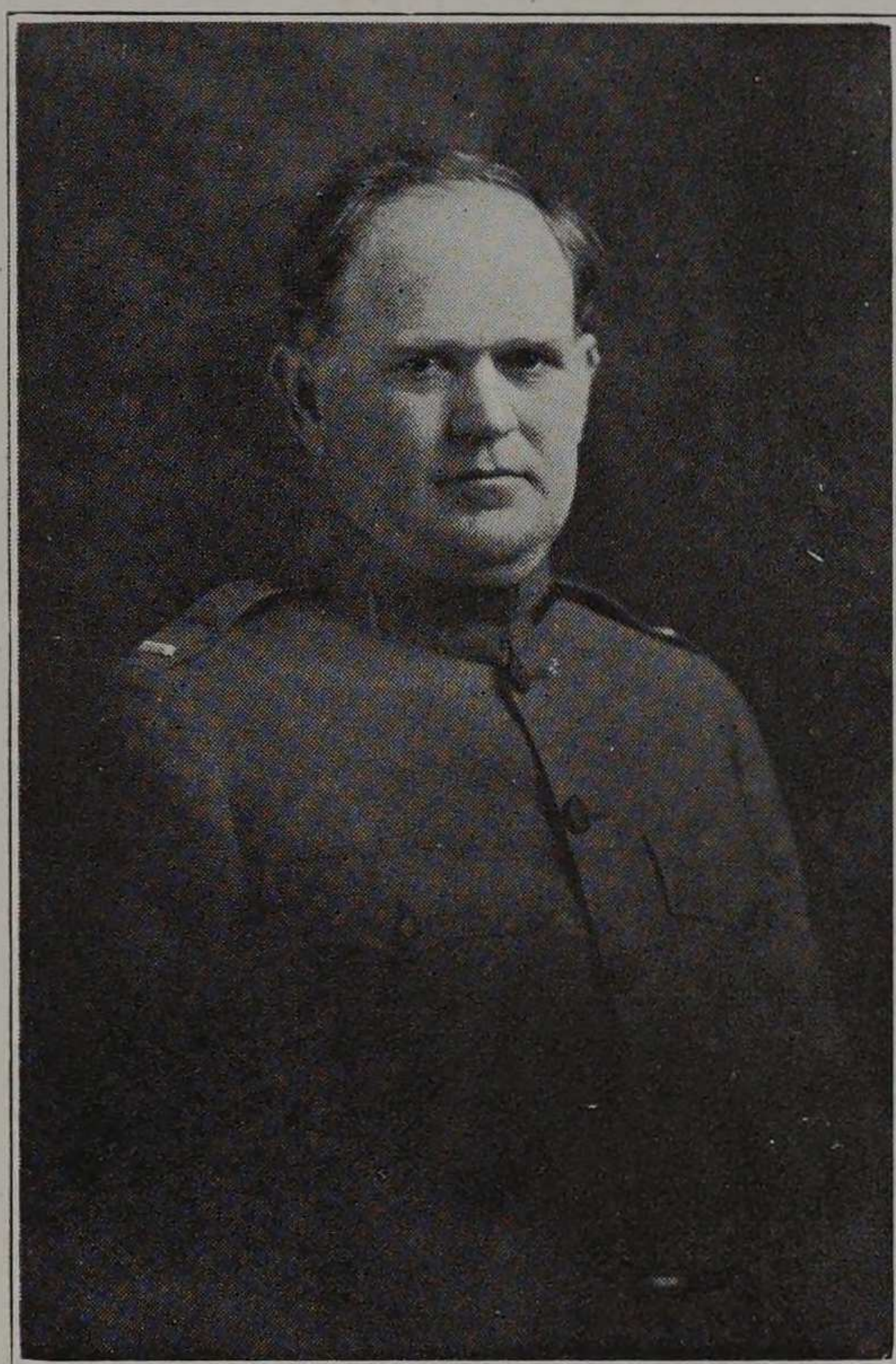




Captain Vincent E. Kannally was born in Oracle, Arizona, on June 9, 1885. Previous to his enlistment he was a cattle rancher at Oracle. On August 26, 1917, he entered the Second Officers' Training Camp at Fort Sheridan, Ill. He received his commission as Captain in the Infantry on November 27, 1917, and assigned to the 89th Division at Camp Funston, Kansas. Remaining here during the winter he was assigned as Commanding Officer, N.A. Training Detachment at Colorado Springs, on May 14, 1918. On September 14, 1918, he was sent to Armour Institute as Commanding Officer of the S. A. T. C. where he remained until his discharge from service, January 14, 1919.

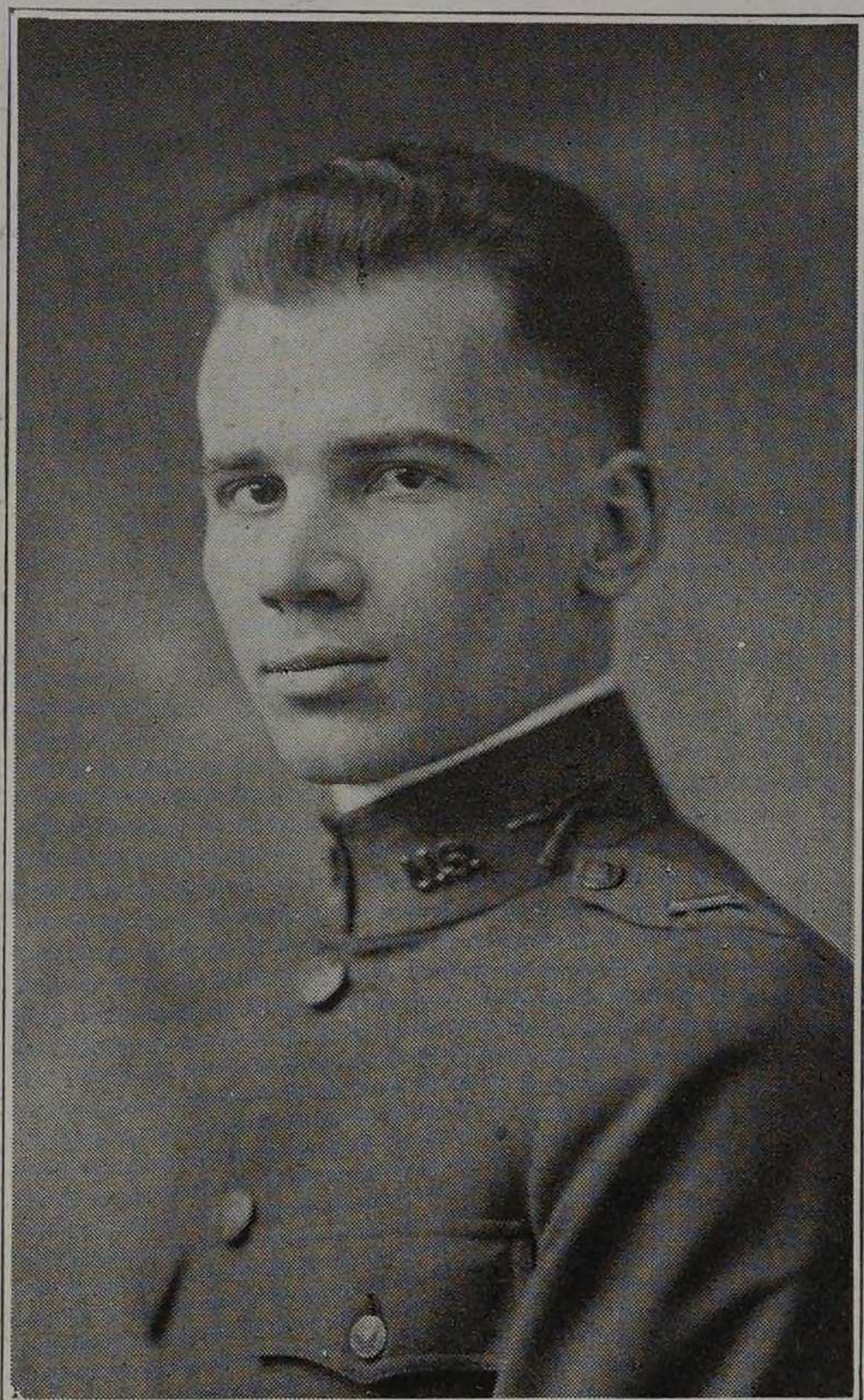
Lieut. Ozro White Cunningham was born in Marshall County, Tenn., on June 25, 1871. He attended the Kentucky School of Medicine, Louisville, Ky., where he graduated with the class of 1902. He practiced his profession at Valley View, Texas.

In September, 1917, he was commissioned 1st Lieut. in the Medical Reserve Corps, and was called to active duty in February, 1918, when he was sent to Fort Sill, Okla., and assigned to the 9th Field Artillery. On March 30, he was transferred to Fort Riley, Kan. After completion of this course, he was assigned to duty with the S. A. T. C. at "Armour" where he remained until his discharge December 23, 1918.



1st Lieutenant Curtis M. Wright, commanding S. A. T. C. at Armour Institute under Captain Kannally.



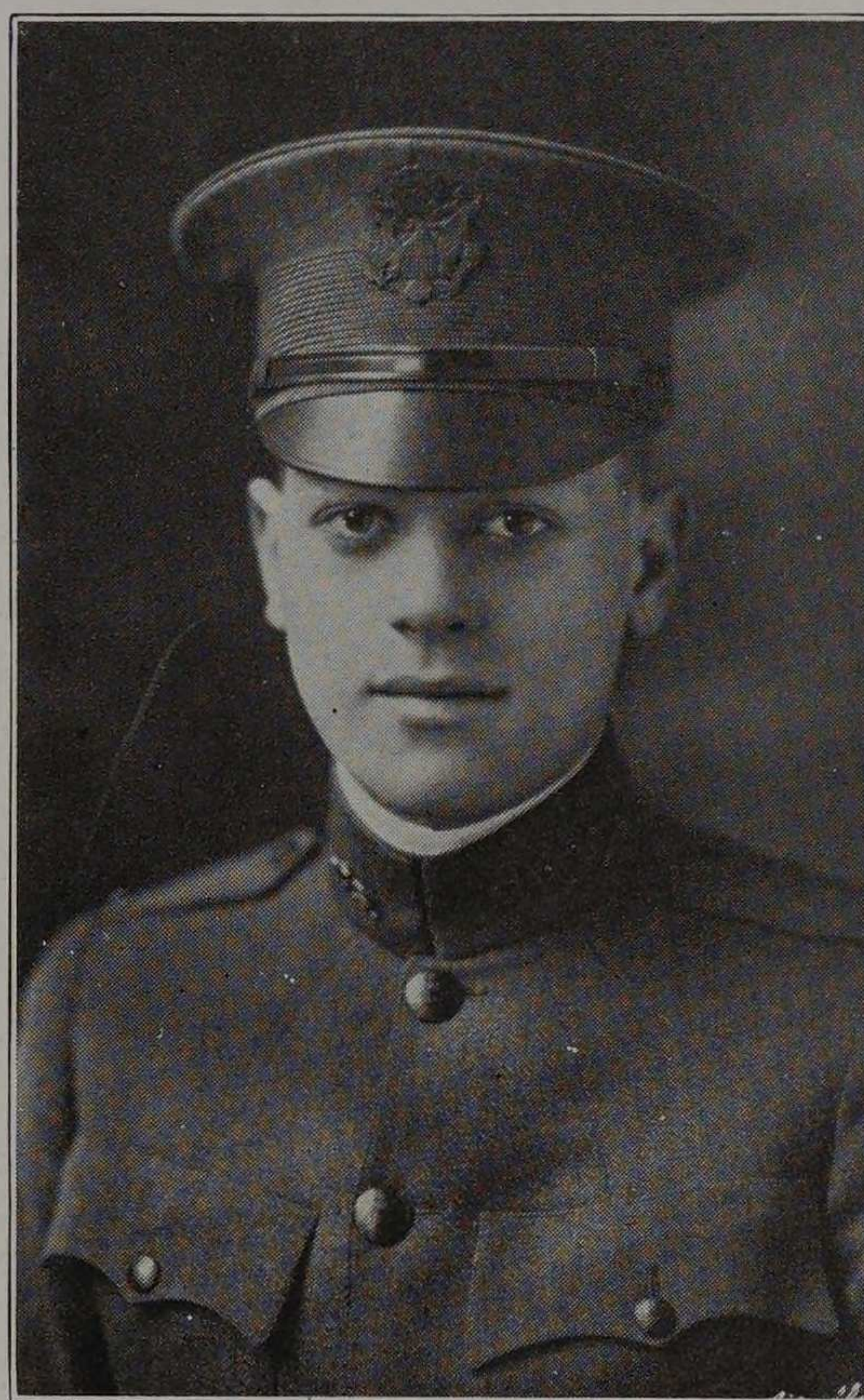


Lieut. George A. Cormey was born at Waltham, Mass., on September 18, 1893. A graduate of Waltham high school, he attended Norwich University, Vt. From May 12 to August 15, 1917, he attended the Officers' Training Camp at Plattsburg Barracks, New York, and was commissioned a Second Lieutenant in the Cavalry. He was a member of the "Iron Battalion" at Harvard University from August 19 to September 19, 1917. From September, 1917, to June 26, 1918, he was assigned to the 304th Infantry, Camp Devens, Mass. He was now ordered to Armour Institute to serve as an instructor in the S. A. T. C., where he remained until his discharge.

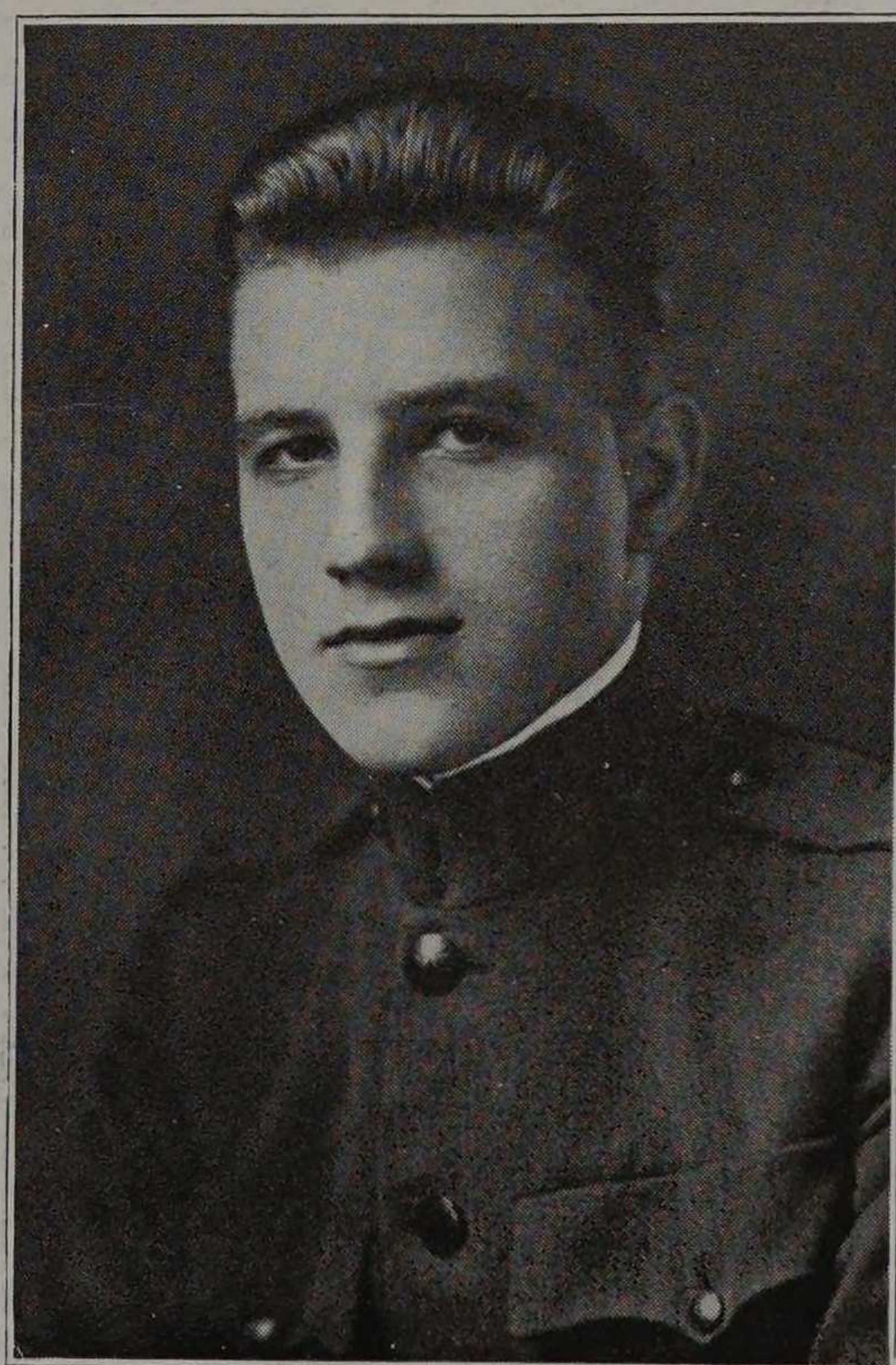


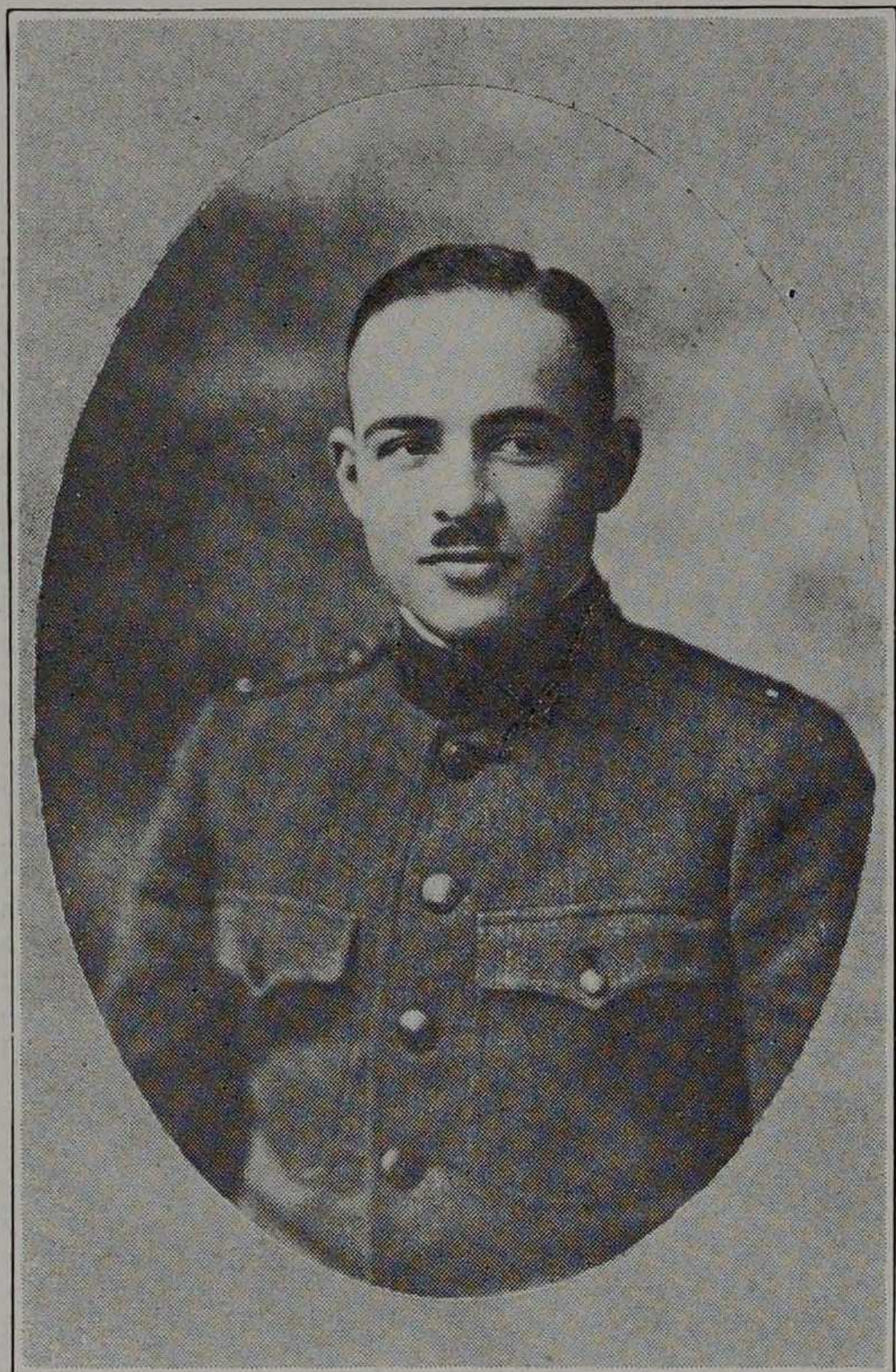
Lieutenant Wm. H. Lautz was commissioned a Second Lieutenant at Fort Sheridan, September 16, 1918. He was assigned to the S. A. T. C. at Armour Institute where he served in the capacity of adjutant. In civilian life he is the Asst. Prof. of Architecture at Armour, to which duties he returned after his discharge.

Lieut. Morris R. Meyers of Springfield, Ill., was a Junior at the University of Illinois previous to his enlistment. Shortly after entering service he was commissioned a Second Lieutenant of the Infantry and was assigned to the Small Arms Firing School at Camp Perry, Ohio. On October 14 he was assigned to the S. A. T. C. at Armour Institute, from which he was discharged on December 19, 1918. He resumed his work at the University after his discharge.



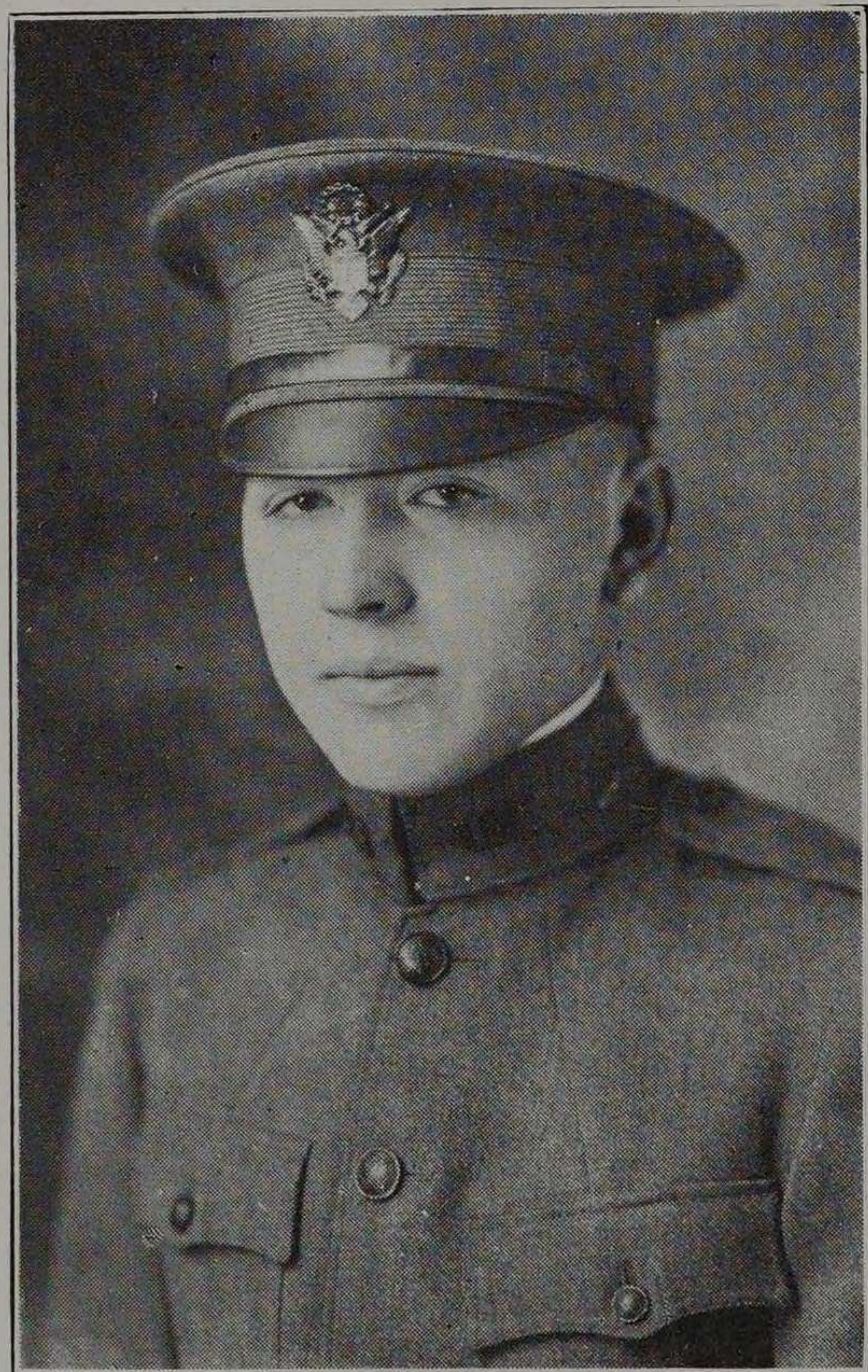
Lieut. Everett Sackrider was born in Sandstone Township, Jackson County, Mich. In the fall of 1917 he entered the Michigan Agricultural College. In the summer of 1918 he was sent to the training camp at Fort Sheridan by the college. On September 16 he received a commission as Second Lieutenant whereupon he reported to Armour Institute for duty. He remained here until December 18, 1918, when he was discharged and resumed his work at college.





Lieut. Harold S. Salzenstein was born in Peoria, Ill. He spent two years at Bradley Polytechnic Institute in Peoria and then went to Kemper Military Academy, Mo., for two years. After graduation from Kemper, he spent one year at Wisconsin University and the following year at Illinois. At the end of the school year he left for Fort Sheridan training camp from which he received his commission as Second Lieutenant of Infantry on September 16, 1918.

He was immediately sent to Armour Institute as military instructor in the S. A. T. C., in which capacity he served until the time of his discharge in December.



Lieut. Irvin T. Sanborn was born in Chicago, Ill., on June 4, 1898. In the fall of 1916 he entered the University of Michigan, Department of Civil Engineering. In 1917 he enrolled in the Michigan unit of the Reserve Officers' Training Corps and was appointed instructor in radio work.

On June 3, 1918, he was sent to Fort Sheridan, was commissioned Second Lieutenant of the Infantry on September 12, and assigned to the Armour Institute Detachment of Motor Mechanics. After his discharge on December 16, 1918, he returned to the University of Michigan.

Armour Institute S. A. T. C.

Company "A"

...

SERGEANTS

ADAM, P. J.	CRISTNER	HAVLICK, S. N.
ANDERSON, E. R.	DIAMOND	HAYDEN, F. E.
ANDERSON, HOMER	EVANS, C. M.	ISAACS, R. A.
BENTLEY, W. J.	GILLESPIE, E. S.	KILMER
BRANDT	GOLD, C. L.	KRAMER, J.
CARLSON, C.	GRANT, A. Q.	McCAULEY, W. T.
CHAPIN, W. J.	HAGUE, A.	WELCH

CORPORALS

ASHLEY, E. C.	EDWARDS, A. I.	HALL, T. W.
BREADY, J. I.	GOTHWAITE	HERTWIG, F. A.
BURNS, D. L.	GRANT, R. J.	HILLYARD, R. T.
COOK, E. C.	GRIESHEIMER	ILLG, R. S.
CURTIS, H. E.	GRILL, M. J.	LARSON, G. E.

PRIVATEES

ABLAMOWICZ, S. V.	COHEN, M. L.	FINKELBURG, P. J.
ALLAN, W. A.	COHN, L. I.	FINN, F.
ALTER, I. C.	COOLEY, V. L.	FISCHER, N. C.
ANDERSON, F. A.	CUNNINGHAM	FOWLER, J. H.
ANDERSON, W. J.	CUSHMAN	FRANK, J.
ANTICEVICH	DALRYMPLE, W. L.	FREEMAN
APPLEBAUM	DAVIS, A. A.	FRIEDMAN
ATKINS, H.	DASING, E.	GLOMSKI
BACON, M. F.	DIEFENBACH, A. J.	GOTTLIEB, M.
BARBROW	DEMUTH, J.	GRABENDIKE, C. A.
BARCE, S. H.	DEUTSCH, W. A.	GREENBERG, B. V.
BARRETT, E. G.	DEWSBERRY	GRAMMAS, P.
BELINA, R.	DHUS, E. J.	GRIGSBY, D. W.
BERNSTEIN, J. M.	DIGESER	GRONNER
BIRD, H. W.	DITTMAN	GROSS, M. G.
BLOOM, W. C.	DOEMLING	GROVE
BLUM, P. B.	DOWSE, G. M.	GRUEB
BLUMENSTOCK, J.	DRESSEL	GUZOWSKI
BROAD, R. E. R.	DUCH, L. C.	HAMILTON
BROWDE, A.	DUENNES, F.	HAMMERMAN, M. A.
BROWN, R. W.	ECKHARDT	HENRY, G.
BURKE, S. J.	EIRING	HERBST, C. A.
CARDWELL, L. K.	EISENSTEIN, S.	HERR, W. N.
CARSON, J. C.	ERBY, P. H.	HEYNES, H. E.
CHARLTON, S. L.	ERIKSON, E.	HINTZ, E. H.
CHRISTENSEN	EVANS, C. H.	HOFMEESTER, T. M.
CLARK, C. B.	FABER, H. S.	HOWE, R. W.

Armour Institute S. A. T. C.

Company "A"—Concluded

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PRIVATES

HUTH, H. R.
ISSACSON, S.
JARDINE
JURASKA, J. B.
KAEHLER
KAMM
KARLSON, J. A.
KECH, A. L.

KEETH, J. A.
KIGER
KNOTEK, R.
KOCH, C. M.
KOCH, MARTIN
KRAUT, I.
KRIZ, E. J.
KRUMPEN

KUEHN, O.
KUMBERA, S. C.
KUTTNAUER, L. V.
LEDEBHUR, A.
LINDSTROM, W. N.
LIPSKY, W. S.
LITTLE, J. H.
LUND, H.

Company "B"

SERGEANTS

LAWRENCE, J.
LEWIS, J. W.
LYON, A. L.
MAY, M. F.
MEHRHOF, A. R.

MENDIUS, W.
MICHELS, T.
REHFELDT, H. F.
SCHARF, E.

SCOTFORD, E.
STERN, P. L.
VOGT, E. G.
WINTER, E. F.

CORPORALS

LOEWE, R. P.
MARANS, L.
MALPEDE, D. J.
NICKLIN, C. J.
PETERSON, G. W.
ROSENDAL, D. L.

SEDGWICK, K. G.
SEDGWICK, T. C.
SKEGGS, H. D.
SPITZGLASS, A.
SPONHOLZ, W. C.
THROOP, A. R.

TROWBRIDGE, W. S.
VAALER, J. C.
VANVALZAH, R. H.
VICHERS, W. H.
WILSON, E. K.
WILSON, T. C.

PRIVATES

BERG, D. C.
FERRING, B. J.
HAWKINSON, L. N.
HEITNER, W. A.
HUNT, J. J.
KENRICK, R. S.
KLARKOWSKI, A. E.
LARSON, G. E.
LOCHOW, G. W.
LYON, W. K.
LAZORIS, A. S.
MALLON, W. J.
MALTER, J. F.
MANN, H. A.

MCCAFFREY, J. W.
McCORMACK, J. T.
MEILINGER, G. H.
MERRING, R. K.
MERRION, J. E.
MILES, R. O.
MILLER, D. F.
MILLER, H. F.
MINKUS, R. L.
MITNICK, J.
MORGAN, R. D.
MOSER, H. S.
MUELLEMAN, J. P.

MULLEN, J. K.
MUNROE, A. R.
MONACO, A. R.
MUESSE, H. S.
MUNSON, L. H.
NEWMAN, L. B.
NIENABER, T. G.
NOVAK, A. J.
NOWAKOWSKI, B. Z.
NUDELMAN, E. N.
OAKE, W. W.
OLEKSY, J. J.
O'ROURKE, J. J.

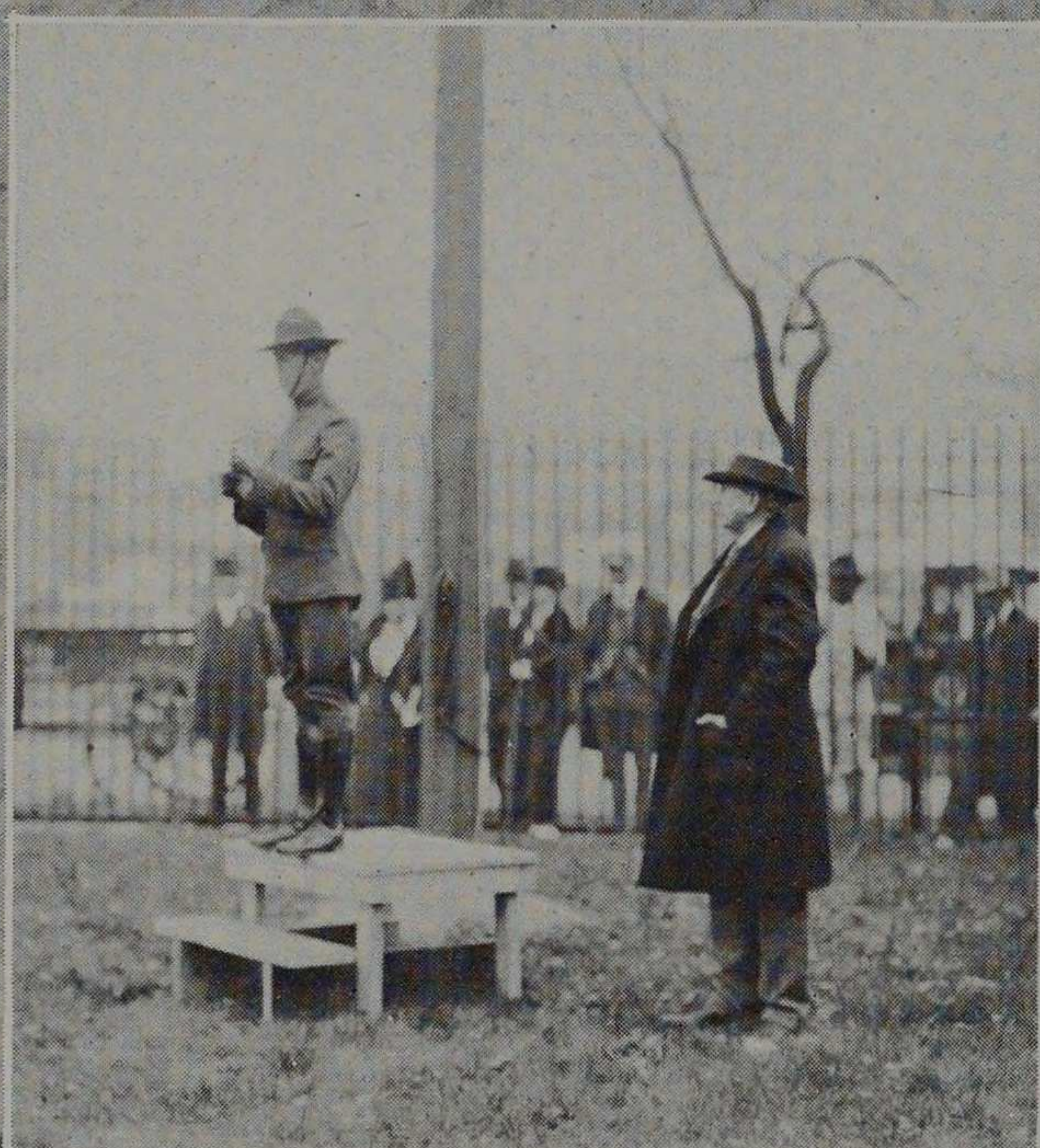
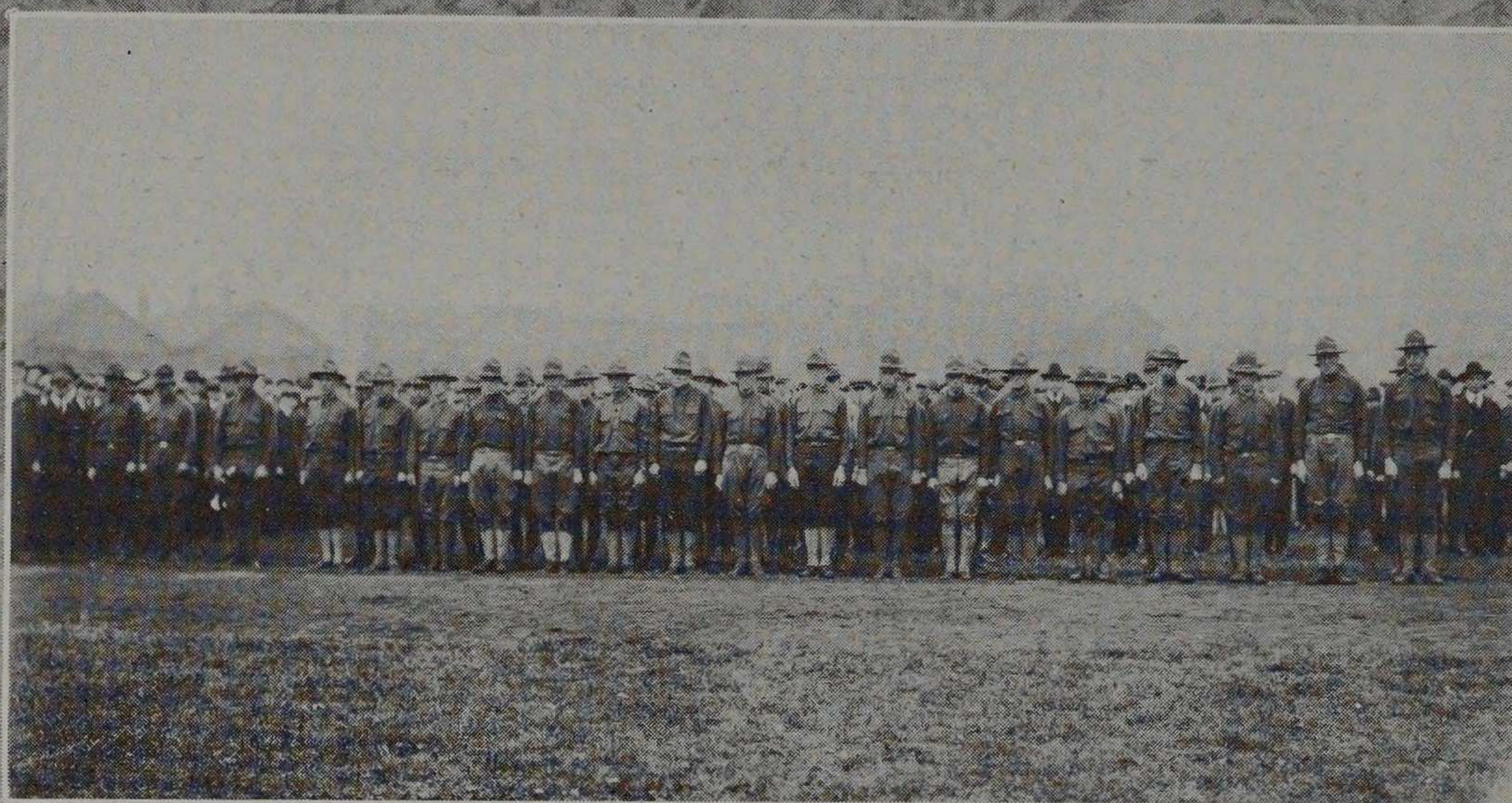
Armour Institute S. A. T. C.

Company "B"—Concluded

...

PRIVATES

O'CONNOR, W. J.	SCHIMEK, A. F.	SWENSON, H. M.
ORTON, P. A.	SCHMIDT, F. R.	THOMAS, L. R.
PAPDOPULUS, C. N.	SCHNEIDER, J. D.	TICHY, C. H.
PASSIALIS, C.	SCHOENIG, A. J.	TRIMARCO, A.
PEARCE, W. W.	SCHURMAN, I. L.	TROWBRIDGE, W. S.
PEARSON, A.	SCHWAGTEN, E. C.	VANDERBEE, H. S.
PETERSON, C. F.	SCHWEITZER, W. W.	VEIT, L. L.
PETERSON, E. H.	SELENSKY, F. B.	VENEMA, J. C.
PETERSON, G. E.	SEVIC, W.	VODIANCY, H.
POPKIN, J.	SEYFERLICH W. M.	WALDBILLIG, P.
QUIN, L. F.	SHAW, M. E.	WALKER, E. G.
QUINLAN, F. D.	SCHEELNICK, E.	WALKER, M. T.
RACKETT, R. P.	SHER, S. R.	WALKER, W. R.
RADUNSKY, S.	SHORT, J. C.	WALSH, D. J.
REED, C. B.	SHUTE, A. J.	WALTER, C. T.
RENSCH, H. N.	SHUTE E. N.	WAVER, F. H.
RIEHER, N. R.	SILVERBERG, S.	WEBB, C. N.
REYNOLDS, F. B.	SIMMER, F. N.	WEBSTER, E. G.
REZEK, G. F.	SIMPSON, L. C.	WEBSTER, S. H.
RIEGER, E. C.	SKELTON, J. N.	WEICK, F. E.
RIEGER, W.	SLOAN, H. D.	WEINSHENKER, R. S.
RODDICK, J. W.	SMALL, F. J.	WEIS, L. P.
ROSENWEIG, B. R.	SMELEY, J.	WESTERFIELD, W.
RUDD, E. B.	SMITH, K. F.	WILLIAMS, S. S.
SANGER, J. P.	SOMLYO, L. N.	WINKLESS, P. E.
SAUNDERS, E. H.	STEIN, A.	WITTEN, F. H.
SAVITSKI, S.	SUGERMAN, A.	WITTENMEIER, F. C.
SCHERGER, R. K.	SUGERMAN, M. C.	ZELENSKA, A. J.
SCHIFFMAN, H. M.		



Looking Back

...

WELL, buddie, you're out of the service now. My but that sounds good; but stop a moment and look back. Think of the days that you spent in the service and of the friends that you made while you were there, and you will agree with me that you have had an experience that you value highly; don't you wish that you could go back there again?

I am sure you remember the chronic army grouch because we all had it. Kick at everything, mess, drill, fatigue duty, company commander, and above all the first sergeant. How we did blame the Old Top for all of the wrongs that befell us. He certainly was the buffer between the enlisted man and the officer and received the censure of both.

You will surely remember the chance meeting with some other soldier when you had a fag and were out of matches and how the conversation drifted in a discussion of this camp or that and you finally agreed that Sheridan was a whole lot better than Monroe because they did set out such a fine mess. The question of eats was just as much the soldier's topic of conversation as the weather is among the "civies" and the quality of each cantonment was finally boiled down to a question of which one had the best mess outfit.

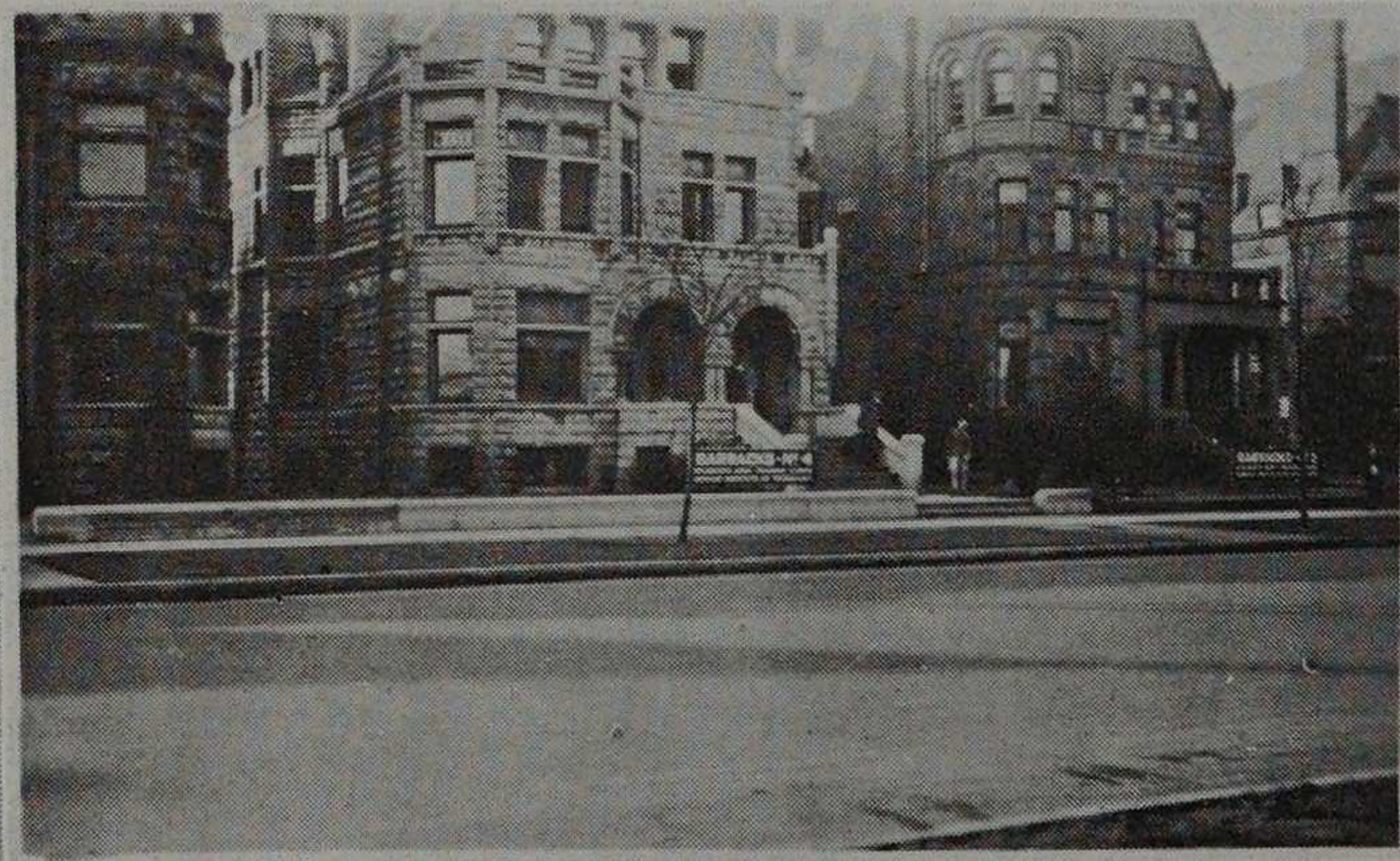
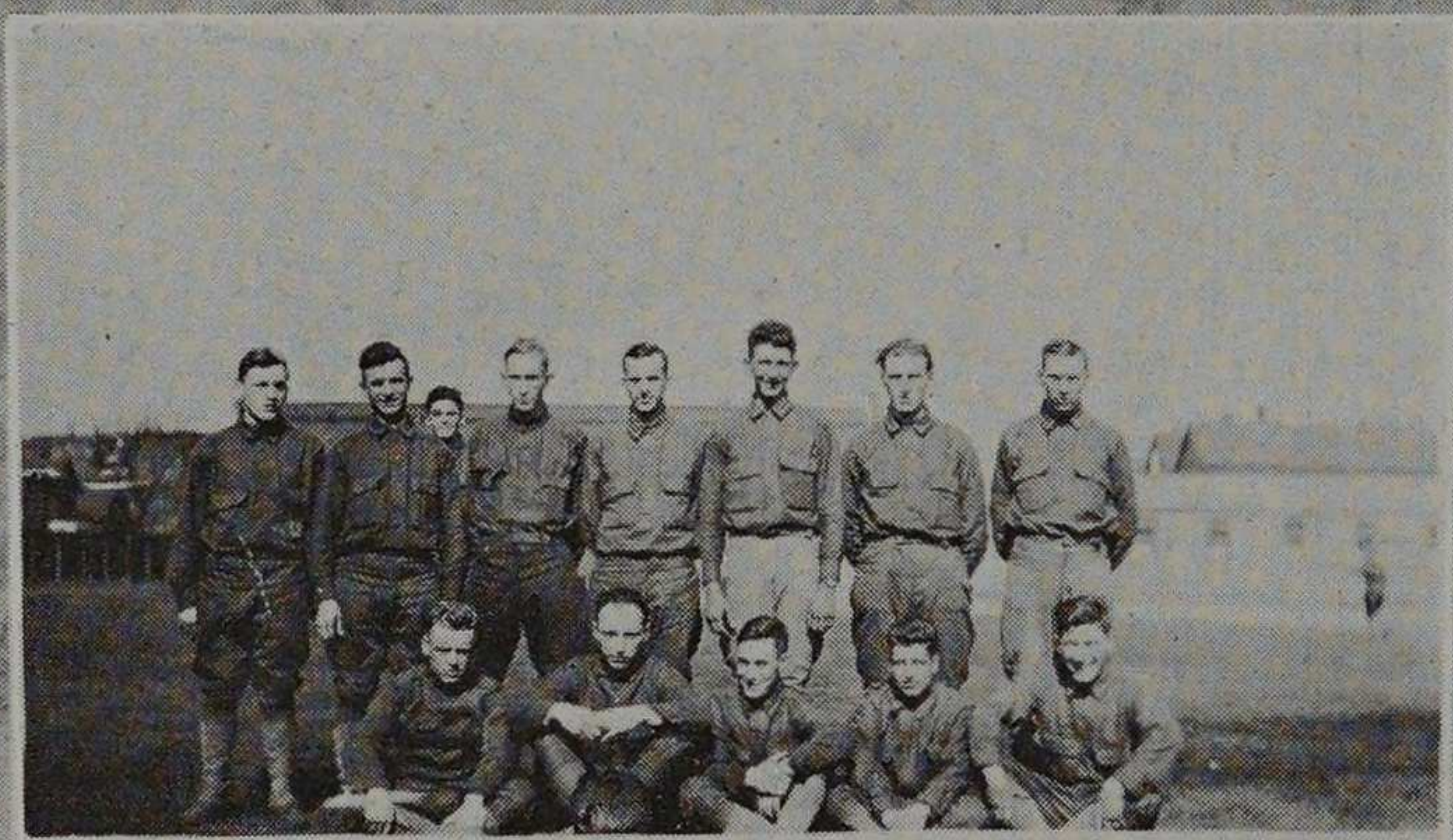
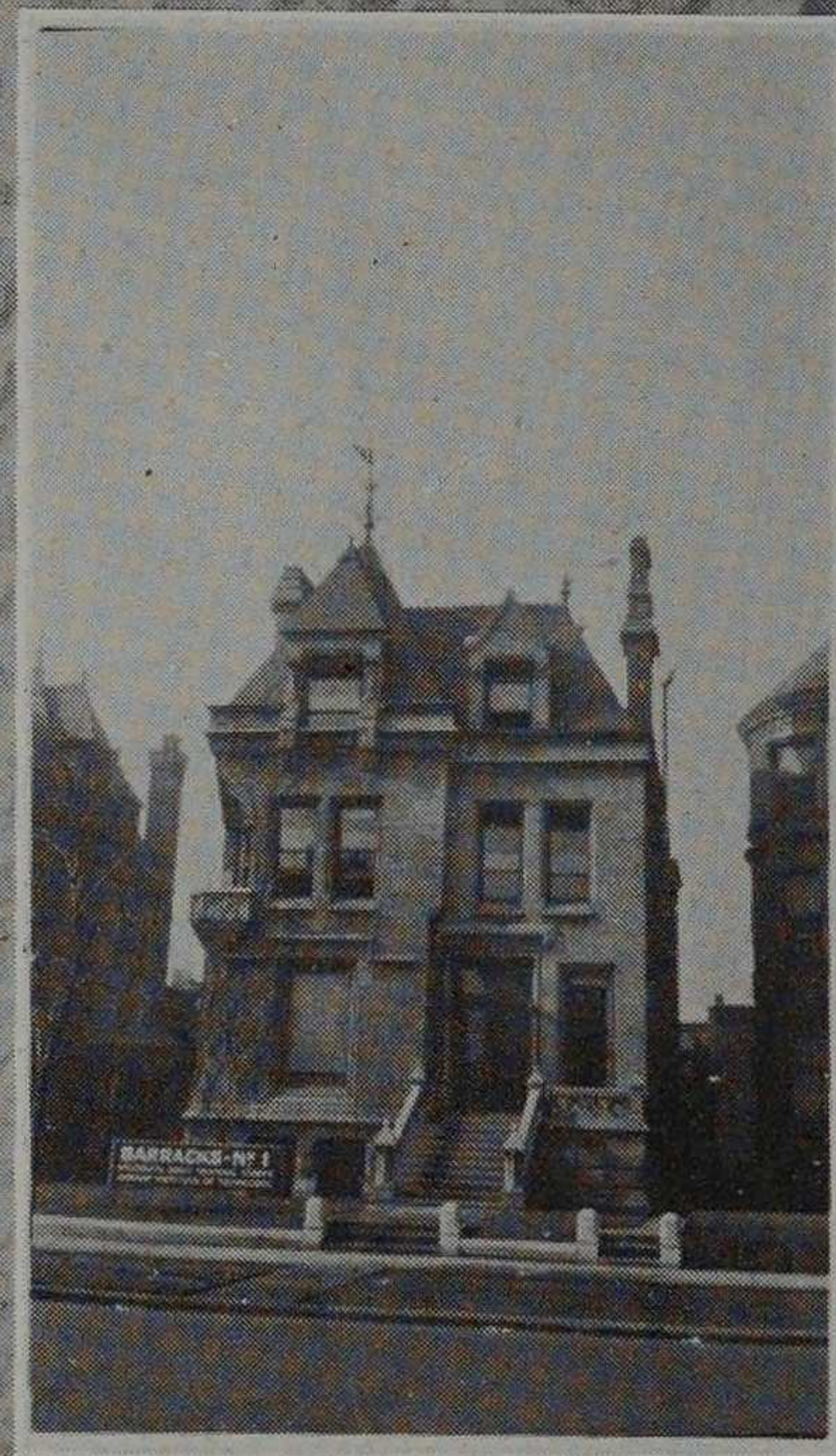
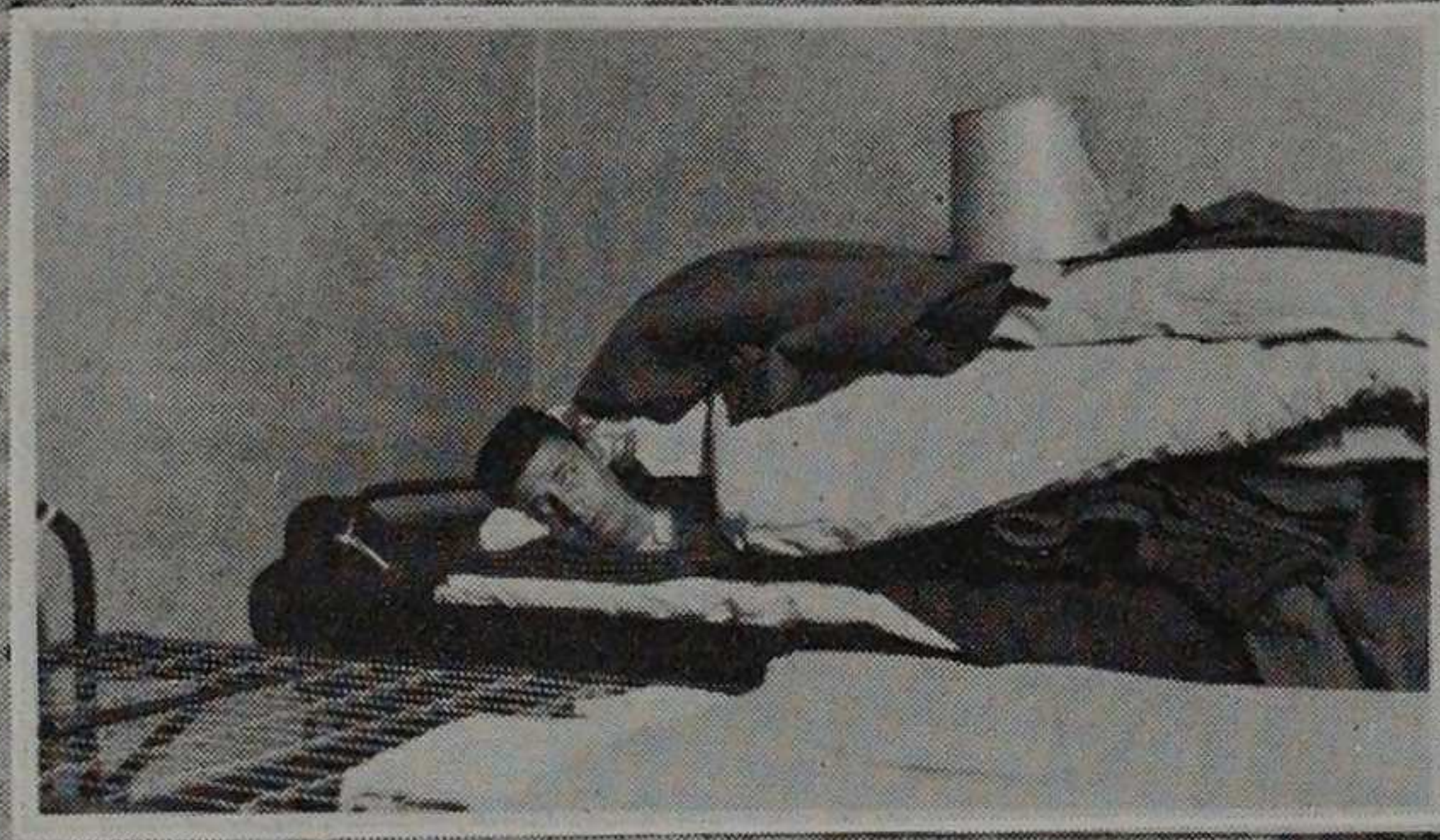
Do you remember the night that you slipped one over on the sergeant, after inspection? How quietly you folded up your bunk and stowed it away under the man next to you and by carefully avoiding the guard you "kept that date."

And you remember the funny "bird" who played the "uke" and you used to get together after supper and sing. Those were the times when you thought of home and perhaps afterward you would go to your bunk and drag out the old battle-scarred suit case and write a long letter home. Then came that first furlough. Home in the uniform and nothing to do but enjoy yourself. When you have been away for awhile you really appreciate what home is.

You will never forget those hikes and most distinct of all in my memory is the one when we started out with heavy packs and marched seventeen miles in the rain. Were we down-hearted? I'll say we were. There may have been worse mud in Flanders, but we would have sworn that America grows the peskiest burdocks and brambles in the world and the mosquitoes that arose after the rain, were as big as bumble-bees. The days we spent on the range too; those were the happy days; shoot, shoot, shoot, nothing to do but shoot, and at every bump the shoulder got sore and then some. How you flinched when you fired from the prone position and the first two went in the dirt, about ten feet ahead of you. Its great sport if you can use your imagination to change the targets into Hienies.

And did you contract that popular disease, known as the "flu?" Sitting around a cot in the hospital recuperating on "poker" and "black jack" with matches selling for a nickel a throw, to the tune of "That's Where My Money Goes."

Days on guard, days on the march, Sunday spent in camp because of a dirty bunk, good days, and bad days we will never forget them. *It's a great life if you don't weaken.*



The S. A. T. C. at Armour

THE object of the S. A. T. C., which was instituted at all of the leading colleges in the United States on October 1, 1918, was to give students intensive military and mental training in order to produce material for future officers. A certain percentage of students was sent to officers training camps from the different colleges each month. Here they were placed in officers schools for eight weeks and received their commissions after successfully passing the course.

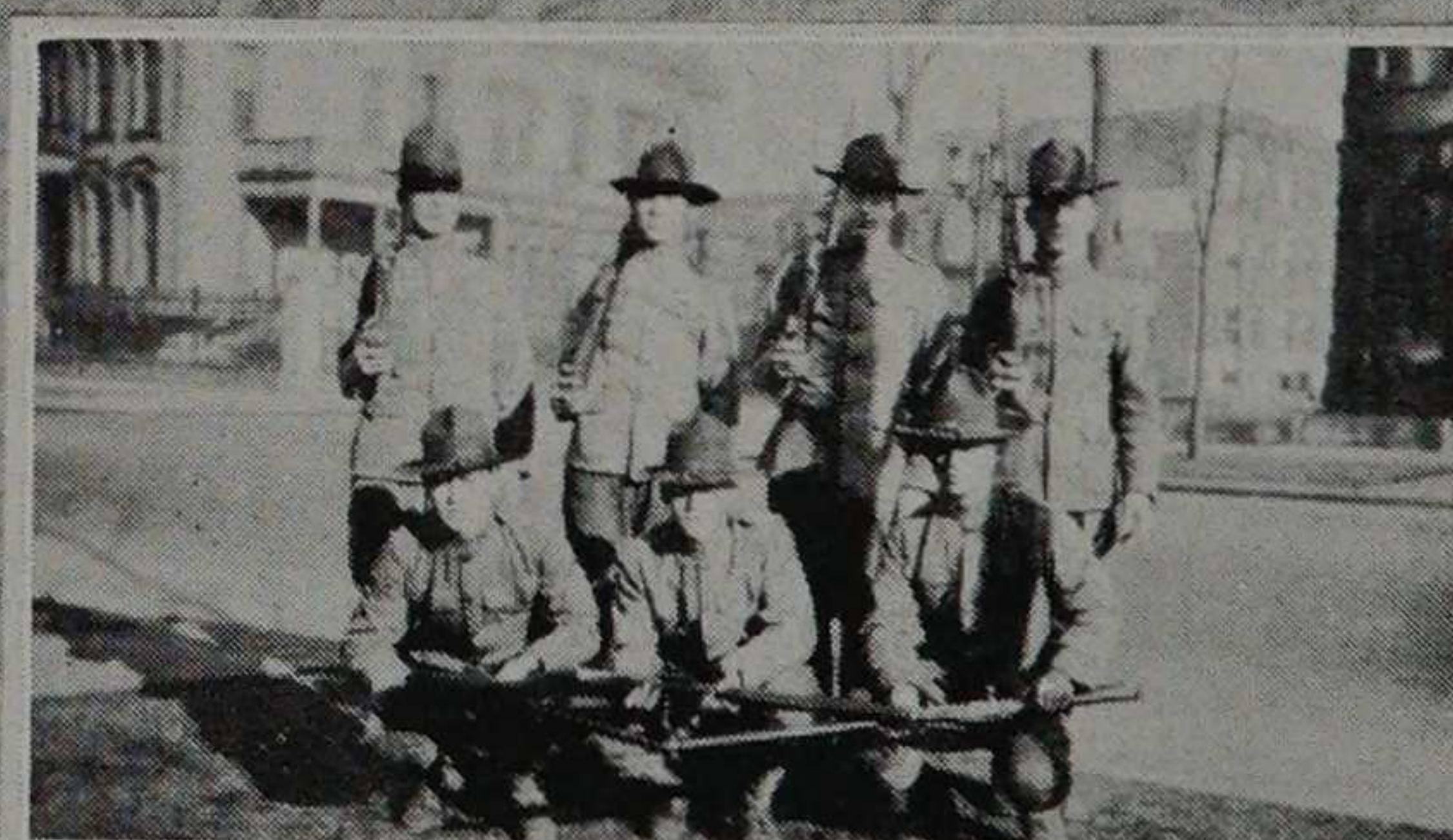
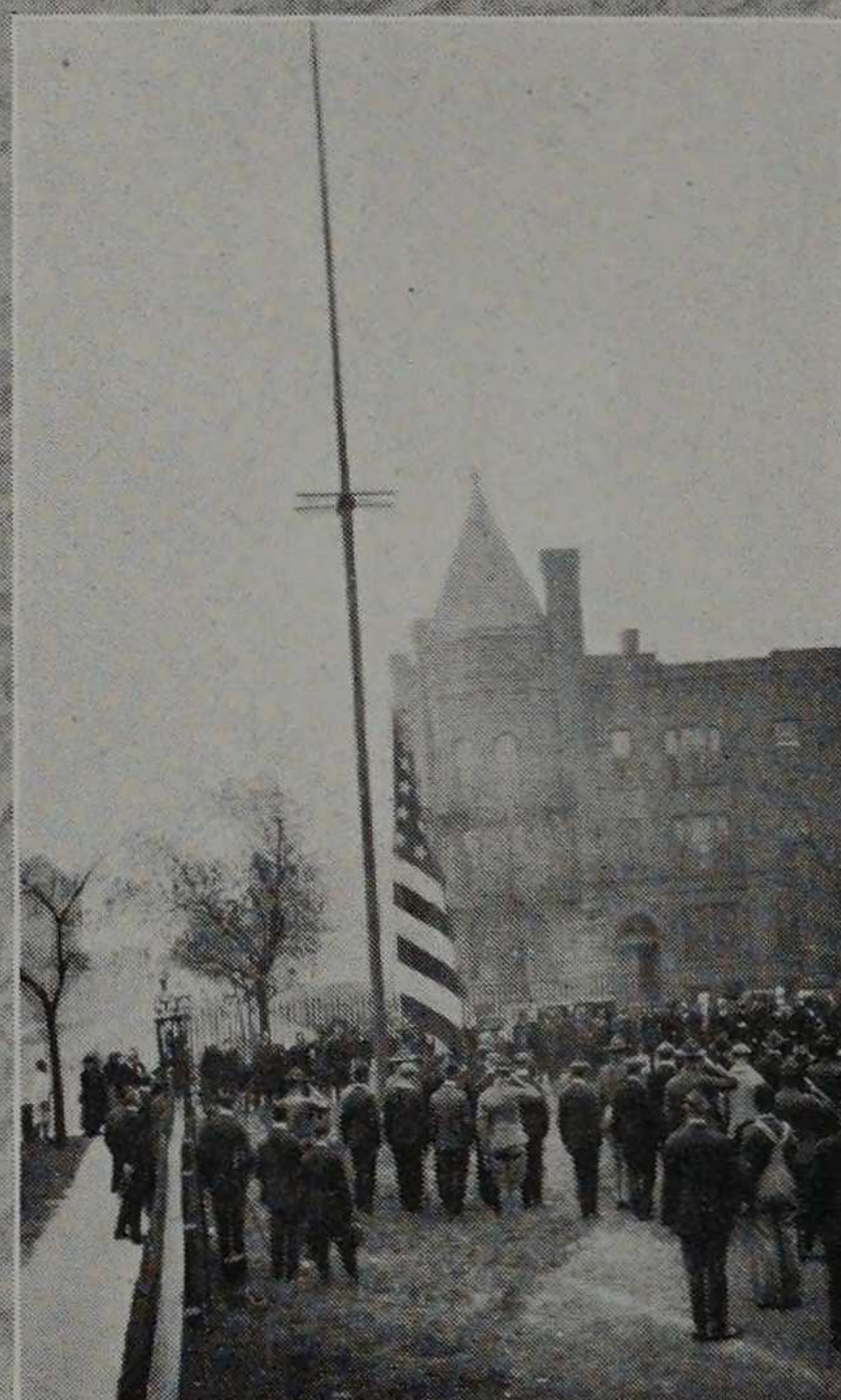
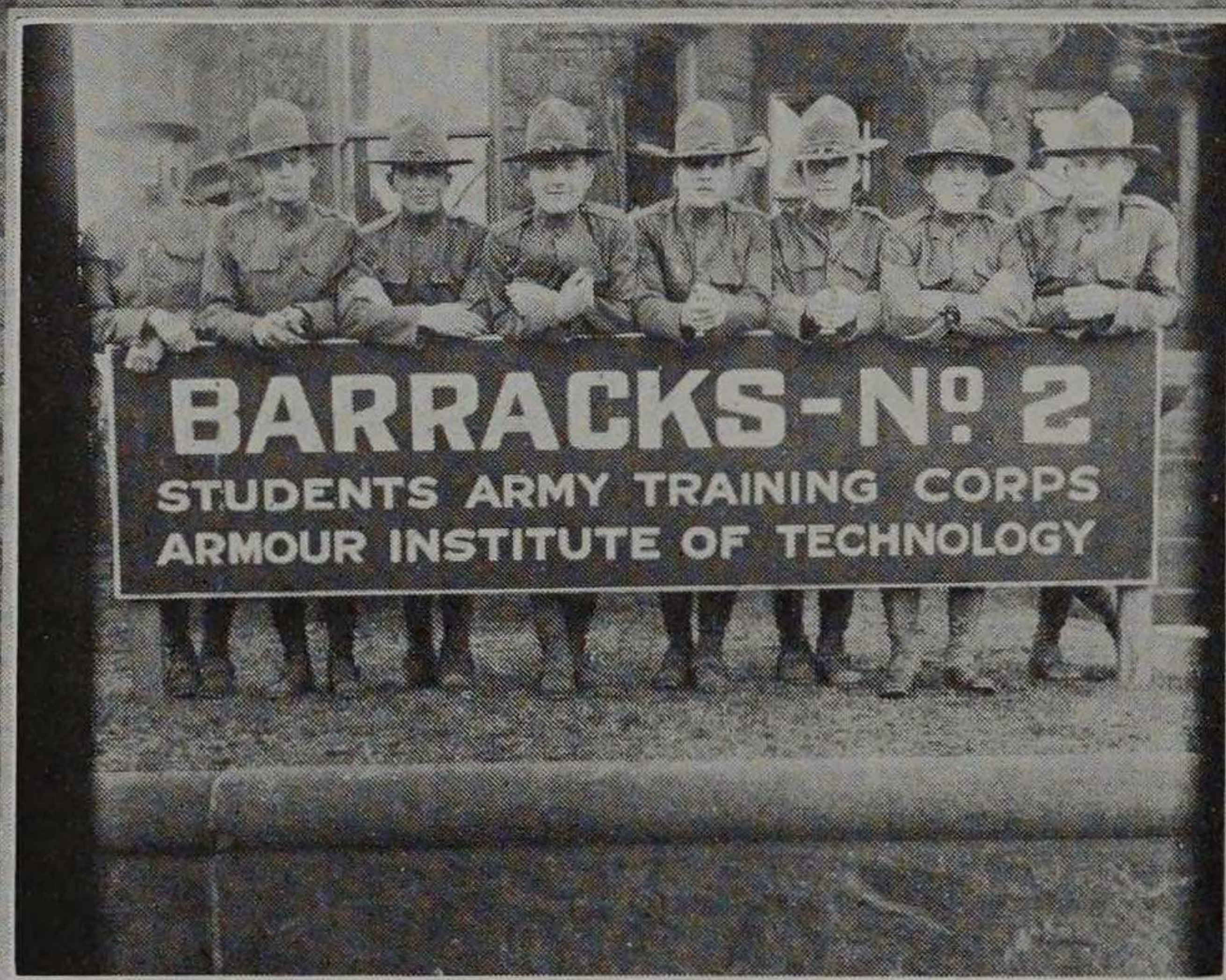
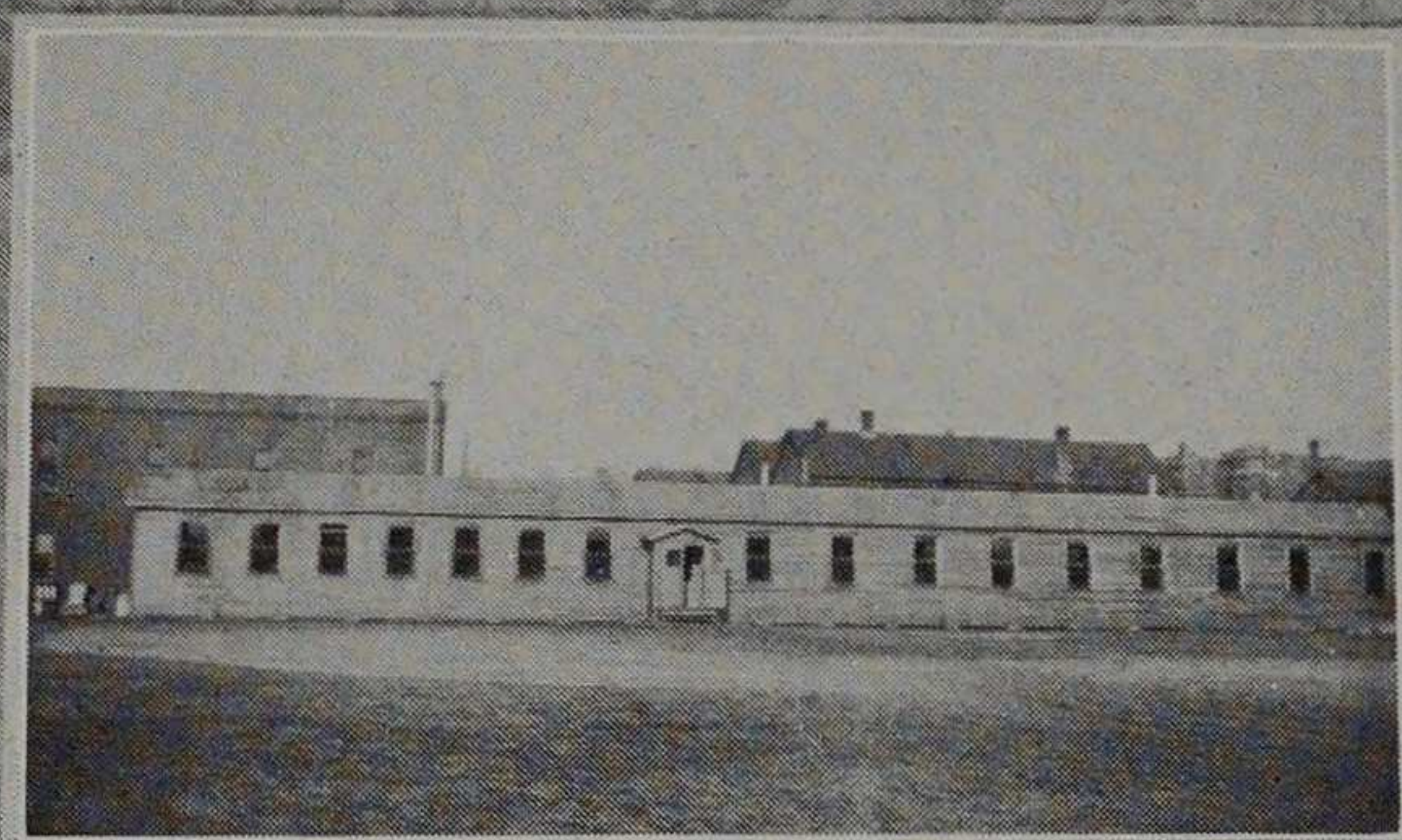
On October 1, 1918, the students were assembled in front of the flag pole in Ogden Field. An opening speech was offered by Doctor Gunsaulus after which the oath of induction was administered to the men by Capt. Kannally.

The Ft. Sheridan men, who were immediately made sergeants, were first assigned to the various houses, on Michigan Ave., which were to be used for barracks, to take charge of the rookies as they came in. The men were assigned to the different houses by the Captain, and here they were given their bunks and placed in the different squad rooms by the sergeants.

After all of the men were placed they were marched to the drill field in two companies and here each company was divided into squads with temporarily picked corporals. The companies were then given squad drill until enough material for permanent corporals was obtained.

The companies were then divided into half companies, and each half was drilled by the officers. Each sergeant was given the chance to drill the men for a short time each day. After the companies were able to execute commands properly, men from the ranks were allowed to act as instructors and from the best of these a number of new sergeants were chosen.

Each company was now divided into four platoons and each platoon placed under full charge of a sergeant. The remaining sergeants were assigned to the different platoons to act as guides. The men were given physical drill for a half hour each morning after mess and then close order drill for another half hour. They were then marched to school and dismissed. At noon they were marched to the mess hall and after this they had the liberty of the post until one o'clock. At 3:40 P. M. the companies were formed in front of the school buildings and were marched to the drill field where they were drilled until 5:00 P. M. They were then marched back to the barracks and dismissed until retreat at 5:30 P. M. At 6 o'clock the companies were again formed and marched to the mess hall for supper. After mess the men had the liberty of the post until

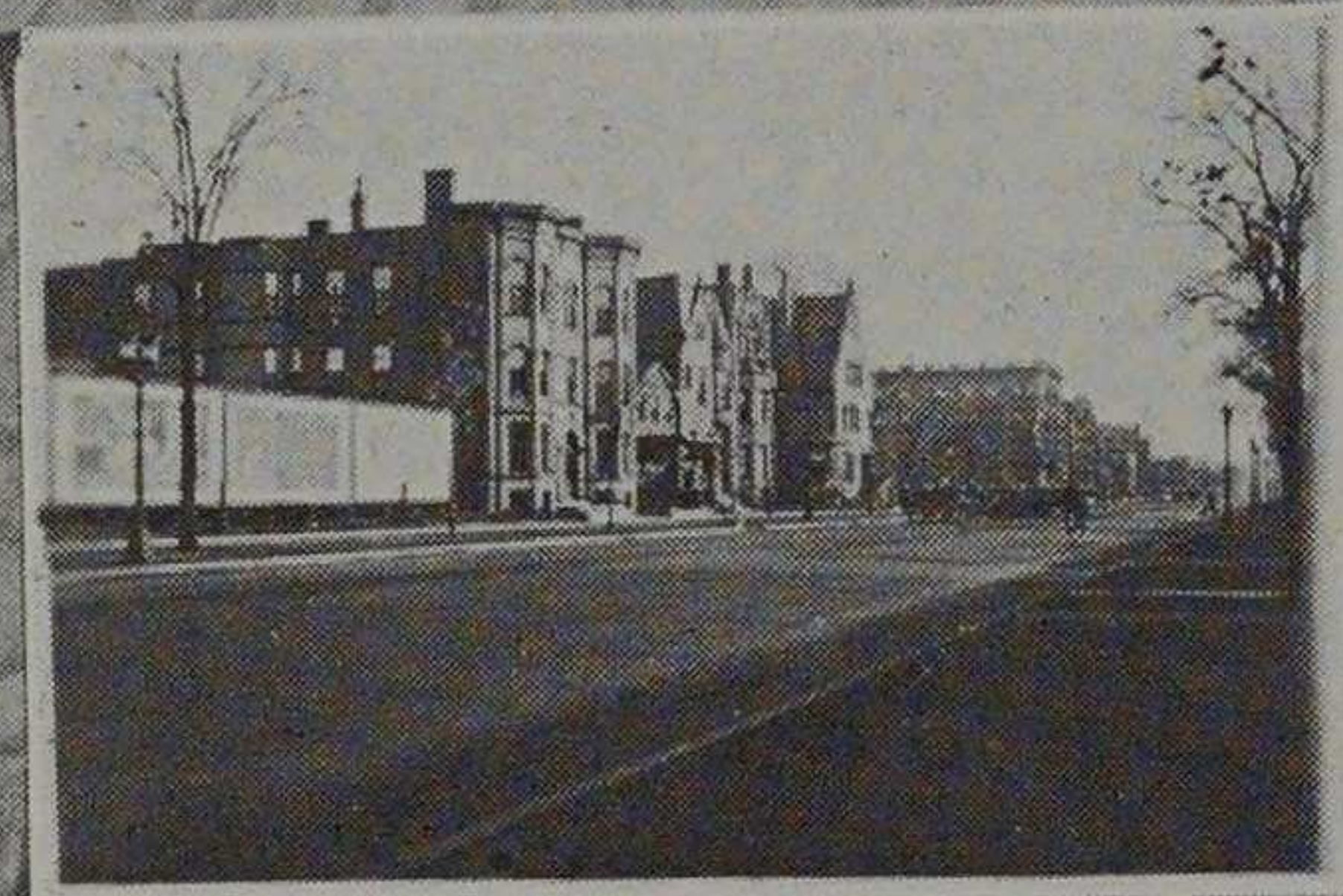


7:00 P. M. when they were marched to the study hall in the gymnasium. The study period was from 7:00 until 9:00. After 9:00 o'clock they had the liberty of the post until call to quarters at 9:30, after which every man was to be in the barracks. Taps was sounded at 10:00 after which every man was to be in his bunk and the lights out. Week end passes, from after Saturday inspection till Sunday retreat, were given each man every week provided he was not assigned to special duty.

Everyone was anxious to don a brand new uniform at once, but they were greatly disappointed because the clothing was not issued until a week after induction. What a grand sight it was to see the rookies parading up and down the avenue in their new uniforms after they had finally received them. They, themselves, were somewhat disappointed at their appearance when they viewed themselves in the large mirrors. The small men seemed to have gotten the larger sizes and vice versa. After a good deal of trading around among themselves they all finally obtained good fits. This together with a few weeks more training produced a great change in their appearance. After three weeks of detention, when they obtained their first week-end passes and had a chance to go down town to do some shopping, it was no easy matter to distinguish them from officers, when they came strolling back to the barracks after that first week-end out, with their brand new serges, wrap putts and Stetsons. Overcoats were issued before the cold weather set in and woolen O. D.'s would have been issued a short time later had it not been for the signing of the armistice.

A new, warm and well-lighted mess hall was built on the north end of Ogden Field. The first meals served there were splendid. They were so good that every time we sat down to mess we forgot that we were in the army. During the first month pie was served at each meal every day, but after that tripe began to take its place. Just picture yourself eating fried herring on Friday mornings. The Thanksgiving supper is one meal which no one who was present will forget. The mess was fit for a King. Imagine the results of trying to do justice to a meal like this after having eaten a turkey dinner at home that noon.

On armistice day everyone received a pass until retreat. A few minutes after the announcement of passes was made there was not a soul in sight. They had all flocked out to the avenue and had beaten a hasty retreat down town on the first machines that came along. Here everyone had a time of their life, and one which they will never forget. After the armistice was signed army life became monotonous. There was never a happier bunch of men as when on December 9th they issued forth from headquarters with their discharges and cold cash.



Men in Naval Training Unit

...

PETTY OFFICERS

	WILBOR, JOHN B.
LOEBL, IRVING J.	MEAD, WALTER E.
MASTERS, HOWARD W.	MEYER, MILTON H. G.

SEAMEN

ALEXANDER, JOHN E.	LEWIN, ALFRED J.
ALLEN, CHARLES W.	LYON, FRED M.
BAHLMAN, WM. J.	MCCANN, CHARLES C.
BEZARK, LEONARD J.	McLAUGHLIN, HUGH D.
CARLSON, CLARENCE I.	MAGUIRE, CHARLES C.
CEDERSTROM, STANLEY	MINTZ, CHARLES W.
CHAPMAN, WM. O.	MONBERG, H. LAWRENCE
CLUSMAN, CHARLES J.	MUESER, EUGENE B.
EIERDAM, ELMER C.	OLSON, ALDEN T.
ENGH, IRVING M.	ORTH, FREDERICK A.
ERICKSON, WM. N.	PASK, RAYMOND J.
ERNBERG, AXEL R.	PETERSON, HAROLD C.
FELDMAN, NATHAN	PFÄFFLIN, EMIL W.
FRANK, LESTER E.	PORTER, EUGENE S.
FRIEDER, ROLAND W.	RAHN, ERNEST H.
GRAY, WM. A.	REGENSBURGER, RICHARD W.
HALLBAUER, ERNEST L.	REUTER, HARRY F.
HARRINGTON, THOMAS L.	ROSENBAUM, JOSEPH
HINKLEY, FRANK C.	ROSENTHAL, ERWIN I.
HOCHREIM, FRED G.	SCHEUER, EDWARD
HULTGREN, HAROLD	UNGER, CARL
JACKSON, MAURICE M.	WENCLICK, ALVIN
JONES, LENO E.	WENNER, ALFRED T.
KAPLON, HILTON	ZELLER, CHARLES H.

The Naval-Training Unit

ON October tenth the men in the Naval-Training Unit went into barracks under orders of Captain Kannally. The house used for barracks had formerly belonged to the Delta Tau Delta fraternity. Everything had been removed, from furniture to curtain shades, and the "gobs" invaded it with a racket and noise that soon let the neighbors know that something was happening. Everyone was kept busy that day, fixing up his bunk (hammock, nautically speaking), mopping "decks," and running to the corner "store room" (that, is the drug store) to telephone the folks or otherwise.

When the time for "chow" came around, everyone was present (queer!). But who didn't relish that first meal after getting up at 5:45 A. M.? The ability to roll out at this time of the morning and not be late, was hard to acquire and some never did acquire it. After morning "chow," one hour of drill was indulged in. Then back to school until noon. After the noon "chow," school again, and at 3:40 P. M. the whistle blew for afternoon drill. Immediately after drill there was "Call to Colors" and then back to the good old "ship" to rest up before "chow." When this meal was over the men were at leisure until 7:00 o'clock when study call was sounded and they marched over to school. This lasted till 9:00 o'clock, when liberty of the "post" was granted until ten. "Taps" sounded at ten, and everyone had "rolled in."

However, the men had nothing to show that they were in the navy until their uniforms came, about two weeks later. From then on they were "gobs." What a pile of wearing apparel there was! Everything from the "flat-top" to the jack-knife. Every drawer and cupboard on the "ship" was utilized for putting away the extra new belongings such as "liberty blues," two suits of whites, socks, handkerchiefs, flat-top, sweater, watch-cap and what not. It was a "salty" crew that appeared the next morning at reveille, and a "saltier" bunch that went on liberty the following week-end. Everyone now "rated" a ride in an automobile to the loop.

When they came back on Sunday evening everyone was more contented and all had stories to tell about what they had "rated" over liberty. During the week they drilled without leggings, but the officers concluded that the drill was poor because of the wide trousers. So they were ordered to wear leggings the following morning. Goodbye solid comfort! It improved the drill, however.

On October 12th, just before going on liberty, the men received their first inoculation (shot). Two more were given, one the week after, and the other the week following the second. They not only had their medicinal benefits but they also served as an excuse for the well worn salute.

Things continued in the same routine until "peace day" came, November 11th, the day that shall never be forgotten. Both the S. A. T. C. and the Naval-Training Unit were given liberty from 9:00 A. M. until 5:00 P. M. Naturally everyone went to the loop to join in the merrymaking. About two weeks later a letter came from the Great Lakes Station, stating that those who desired a release from active duty should mail a request to the Navy Department. Everyone got busy, and on December 20th, one month later, the "gobs" said good-bye to the old "ship" and "shoved off" for civilian life. Wasn't it a grand and glorious feeling?

The majority of the men went back to continue their courses but they will never forget the days spent on the good old ship "A. I. T."

MILITARY



The Sailors Mutiny

The story of the last night on the good ship "A. I. T."

■ ■ ■

"Ding-dong, ding-dong."

The ship's bell sounded four bells of the early morning watch. The mighty sloop rode calmy at its permanent anchorage. It was the last night of its use as a vessel of the U. S. Navy. On the morrow its entire crew of 54 hard-boiled "jack-tars" were to pass into the hum-drum realms of civilian life, and the ship itself would become just a prosaic brown stone house.

Mystery pervaded the atmosphere. The old guard, being relieved, wended his way back to his "hammock" for his last night's rest on the ship. The new guard, reeking with mysteriousness, softly made his way to various bunks. He awoke the slumbering occupants thereof with a hissed "Hit the deck, get on your pants, sweater, and watch cap, and go to the aft cabin on the main deck to await orders." The awakened seaman would follow instructions, and some even carried pieces of rope or gunnysack.

By the time five bells had struck there was a fierce looking band of desperadoes awaiting orders in the aft cabin of the main deck. The leader then arose and handed a black mask to every man. He then said, "Well, mates, you know what we are gathered here for. We must purge our petty officers of their sins before they get back to civilian life. To do this we will put them under the cold shower and give them a good rub-down with a ki-yi brush. If you are all with me, we will divide up and start the dirty work."

Everything was in readiness for this horrible mutiny. There was an awful uncanny feeling in the air. Hark! What was that? Who piped up? "What if this fails, and all you birds, instead of going home tomorrow, go to the brig for six months on bread and water, under the care of the terrible Pete Johnson?" Whereupon the unexpected happened. The thoughts of this horrible punishment and dreams of home, mother, and sweethearts dear came to these revengeful "gobs" and tears unbidden flowed. Their resolutions for revenge were gradually fading away, and the thoughts of what might be the consequence gave them all a clear case of cold feet.

However, with many misgivings and little enthusiasm, the expedition "shoved off" for the petty officer's cabin. When they arrived there, only two of the gobs were brave enough to go into the cabin, wherein the five dauntless petty officers were slumbering peacefully and were probably dreaming of what they would do when they were out of "this man's navy." One of them happened to awake, and with his voice choking with terror, faintly whispered, "Guard, turn on the lights." This awoke the other men and two of them leaped from their bunks and huddled over in a corner to await the action of the equally scared mutineers, while another buried his head under the blankets. (One of the mutineers, after the fracas was over, even claimed that he heard this man praying in a tremulous voice.) The last man fought and fought hard. He was hopelessly outnumbered and was dragged from his quarters through the companionway to the aft cabin of the main deck.

By this time the gradually cooling pedal extremities of the other "jacks" had dropped about 200 or 300 degrees Fahrenheit, and instead of "carrying on" they followed the captured petty officer and his captors to the aft cabin of the main deck. In the meanwhile one of the petty officers made his way to the door and nervously locked it.

Soon the whole ship's company was awake and about three-quarters of the once bold mutineers sneaked back to the safety of their bunks. The other quarter did not wish to carry on the job with so few men, so the mutiny ended a dismal failure and the fearless petty officers regained their dignity and thanked the stars for their delivery. Thus the affair which had been planned with minute care went up in smoke and the bold pirates and the commanding crew retreated to their bunks. They thanked heaven that the night was over and that they would soon be back again with nothing before them but a little school work, etc. In after years, no doubt, some of these brave, bold mutineers with their grandchildren on their knees will tell of their courage on their last night on the good ship "A. I. T." and what they would have done if the war had only "lasted" longer.

A MUTINEER.

The Letters of a Dry Land Sailor

DEAR JOHN:

November 10, 1918.

That little shrimp army loot was drilling our platoon today and he was sure laying the drill on good and thick. I wish I would be shipped to Hong Kong, Timbuctoo, or any old place. We sure have our hands full with these want-to-be hard-boiled petty officers and these misfit S. A. T. C. sergeants. It's a good thing the pros know what we are up against and treat us like humans.

Then after the beastly drill we marched over to the mess hall and guess what we got? **TRIPE!** That makes twice in one week. From the meat they feed us here I am beginning to think that all there is to a cow is liver, kidneys, hearts, lungs, brains, and **TRIPE.** We can stand the other stuff once in a blue moon, but there is no soap at all with tripe. As long as they have bread and water we can live, I suppose.

This is some life. If we don't ship out of here "muy pronto" as the old hot tamale Mexicans would say, I hope that Kaiser Bill cashes in and calls it quits. This false report about peace sort of stirred things up about town, eh?

Well it's about time for that bugler of ours to sound off taps. I will write soon again.
BILL.

DEAR JOHN:

November 11, 1918.

I guess you must have been pretty excited at this real peace stuff. We had a wild day out here.

This morning after drill we were all up in the "Y" and everyone was about as sore as a cub bear with a persistent flea behind its ear. We all wanted to get down town and see the big doings. The only way to do this was to jump ship, and none of us were game enough to do that. We all had pet raspberries, when about nine o'clock we were ordered to fall in. We marched to headquarters and were told that we had liberty until retreat at five o'clock that afternoon. Maybe you think we didn't feel pretty spiffy then? My bunkies and I hit the high spots to the city, and we sure cut a mean figure when we got there. We were about the only "jack tars" in the loop and we were lionized something ferocious by the wild women. Well, we pushed and shoved along Boul. Mich. all day and got back to stand at attention while the buglers tried to see how close they could come to playing "Retreat" and "Call to Colors" without a discord. Those buglers come close to doing that very trick about once a week, and the rest of the time not even the man who wrote those calls could recognize them.

We have to study as usual tonight. Some of the fellows are going to jump ship and go down to the loop, but I guess I needs must have a "shuteye" tonight as that gallavantiing around has made me as tired as a fiddler's cur.

I got your note today. Remember me to the old bunch and tell them I guess I will be with them soon again.
Till then, so long.
BILL.

DEAR JOHN:

November 12, 1918.

Maybe you think this bird ain't tired but, by golly, I never was so dished as I am today. Remember yesterday I wrote you that I was not going out last night? Well, last night after the petty officer in charge of quarters had made his rounds, two of my bunkmates jumped out and dressed. After much persuasion they finally got the other three fellows in my room to go out with them.

One of them had an automobile and we all jumped in and went down to the loop. Five other men from various rooms were in the party, making a total of ten gobs. We hit all the gay spots on the south side and in our travels we picked up an intoxicated sailor who was on the street. He was from Camp Perry at Great Lakes and he sure had a mean line of talk. We left him off at the Northwestern depot down town and at two-fifty A. M. we all went in to Childs' for some wheat cakes. As we knew the guard who was on watch from two to four A. M., we hustled back to the old ship and got under the covers with all our clothes on at 3:45 A. M.

In what seemed like ten minutes that bloomin' bugler blew first call, but we did not get up until reveille blew. Of all the sick looking bunches of recruits, that Naval bunch sure took the prize that morning. Everybody that had been out the night before was as "droopy" as could be. However, we managed to drag through the drill and put in three hours of sleep till noon chow.

After noon chow I met one of the petty officers. He asked me whether I had jumped ship the night before as I had my name on the Captain's desk and that I was slated to serve a term in the brig.

I laughed at first, but then it seemed true, because, how would this P. O. know we went off ship when all the fellows were sworn to secrecy? The rest will have to go if I do, so that is some consolation. My only hope is that this P. O. is kidding me; because that brig is an awful place. They got a fellow in charge up there by the name of Pete Johnson, and he is a real tough bird.

I feel pretty blue. I didn't want to go on that trip last night in the first place, but I'll have to take the consequences now and those other birds are in the same boat as I am. I was going to talk to the captain about it but one of the P. O.'s told me not to as maybe they will forget about it.

Everybody is so awful sympathetic around the barracks. It's just before taps now and one of the P. O.'s came in to tell me to have all my stuff packed in my seabag in the morning so as to be ready to go to headquarters with him. I guess they mean real business. Looks like I will be sent to the Lakes for a summary court-martial. Not much sleep for this bird tonight.

My next letter will probably be from the brig. Keep this under your belt, John, because if I go up there I'll pretend as though I was sent up to some school at the Lakes, sabe? Mum's the word. BILL.

DEAR JOHN:

November 13, 1918.

That whole thing was a put-up job. Can you beat that? One of the guys that was out with us that peace night told one of the P. O.'s, and he framed the whole works.

Just as I was packing my seabag this A. M. he came in and started to snicker. I says, "What's the big joke?" He said I was, and then pulled this stuff about the big frame-up.

Believe me, John, even if it was a joke, I sure felt relieved.

At ease at last.

BILL.

P. S. We filed requests for release from active duty today, so I guess in about a month or so I will be out painting the town again.

A PAGE OR TWO FROM HISTORY





VEREMIS	JOSLYN	ERICKSON	R. STREHLOW	THOMPSON	COWLES
ANDERSON	ANNING	STEINBERG		A. STREHLOW	DADY

A Word of Appreciation

WE have often wondered if the men who were in the Armour Institute Students' Army Training Corps and the Naval Training Unit ever stopped to realize what a task it was to start this movement and bring it to a successful finish. When school began in September, did we know anything about the S. A. T. C.? Did we know where we were going to sleep and eat, or how our daily schedule was to be arranged? It was the members of the Executive Council of the Institute who did the work.

What a task it must have been for the Comptroller, Mr. F. U. Smith, to arrange for the housing of some four hundred and fifty men, and see that the Mess Hall was ready when the men in the Training Corps came for their first meal. Although the worries of Mr. Smith must have been many, he always greeted us with a smile whenever we met him.

The schedule of the subjects to be taken by the men was altogether different than we had before. We had a hazy idea of what these subjects were to be but no one knew definitely, not even the Deans. We can readily see that it was no small undertaking to attempt to make a schedule of classes and studies that would fulfill the Government's requirements and at the same time be convenient with conditions in and around school. When October the first came, the men were inducted, and Dean Raymond was there, bright and early, ready to enroll the men in their classes.

Classes started the next day, and as time went on we began to realize more and more, what a relief it was to come into Dean Monin's class in War Issues, where we could put aside all troubles and worries and listen to him tell of the issues that led up to the war; better still, some of the exceedingly interesting facts of diplomatic warfare and what a big part it played. It was a subject new to everyone. In fact, so new that the subject of its foundation was still "boiling over" from the heat of war. All of the material that Dean Monin used he was forced to obtain from current publications, which was no easy task, to say the least.

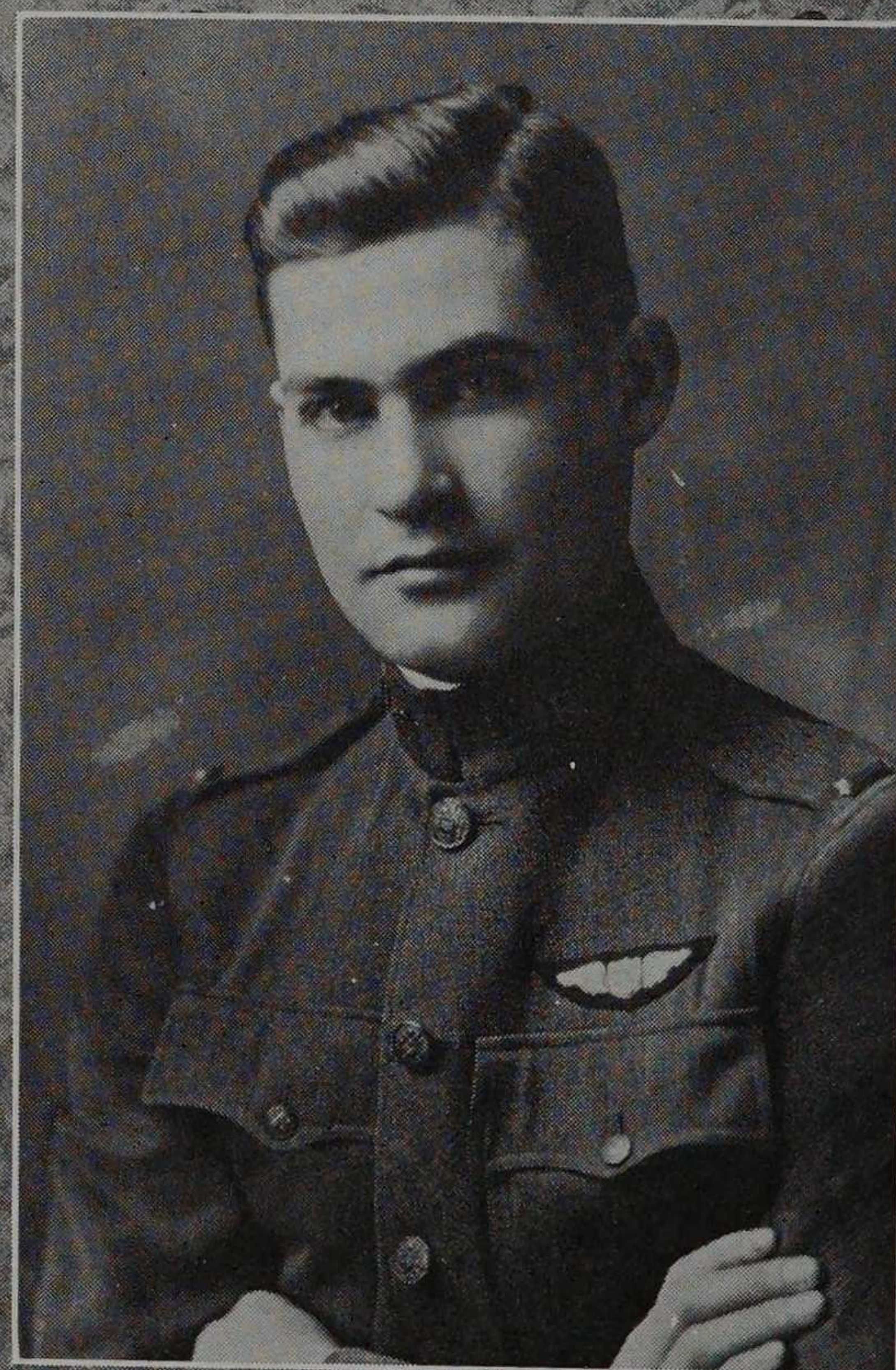
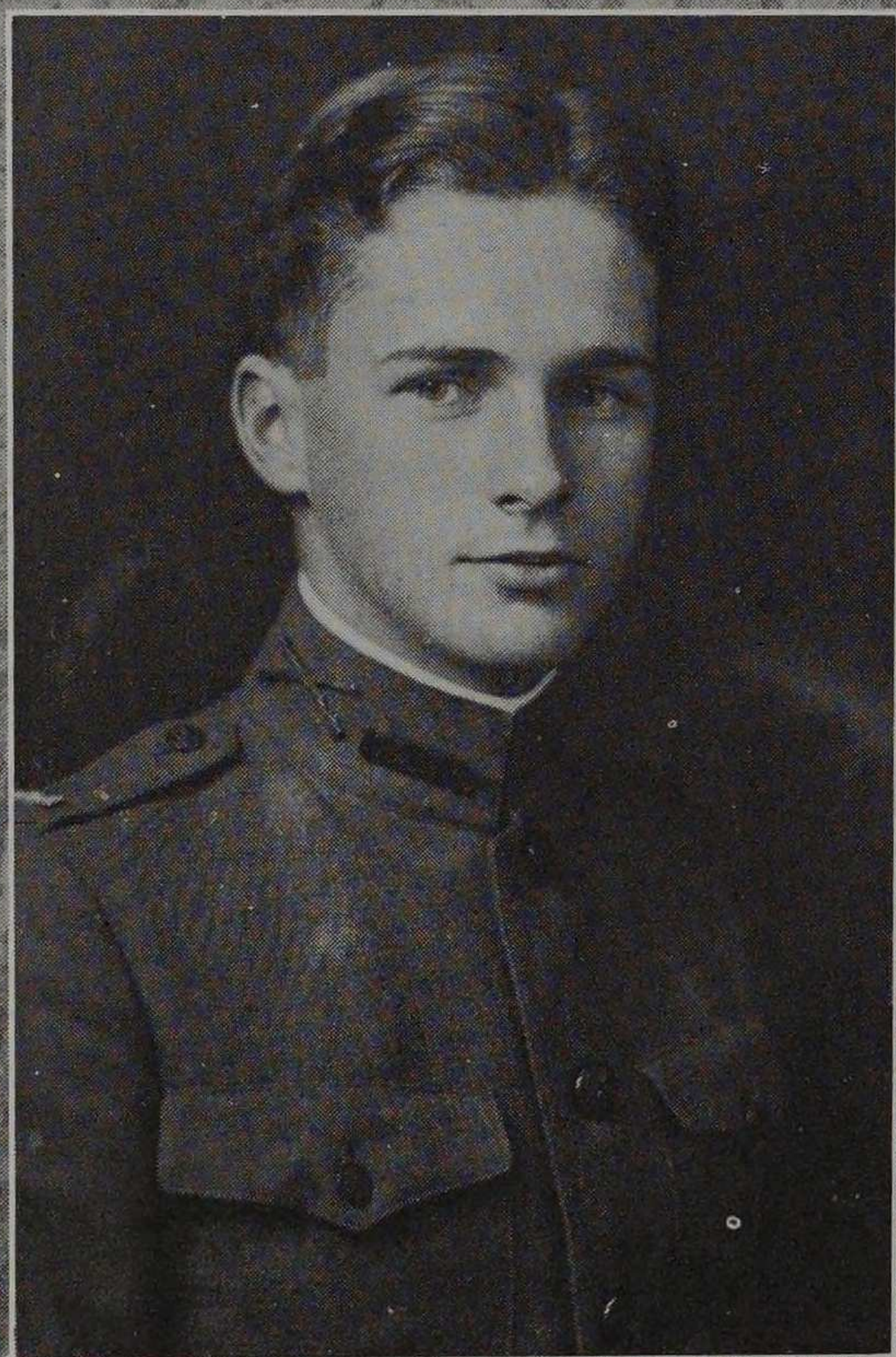
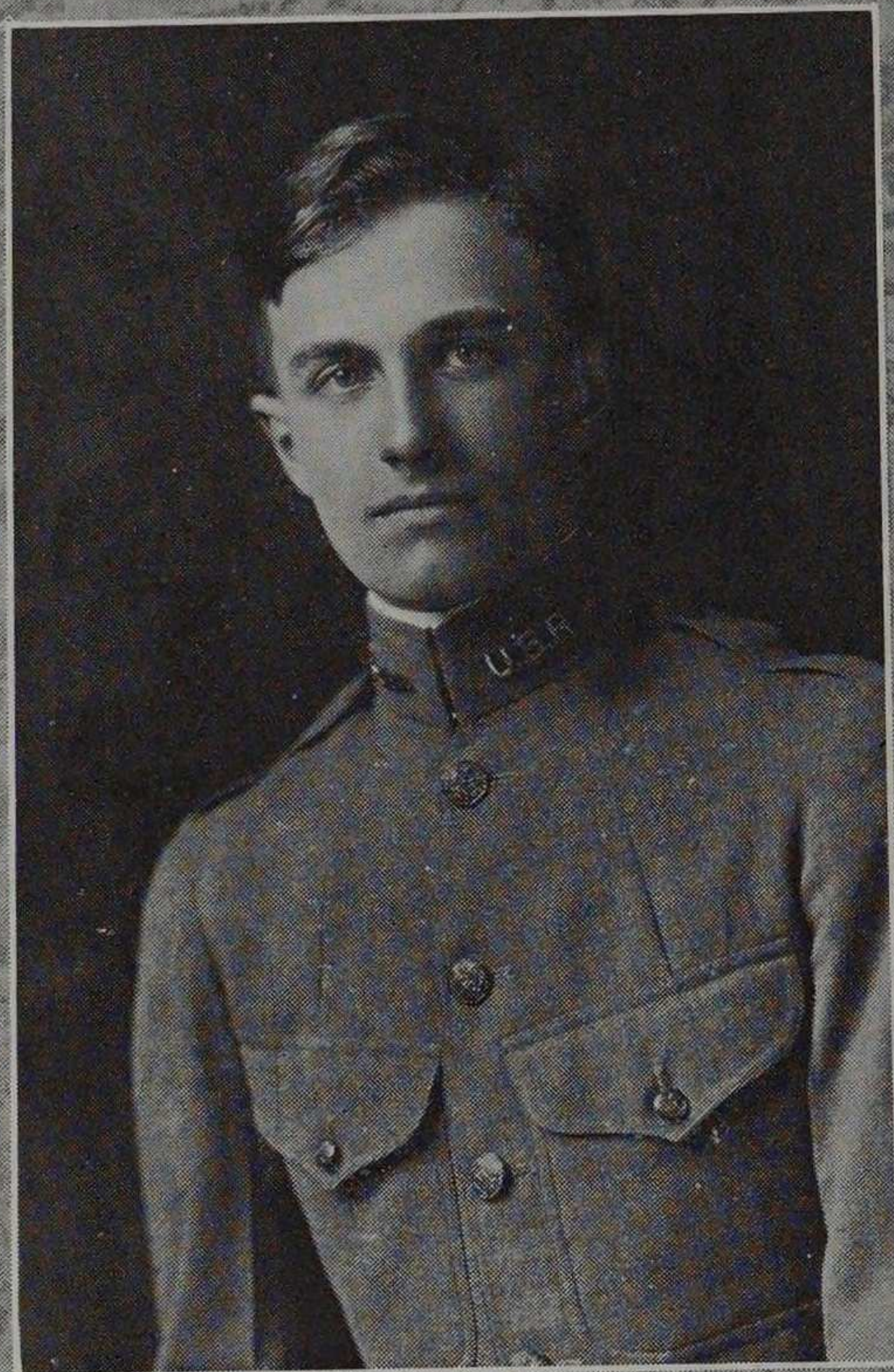
We must not forget the Registrar, Mr. Allison, to whom credit is due for the part he played in helping to make everything a success.

It is to these men that we, the S. A. T. C. and the Naval Training Unit combined, wish to extend our thanks and appreciation for the work they so successfully accomplished and without whose help the movement at Armour would have been a dismal failure.

To the Reader

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I N looking over the following pages, we hope that the reader will realize that this list of commissioned Armour men is by no means complete, in any sense of the word. We attempted to get in touch with everyone possible but many of the men are still in service, either in this country or overseas, and others had no photos available.

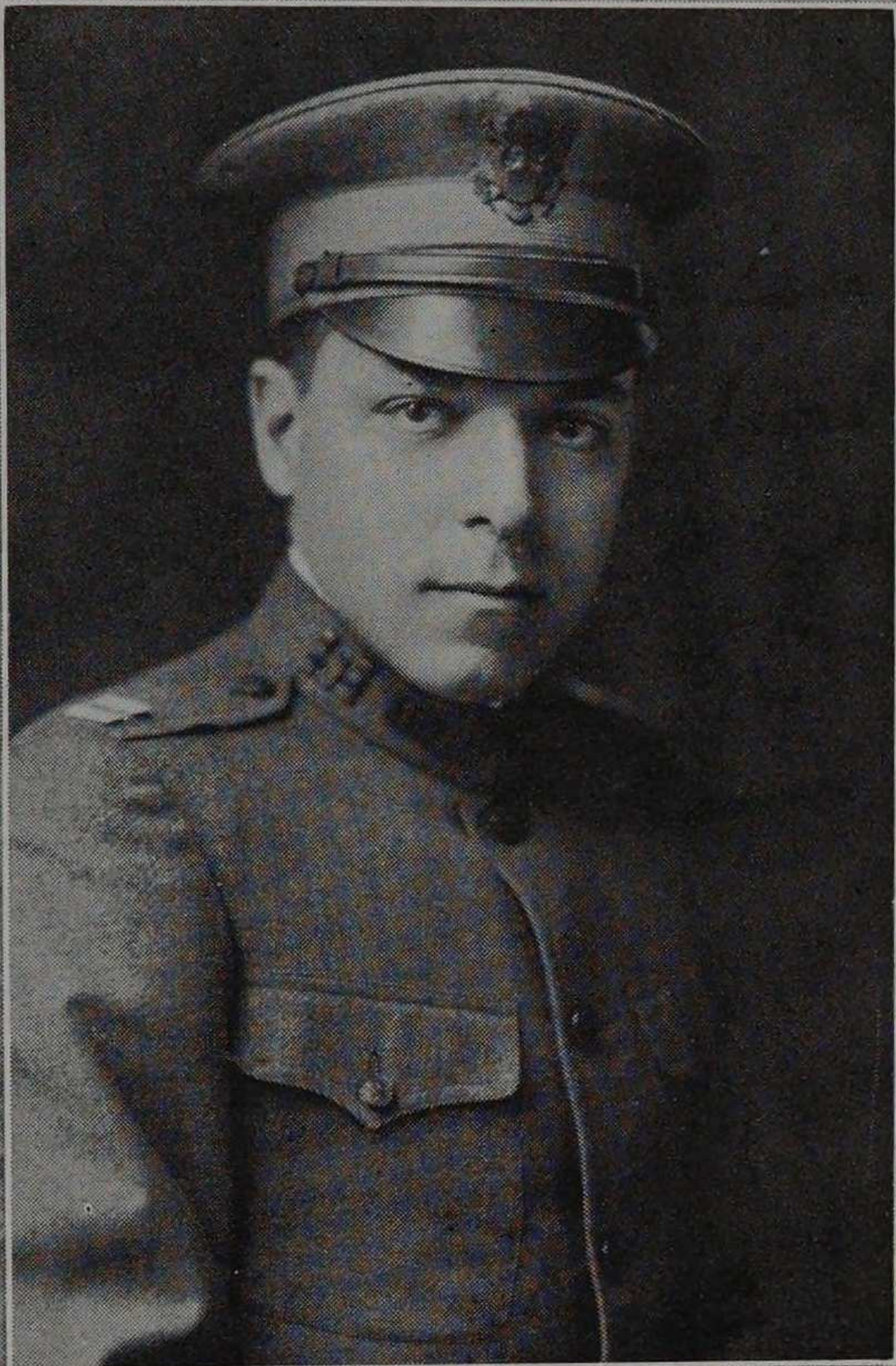


CAPT. C. L. BOLTE, '17
Infantry

CAPT. W. M. BREADY, '15
Engineers

CAPT. K. A. MCGREW, '17
Infantry

CAPT. BRETTING
Aviation

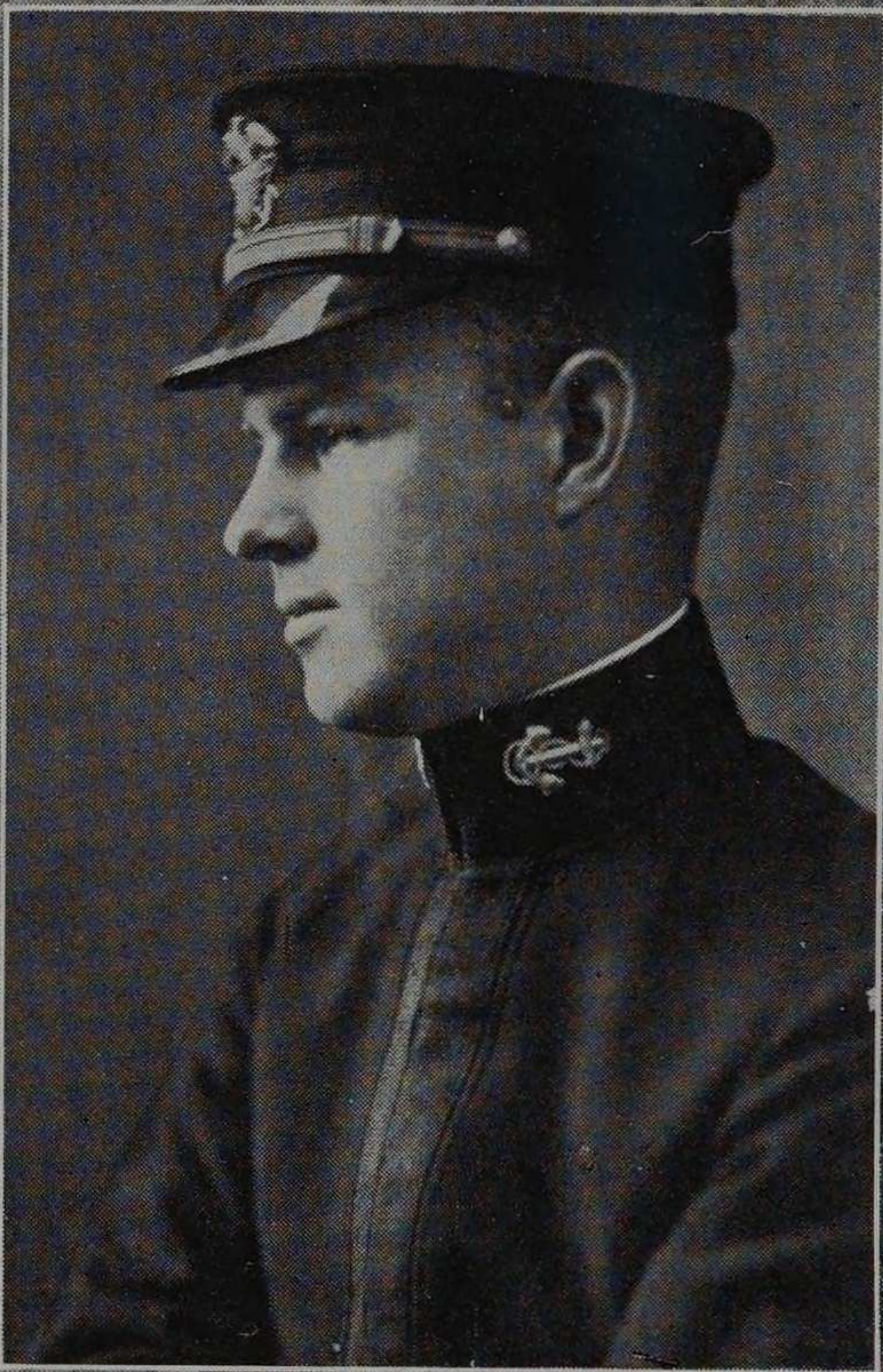


CAPT. W. S. TAUSSIG, '03
Engineers

CAPT. C. F. WRIGHT, '16
Engineers



CAPT. B. B. FRENCH
Chem. Warfare



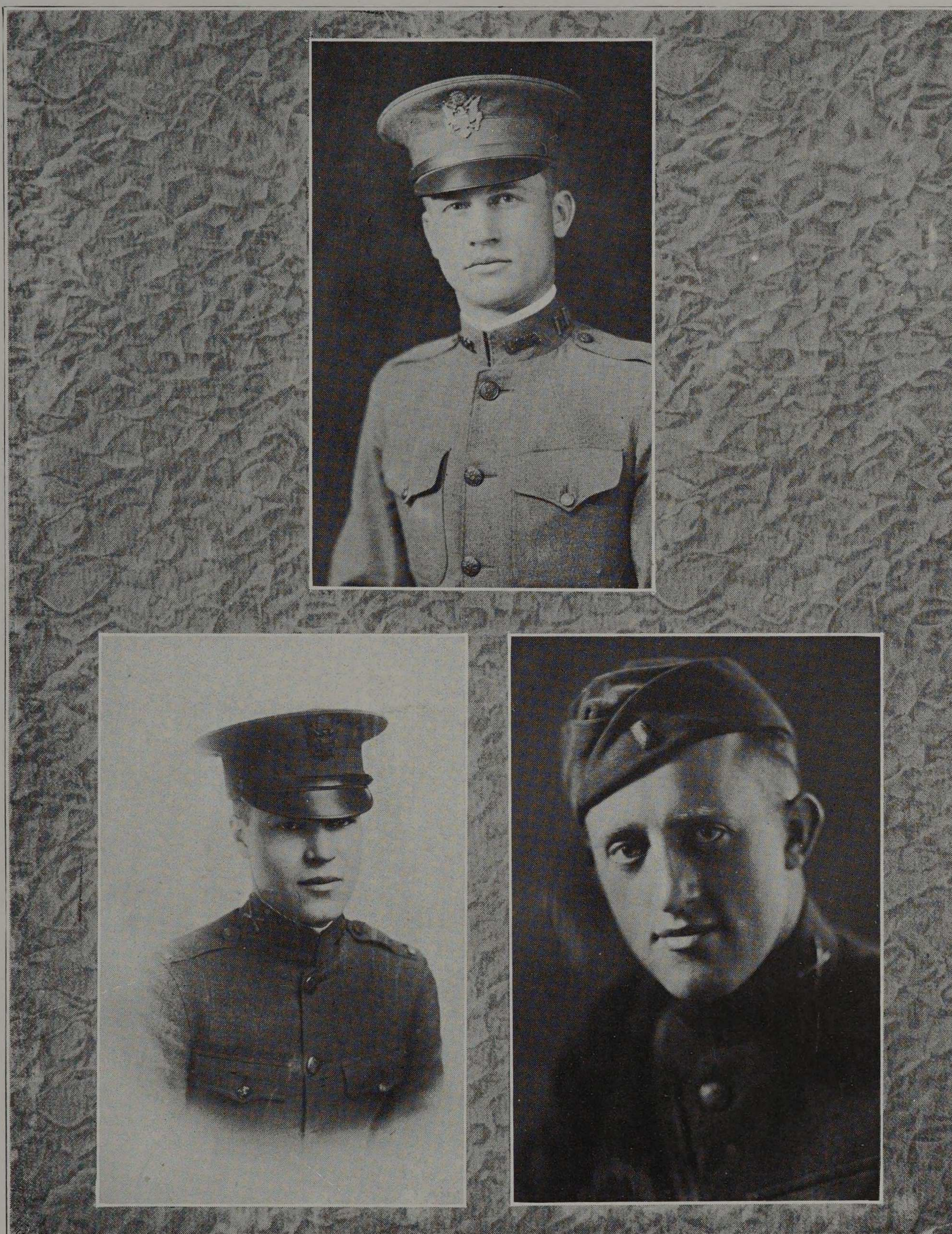
ENSIGN H. W. PUSCHEL, '18

ENSIGN H. D. STEVERS, '19

ENSIGN G. W. STEGE, '21

ENSIGN R. W. BOOS, '20

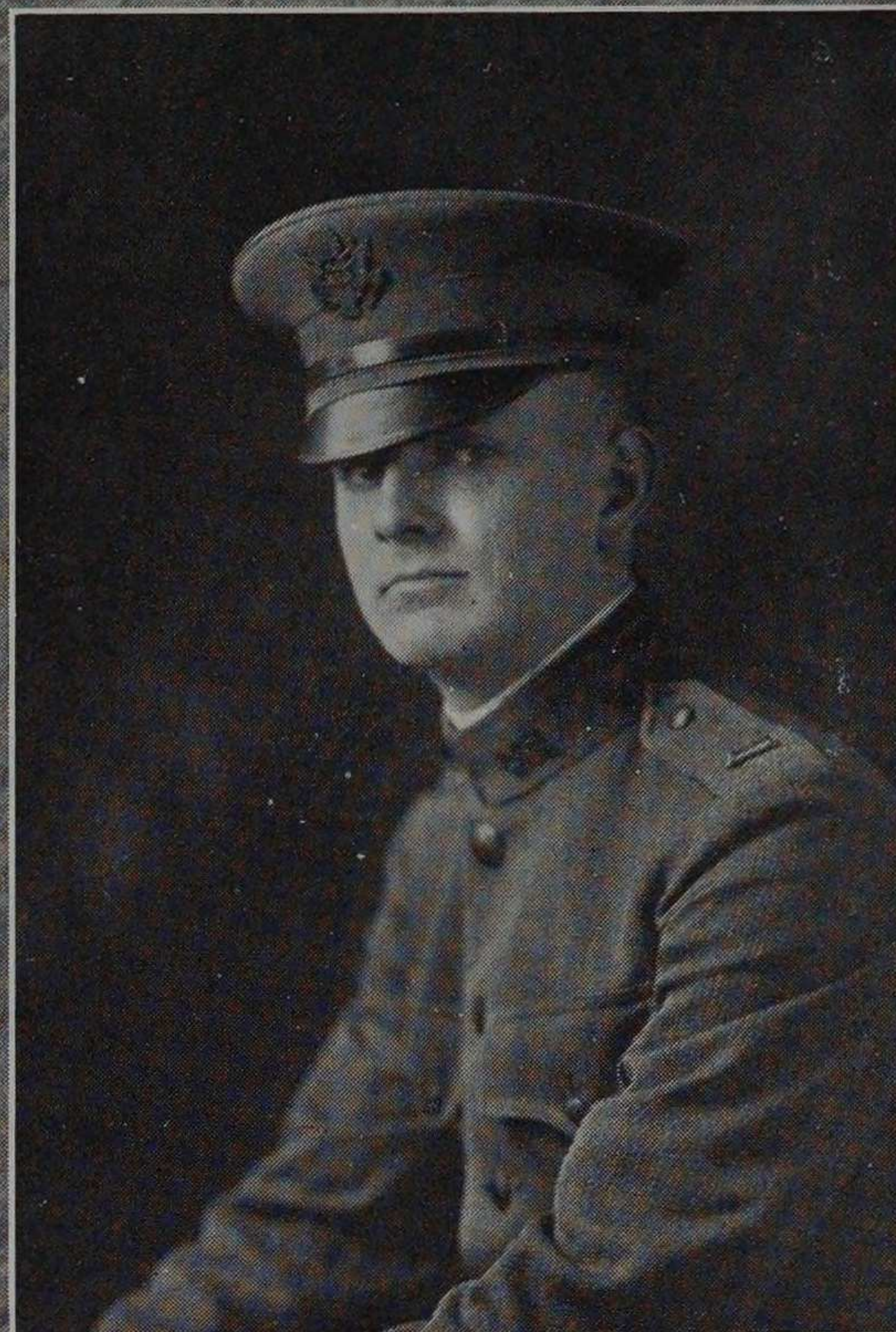
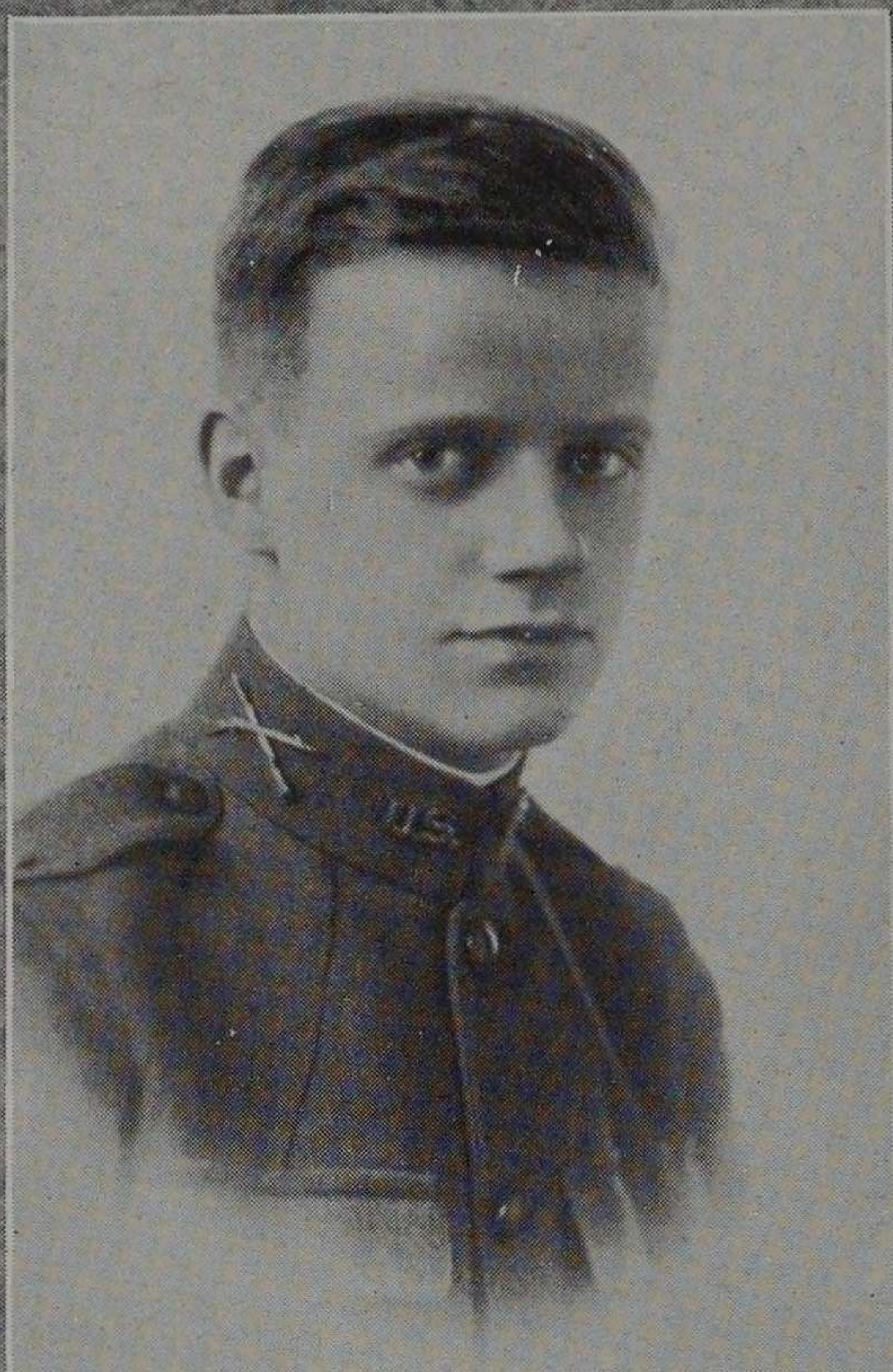
MILITARY



LIEUT. C. A. KNUEPFER, '15
Engineers

LIEUT. H. ANDERSON, '19
Artillery

LIEUT. H. E. ANNING, '16
Artillery



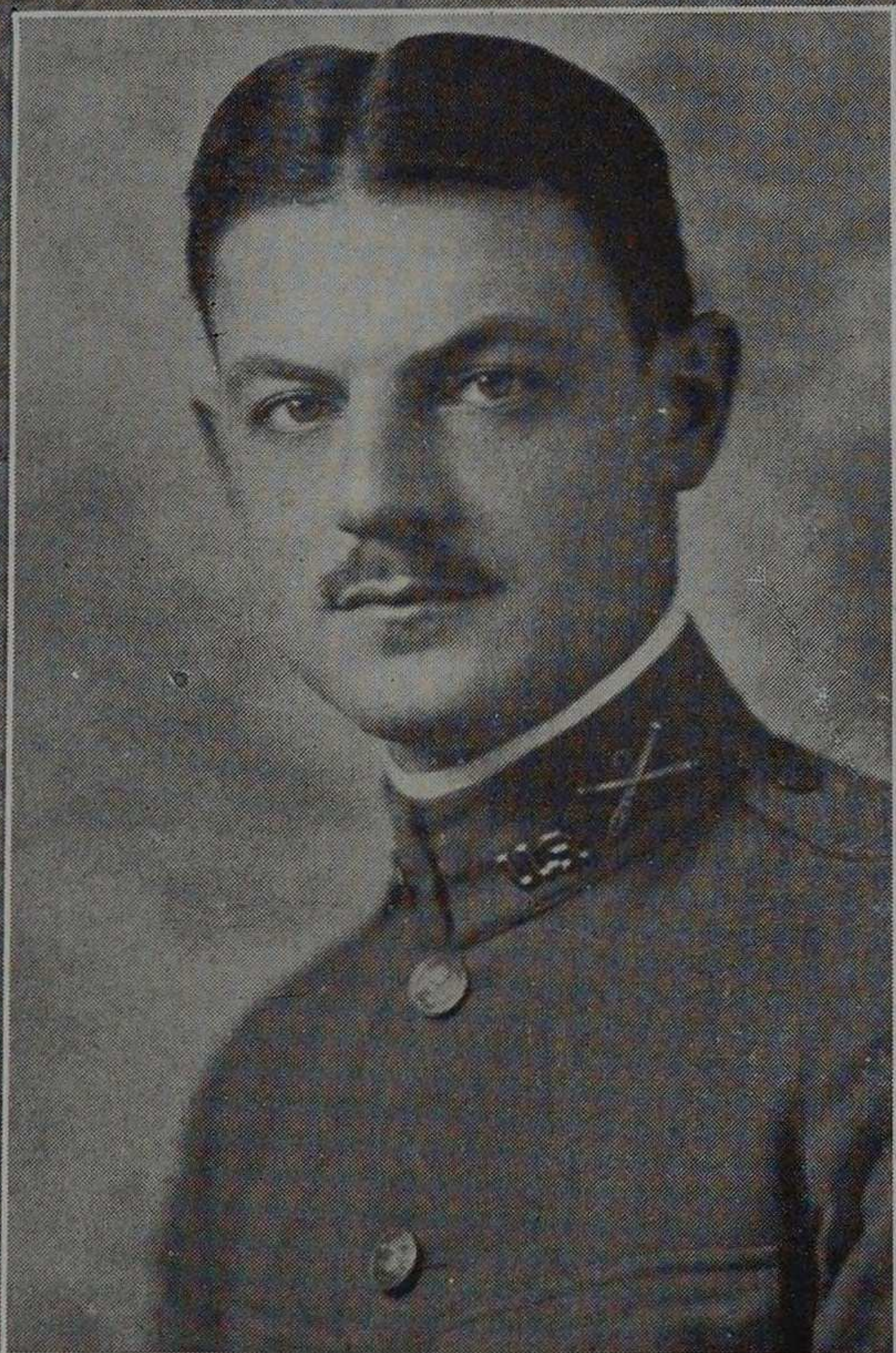
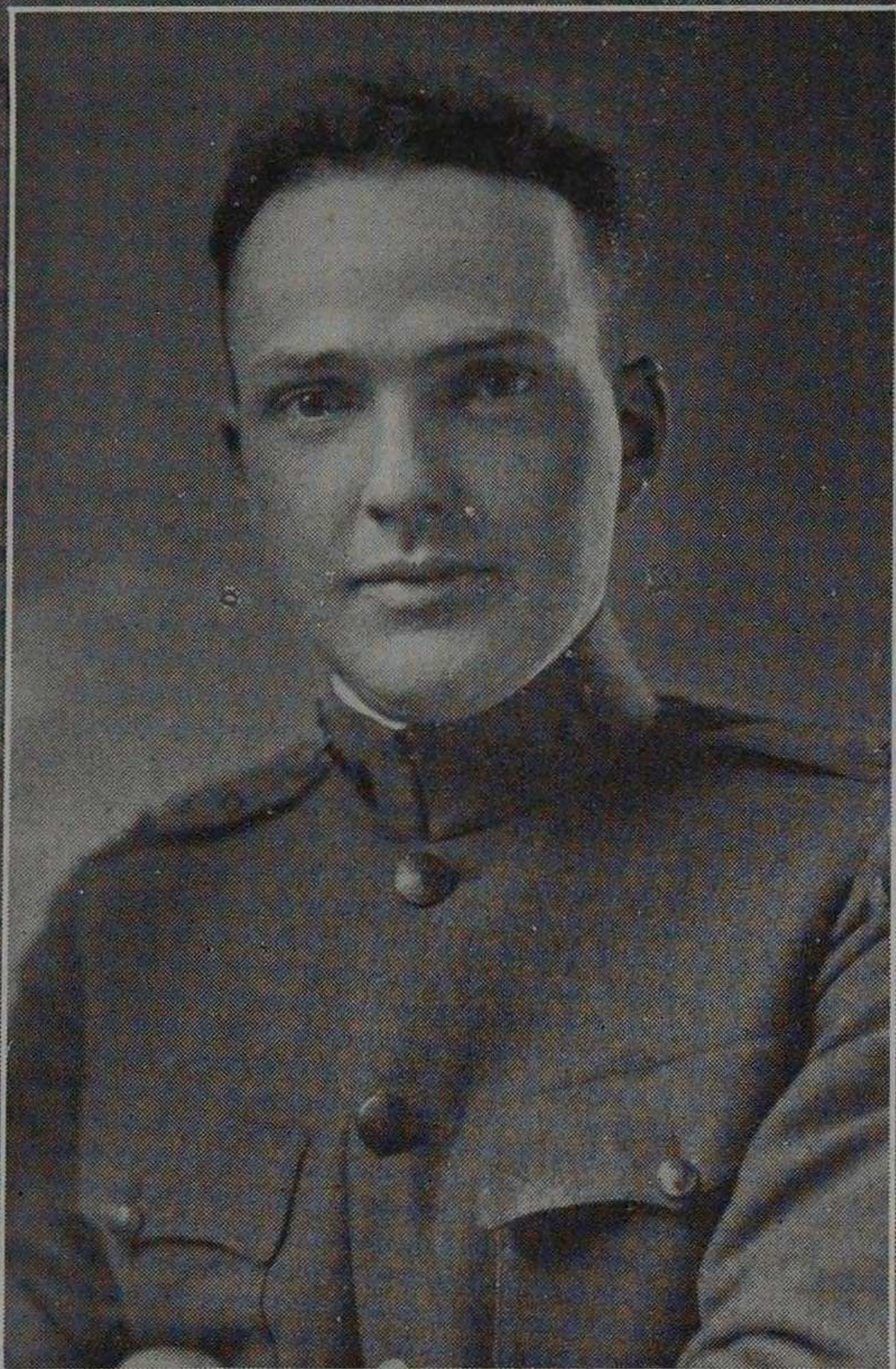
LIEUT. J. L. ANNING, '20
Infantry

LIEUT. B. S. CARR, '15
Tank Corps

LIEUT. E. R. COLE, '18
Signal Corps

LIEUT. W. E. DADY, '19
Infantry

MILITARY

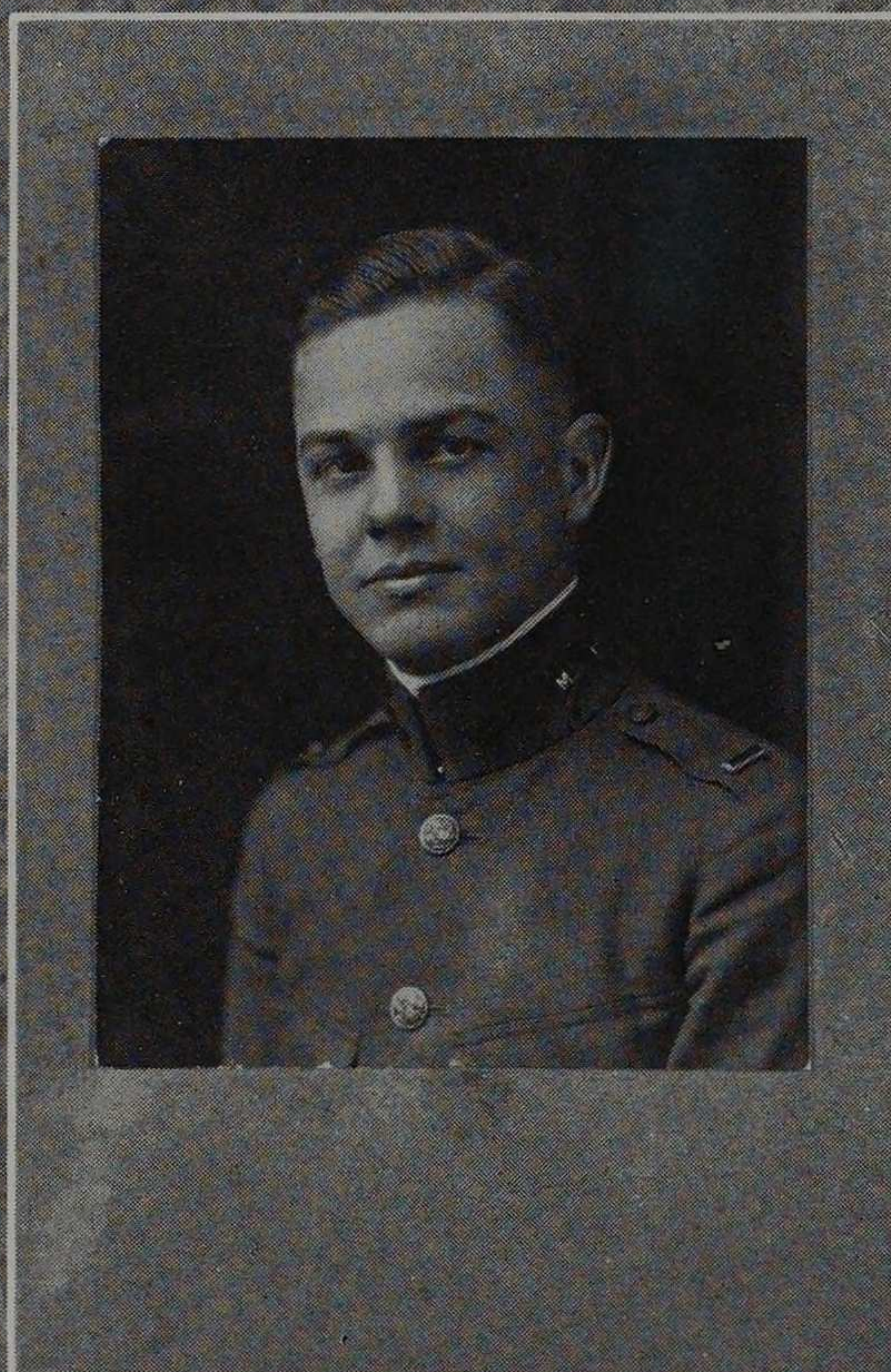
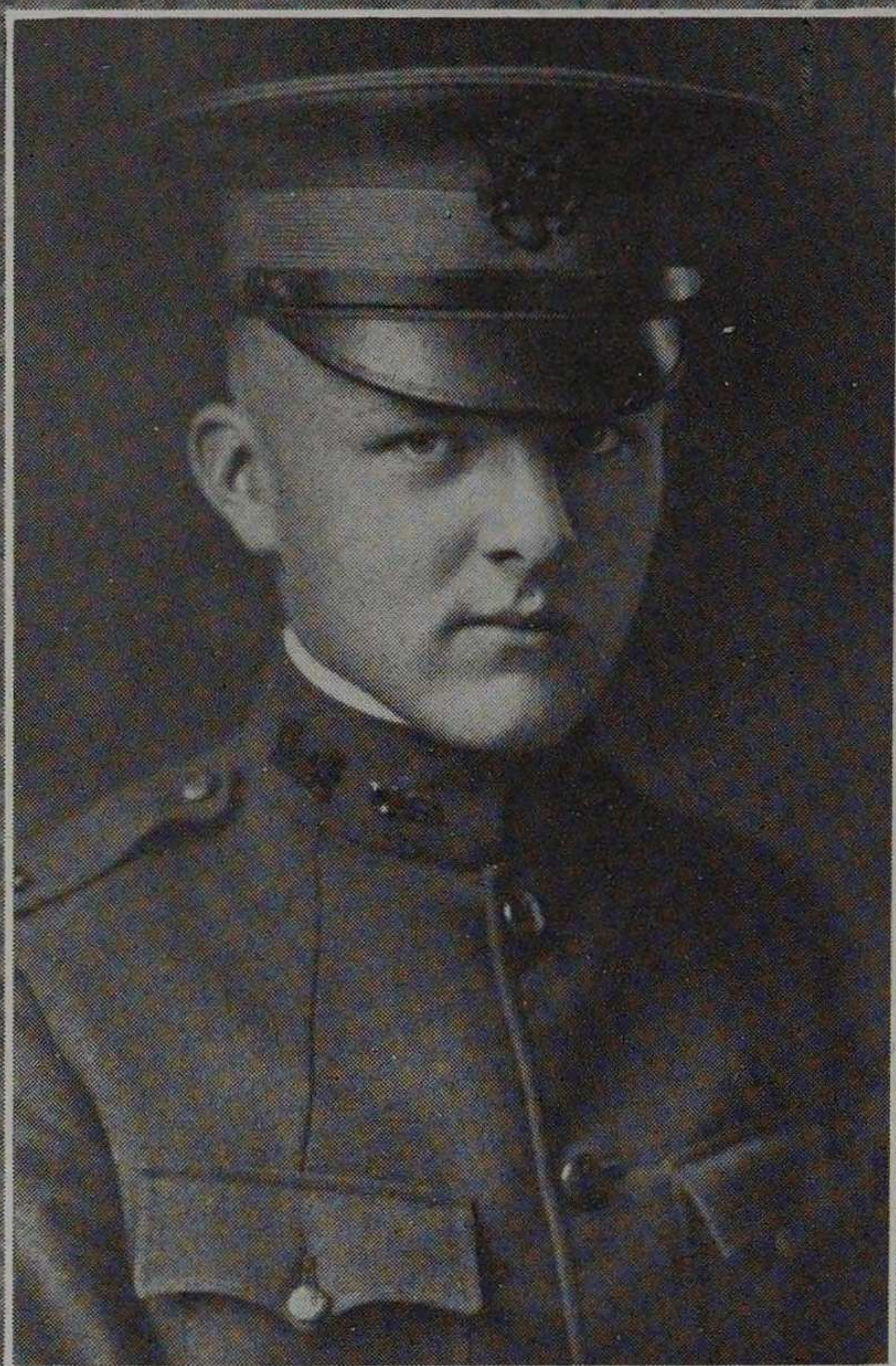


LIEUT. J. DEERING, '15
Signal Corps

LIEUT. A. E. ERICKSON, '19
Artillery

LIEUT. C. A. GRASSE, '16
Artillery

LIEUT. H. INGRAHAM, '17
Infantry

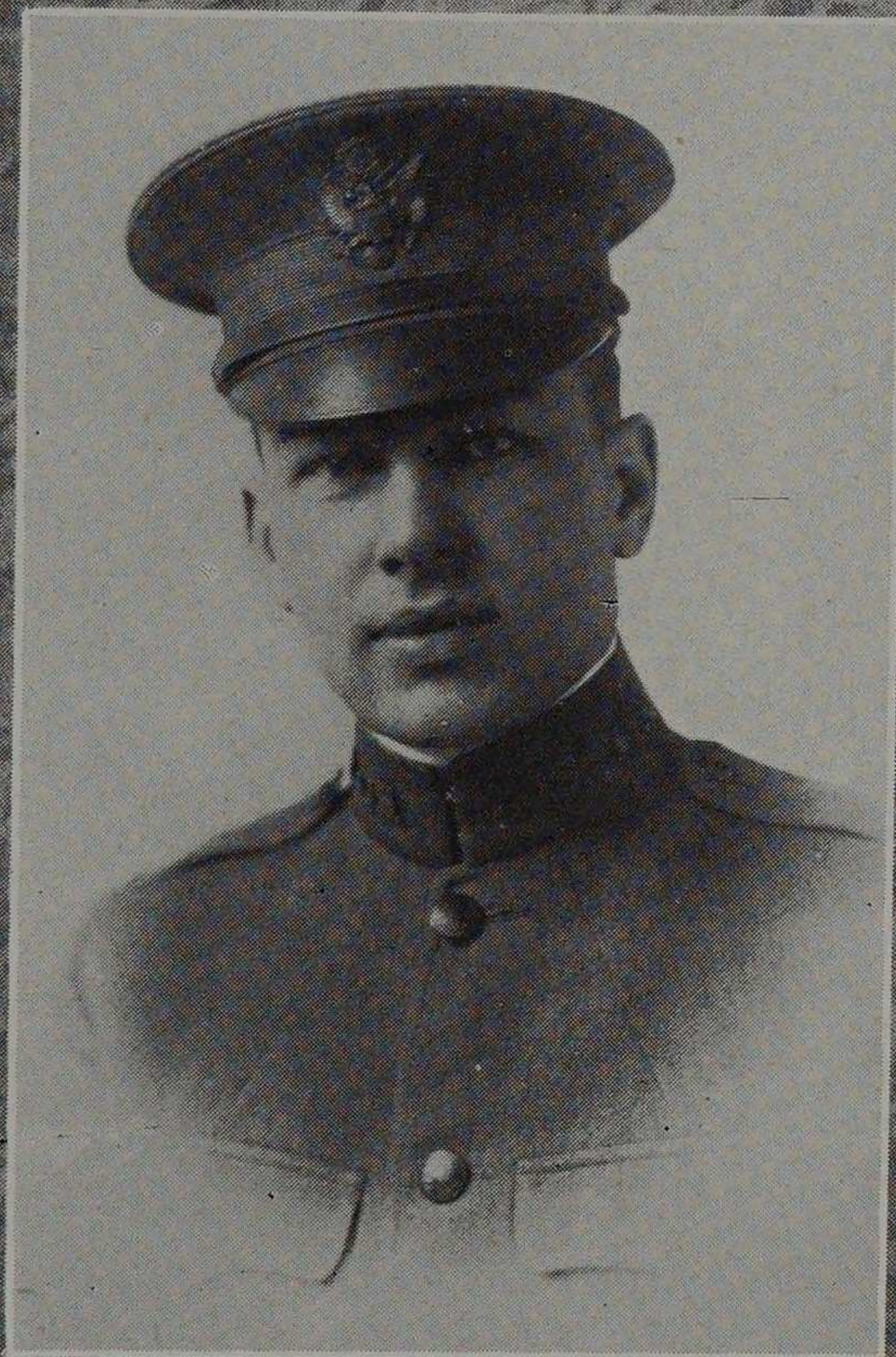


LIEUT. R. N. MANN, '18
Engineers

LIEUT. H. B. MAGUIRE, '17
Aviation

LIEUT. R. O. JOSLYN, '19
Artillery

LIEUT. I. C. MARTIN, '19
Machine Gun



LIEUT. H. N. SIMPSON, '16
Engineers

LIEUT. A. STREHLOW, '21
Infantry

LIEUT. R. STREHLOW, '21
Chemical Warfare

LIEUT. J. W. TIERNEY, '17
Aviation



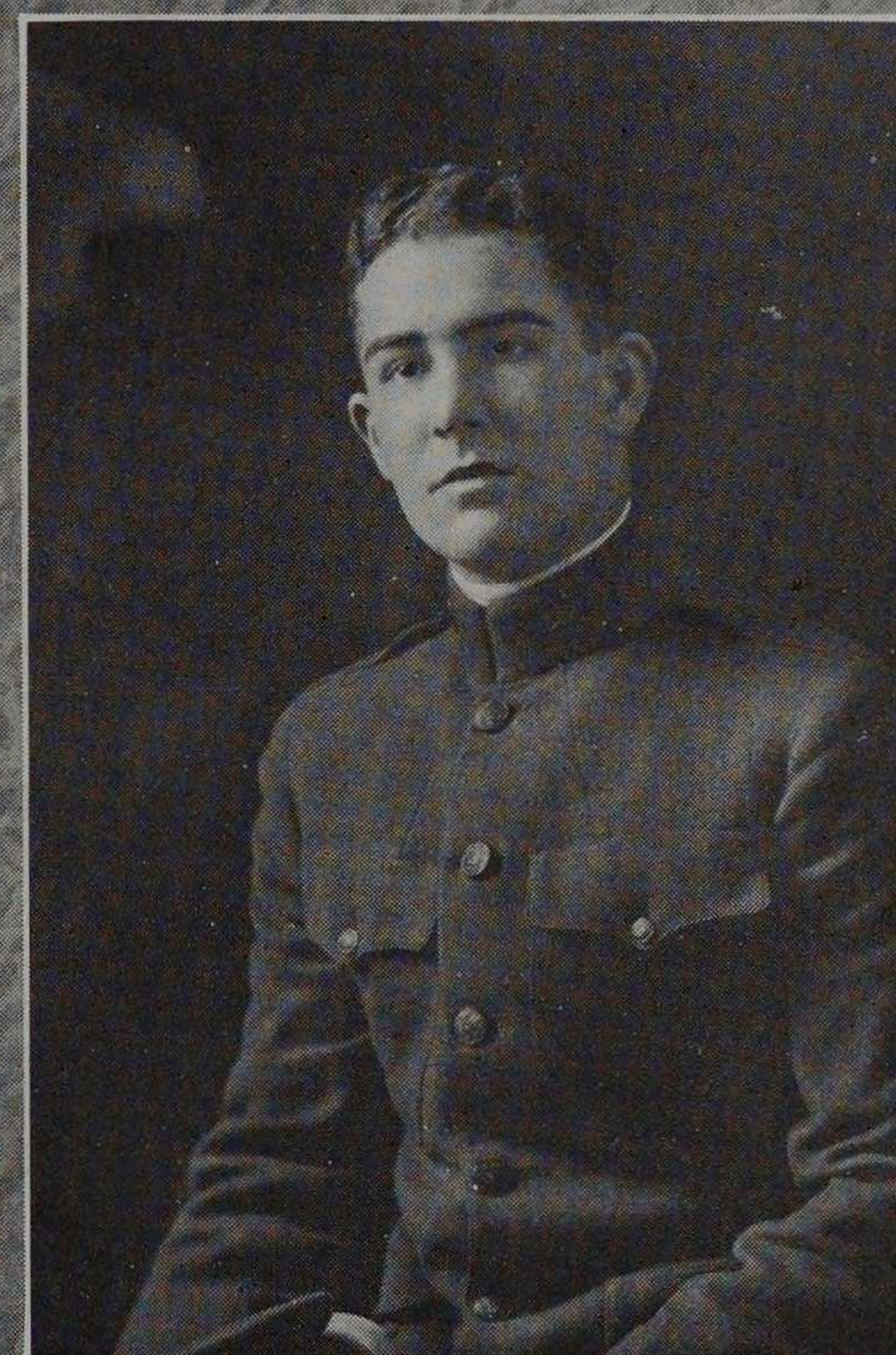
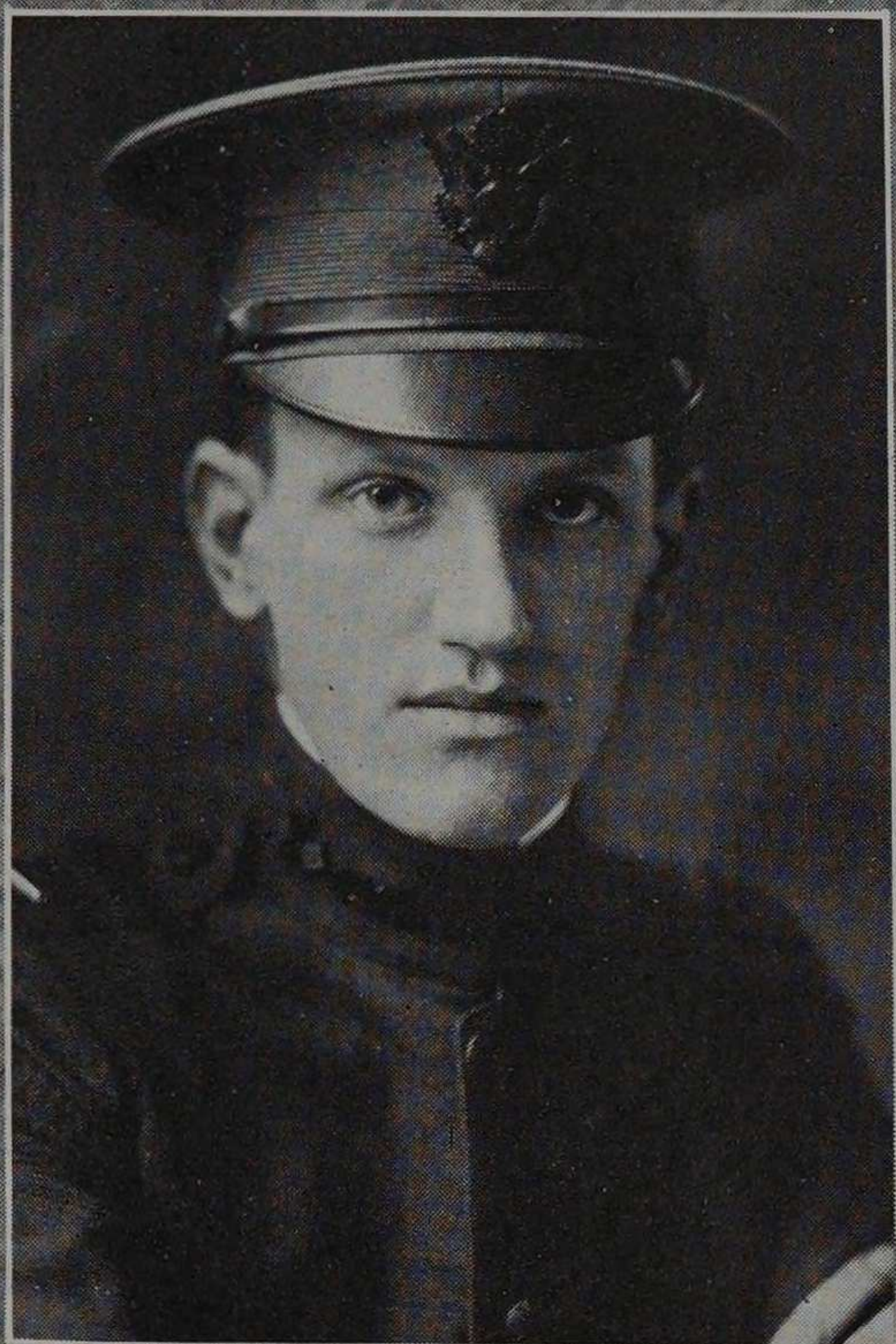
LIEUT. E. W. PORTER, '15
Aviation

LIEUT. C. R. SIMMONS, '15
Engineers

LIEUT. H. P. SHERWOOD, '15
Chemical Warfare

LIEUT. R. D. COWLES, '17
Infantry

MILITARY



LIEUT. A. H. FERGUSON, '18
Signal Corps

LIEUT. A. J. THOMPSON, '20
Chemical Warfare

LIEUT. M. C. VEREMIS, '19
Artillery

LIEUT. E. K. ZINN, '20
Aviation

The War Experiences of an "Armour" Man

IT is with great appreciation that I avail myself of the privilege to tell in a brief way, the story of my experience in the great war with the first American Division from the latter part of 1917 to the latter part of August, 1918. It was my good fortune to serve with but one organization, the First Regiment of U. S. Engineers, during my entire service in France.

Before outlining my experiences in France, I will outline as nearly as I can the process of training which we went through before receiving assignment to troops in the field.

For a period after the sinking of the *Lusitania* it seemed that our country would eventually be drawn into the war. In February and March, 1917, it was the general opinion that war with Germany was inevitable. Having studied some literature regarding the Officers' Reserve Corps, I made application on March 1, 1917, for a Commission as a First Lieutenant of Engineers in the Officers' Reserve Corps. Shortly after the war was declared on April 6, 1917, I was notified to appear for examination and subsequently ordered to Fort Sheridan, Illinois, on May 8, 1917, to receive training.

The training at Ft. Sheridan consisted of the rudiments of infantry drill, signalling, minor tactics, study of army regulations, etc. The training here was severe. The candidates were drilled almost constantly during the day time and had to study until late at night. However, the course was conducted by able Regular Army officers and progressed rapidly. At the end of about four weeks of such training we were sent to Ft. Leavenworth, Kansas, to receive our engineering training.

The training at Ft. Leavenworth consisted of the practices of pioneer troops in the field; namely, pontoon bridge construction, field fortifications and organization of the ground, reconnaissance and topographical sketching, musketry, tactical problems in the field and further study of Army Regulations, Courts Martial, Engineer Field Manual, etc. The course of instruction lasted until August 15, 1917, when the officers were given their assignments. About fifty to sixty per cent of the candidates who started with the two engineer companies at Ft. Sheridan received assignments at the completion of the camp at Ft. Leavenworth.

I received commission as First Lieutenant of Engineers in the Officers' Reserve Corps on June 19, 1917; was placed on active duty July 10, 1917; assigned to the 311th Engineers, National Army which was to be formed at Camp Grant, Rockford, Illinois. The assignments were given out August 15, 1917, at the close of the camp and we were given about ten days furlough before we were required to report at Camp Grant.

When we arrived at Camp Grant the skeleton organization was made up as far as officers were concerned for the new regiment. No troops were to arrive for a few weeks. I remained at Camp Grant two days when another officer and myself received orders to report to the commanding officer at the port of embarkation Hoboken, New Jersey, for extensive duty overseas. On August 8, 1917, I received orders to sail.

We sailed on the U. S. Mail Steamer *St. Paul* to Liverpool and went across country to South Hampton, England, where we took a channel steamer to La Havre. Upon arrival at La Havre we were sent to a British rest camp and received our assignments to various schools in France. About forty officers were chosen to attend the Engineer School of the French Military Academy of St. Cyr and Versailles (*Ecole Militaire du Genie*). At this school we received instruction in the various branches of the service, namely, organization of the ground for defense, trench warfare, gas warfare, artillery, and extensive study in field fortifications. The courses were conducted by English speaking French officers of whose extensive experience in the field we had the benefit.

Upon the completion of the course at the French Academy we were taken on an extensive tour of the French front. The tour covered ground from the Somme battlefield to the Chemin des Dames. During the trip we learned how trench warfare was conducted and tactical examples of the battles which took place on the ground were explained, and later we realized how much we had benefited therefrom, and we learned to know our French comrades in arms.

After returning to the school we received orders to proceed to Rouen, France, to attend a two weeks course in pioneer engineer work at the British Royal Engineers' School at that place, after which we returned to Versailles and received assignments to Regular Army troops.

On December 1, 1917, I reported to the Headquarters of the First Regiment of Engineers and was assigned to duty with Company "F" of that organization. At that time the strength of the organization was 168 men per company and we received additional men shortly after to bring the strength to 250 men per company. By January 15, 1918, the replacements had all arrived and we were on our way to the front for the first time as a fighting organization. The First Division went from the Gondrecourt area to the Toul sector where they were brigaded with the French to receive their first instruction in actual trench warfare.

When we first went to the Toul sector it was known as a rest sector and was used by the French to rest troops who had been through severe fighting and it was very quiet. However, it did not take long for hatred among the American troops to become aroused after seeing the devastation which four years had brought in this area and soon the front became a comparatively active one. While we were at the Toul sector the Germans commenced their famous "Channel Port" drive on March 21 and drove in the Montdidier salient, and it looked as if they would reach their objective.

The First Division at this time had received a fair amount of instruction in actual trench warfare and likewise four other divisions of the American Expeditionary Forces had received similar instruction. On March 28, General Pershing placed at the disposal of Marshal Foch all of our forces to be used as he might decide. At his request the First Division was transferred from the Toul sector to a position in reserve at Chaumont en Vexin near the place where the Fifth British Army joined the French army. As German superiority in numbers required prompt action, since the junction between the British and French armies had been broken, the American First Division had gone into the gap at Montdidier salient on the Picardy battlefield on April 26, 1918. Tactics had been suddenly revolutionized to those of open warfare, and our men, confident of the results of their training, managed to hold the Germans close to Montdidier from which point they advanced no further.

The First Division consisted entirely of Regular Army Organizations; namely, the Sixteenth, Eighteenth, Twenty-sixth and Twenty-eighth Infantry Regiments; the Fifth, Sixth and Seventh Field Artillery Regiments, two machine gun battalions, and the First Regiment of Engineers. All of these regiments had men who had campaigned since the days of the Philippines and were in excellent condition for what was before them in view of the recent training they had had.

On the morning of May 28 this division attacked the commanding German position at the nose of the Montdidier salient, taking with splendid dash the town of Cantigny and all other objectives, which were organized and held steadfastly against vicious counter-attacks and galling artillery fire. Although local, this action had an electrical effect, as it demonstrated the fighting qualities of our men under extreme battle conditions, and also that the enemies' troops were not altogether invincible. The engineers organized strong-points behind the first line of infantry after the town was taken and the objective was reached, in order to withstand the counter-attacks which followed.

The taking of the town was done with comparative ease, but the counter-offensive by the enemy was bitter to withstand. However, the Germans did not pass the strong-points or regain the town after trying every means at their disposal to retake it. Shortly after the town was taken I was gassed and did not see

the finish of the fight. During this offensive the Second Division was in support at Beauvais, but their co-operation was not needed.

The great force of the German Chateau Thierry offensive established the deep Marne salient, but the enemy was taking chances and the vulnerability of this pocket to attack might be turned to his disadvantage. General Pershing seized this opportunity to support his conviction and every division with any sort of training was made available for use in a counter offensive. The place of honor in a thrust towards Soissons on July 18 was given to the First and Second Divisions, the two veteran American Divisions, in company with chosen French divisions. Without the usual brief warning of a preliminary bombardment, the massed French and American artillery laid down its rolling barrage at dawn, firing by the map while the infantry began its charge. The tactical handling of our troops by General Mangin, of whose Tenth Army we were a part, was excellent throughout the action. The enemy brought up large numbers of reserves and made stubborn defense both with machine guns and artillery, but through five days fighting the First Division continued to advance until it had gained the heights above Soissons and captured the village of Berzy-le-sec. The Second Division took Beau Repaire farm and Vierzy in a very rapid advance and reached a position in front of Tigny at the end of its second day. These two divisions captured seven thousand prisoners and several hundred pieces of artillery, not to mention heavy casualties inflicted upon the enemy.

The First and Second Divisions each lost between seven and eight thousand casualties, mostly slightly wounded and very few prisoners; the First Division in five days fighting and the Second Division in two days.

French and American divisions took alternate positions along the Chateau Thierry salient from Soissons to Rheims. On the right of the First Division, between the First and Second Divisions was a French Algerian and Moroccan Division. They took no prisoners; however, they kept up with the rest of us.

On retiring from the Second Battle of the Marne we went to a sector near Pont-a-Mousson which was near the Toul sector which we had first visited. The ground at this place was comparatively familiar to the men. While here we received replacements and a good rest as the sector was very quiet. Preparations were then in order for the reduction of the St. Mihiel salient, when I received orders to return to the United States.

Upon my return to the United States I spent a short time at Camp Humphreys, Va., and was ordered to the Chief of Engineer's office in Washington for duty as Liaison Officer from the training section to the General Staff at the Army War College. On December 9, 1918, I received my discharge from the service after a year's service overseas, having been in the military service since May 8, 1917.

Part of the record of the First Division is taken from General Pershing's narrative report to the Secretary of War.

CHESTER F. WRIGHT,
Captain of Engineers, U. S. A.,
1st Regt. U. S. Engrs.



Armour Summer Camp, 1918

Trout Lake, Wis.

...

IT was a strange group that left the Union Station Friday night, June 7th. Why? Each had a big box, and little "Diz" had the biggest one, containing some sort of a level, alidade, or transit. But all did not have berths. The freshmen that had them however, heard the next morning that the strangers they found in bed with them were just some other Armour men who crawled in at about two p. m. from the smoker.

After changing from the St. Paul to Charley Carman's "logger's special," we reached Camp Armour station, Trout Lake, Wisconsin. We spent Sunday in making camp and seeing the country. Prof. Phillips came Monday and the main object of our long trip was commenced; surveying work. Prof. Penn started us on leveling, the men in each tent comprising a working party. We also laid out some new polygons adjacent to last year's, by transit and stadia. Plane table and military sketch board work gave us some very practical experience. Well! I nearly forgot to mention those rival railroad companies that staked out their lines. It has been rumored that the S. H. A. M. Railroad finally won out. But that is probably because they were stockholders in the *Yaphank Limited*, the derelict hand car that made many a loaded trip to Boulder Junction, the home of the fair Pauquet girls.

Had it not been for Peri Grammas I fear we would all know much less about nature. Yes, 'twas he who single handed caught that skunk, but to quote Peri: "It was such a pretty animal." However, he was the only man in camp to catch any amount of fish, even if he did spear one with a fork stolen from "Doc" the cook.

Pa took the big launch out earlier than usual last year and many a pleasant ride we had down to the lower lake.

Speaking of the lower lake some six miles away, the lack of a launch to ride in never stopped the boys, that is Fred, Ande and Brons. Whenever they shaved or combed their wild tresses we knew that they were bound for Camp Franklin or Whitbred's to row the fair sex around on the moonlit waters.

Fourth of July about eight of the boys chartered a motor truck car and rode twenty miles in the rain to Minocqua. The town was infested with Indians from the reservations and we saw them as the peaceful, firewaterless redskins of today, usually dressed in "civvies." In the evening we went to the lumberjacks ball at Woodruff.

The next day we accepted Prof. Wilcox's invitation to visit him at Camp Sprague for boys. With Profs. Leigh and Wilcox we formed an Armour ball team and played the camp's prize team, the "Chow-Guzzlers". After a delicious pickrel dinner with Mr. and Mrs. Leigh we started on our homeward journey. Well, we walked twenty-seven miles that night and finally reached Camp Armour at five in the morning just as Doc was starting breakfast.

SUMMER CAMP



Things ran quiet after that, except of course Squires at meals, but considering all the pancakes and pickles he speedily ate, he worked well. Of course there was the episode of the firecrackers and those dumped cots. And who stole the bell rail so that Pete overslept?

A day or so before camp broke, Prof. Penn and four of the boys left for Ft. Sheridan. Then we realized what an interesting, yet seemingly short time we had spent and all vowed that some day we would return to dear old Trout Lake.

I attach a list of those guilty of being at the camp last summer besides Profs. Phillips and Penn:

SHAW, '19	BRONS, '20	HERTWIG, '20
SENECAL, '19	MATSON, '20	ANDERSON, '20
PETERSON, '21	ENGH, '19	DASING, '19
STREHSLOW, '21	GRAMMAS, '18	MANN, '21
SINGER, '21	SCOTTFORD, '21	OLEKSI, '21
SCHMIDT, '21	ORTON, '21	

Summer Camp Recollections

...

- 1—Do you remember that sandy road
When the sun beat down
And the wheel-barrow squeaked
As our trunks we pushed to camp?
- 2—Do you remember that slippery pier
Where the steersman bumped
And the "sailor" jumped
Head first into the deep?
- 3—Do you remember that cold, bleak night
When the winds did howl
And we did growl
As the "chucker" went slowly home?
- 4—Do you remember on that same night
When across the lake
Four were at stake
To take the rail or croak?
- 5—Do you remember those lovely twins
Where one was tall
And the other small
And whose bunks stood end for end?
- 6—Do you remember that famous duel
Where both had fired
But one survived
And he was sensed from far?
- 7—Do you remember that mystery night
When that lonely tent,
Not the "Yap-hank" tent,
Was frightened as white as ghosts?
- 8—Do you remember that sweet, sweet kitchen
Where the night-hawks ate
When they came in late
From where, nobody knows?
- 9—Now do remember what has been said,
And wear that smile
That was the style
In the '18 Summer Camp.

—*Emil Dasing.*



Interclass Baseball

LED by Captain Bready, the sophomore team, Class of 1920, again showed their superior ability in athletics by annexing the interclass baseball championship of 1918. With a well balanced infield and a hard-hitting outfield, Ira Bready and his batterymate, Illg, were seldom in trouble.

The team participated in only one round of three games, but these proved sufficient for the team work displayed was excellent.

The freshmen were the first victims of the sophomores, by a 7 to 3 score. Bready was on the mound for the winners and surely subdued the "frosh" sluggers. With the aid of good fielding by Erickson and Seyferlich who made some excellent catches he had little trouble. On the offense, Lyons and Bready proved to be the leading hitters of the day.

The second game was a one-sided affair, which ended in a 21 to 1 victory for the sophomores. This time the seniors were on the short end. Bready and Seyferlich divided the pitching honors for the day, allowing the seniors but one hit, which came in the last inning of the game. The sophomore batting order was busy as is readily apparent from the result. Every man in the line-up succeeded in getting at least two hits, and some, more than two. Long distance clouts by Malpede, Gottlieb, Illg, and Lyons were among the features of the game, while Sevic performed some excellent fielding stunts at shortstop.

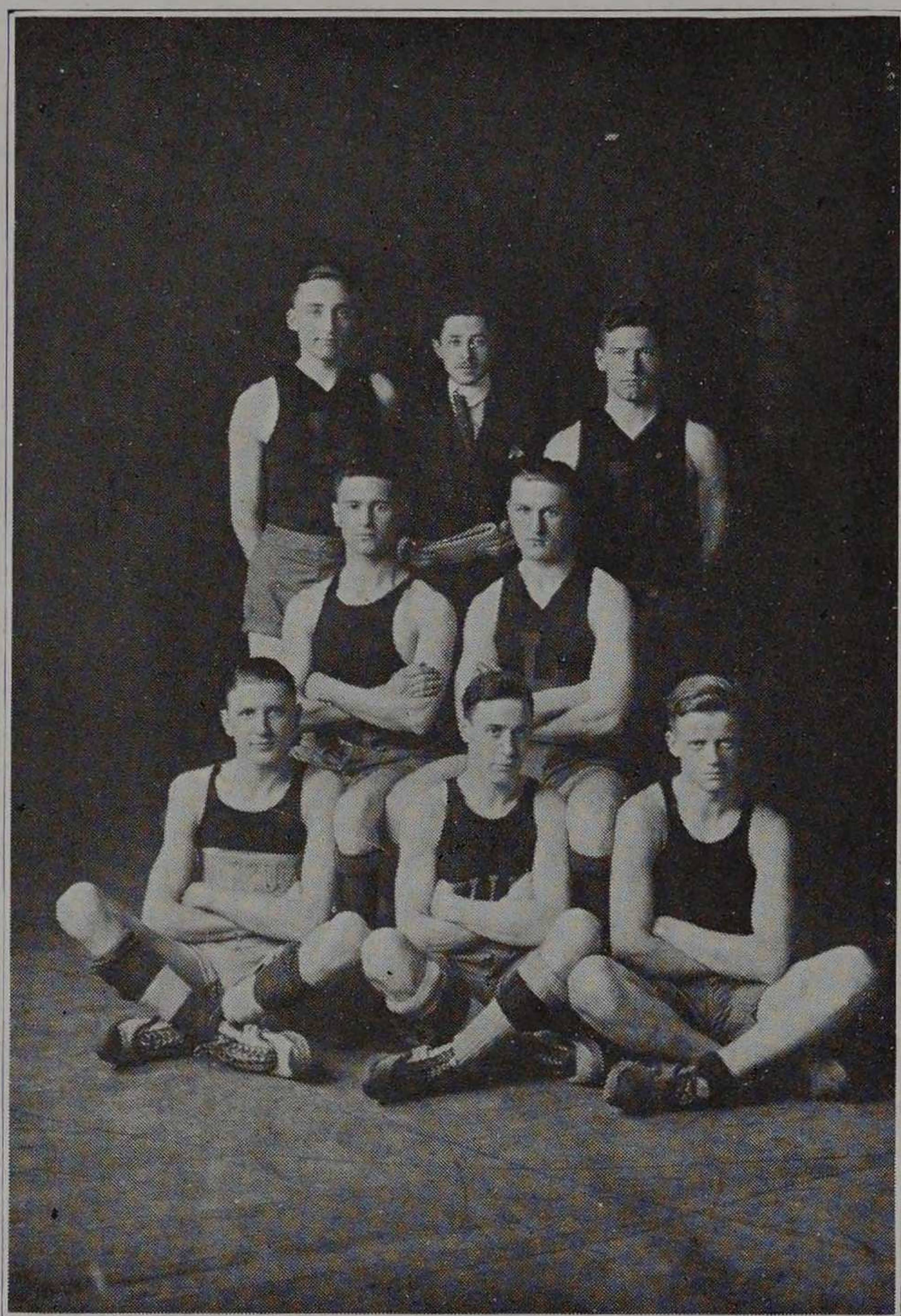
The sophomore-junior game was the closest game of the series, but the game ended in a 4 to 2 victory for the sophomores. The juniors presented a strong line-up which included Anderson, Maitre, Melichar, Wilson, Mendius and others. As usual Bready was in excellent form, and so it was merely a matter of time for a sophomore victory to present itself. Ira also led the attack by his hitting at opportune moments. This victory made the sophomores the undisputed champions of the school.

The prospects for a banner year in baseball are bright, for Seyferlich's Juniors are out to repeat, while Anderson's Senior team is out for revenge. The freshmen and sophomores also have formidable nines, which means that the winning team will have to demonstrate its ability at a fast pace.

The seniors with their famous Maitre-Melichar-Wilson combination led by Capt. Anderson, will put up a stiff argument for this year's title.

However, according to Capt. Seyferlich, the Juniors have little to worry about, for besides having practically all the men who played last year, the line-up will be strengthened by the addition of Scharf, Karlson, Muelleman and others.

The championship team of 1918 was as follows: Illg, Catcher; Bready (Capt.), Pitcher; Malpede, 1st Base; Gottlieb, 2nd Base; Sevic, Shortstop; Seyferlich, 3rd Base; Erickson, Left Field; Lyons, Center Field; Havlick, Mallwitz, Cook, Peterson and Chapin, Right Field and utility men.



Interclass Basketball

THE Armour Institute of Technology has experienced the most fiery interclass basketball tournament since the days of the Little Five, and the men who had taken active part in the contests and attained the championship for nineteen hundred nineteen, rightly deserve the medals awarded them.

At the opening of the Physical Culture Department subsequent to the reorganization of school classes, the interclass basketball teams were carefully formed with a view of competing for the local championship for this year. A schedule was duly arranged and the tournament was started in our own gymnasium.

The players of the respective teams in the various classes proved their mettle when good fellowship and untiring spirit were mostly needed in the course of the games. Their jaws were set and the feeling of fair play in all their actions on the gymnasium floor was

readily observed, as the players met each other in some of the fiercest fights.

The initial game was introduced by the Freshmen and the Seniors in which the Freshmen succeeded in measuring up to the standard of former years, and were led by Kuehn, a well-built fellow constituted both morally and physically to oppose even the hardest man on any team, withstood the offensive of the speedy Seniors. Walker, another Freshman player, also starred for the losers in the game which meant so much to the winning team. The Seniors defeated the Freshmen by a score of 26 to 19, thus ushering the schedule into progress. An excellent fight was also exhibited by other Freshmen; Branigan, Olson, Evans, Eisenstein, Kelner, and Kirkhuff playing the leading role.

The second game on the schedule was a fast one between the Juniors and Sophomores. The cyclonic attitude of the Junior players aided materially in keeping the men on the opposing side in constant fear of losing their stand on the floor and being hurled into the air. Bready, a stubby, ironized fellow, with an eye that appeared to have been fixed on the basket, featured in this game. Bready managed to send his shots straight through the basket without even touching the ring, and the speed with which the ball buzzed through the air was enormous. Bready's point-making and basket-shooting ability is hardly measureable, as his agility plus all that makes for good playing are far beyond the reckoning power of the writer. Seyferlich, Captain and guard on the Junior five, is another first-class player and stands like a wall of masonry when guarding his side of the floor. Thus the Sophomores, whose experience in basketball had not been equally extensive, found it difficult to even "guard" the guard from shooting from all angles of the floor. Erickson's speedy attack upset the Sophomores and his long shots from the middle and corners of the gymnasium stand out as a strong argument in favor of his playing with the school team next year. Erickson is a whirlwind in his ways and understands the fine points of the game. The other players on the Junior team need also to be commended for their good work in the series. Karlson and Scharf drove the message home that, as forwards and guard, they could hold their ground and send the ball through the ring in a crisis. Illg and Anning, who acted as utility men, displayed excellent work when called upon in an emergency.

The Sophomores, with Michels as right forward, Nudelman as left forward, R. Strehlow as center, Rosendal as right guard, A. Strehlow as left guard, and with Meilinger and Mananz as substitutes, composed a fearless team of players. R. Strehlow showed himself, in this game, to be a man of considerable experience in basketball and his huge frame rose above the other players about him. His brother, too, has certain inherent qualities which constitute the good player.

Of the Seniors, Maitre, Anderson, Wilson, Melichar, and Mendius, stood out eminently among the players in the tournament. Although beaten by a large score in the first round, they fought until the last for the honors which the Institute had offered. In the second game, Mendius and Maitre, their clothes tattered and torn, disregarded themselves and nailed the Juniors to the floor. Many human collisions occurred, indeed, but the battle among the players was carried on from point to point and the game ended by the close score of 15 to 11 in favor of the Juniors. The Senior guards, Melichar and Anderson, as well as center Wilson, featured with long shots while at the same time the Junior guards made it almost impossible for the Senior forwards to get near the basket. The large scores by which the Juniors won their other victories is sufficient evidence of the stiff argument that the "fighting" Senior five put up in order to have the game end with such a close score.

The coming year will mean a great deal to the colleges throughout the country as far as athletics is concerned, and many changes and improvements will have to be made. Reconstruction work in basketball will assume to alter established precedents in such a way as to organize college teams with men who understand basketball playing and can do more than play basketball. Players will be judged not by the number of shots they may attempt, but by the number of baskets they SHOULD make through careful and prudent playing. The Armour Institute of Technology will, no doubt, reorganize its college basketball team and again enter the Little Five Conference. Our college has stood foremost among the big basketball colleges in the country and, in order to retain our reputation, it will be necessary to have a team formed of men who have a broad knowledge of the game. No quality should be lacking, and with a body of fellows who will grit their teeth and fight to the last, our college may safely expect a successful year. But, in order that our coach for the coming year may have a written review of the material most suitable for a college team, the writer desires to briefly discuss the prospects for the future, and, having had an opportunity to gauge basketball ability, a short sketch to that effect may not be amiss at this time.

In selecting an All-Star basketball team careful consideration must be given to all departments of the game, and although scoring ability is of primary importance, it is nevertheless set aside for two other essentials always present in good playing: namely, a man's natural knack for basketball playing, and his ability to pass the ball. It should be noted that there is more to passing a ball than merely getting rid of it. Many players have held to the old-time basketball theory of getting the ball into the air regardless of whether it reaches its proper destination or not. In any game, the passing player should aim in front of his teammate and should pass quickly and accurately. Short passes are preferable, but in emergencies it is necessary to be able to make long and accurate passes.

A very formidable team in all branches of the game, and especially in passing and scoring, is available from the material presented. The team would also present a defense that would be strong enough to meet any opponent.

As Captain of our first team I would choose W. M. Seyferlich ("Si"), who showed keen judgment in his management of the Juniors, and who understands how to handle his men and supervise their activities in a manner that should reflect credit upon the Armour Team.

Ira Bready, the peppery Junior forward, was by far the leading forward and point-getter in the series. The "fighting forward's" all-round playing places him among the select All-Star five.

Harold Anderson ("Andy"), would undoubtedly be the selection as co-worker with Bready because "Andy" is both physically fit for the position of forward and

plays a first-class passing and floor game. Also, with Bready and Andy as forwards, there would be Karlson and Kuehn, two dependable players who may also serve as forwards. Karlson's keen eye for basket shooting classes him as one of the best scoring men of the school and with more experience he will be an expert. Kuehn plays a clever game at forward and should no doubt be a star with a bit more "driving" in basketball and basket shooting.

"Big Bill" Erickson, whose long shots have startled the school, and had the effect of dealing a death blow to the Seniors' chances, as center on the first team, deserves to be commended for his calm and courageous playing. "Erick" was second in the scoring column with 35 goals for a total of 70 points. Bill has a rival in "Big" Strehlow who led the Sophomores' five at the pivot position. Bill played a splendid defensive as well as offensive position and succeeded in assisting his own guards in their attempt to subdue the enemy's scoring machine.

R. Melichar (Mel) would be the proper man to work with "Si" at guard. His excellent method of "cutting in" at the proper time and his excellent eye for the basket mark him as a guard to be feared. Tom Michels and Elmer Scharf are also first-class guards, but Melichar's passing and self-management would give him the preference. Scharf played an important part in the Junior victory and with "Si" formed an invincible defense. Michels played an excellent game for the Sophomores and would undoubtedly be the selection for the other guard position. His speed and untiring efforts as well as his knowledge of the game would give him an advantage over his rivals for the Captaincy of the Second Team.

First Team		Position	Second Team	
J. I. BREADY	Juniors	R. F.	J. KARLSON	Juniors
HAROLD ANDERSON	Seniors	L. F.	O. KUEHN	Freshmen
WM. ERICKSON	Juniors	C.	R. STREHLOW	Sophomores
W. SEYFERLICH (Capt.)	Juniors	R. G.	E. SCHARF	Juniors
R. MELICHAR	Seniors	L. G.	T. MICHELS (Capt.)	Sophomores

Final Standing				
	Played	Won	Lost	Percentage
Juniors	6	6	0	1.0000
Seniors	4	*3	*3	.5000
Freshmen	5	*2	4	.333
Sophomores	5	1	*5	.166

*Won or lost by forfeit.

CHAS. C. GOODMAN,
Gymnasium Supervisor.

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The first game of the series resulted in a 26 to 19 victory for the fast and heavy Seniors. The Freshmen led by Kuehn made a good fight but the Senior attack could not be subdued. Anderson, Melichar and Maitre were the bright stars of the game for the Seniors, while Walker, Kuehn and Branigan of the Freshmen showed up well. The score:

February 14, 1919

FRESHMEN (19)	Position	SENIORS (26)
KUEHN (CAPT.)-ERENBERG	R. F.	ANDERSON (CAPT.)-LUCHOW
EVANS-KILNER	L. F.	MAITRE
BRANIGAN	C.	WILSON
WALKER-OLSON-KELLY	R. G.	MENDIUS
EISENSTEIN-KIRKHUFF	L. G.	MELICHAR

Goals or baskets—Kuehn, Evans, Kilner (2), Branigan, Walker, Eisenstein, Anderson (4), Luchow, Maitre (2), Melichar (3), Mendiis. Free throws—Evans (3), Kuehn, Melichar (2), Eisenstein (2). Time of halves—20 minutes. Referee—Bready. Umpire—Maranz.

The Juniors swamped the Sophomores in the second game of the series, 40 to 11. Scharf and Seyferlich held the "sophs" scoreless until the last quarter, while Bready, Erickson and Karlson caged baskets at will. The score at half time was 22 to 0, Bready caging baskets in this half. The score:

February 17, 1919

JUNIORS (40)	Position	SOPHOMORES (11)
BREADY	R. F.	MICHEL'S (CAPT.)
KARLSON	L. F.	NUDELMAN
ERICKSON	C.	R. STREHLOW
SEYFERLICH (CAPT.)	R. G.	ROSEDAL-PLOCAR
SCHARF	L. G.	A. STREHLOW-MEILINGER

Goals—Bready (8), Erickson (5), Karlson (4), Seyferlich (3); R. Strehlow (2), Plocar, Michels, Nudelman. Free throw—Nudelman. Time of halves—20 minutes. Referee—Melichar. Umpire—Anderson.

The Junior five continued to score baskets at will and annexed their second victory from the Freshmen, 54 to 15. Bready and Erickson led in scoring with eleven and eight baskets respectively. Karlson, Illg and Seyferlich also aided materially in the scoring for the Juniors, while Kuehn, Evans and Branigan managed to score for the Freshmen. The score:

February 21, 1919

JUNIORS (54)	Position	FRESHMEN (15)
BREADY	R. F.	KUEHN (CAPT.)-CORYDON
ILLG-KARLSON	L. F.	EVANS
ERICKSON	C.	BRANIGAN
SEYFERLICH (CAPT.)	R. G.	KIRKHUFF-ERENBERG
SCHARF-ANNING	L. G.	McCAFFERY-KELLY

Goals—Bready (11), Erickson (8), Karlson (4), Illg (2), Seyferlich (2); Kuehn (2), Evans (2), Branigan (2), Kirkhuff. Free throw—Kuehn. Referee—Melichar. Umpire—Juraska.

In a game featured by the shooting of Tom Michels and "Bob" Strehlow, the Sophomores defeated the Freshmen, 39 to 17. Branigan put up an excellent fight for the "frosh" with five goals. The score:

February 28, 1919

SOPHOMORES (39)	Position	FRESHMEN (17)
MICHEL'S (CAPT.)	R. F.	KUEHN-BERNSTEIN
NUDELMAN	L. F.	EVANS
R. STREHLOW	C.	BRANIGAN
ROSENDAL-A. STREHLOW	R. G.	KIRKHUFF-WALKER
MEILINGER-MARANZ	L. G.	McCAFFERY-EISENSTEIN

Goals—R. Strehlow (9), Michels (8), Rosendal (2); Branigan (5), Kirkhuff (2), Eisenstein. Free throws—Evans, R. Strehlow. Referee—Bready. Umpire—Newman.

The Juniors closed their first round with a clean slate by trouncing the Seniors by the score of 32 to 12. Bready, Erickson and Illg led a splendid attack for the Juniors while the guarding of Scharf and Seyferlich was excellent. "Hal" Anderson and Carlson did most of the scoring for the Seniors. The score:

March 13, 1919

JUNIORS (32)	Position	SENIORS (12)
ILLG	L. F.	MAITRE
KARLSON-BREADY	R. F.	CARLSON
ERICKSON	C.	WILSON
SEYFERLICH (CAPT.)	R. G.	ANDERSON (CAPT.)
BREADY-SCHARF	L. G.	MELICHAR

Goals—Erickson (6), Bready (6), Illg (3), Karlson; Anderson (2), Carlson (2), Melichar. Free throws—Anderson (2). Referee—Eisenstein. Umpire—Moranz.

The Seniors won a close victory over the "sophs", 19 to 13. The Maitre-Melichar-Mendius combination led by Anderson were too fast for the Sophomores. Tom Michels and Bob Strehlow scored most of the losers' points while the Senior honors were equally divided. The score:

March 11, 1919

SENIORS (19)	Position	SOPHOMORES (13)
H. ANDERSON	R. F.	A. STREHLOW
MAITRE	L. F.	MICHEL
WILSON	C.	R. STREHLOW
MENDIUS	L. G.	F. ANDERSON (CAPT.)
MELICHAR	R. G.	MEILINGER

Goals—Maitre (3), Mendius (3), Melichar (2), H. Anderson; R. Strehlow (3), Michels (2), A Strehlow. Free throws—H. Anderson, Michels. Referee—Scharf. Umpire—Bready.

The Juniors tamed the Freshmen for the second time, the score of this game being 30 to 11. Erickson shot baskets from all angles while Bready's attack also upset the Freshmen. Kuehn shot three long ones for the "frosh" but his teammate Evans was unable to get by Seyferlich.

March 12, 1919

JUNIORS (30)	Position	FRESHMEN (11)
BREADY	R. F.	KUEHN (CAPT.)
ANNING-KARLSON	L. F.	EVANS
ERICKSON	C.	RIEDER
SEYFERLICH (CAPT.)	R. G.	WALKER-McCAFFERY
SCHARF	L. G.	KIRKHUFF-BRANIGAN

Goals—Erickson (6), Bready (4), Karlson (2), Scharf (2); Kuehn (3), Rieder, Branigan. Free throws—Kuehn, Bready (2). Time of halves—15 minutes. Referee—H. Anderson. Umpire—Juraska.

In the roughest, closest and most interesting game of the series the undefeated Junior five fought its way to the championship by conquering the strong Senior team. For the first time in the series the Juniors were behind; several long shots by Wilson, Anderson and Melichar giving the Seniors the lead. However, the Juniors settled down and by Erickson's and Karlson's excellent shooting, aided by the aggressive work of Bready, Seyferlich and Scharf the tide was turned and the game resulted in a Junior victory, 15 to 11. The score:

March 18, 1919

JUNIORS (15)	Position	SENIORS (11)
BREADY	R. F.	MENDIUS
KARLSON	L. F.	MAITRE
ERICKSON	C.	WILSON
SEYFERLICH (CAPT.)	R. G.	H. ANDERSON (CAPT.)
SCHARF	L. G.	MELICHAR

Goals—Erickson (3), Karlson (3), Bready; Wilson (2), Anderson, Melichar, Mendius. Free throws—Bready, Anderson. Time of halves—15 minutes. Referee—R. Strehlow. Umpire—Eisenstein.

ATHLETICS

The Freshmen displayed superior team work and succeeded in defeating the "over confident" Sophomores, 30 to 22. Kuehn, Branigan and Kirkhuff carried the heavier part of the burden for the Freshmen, while Rosendal and "Bob" Strehlow scored most of the Sophomore points. The score:

March 19, 1919

FRESHMEN (30)	Position	SOPHOMORES (22)
KUEHN (CAPT.)	R. F.	ROSENDAL
KIRKHUFF	L. F.	MARANZ
RIEDER	C.	R. STREHLOW
BRANIGAN	R. G.	A. STREHLOW
McCAFFERY	L. G.	LYON-ANDERSON (CAPT.)

Goals—Kuehn (7), Kirkhuff (5), Branigan (3); R. Strehlow (5), Rosendal (3), Anderson (2), Maranz. Time of halves—15 minutes. Referee—Scharf. Umpire—Vickers.

In the final game of the series the Juniors were in excellent form and piled up a score of 55 to 12 against the Sophomores. In the first half Bready shot baskets from all parts of the floor, while Erickson and Karlson did likewise in the second half. The first half ended with the Juniors ahead, 25 to 2. The score:

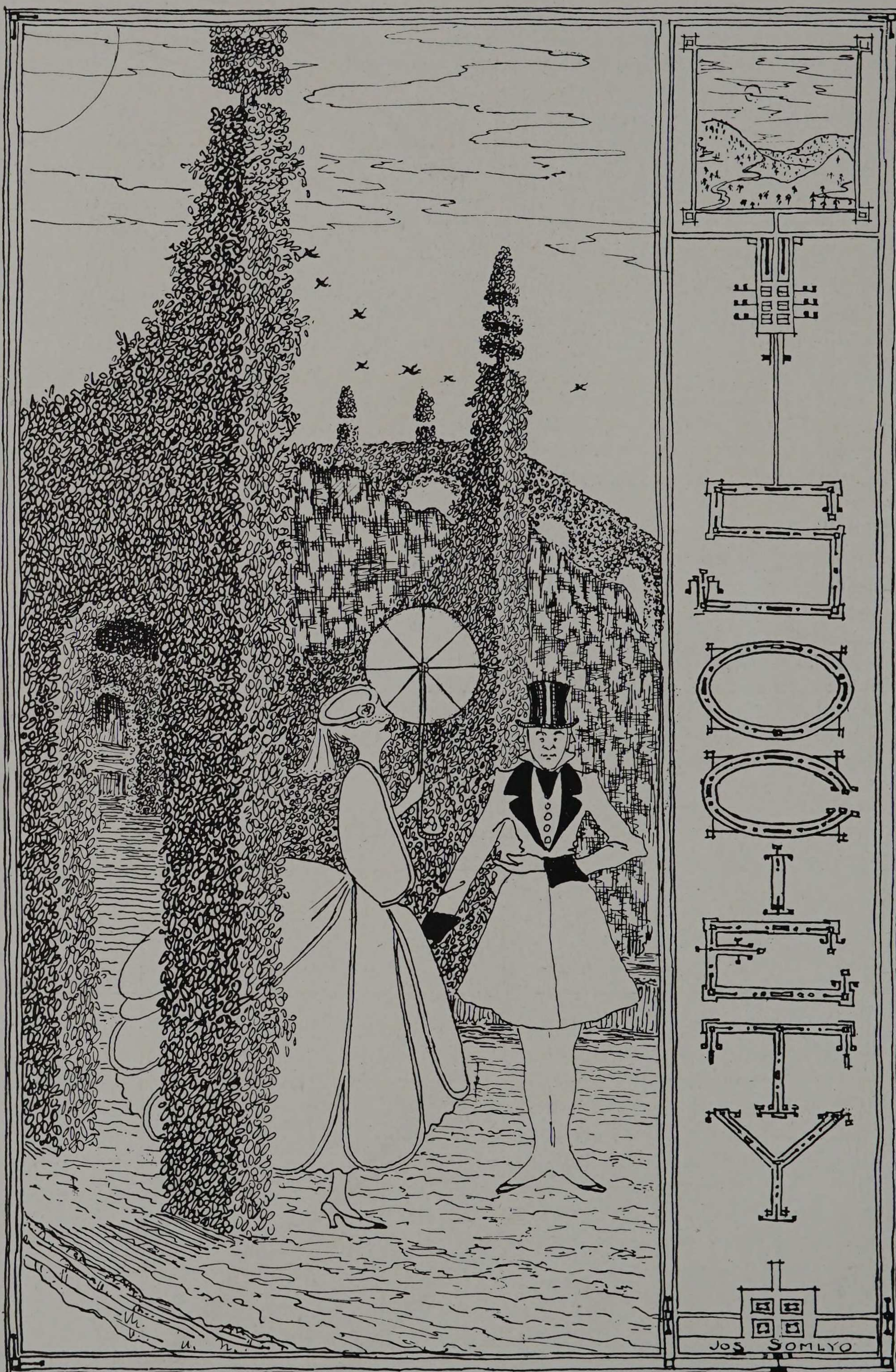
March 25, 1919

JUNIORS (55)	Position	SOPHOMORES (12)
BREADY	R. F.	MICHELS
KARLSON (C.)	L. F.	NUDELMAN
ERICKSON (R. F.)	C.	R. STREHLOW
SEYFERLICH (CAPT.)	R. G.	ROSENDAL
SCHARF-ANNING	L. G.	A. STREHLOW

Goals—Bready (12), Erickson (7), Karlson (5), Seyferlich (2); R. Strehlow (3), Michels (2), Nudelman. Free throws—Bready (3). Time of halves—20 minutes. Referee—Greespahn. Umpire—Newman.

THE 15 LEADING SCORERS

Rank	Player	Team	Position	No. of Games Played	Goals	Free Throws	Total Points	Fouls Committed
1	J. BREADY	Juniors	Forward	6	42	6	90	8
2	ERICKSON	Juniors	Center	6	35	0	70	3
3	R. STREHLOW	Sophs.	Center	5	22	1	45	3
4	J. KARLSON	Juniors	Forward	6	19	0	38	0
5	KUEHN	Fresh.	Forward	5	13	3	29	2
6	MICHELS	Sophs.	Forward	5	13	1	27	2
7	BRANIGAN	Fresh.	Center	5	12	0	24	2
8	H. ANDERSON	Seniors	Forward	4	8	4	20	3
9	KIRKHUFF	Fresh.	Forward	5	8	0	16	1
10	MELICHAR	Seniors	Guard	4	7	1	15	10
11	SEYFERLICH	Juniors	Guard	6	7	0	14	5
12	ILLG	Juniors	Forward	3	5	0	10	1
13	MAITRE	Seniors	Forward	4	5	0	10	6
14	MENDIUS	Seniors	Guard	3	5	0	10	4
15	ROSENDAL	Sophs.	Guard	4	5	0	10	2



The Junior Prom—1918

The Junior Prom given by the class of '19 ended the social season at Armour for the year 1918. Throngs of Armourites and their friends filled the Black Cat Room at the Edgewater Beach Hotel on May 10, where they fox-trotted and one-stepped to the best music of the year.

Altogether it was a most enjoyable affair and it was with regret that the smallest hour of the day was reached which made it necessary for the merry crowd to disperse.

A hearty vote of thanks is due chairman Marks and Messrs. Scheuer, Wilbor, Maitre and Danforth of the Social Committee, and to members of the Junior Class for a most enjoyable evening.

M. M.

Battalion Dinner Dance

NEVER in the history of Armour has there been such a large attendance at a dance as presented itself for the Battalion Dinner Dance at the Edgewater Beach Hotel.

It was seven-thirty on the evening of December 7th, when we all marched into the Colonial Room. Ah! What did we see? Yes, you guessed it. Tables set in a style quite foreign to the veterans of that hall of disappointments, the Armour S. A. T. C. mess shack. It was not alone the napkins and shining silver and real china that dazzled us; it was also those attractive favors that the committee had provided. Will you ever forget the gleam in Helen's and Adelaide's eyes as they saw those Japanese jewel cases and book marks?

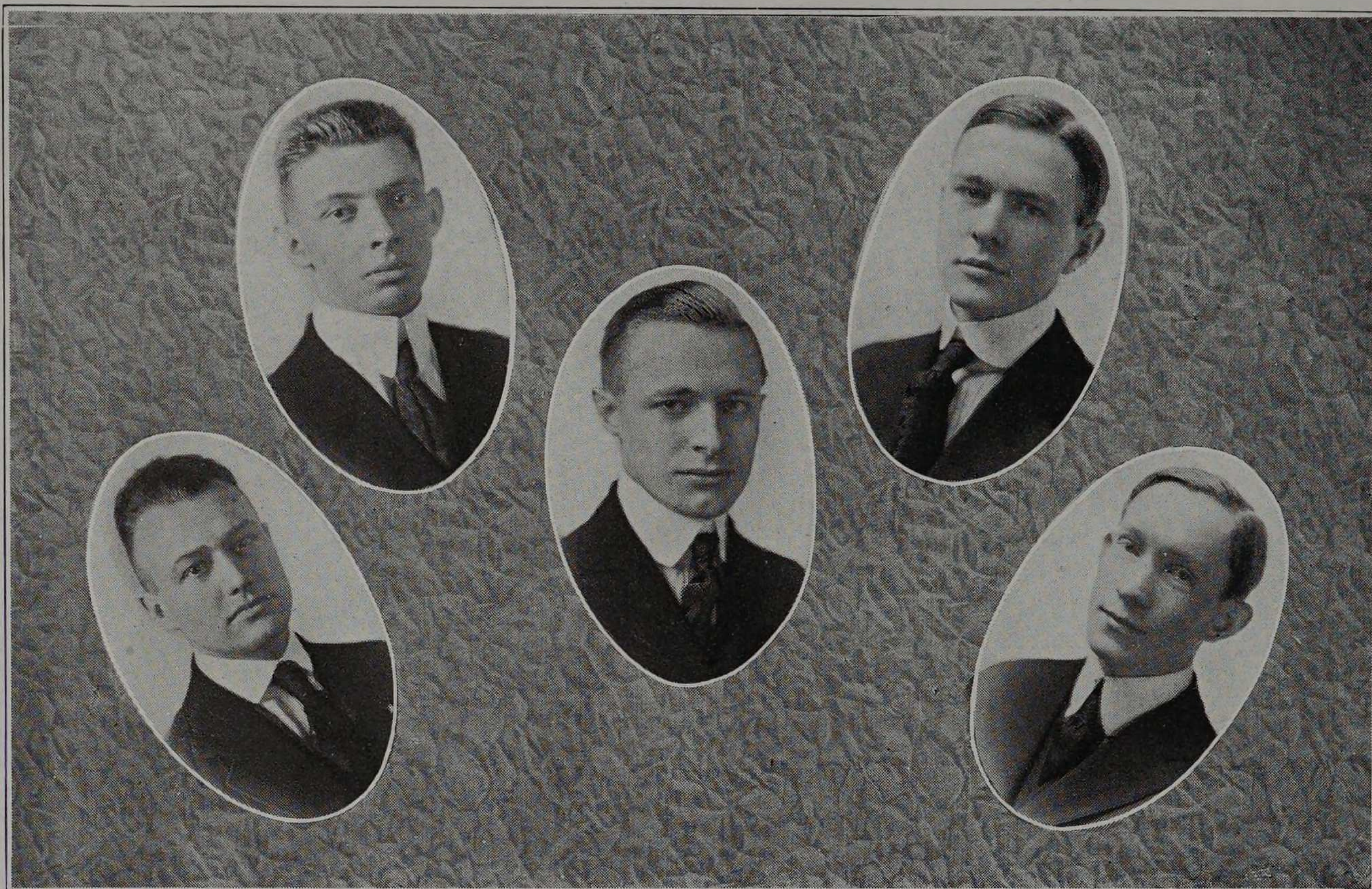
The dinner, much to everyone's surprise, was not a true banquet. From the cream of celery soup to the black coffee, each course was very gratifying and delectable. Some good men were rumored to have covered off two places in true army fashion. I think it was those Melachrinos that the Buddies were after, however. Did you ever see one pass them up?

There was but one speech during the evening, although we had a speakers' table at which sat all the officers of Capt. Kannally's staff. Mr. or rather Sergt. Anderson made an announcement for Corp. Cook on behalf of the Cycle. This was the first impetus given to what has now turned out to be Armour's foremost Cycle.

The floor was cleared immediately after the dinner and dancing begun. Was it not a stirring sight to see those proud, stalwart chaps, everyone clad in khaki or blue, as they tripped about to the weird strains of that enticing music? Yes, it was a military dance through and through without the strict discipline. Private Hoozis or Seaman Dryboy exchanged dances with Lieutenant Shorty as if they were all members of the same college class. There was no hurrying to get away from this charming conditon as the next day was Sunday and we were all on leave. When the orchestra played the Star Spangled Banner at one o'clock we were certainly proud to have had such an anti-climax to our services under dear "Old Glory," which was soon to terminate.

But let me tell you what made this dance possible. It was the money from the Battalion Fund, which was obtained from the sale of candies, tobacco and other things most essential to a soldier or gob.

Indeed much praise is due to the committee, Sergt. Homer E. Anderson, Corp. Fred A. Hertwig, Corp. Albert F. Spitzglass, Seaman Wm. N. Erickson and Private Leo R. Moses for the very capable and interesting way in which they handled the affair, because a dinner dance for 350 people is quite an undertaking.



MAITRE TRASK REHFELDT CLARK KEETH

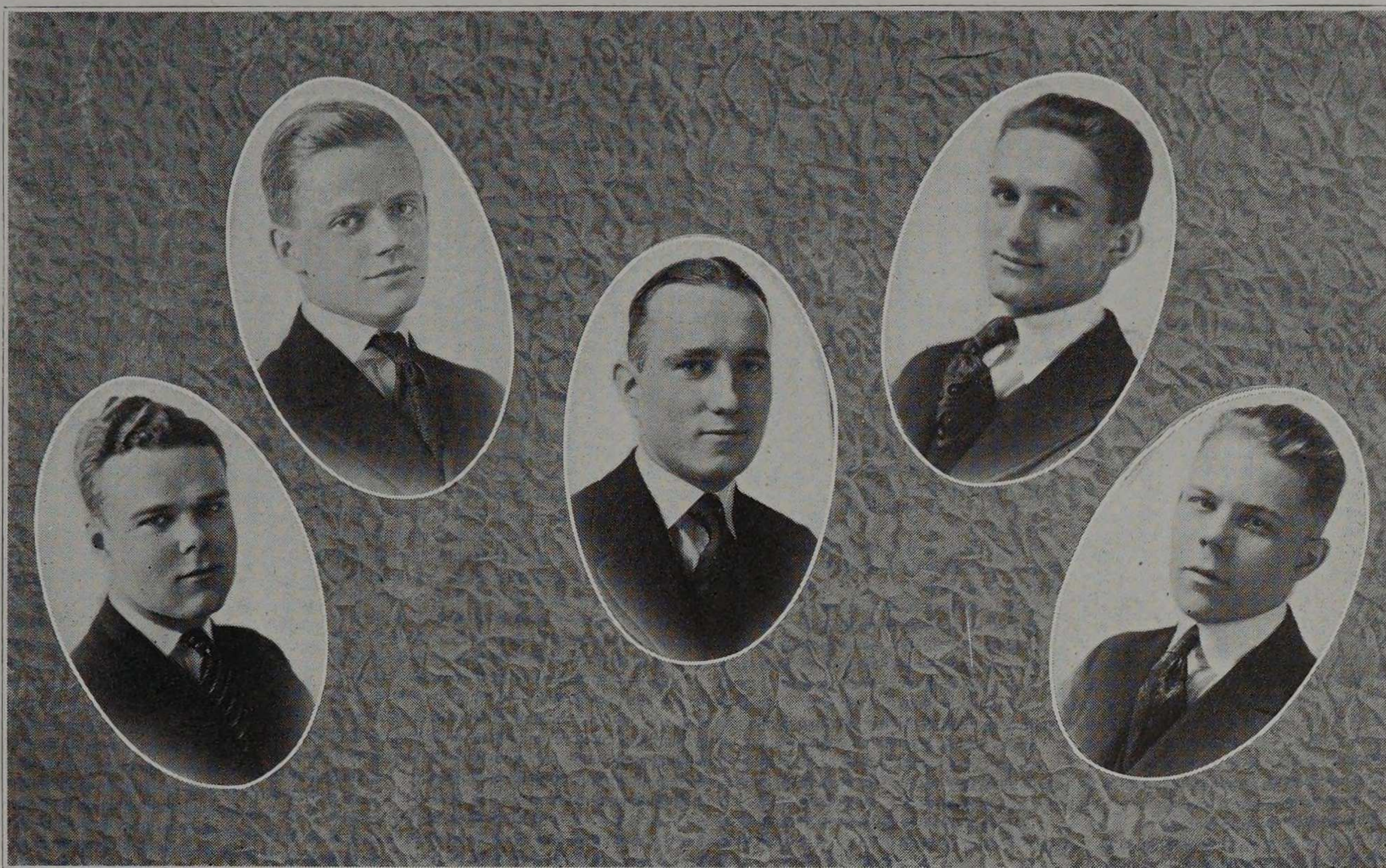
Senior Dance

The social season was surely opened in a most enjoyable manner when the class of '19 held its annual dance on the evening of February 24. It was quite a sight to see those happy youths tripping gayly about the Colonial Room of the Edgewater Beach Hotel, they, who but a few short weeks ago had been subject to the confining discipline of some Lieutenant or perhaps Capt. Kannally. That some still held fond connections for the military life was evidenced by the number of uniforms present.

We were all so happy and enthused over the dance, that when Sergeant "Hop" Rehfeldt issued a G. O. granting us an extension of time 'till one A. M., that most all of us stayed.

Armourites and their friends will surely commend the class of 1919 for their splendid dance. For the noble efforts that were put forth and realized much credit is due to Messrs. Rehfeldt, Keeth, Maitre, Clark and Trask who compose the social committee.

H. E. A.



ANNING

HERTWIG

ANDERSON

HINCKLEY

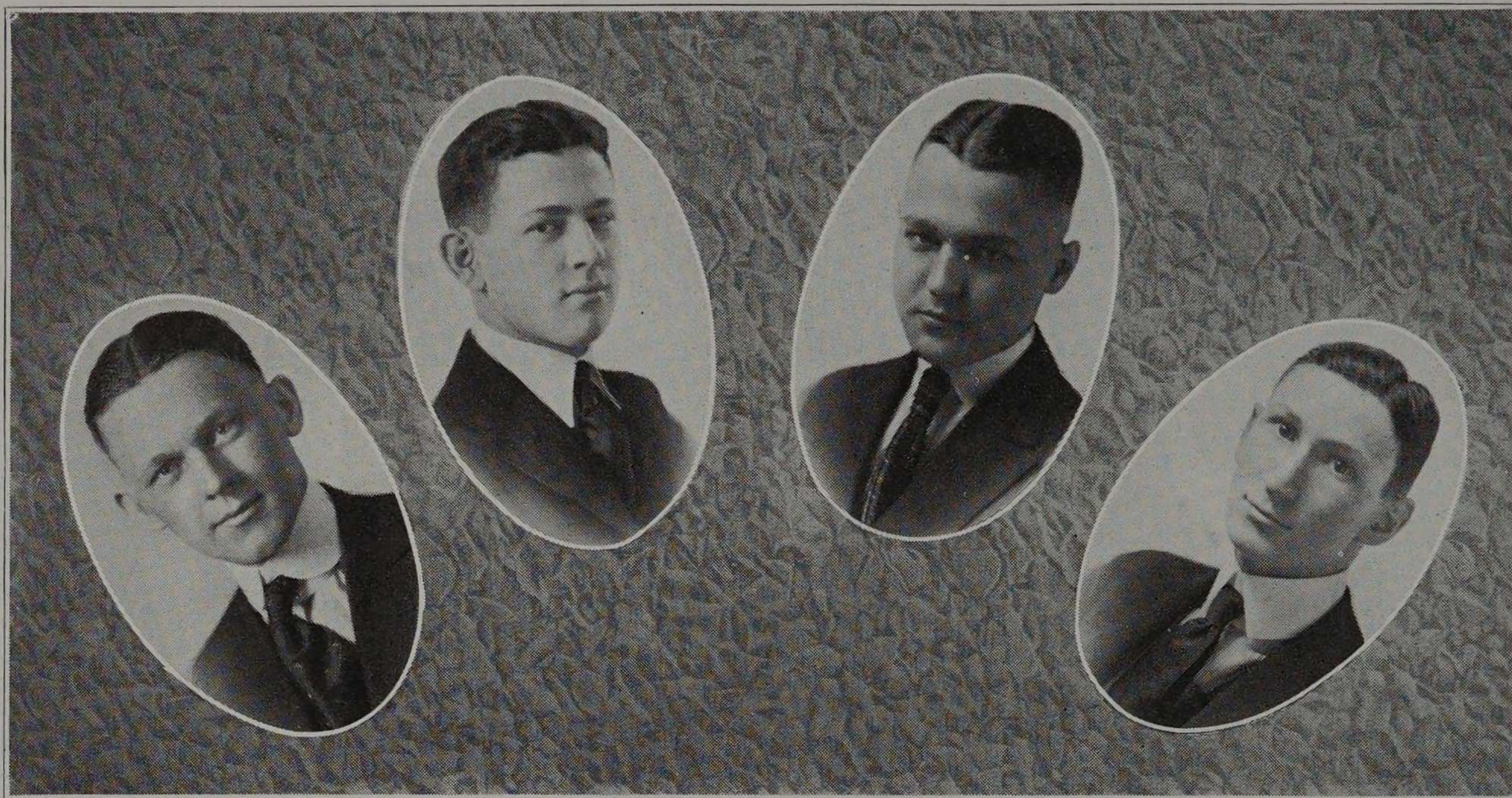
HALL

Junior Dance

The Juniors held their dance in that spacious and charming Colonial Room of the Edgewater Beach Hotel, which has been the scene of so many of the "Tech's" social activities. It was on that memorable eve of March Seventh.

That "Lucky" Seventh dance of the class of '20 was acclaimed by all to be the best dance Armour has given in a decade. Why? Weren't you there? Well then you remember how that orchestra played "Mary" and "Ja Da." Really to hear them play the latter piece, you know, those Great Lakes composers couldn't have done it more creditably. The crowd was a truly Armour gathering, yes, even the girls were, in the majority, old friends that we had seen at many a dance before. This fact and the lack of crowding on the floor surely led to a most congenial and delightful party. When the orchestra played "Till We Meet Again," that "taps" of the dance floor, we were surely loath to leave. Many did adjourn to the Marine Cafe to sip a grape juice ricky or munch some French pastry.

With such a reputation built up it will be a hard task for the committee to outdo itself on the Junior Prom, but they promise it, and the Messrs. Anderson, Anning, Hertwig, Hall and Hinckley usually make good.



PETERSON

SPITZGLASS

PFAFLIN

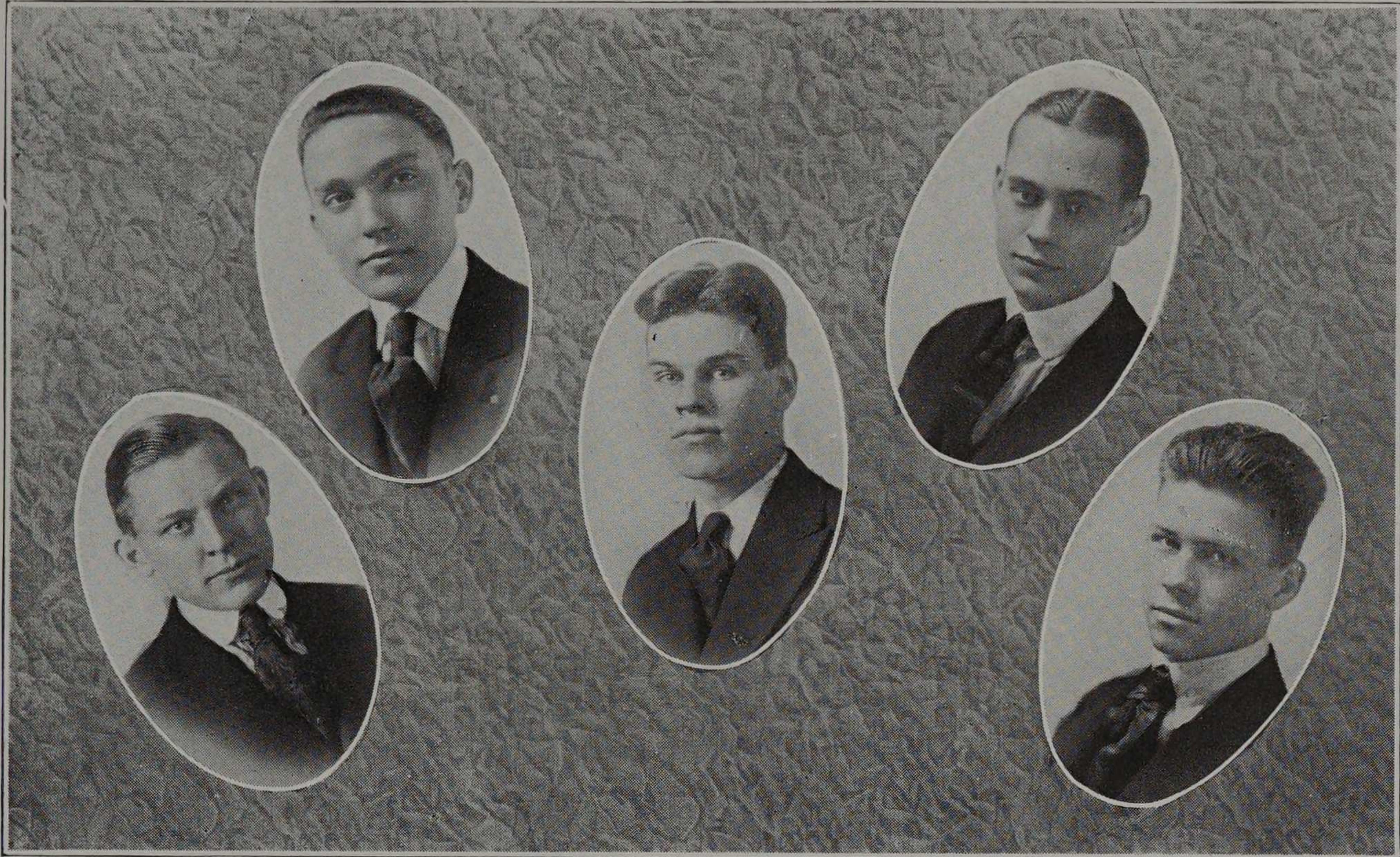
ISAACS

Sophomore Dance

Again the Edgewater Beach Hotel was the scene of an Armour Dance. The Sophomores held their's in the Black Cat room on Friday evening, March 21. The students were all there and the many interesting strange faces indicated that we had visitors from other schools.

The Black Cat with its huge dusky felines and rich blue decorations is always a most interesting setting for a dance, but was especially so with that snappy Roberts' orchestra and those chummy little tables that we all gathered 'round.

The worthy social committee, Messrs. Pfafflin, Peterson, Spitzglass and Isaacs deserve much praise for their splendid efforts.



PETERSON GRAY MAGUIRE VANDERBEE SEDGWICK

Freshman Dance

THE Frosh must be a very energetic set of youngsters to undertake and accomplish such a venture as to run a downtown dance. But that's just what they did, when they gave their dance at the La Salle Hotel in the Louis XVI room on Friday evening, April 25.

It was really a treat to get back to the La Salle again, especially for the upper classmen who had spent many a happy evening there in years gone by.

Roberts' was again the source of the rhythm for the exponents of the light fantastic. Chairman Maguire and his associates, Messrs. Peterson, Gray, Vanderbee and Sedgwick deserve much for the way in which they handled the gathering and all details.



Glee and Mandolin Clubs

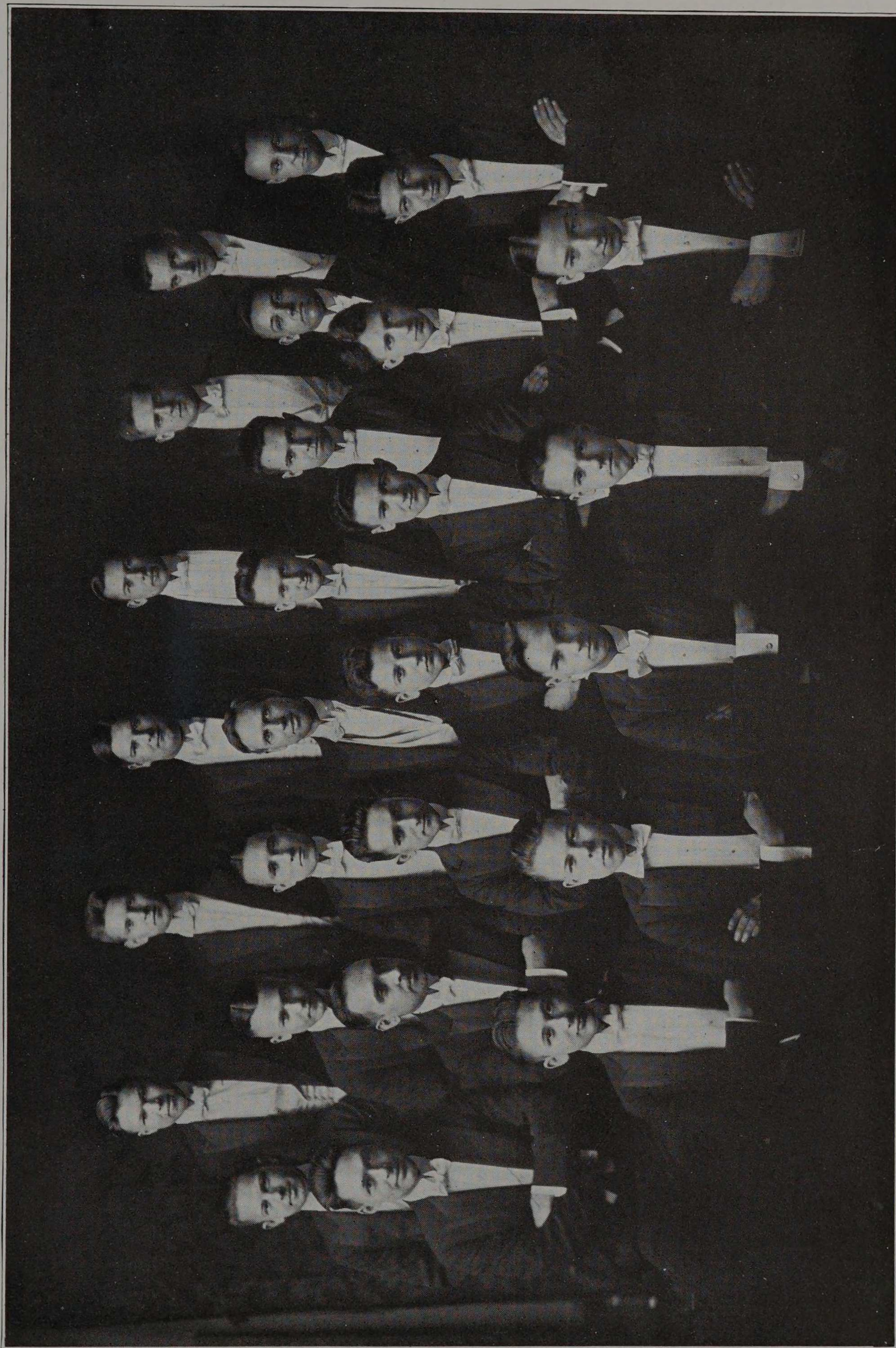
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THE Glee and Mandolin Clubs were late in organizing this year due to war and S. A. T. C. But when the call went out for men in January over 60 men reported. From this number Prof. W. G. Smith had the task of picking a club of 30 men, and it was not easy as every man was very good material; especially with several of last year's men returned from service.

Homer E. Anderson was re-elected manager, Tom W. Hall, assistant manager. Tom Michels was very wisely made leader of the Glee Club and Ted Sedgwick was chosen to lead the Mandolin Club. With this able quartette and Prof. Smith the clubs were soon rounded into the form of what W. G. states is the best musical organization Armour ever produced.

Several small concerts were given by the boys in preparation for the big annual affair. Among them were one at Hardin Square, and quite an interesting joint concert at the Normal Park Baptist Church. Even though it was at a church, the jazz band seemed to be a large attraction. But who could resist Sedgwick, Spitzglass and their jazz brothers. A fine supper was served after the affair by the girls of the church.

Finally after weeks of constant rehearsing and then more of it, April 4th arrived and with it the Eighteenth Annual Concert. This year "Ande" decided to run it at Central Music Hall as many objected to coming the long distance to Armour. It was a great sight for the men on the stage to look out upon the house which was full, numbering among the box-holders some of the finest people in the city. The alumni and faculty agreed that the concert was absolutely the finest ever given by the students.



The Glee club opened the program followed by Sedgwick, Vanderbee and Popkin on their banjos, who were greatly appreciated. The quartette, Prof. Smith, Dryden, Thompson and Berg then rendered some songs of real harmony. It was for the next number the Jazz Band selections that we should have had a dance floor. The girls in the audience looked pitiful as they fought with themselves to stay in their seats. For real music this year's Mandolin Club has never had an equal at A. I. T. Jones sang "A Bungalow in Quoque" assisted by the club and was followed by Freddie Hertwig who surely set people thinking when he queried from under his silk hat, "How Are You Going to Wet Your Whistle?" Well do we remember Miss Stella Dryden and her oriental chorus which executed in such an eccentric way the Slave Dance. Miss Dryden for her two years of charming assistance, has been made an honorary member of the Glee Club. Strehlow and his quartette certainly made everybody think they were riding in Uncle Zeck's flivver when they sang about his Ford.

The headliner of the evening, though was the act that Michels, Spitzglass and Anderson put on. As the ham actor said, the audience was knocked out of its seats. No use trying to tell about Michels, he is so well known, but he was indeed clever that night. He sang "How Are You Going to Keep Them Down on the Farm?" and "Come on Papa" and Anderson sang "Does She?" But the way they "put them over" was as clever as any big vaudeville act could have done. Really as engineers those three chaps make wonderful actors. Of course we had a coon quartette and also some very good Hawaiian musicians. The audience seemed loath to leave when the Glee Club ended the concert with "The Americans Come."

The following Monday eve the clubs sang and played at Ladies' night at the Western Society of Engineers. After the entertainment the Society served the men all the ice cream and cake they could eat.

Later in April the Glee Club appeared at a dance for the benefit of the 122nd Field Artillery given at Edgewater Beach Hotel. It was quite a brilliant gathering and the men enjoyed the dancing immensely.

We wound up a very successful season with our second annual dance at the Three Arts Club.





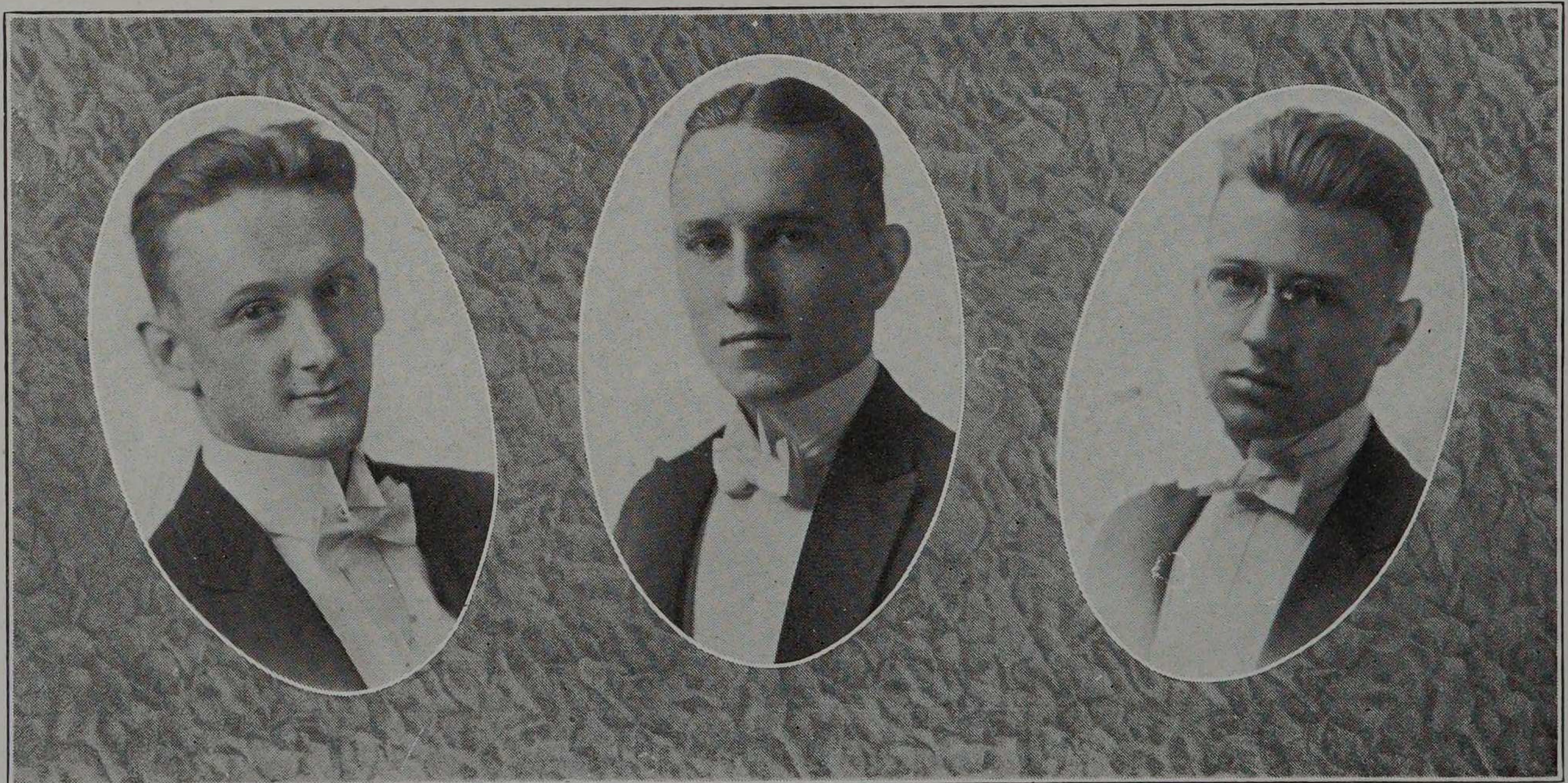
GLEE CLUB

HOMER ELLERY ANDERSON		<i>Business Manager</i>	
THOMAS WINSLOW HALL		<i>Assistant Business Manager</i>	
PROF. WM. GRISWOLD SMITH	<i>Director</i>	THOMAS MICHELS	<i>Leader</i>
<i>First Tenor</i>	<i>Second Tenor</i>	<i>First Bass</i>	<i>Second Bass</i>
PROF. W. G. SMITH	T. MICHELS	A. J. THOMPSON	D. C. BERG
P. H. ERBY	T. W. HALL	E. SCHARF	M. P. WOODWARD
A. N. DRYDEN	A. R. STREHLOW	E. W. PFAFFLIN	E. W. SCHEUER
P. GRAMMAS	H. ANDERSON	L. E. JONES	R. W. BROWN
R. C. STREHLOW	H. E. NICHOLSON	J. KELLEY	E. C. COOK
J. B. THOMPSON	R. P. LOEWE	H. E. ANDERSON	J. P. SANGER
	H. C. PETERSON	E. A. GOODNOW	R. K. SCHERGER
		W. H. VICKERS	G. MEILINGER
		M. M. JACKSON	
		F. A. HERTWIG	
		<i>Piano:</i> D. C. BERG	

MANDOLIN CLUB

T. SEDGWICK, *Leader*

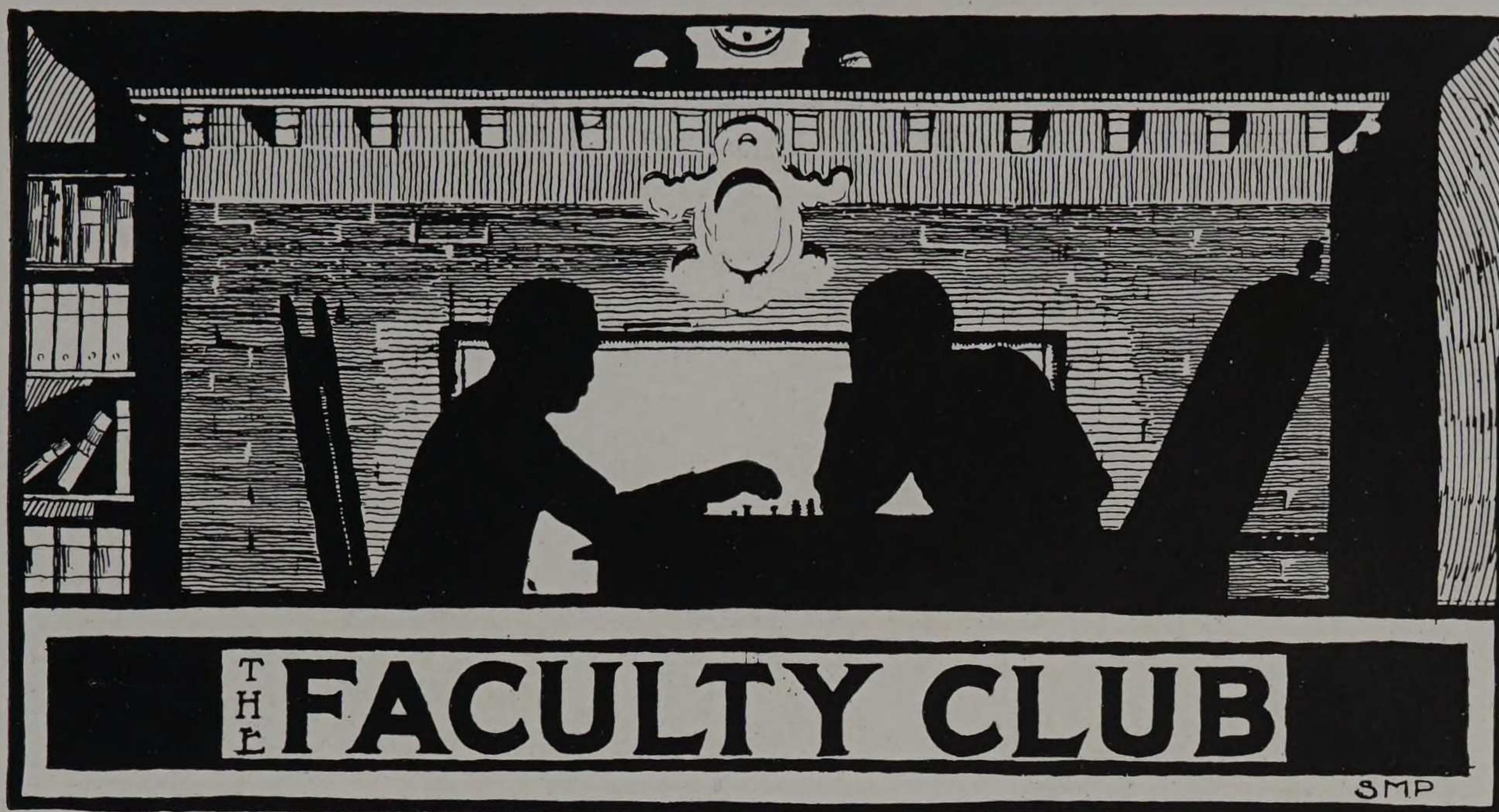
C. HINKLEY	A. F. SPITZGLASS	G. ARMSTRONG	C. UNGER
K. SEDGWICK	C. M. EVANS	T. VANDERBEE	J. POPKIN
S. LEVIE	S. WILLIAMS		



MICHELS

ANDERSON

SEDGWICK



The Armour Faculty Club

OFFICERS

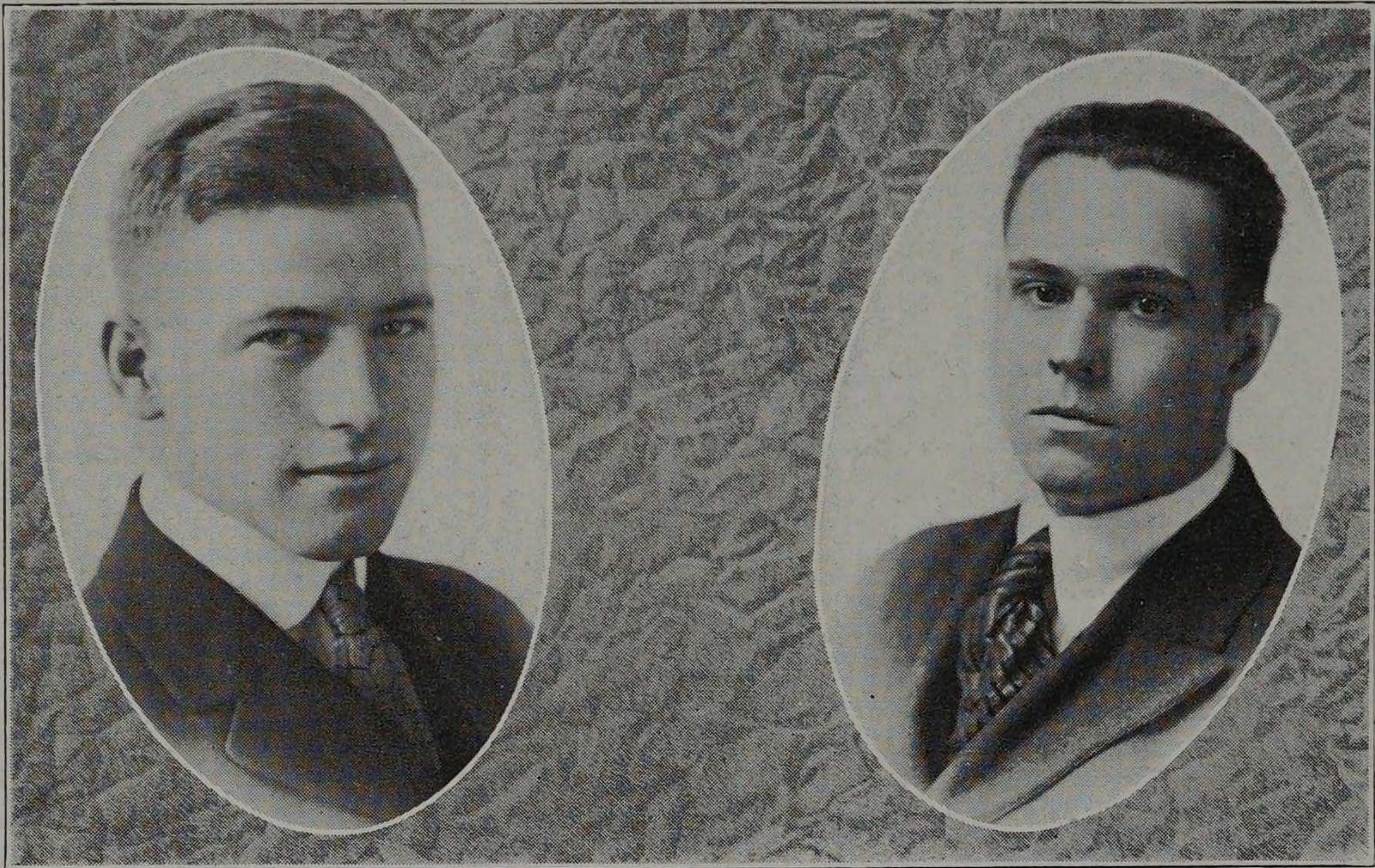
MR. F. U. SMITH	<i>Honorary President</i>
CHARLES W. LEIGH	<i>President</i>
EDWARD D. AGLE	<i>1st Vice-President</i>
HERBERT J. ARMSTRONG	<i>2nd Vice-President</i>
WILLIAM G. SMITH	<i>Secretary</i>
JOHN C. PENN	<i>Treasurer</i>

This is an organization, not much in evidence as far as the student body is concerned, but very important in the social life and general welfare of the members of our board of instruction. If it were not for the relaxation obtained at the noon hour by our professors in the informal and smoke laden atmosphere of the club billiard room, it is probable that most of them would be neurotic victims of too much class work.

As might be expected, the lounging room is a mighty forum for the discussion, if *not* the solution, of all our social, economic, and scientific world problems. To hear Profs. Leigh and Peterson argue the relative superiorities of the National and American Base Ball Leagues is a treat in forensic eloquence, and to hear a prohibition argument, led by Profs. Snow and Schommer, and joined in by the entire faculty, can only be compared in grandeur and volume to the roar of Niagara.

Billiards is the favorite diversion, but checkers and the magazines have their devotees. The club boasts a male quartette, the Ever Ready, consisting of Profs. Smith, Leigh, Phalen, and Finnegan, that makes anything the Glee Club can produce sound like a cheap imitation.

The Faculty Club is of genuine value in promoting team work and good fellowship among the members, as well as providing a convenient place to escape bores and book agents.



BREADY

JONES

Junior Week Program

MONDAY, MAY 5, 1919	JUNIOR BANQUET
TUESDAY, MAY 6, 1919	INTER-CLASS BASE BALL
WEDNESDAY, MAY 7, 1919	INTER-CLASS BASE BALL
THURSDAY, MAY 8, 1919	CIRCUS DAY
FRIDAY, MAY 9, 1919	JUNIOR PROM

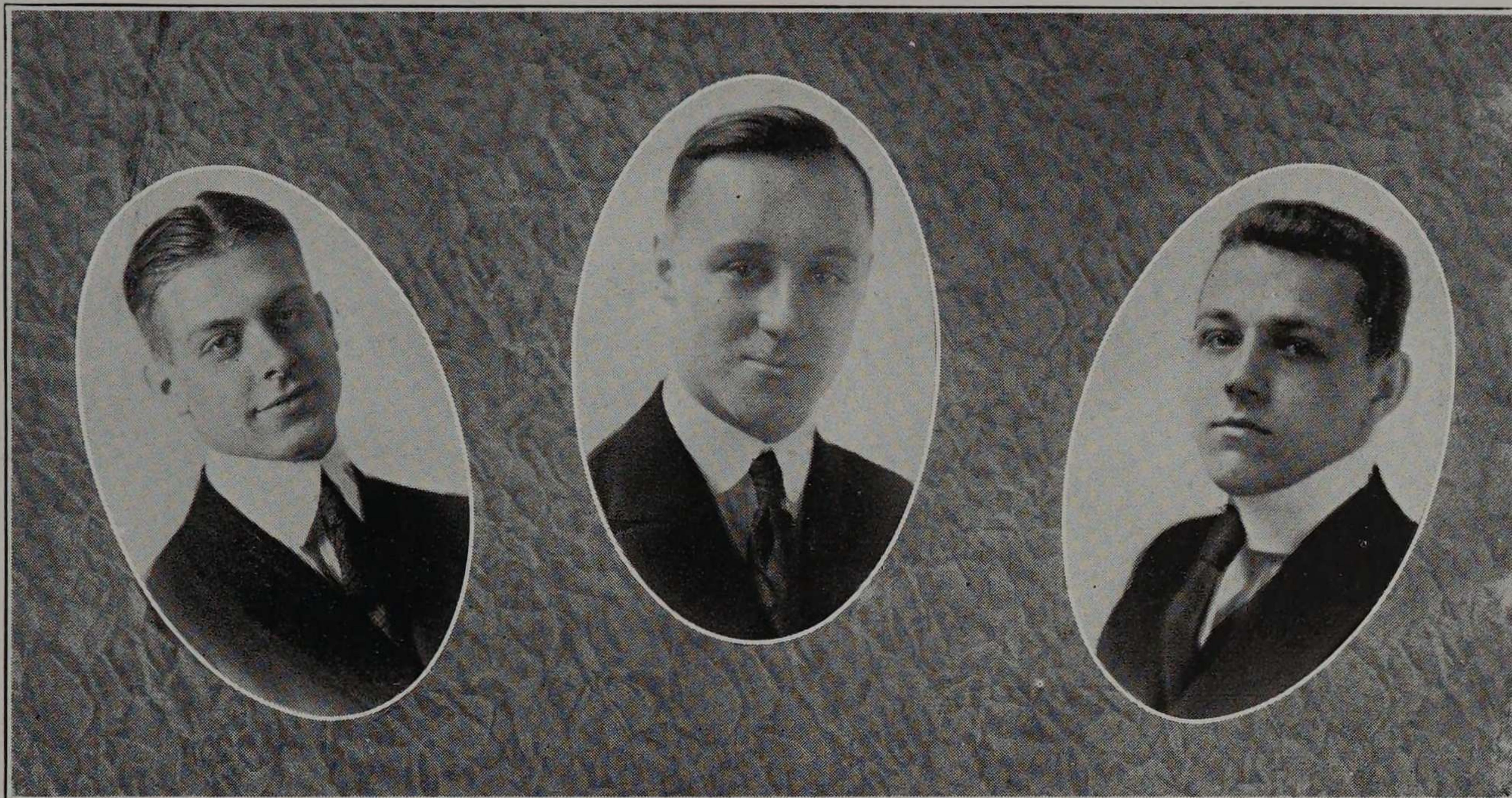
The Junior class banquet will be held on the above date, and in it we will try to uphold the high standing of the class of 1920. The banquet will be held along the good old sociable lines.

Circus day at Armour has always been looked forward to as one of the big events of the year, if not the biggest event. This year we will erase the “if” and make it *the biggest event*. Many old stunts will be repeated, but that’s all right, they are funnier each time, so we are going to have a real circus day. The new and up-to-date stunts will be pulled and if the crowd can not see the funny side, the actors will so it will be all right anyway.

The program for circus day will contain the following events and many others:

- 1. Inter-Fraternity Pageant.
- 2. Brass Band.
- 3. Inter-Fraternity Relay.
- 4. Inter-Class Relay.
- 5. Inter-Class Tugs of War.
- 6. Some stunts to make our aged Profs. young again.
- 7. Peanuts, popcorn, red hots.
- 8. Mustache Contest.
- 9. Wrestling Match.
- 10. All the other stunts that comprise a circus.

BREADY.



HAYDEN
Vice-President

SCHERGER
President

PETERSON
General Secretary

THE Armour Institute department of the Y. M. C. A. was organized in 1899 as one of the student branches of the Y. M. C. A. of Chicago. Two rooms are occupied on the third floor of Chapin Hall, and these contain a piano, current magazines, games, and a billiard table. This provides a pleasant meeting place for the students during their spare hours.

During the period of the Students' Army Training Corps at Armour, the entire Armour branch of the Y. M. C. A. was turned over to the use of the men and a War Work Y. M. C. A. secretary had charge. Through his efforts different forms of entertainment were given the men at various times, such as concerts by some of Chicago's musical talent, dramatic entertainment, and so forth. A bible class was held once a week, led by Professor Leigh of the Institute. It had a membership of approximately fifty. An effort was made to continue this class after conditions had come back to normal again, but it was found that the time the students had for anything outside of regular school work was very limited, so the class was forced to discontinue.

A membership in the Association entitles the holder to the privileges of the rooms and also to the house and special privileges of any Y. M. C. A. in the country.

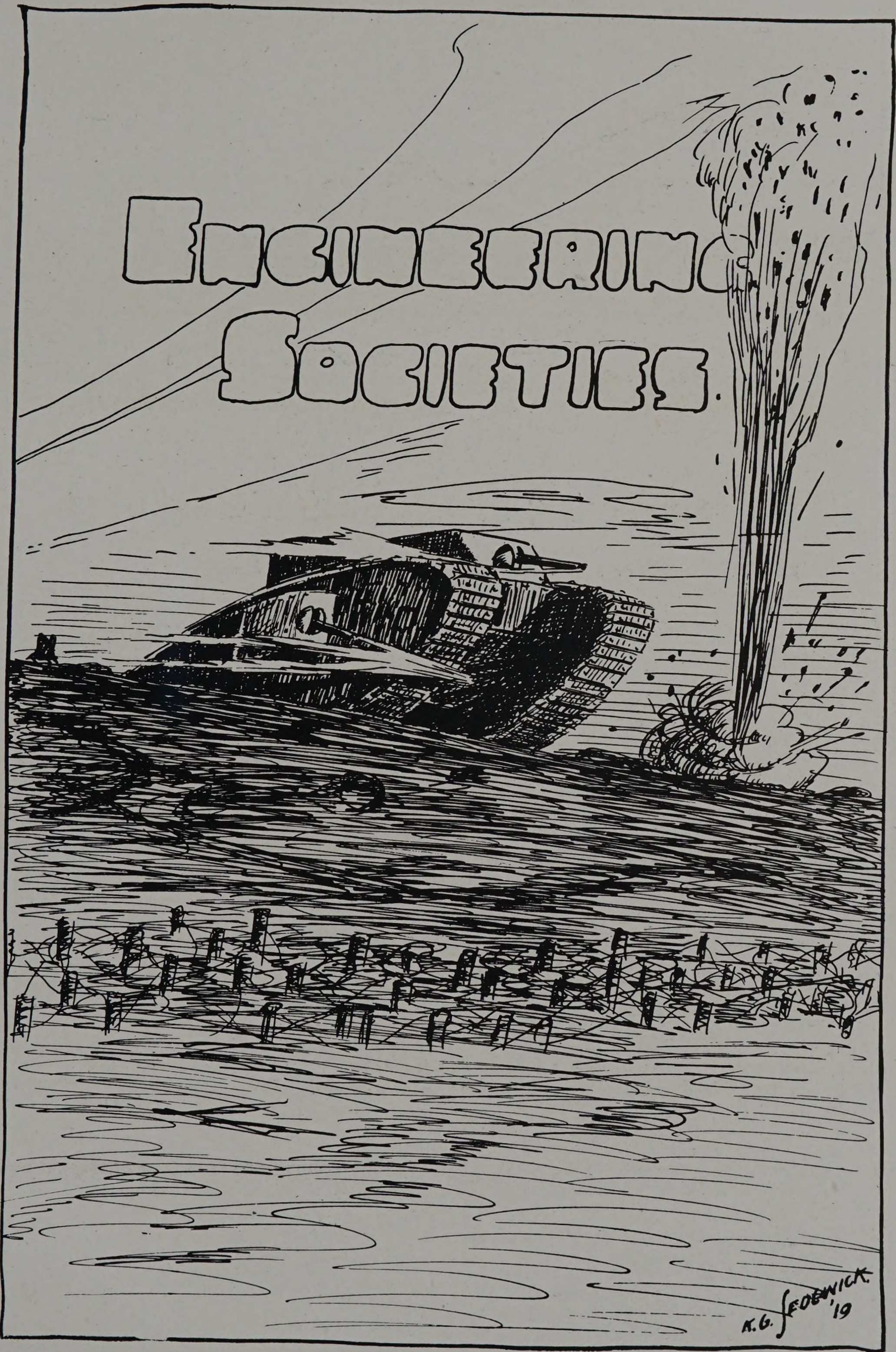
At the beginning of each school year the Y. M. C. A. issues a hand-book which is looked forward to by every student. Early in the school year the Freshman Handshake is held by the Y. M. C. A. where the freshmen may become better acquainted with their upper class men.

The Freshman Handshake

THIS annual event, given by the Armour Y. M. C. A. has become a custom so strong that even war could not interfere with its occurrence. The purpose of the handshake is to get the men of all classes together, so that they may become better acquainted with each other. On this evening the upper classmen join in extending a hearty welcome to the new men, and endeavor to make them feel at home amidst their new surroundings, and not to demonstrate their superiority as is expected by many of the more cautious members of the Freshman Class. This year's handshake was held in the cozy and attractive rooms of the Hyde Park Y. M. C. A., September 27, 1918, a date later than is the custom; nevertheless, this did not detract from its success.

The handshake this year was attended with more enthusiasm than probably ever before, not only because it was the first Armour function of the year, but also because it took place only a few days before a great change would occur in the life of every man in the college; the change from civil to military life. There was a rumor current that a captain, yes, a *real* captain would speak to the men on this occasion, and the sight of a real captain was alone quite a curiosity, particularly to the new men. Consequently, the auditorium of the Hyde Park Y. M. C. A. was crowded on this evening, and when Captain Kannally took the floor there was a death-like silence in that large hall, and many bulging eyes and open mouths. Captain Kannally in his address outlined the program of the S. A. T. C. stating the hours for drill and study, the boundaries of the post, and many other points that each man later learned so well. You could hear the dropping of the hearts of the men when he remarked that the uniforms had not arrived, but that he had hopes of their coming by the time the unit was organized, or shortly after. One thing that the captain accomplished that evening was to change the opinion of the men, in that, the military unit would be accompanied by strict discipline, with every minute occupied, and not an affair of fun and frolic such as a summer outing. Another speaker of the evening was a Y. M. C. A. man just returned from over seas, who held the interest of the men by many thrilling experiences, clever jokes, and amusing stories which all Y. M. C. A. men are so capable of telling. It was also on this evening that the men first met Mr. Frazer, the new war secretary for the Armour Y. M. C. A. He told the men of what he hoped to do, but after Captain Kannally's speech he stated that he did not know when he would have time to do it. However, Mr. Frazer did more than he told the men of, because his work at Armour was a profound success, and it was he who brought sunshine in the hearts of the men when the hours seemed darkest, and he made the "Y" rooms in Chapin Hall as homelike as possible to the complete satisfaction of all.

The remainder of the evening was occupied by swimming, informal basket ball games, billiards, chess and other indoor games. Besides these attractions there was the lunch room where there was a crowd all evening. Here were barrels of cider, and boxes of cakes, cookies, and doughnuts in abundance. These things so appealed to some that they did not disband until the lights were being turned low.



K.G. FODENWICK
19



American Society of Mechanical Engineers

PROF. G. F. GEBHARDT	<i>Honorary Chairman</i>
H. F. REHFELDT	<i>President</i>
J. A. KEETH	<i>Vice-President</i>
HAROLD G. ANDERSON	<i>Secretary</i>
C. CARLSON	<i>Treasurer</i>

The success of the society in the last year was largely due to the adoption of the suggestion of Prof. Gebhardt. Prof. Gebhardt at our opening meeting urged that the fundamental purpose of the engineering society was to give every member an opportunity of talking before the body, so that the members might obtain practice in presenting their subjects in brief but concise terms. The members decided, therefore, to carry out this idea throughout the year; and all agree that it is a most valuable opportunity.

The first meeting of the 1919 year was held January 8. A great deal of business was transacted and plans were made for the coming year. It was also decided to give a smoker January 14, 1919, in the Y. M. C. A. rooms, to which all the Mechanical Engineering Students should be invited.

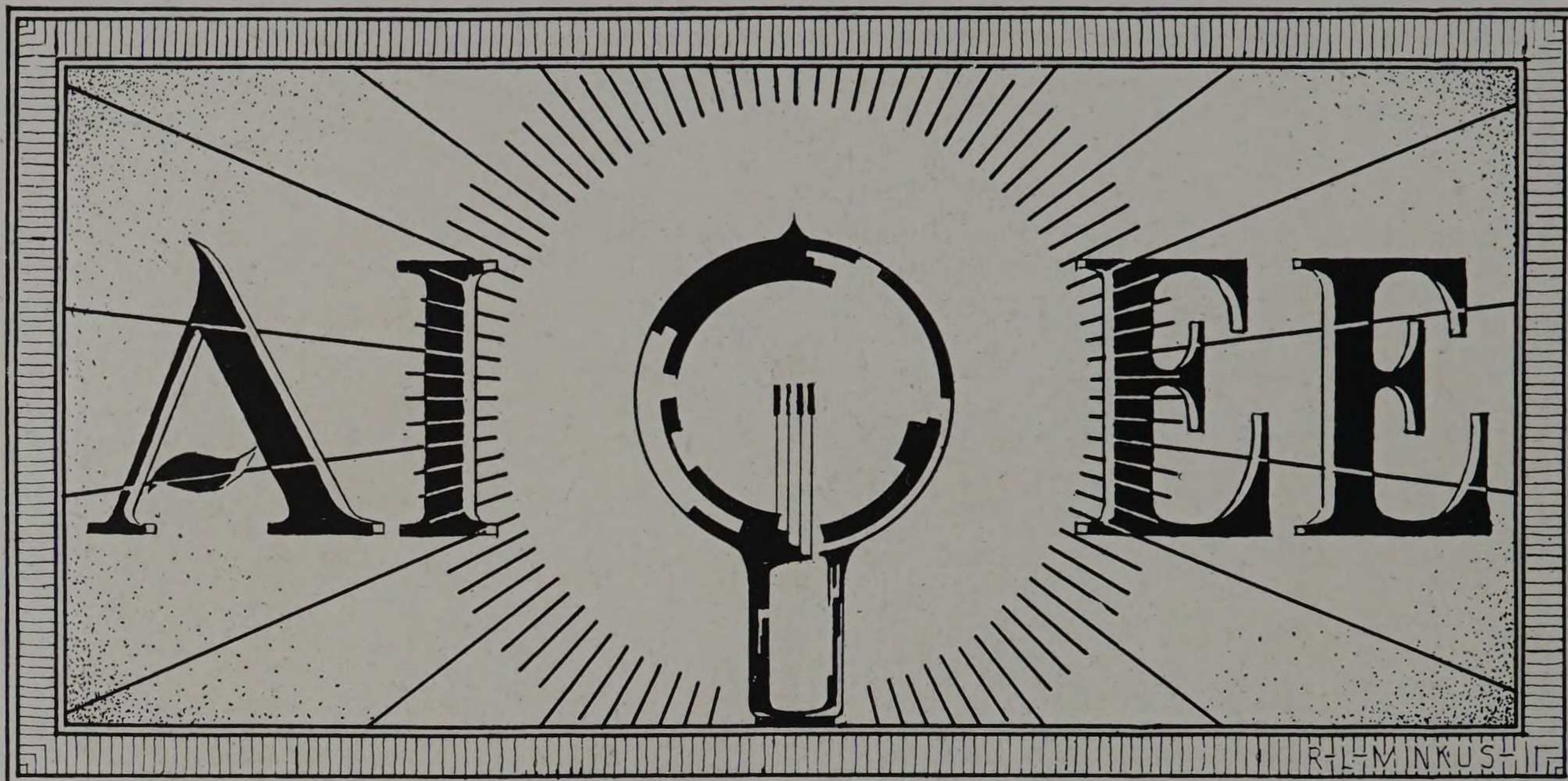
The smoker proved a great success. We all enjoyed the high class entertainment furnished by the Mechanics' Jazz Band. Short talks were given by all the Professors present, to enlighten the under classmen on the purpose of the Student A. S. M. E.

The meetings following have been held semi-monthly on the second and fourth Tuesday of the month. Among the many speakers and subjects presented, the following are of special note: Mr. Regansburger, "The Steam Turbine"; Mr. Keeth, "Steam Engine Repair Work"; Mr. Brady, "Oil Testing"; Mr. Rehfeldt, "Method of Drying Wall Paper"; Mr. Carlson, "Flow of Water Through Orifices"; Mr. Jackson, "Testing of Metals."

On the evening of February 17, 1919, Prof. Daniel E. Roesch addressed the society on the subject of "High Compression Engines." He took up in detail all the principal parts of the Diesel and Hvid engines. The advantages and disadvantages of each were brought out by Prof. Roesch. It was a very interesting talk and all those present benefited greatly by it.



Top Row: GOTTIEB, PETERSON, COOK, HAVLICK, CHAPIN. *Middle Row:* REHFELDT, ANDERSON, MARKS, KEETH, CARLSON, PETERSON. *Bottom Row:* ERICKSON, BREADY, GREENSPAUN, DAVIES, WONG, GAIL.



Armour Institute of Technology

Branch of the

American Institute of Electrical Engineers

The work of the Armour Institute of Technology Branch of the American Institute of Electrical Engineers has been greatly hampered this year due to the interference of the military organization at the school. Since demobilization three meetings have been held, and an effort has been made to increase the activities of the Branch.

The chief aim of the Branch this spring has been to increase the interest of the engineering students of the Electrical Department in the work of the parent organization; and to introduce to them the broader aspects of the profession by bringing prominent speakers before them. The Branch has also made use of the illustrated lecture service which is maintained by the Publication Bureau of the General Electric Company.

The following meetings have been held:

October 3, 1918. A business meeting at which the officers were elected.

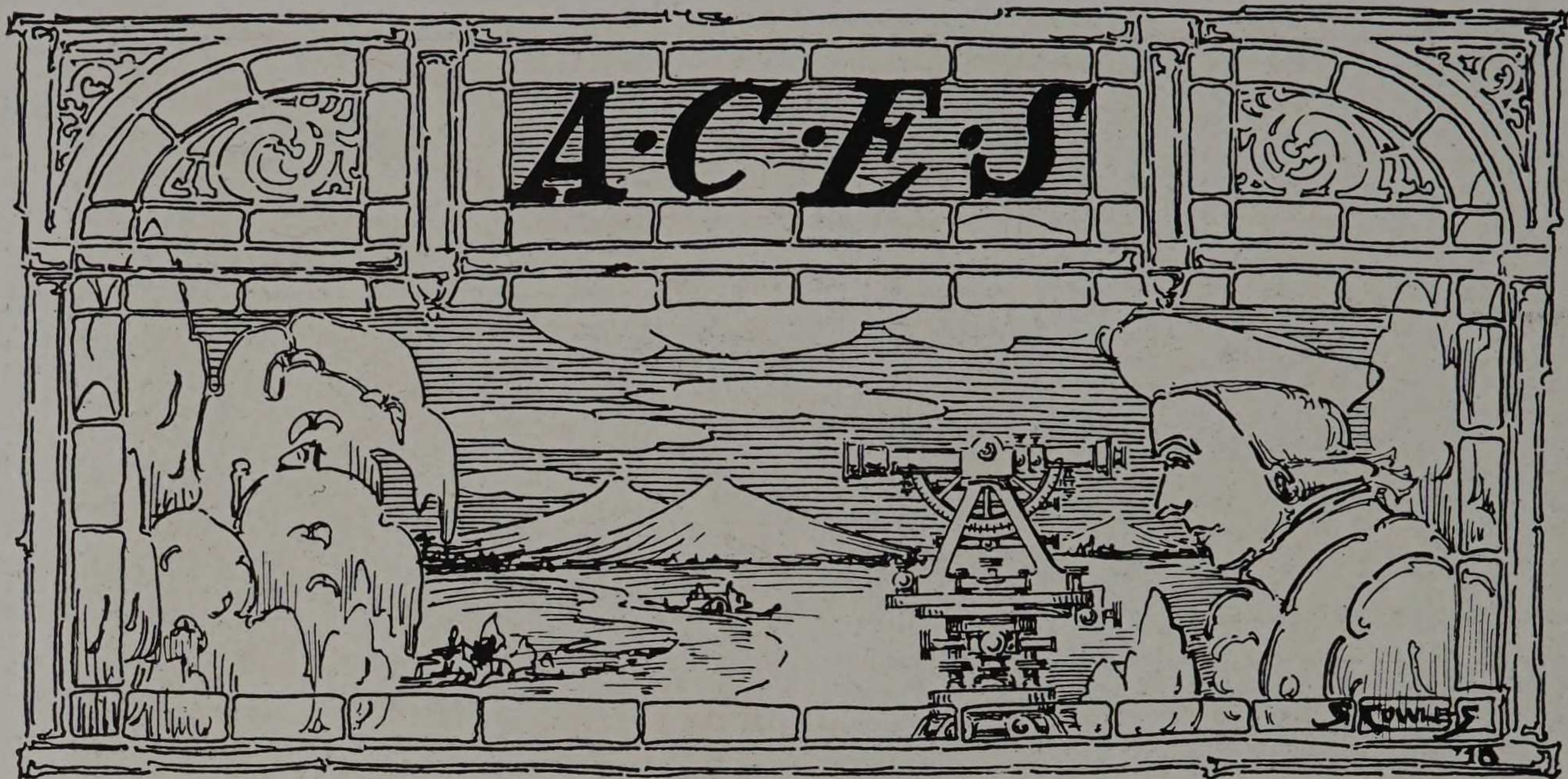
January 13, 1919. A business meeting at which plans for the work of the Branch were formulated.

February 20, 1919. Mr. Chas. H. Jones, "Automatic Substations."

March 13, 1919. This was a joint meeting of the Branch and the A. S. M. E. "The Message of the Curtiss Steam Turbine", an illustrated lecture from the General Electric Company was read by the Secretary.



Top Row: HUTH, GRILL, HAYDEN, ARNOLD, JOSLYN, GREENBERG, SEYFERLICH. *Middle Row:* ROURKE, BACON, GELDMEIER, VEREMIS, RENSCH, THROOP, PETZING, ALBEE. *Bottom Row:* GRANT, DOBERSTEIN, PIERCE, SUGARMAN, MALPEDE, ILLG, SCHEUER.



Armour Civil Engineering Society

MARION E. SHAW	President
CARL L. GOLD	Vice-President
EMIL DASING	Treasurer
IRVING M. ENGH	Corresponding and Recording Secretary

BOARD OF DIRECTORS

PROF. MELVILLE B. WELLS	Faculty Member
FRED A. HERTWIG	Student Member

It seems very fitting at this time to devote a greater part of the space in the cycle given to the Armour Civil Engineering Society in honor and acknowledgment of the completion of twenty years of service at the Armour Institute of Technology by Prof. Alfred Edward Phillips.

Prof. Phillips has put into the Armour Institute of Technology and into the lives of the boys, twenty of the best years of his life, with all that means of painstaking labor, continuous study, struggle and heartache. Only a man of strong brain and big heart can carry to successful conclusion the tasks that have been placed upon his shoulders. The Armour Institute of Technology can never fully know its debt to him for the inspiration and uplift that have been built into the characters of the young men who have passed under his influence during these twenty years.

The period of Prof. Phillips' service has been the most critical in all the history of college administration in all parts of the country. The demands for changes in the course of study, the changes of conditions in the engineering world, have all contributed to render the work of head of a department of civil engineering exceedingly difficult. To meet these problems and solve them in such a manner as to bring about the best results, is a task of no small dimensions. The present status of our civil engineering graduates is evidence that this task has been accomplished.

On account of the war courses at Armour the Civil Society has been practically inactive for the year 1918-1919. The first meeting of the year was held in the Civil Department March 24, 1919. The business of the meeting was to elect officers. The following men were elected to the offices: President, Marion E. Shaw; Vice-President, Carl L. Gold; Treasurer, Emil Dasing; Corresponding and Recording Secretary, Irving M. Engh.

The Armour Civil Engineering Society is endeavoring to affiliate itself with the Western Society of Engineers, by encouraging its members to take out student memberships in the society. There are now at least seventy-five per cent of the Civil Society members who are already members, or who have their applications in for memberships in the Western Society of Engineers.

We are contemplating holding a banquet for the Civil Society members, in connection with our annual meeting. The present Juniors who will be Seniors next year, are going to start things off early in the year for the Civil Society, and have a big and profitable year. We wish them many big things and much success in attaining this end.

IRVING M. ENGH,
*Corresponding and Recording Secretary
Armour Civil Engineering Society*



Top Row: FAINSTEIN, ANNING, MATSON, HAMMERMAN. *Middle Row:* DASING, GOLD, PENN, PHILLIPS, WELLS, SHAW, ENGH.
Bottom Row: FRANK, GRAMMAS, POSSIALIS, HERTWIG, ANDERSON, STEIN.



The Armour Architectural Society

SPENCER COWLES	President
ALFRED T. SCHIMECK	Secretary
LEN A. GLIATO	Treasurer
WILLIAM E. DADY	Purchasing Agent

The A. A. S., like all other patriotic organizations, did its bit to lick old "Bill," and in doing so underwent harsh treatment under the regime of the S. A. T. C. It was not until the latter part of January when the old men, who had been in service, came back to finish up, that the Society got back to its own.

When Cowles got back and was elected President, and Dady returned and took up his duties as P. A. things began to hum and they have been humming ever since. The ever popular Architects Informals re-appeared and the social life of the Institute began to flourish.

If you will only look at the Honor Roll out at Armour you will realize why it is that the Archi are so proud of their service record. If numbers and rank mean anything to you, you will get the reason very quickly. Of the men who have been in regular service and are back at school we have five Lieutenants and an Ensign (a gold striper, too), as well as our Gob, Harry L., who for the last eighteen months, has been entertaining the women of Charleston, S. C.

Next to the Prize Problem, which we are working on now, our greatest task of the year was the decoration of the main staircase for the Mardi Gras held March 4th. It was SOME piece of work, take it from one who knows. In former years we helped and received little or no credit. This year we did the whole thing, even to the pageant, which was written by our "E. H. R." That bit of construction at a dizzy height was enough to make any engineer envious. With Patricia, our chief electrician, back to take care of the lighting, and Dad and the Gob to see to the construction and Eric, Som and Shemi to look after the designs we were able to do a real nifty job of it. Was it a success? Ask any of the trustees of the Art Institute.

Immediately after the Mardi Gras came the initiation and banquet. We Archi always have believed that, "In union there is strength," and every man in the Architectural Department is a member of the A. A. S. Even "Som," who leaves in May, came through and joined though perhaps it was because of the two honorary members—Coeds! We leave it to the initiator whether they were received warmly. As for the banquet it was a credit to any mother's son, and Eric sure knows what comprises a good feed. The talk on Landscape Architecture by Mr. Jens Jensen was unusually interesting. Now that the Lenten season is over, Eric is planning on another smoker and that social event of the season—The Architects' Dance.

"Come seven, go eleven," means a heap to us Archs, only there were about thirty who came and eleven who will be going the last of May. It sure was some bunch of ginks that paraded down Michigan Avenue that bright sunshiny day in September, 1915.

DADY, '19
Pres. Rep.

ENGINEERING SOCIETIES





Armour Chemical Engineering Society

A. E. MAITRE	<i>President</i>
J. B. WILBOR	<i>Vice-President</i>
WM. McCAULEY	<i>Secretary</i>
WM. MENDIUS	<i>Treasurer</i>

The A. Ch. E. S. though organized did not have the usual amount of activities which heretofore had characterized this organization.

At the beginning of this school year we lost both Profs. Tibbals and Freud, who each had accepted a captaincy, Prof. Tibbals in the Ordnance Department, doing research work, and Prof. Freud in the Chemical Warfare Service, A. E. F. Both have always been very active in the affairs of this society, and our comparative inactivity is largely due to their absence. Prof. Freud has returned to school for the second semester, and rumor has it that Prof. Tibbals will be back before the next year starts.

Our school work too, has been exceptionally heavy. It had been customary for us to hold our meetings during the afternoon, but we felt that we should rather give up these regular meetings so that we could finish our requisite subjects. Then too, the evening hours were not the most suitable in which to hold meetings as we could not attend in sufficient numbers. You will probably notice the absence of the A. Ch. E. S. photograph. This is caused by our inability to attend in sufficient numbers to warrant having a picture taken, not by our unwillingness.

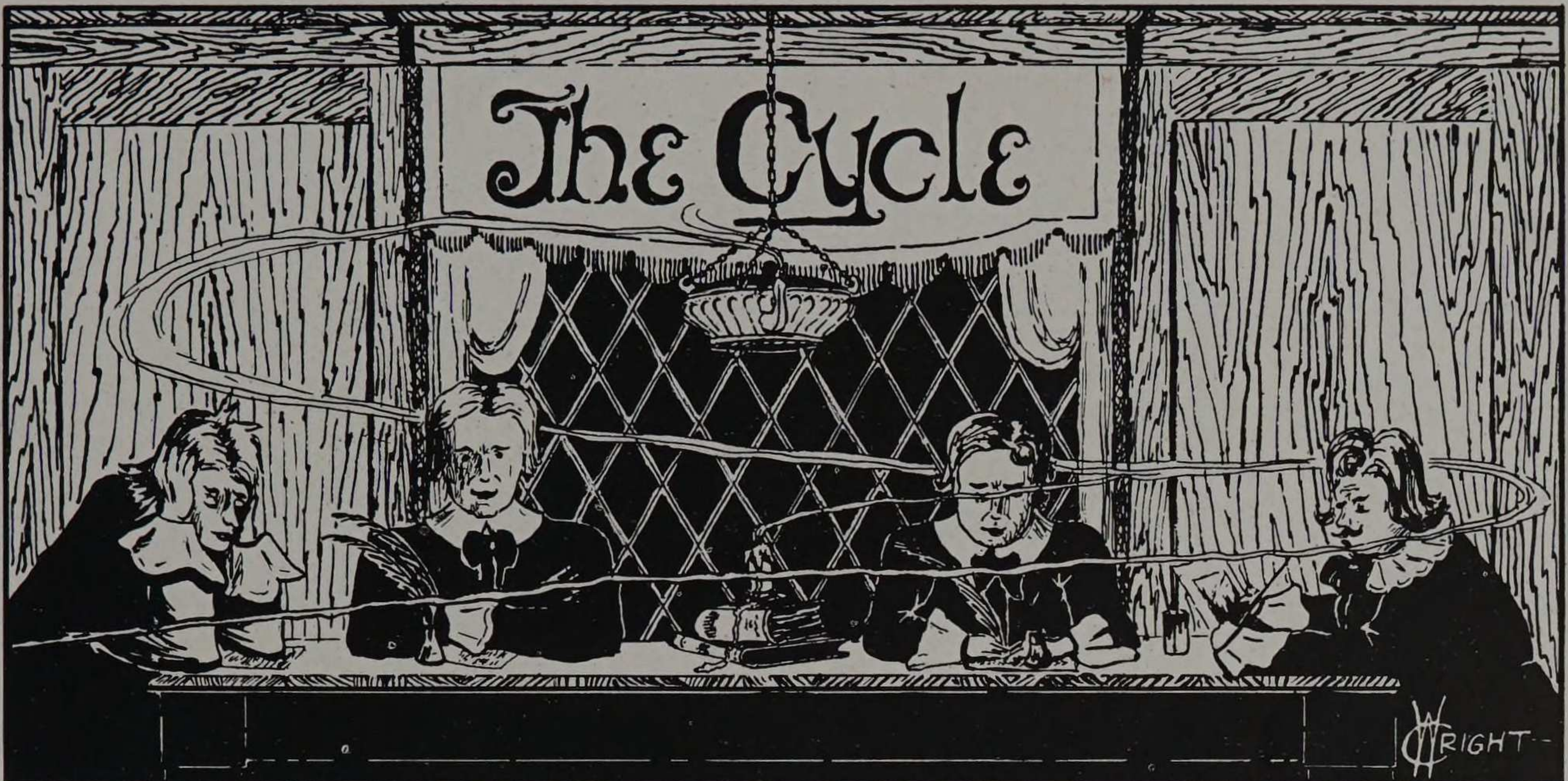
Let it be borne in mind that the A. Ch. E. S. is not a dead society. Just watch us next year and see what we can do.





W. N. ERICKSON
W. J. CHAPIN

E. C. COOK
T. W. HALL



The Cycle, 1919

ELLIS C. COOK	<i>Editor-in-Chief</i>
WM. J. CHAPIN	<i>Business Manager</i>
W. N. ERICKSON	<i>Advertising Manager</i>
THOMAS W. HALL	<i>Managing Editor</i>

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RICHARD REGENSBURGER	<i>Organizations</i>
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M. E. SHAW	<i>Senior Class Representative</i>
ROBERT VAN VALZAH	<i>Sophomore Class Representative</i>
RUSSELL A. MERZ	<i>Freshman Class Representative</i>
PERICLES GRAMMAS	<i>Photography</i>

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F. SPENCER COWLES	JOHN DE MUTH



REGENSBURGER, BREADY, ILLG, CARDWELL, ADAM, ANDERSON, PETERSON, GRAMMAS, HERTWIG,
SEYFERLICH, VAN VALZAH, MERZ, SHAW.



THE greatest of all wars has been staged and has been brought to a victorious finish. We have had our Liberty and Victory Loans, parades, volunteer drives and drafts, Red Cross and Charity campaigns, and other results of the war too numerous to remember. Before this country and the other nations which were at war lie the problems of reconstruction and the resumption of pre-war activities that were discontinued in order to make room for the necessities of war. During the first part of the 1918-1919 school year the publication of the Cycle was indefinitely suspended as one of the things deemed unnecessary in the military life at Armour Institute, but with the signing of the Armistice Armour quickly changed back to civil life and work on the 1919 Cycle commenced.

In the past year the most important and outstanding feature of the work here was the installation of the Army and Navy units of the S. A. T. C. and it is for this reason, and the fact that a number of the many who entered the services of our Country gloriously made the supreme sacrifice, that the Cycle has taken on a distinctly military aspect. To many, it is hoped that this issue will serve as a reminder of not only the military but the scholastic, athletic, and social activities that have been carried on during this eventful year.

To the William Louis Koehne Studio, the Jahn & Ollier Engraving Co., and The Faithorn Co. we wish to express our appreciation for the help and hearty co-operation which they have shown in the making of the Cycle.

A great deal of the success is due to the following to whom the 1919 Cycle staff wishes to express its appreciation for the support and encouragement they have given.

DR. F. W. GUNSAULUS
DEAN H. W. RAYMOND
DEAN L. C. MONIN

MR. F. U. SMITH
PROF. G. L. SCHERGER
MRS. JULIA BEVERIDGE
PROF. W. K. SMART

Thoroughness

MEN attain success by means of various capabilities and aptitudes, but there is one trait which is never lacking in the truly successful—**thoroughness**.

It is well for us to remember this simple truth as a sort of New Year's reminder. Many of us have need to check ourselves up, again and again, with the query: "Are we thorough in the things we do?"

The world is full of people who never think their own thoughts to conclusion; who never do anything quite as well as they are really able to do it. Their information is faulty, their reasoning and planning are slipshod and their work always shows marks of more or less carelessness and incompleteness.

They "get by," many of them, but they never **move forward** as they might. And they miss the satisfaction and pleasure which should constitute one of the most gratifying rewards to anyone engaged in serious occupation. There is a premium in the business world on the man who does things well—with completeness and finality. He is the man who can be trusted with more and more responsibility, up to the limit of his native capacity.

The Armour Organization is a wonderful field in which to practice with advantage, the trait of thoroughness. It is an organization that is large and diversified and it depends much on each individual's initiative. There are many places where waste, loss or error may creep in. They must be detected by someone's watchfulness and care. There are possibilities of overlooking fertile fields for betterment or larger trade. Somebody's wholehearted alertness must be the means of discovering these fields and of cultivating them.

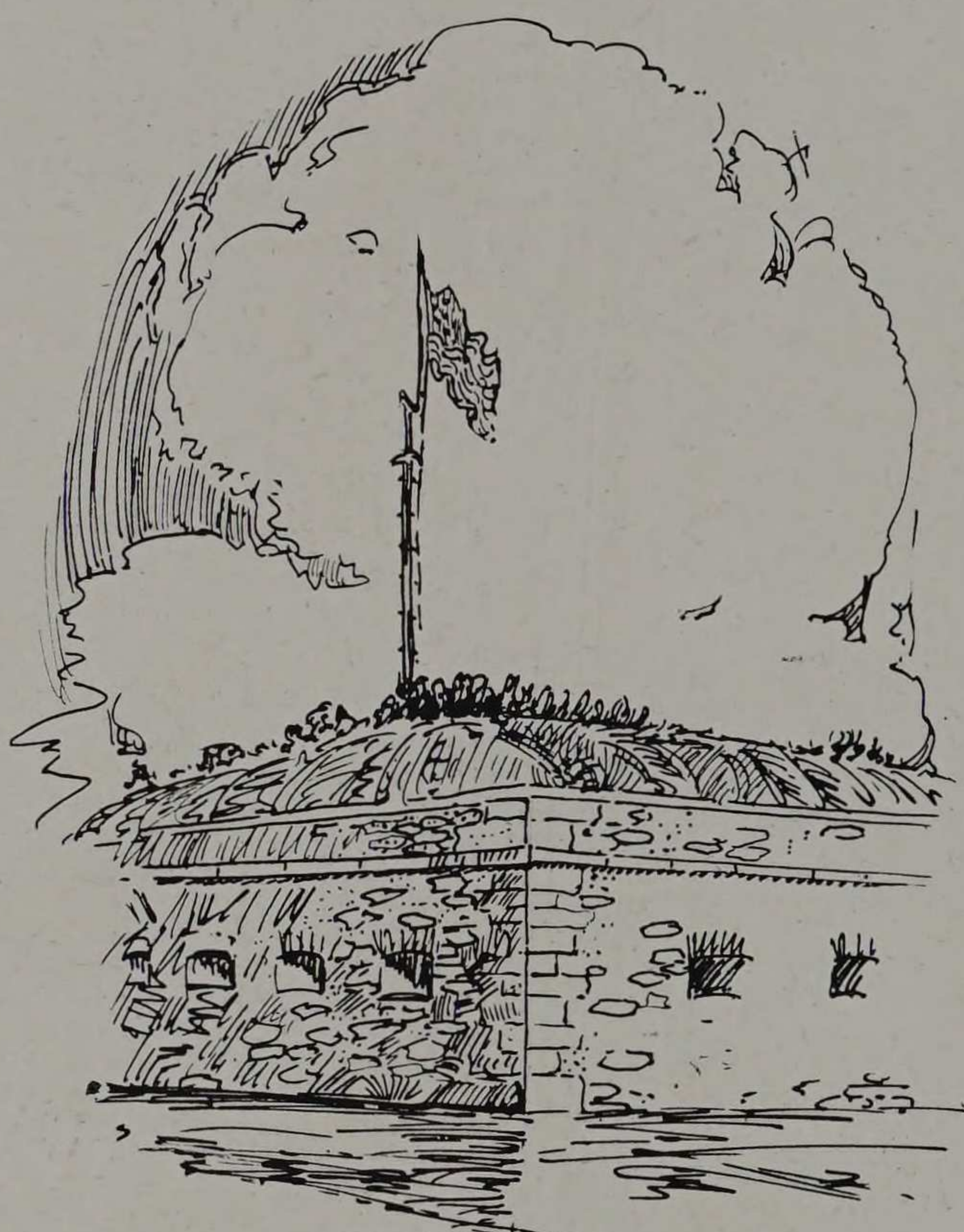
What, then, must, of necessity, be the human characteristic that is at premium in an organization like our own? Nothing other than the good old-fashioned virtue of doing things thoroughly, and not leaving them partly undone.

The man who informs himself adequately about his House, its methods and policies, its products; who keeps his mind keyed to the opportunities which lie within his own province; and who does his work so well that it needs no correcting or supplementing by someone else—such a man is on the surest, safest and shortest highway to success that has ever been discovered by anyone.

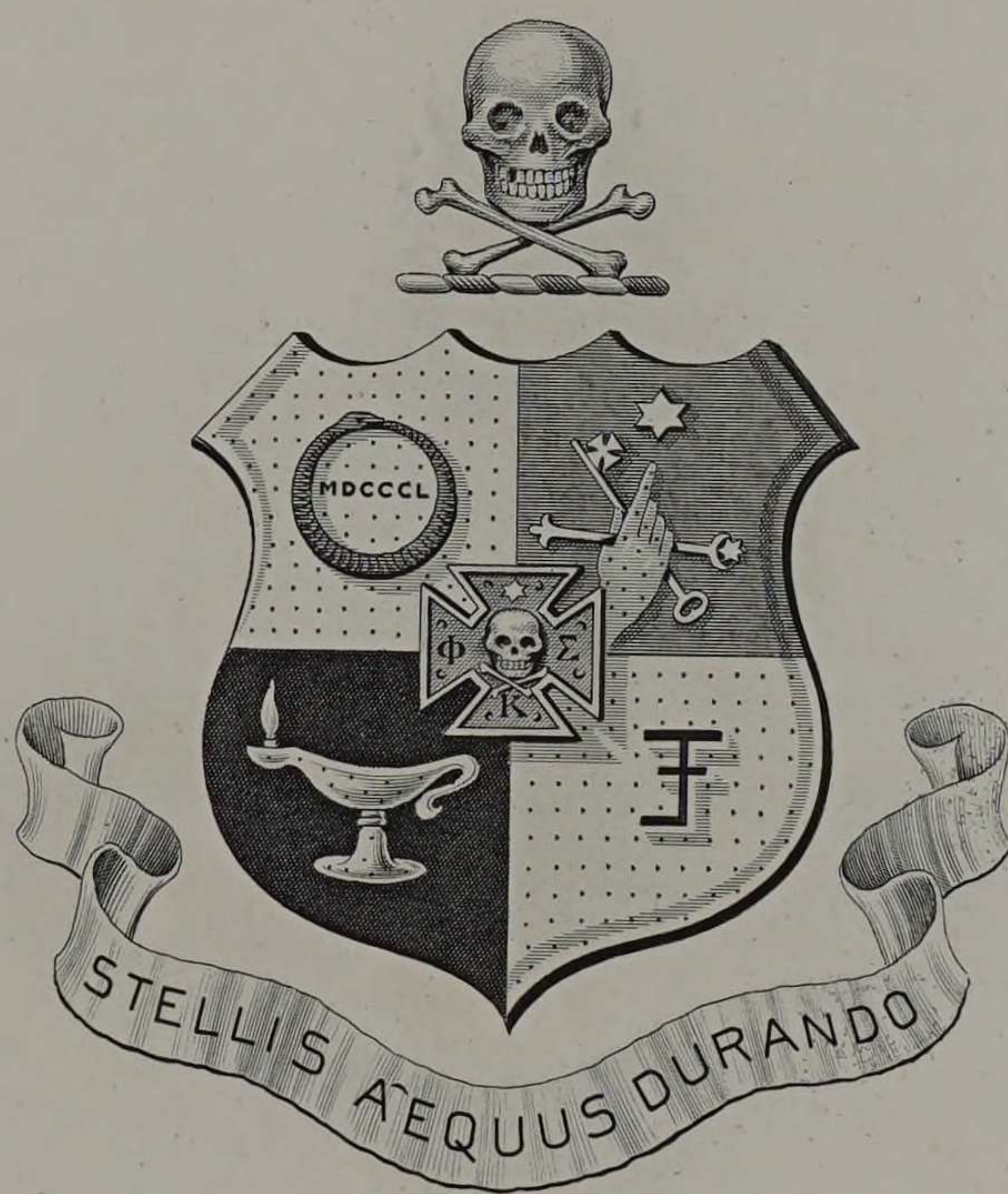
—J. OGDEN ARMOUR.

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The Moat
H. Monroe, Va.
12-5-1855
Candidate A. Erickson



Dreka, Phila.
Design Patent applied for

Phi Kappa Sigma

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CHAPTER ROLL

<i>Alpha</i> 1850	UNIVERSITY OF PENNSYLVANIA
<i>Delta</i> 1854	WASHINGTON AND JEFFERSON
<i>Epsilon</i> 1854	DICKINSON COLLEGE
<i>Zeta</i> 1854	FRANKLIN AND MARSHALL COLLEGE
<i>Eta</i> 1854	UNIVERSITY OF VIRGINIA
<i>Mu</i> 1858	TULANE UNIVERSITY
<i>Rho</i> 1892	UNIVERSITY OF ILLINOIS
<i>Tau</i> 1872	RANDOLPH-MACON COLLEGE
<i>Upsilon</i> 1872	NORTHWESTERN UNIVERSITY
<i>Phi</i> 1873	RICHMOND COLLEGE
<i>Psi</i> 1891	PENNSYLVANIA STATE COLLEGE
<i>Alpha-Alpha</i> 1872	WASHINGTON AND LEE UNIVERSITY
<i>Alpha Gamma</i> 1896	UNIVERSITY OF WEST VIRGINIA
<i>Alpha Delta</i> 1898	UNIVERSITY OF MAINE
<i>Alpha Epsilon</i> 1898	ARMOUR INSTITUTE OF TECHNOLOGY
<i>Alpha Zeta</i> 1899	UNIVERSITY OF MARYLAND
<i>Alpha Theta</i> 1901	UNIVERSITY OF WISCONSIN
<i>Alpha Iota</i> 1902	VANDERBILT UNIVERSITY
<i>Alpha Kappa</i> 1903	UNIVERSITY OF ALABAMA
<i>Alpha Lambda</i> 1903	UNIVERSITY OF CALIFORNIA
<i>Alpha Mu</i> 1903	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
<i>Alpha Nu</i> 1904	GEORGIA SCHOOL OF TECHNOLOGY
<i>Alpha Xi</i> 1905	PURDUE UNIVERSITY
<i>Alpha Omicron</i> 1905	UNIVERSITY OF CHICAGO
<i>Alpha Pi</i> 1906	CORNELL UNIVERSITY
<i>Alpha Rho</i> 1911	CORNELL UNIVERSITY
<i>Alpha Sigma</i> 1915	UNIVERSITY OF MINNESOTA
<i>Alpha Tau</i> 1915	LELAND STANFORD, JR. UNIVERSITY



Phi Kappa Sigma

...

ALPHA EPSILON CHAPTER

Chartered June 8th, 1898

1920

L. E. JONES
E. M. MATSON
J. L. ANNING
F. P. MacDONALD

ARTHUR LYON
L. K. CARDWELL
JOSEPH KARLSON
WM. O'CONNOR

1921

C. H. BOCKMAN
T. C. SEDGWICK
N. H. ERLANDSON

J. LAWRENCE
W. J. LEWIS
W. E. GIESLER

1922

S. R. WILLIAMS

H. EVANS

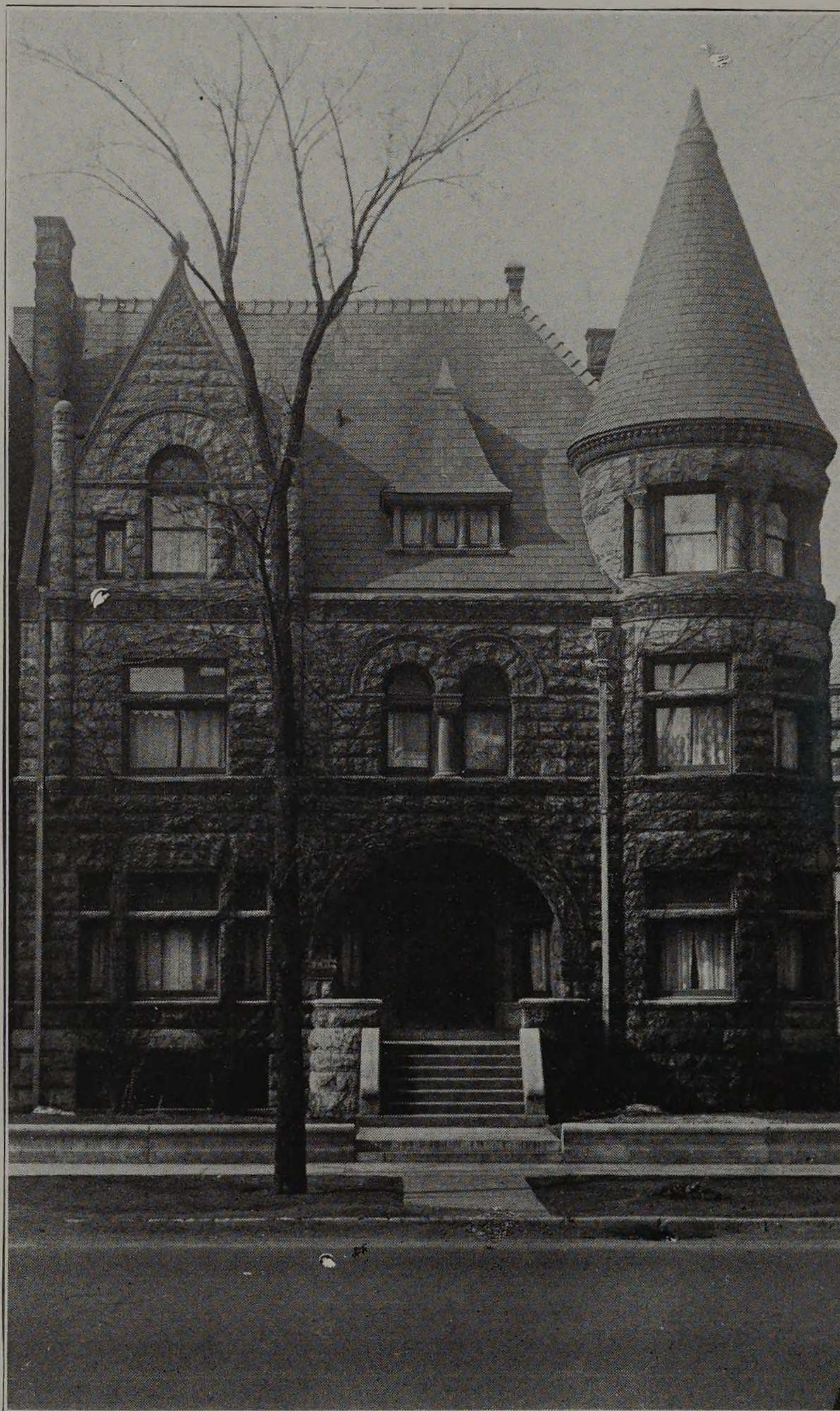
K. SEDGWICK

Fratres in Facutate

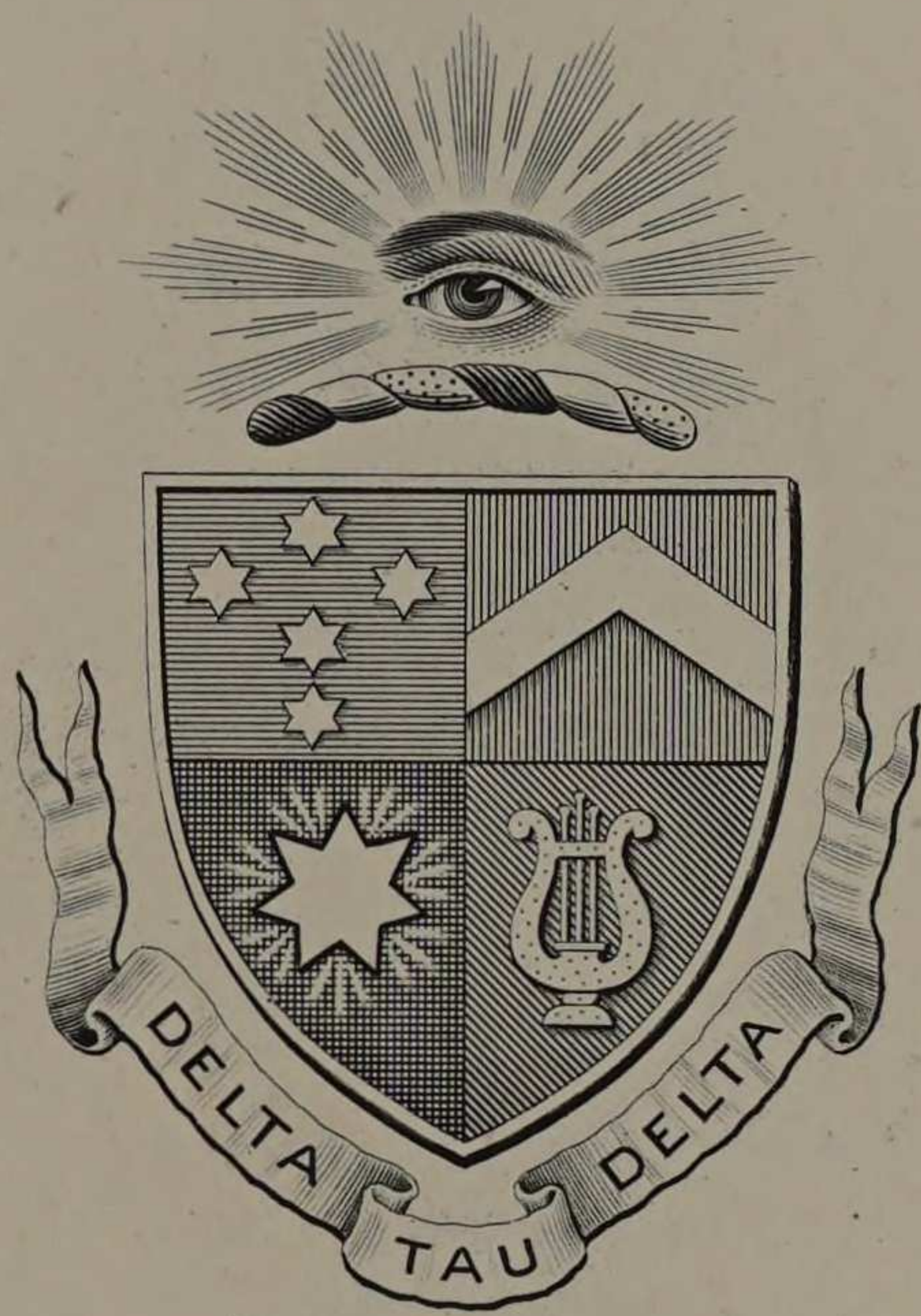
J. SCHOMMER



Top Row: MATSON, LAWRENCE, MacDONALD. *Middle Row:* ANNING, JONES, LYON, CARDWELL, O'CONNOR.
Bottom Row: K. SEDGWICK, T. SEDGWICK, WILLIAMS, EVANS.



Phi Kappa Sigma House



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Frank F. Rogers
1908

Dreka, Phila.

Delta Tau Delta

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Founded at Bethany College in 1859

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Delta Tau Delta

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Chartered May 10th, 1901

1919

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1920

JOHN EDWARDS ALEXANDER

ALFRED WILLIAM FOLEY

WILLIAM NOLING ERICKSON

EARLE KENDRICK ZINN

1921

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JAMES CARDWELL CARSON

HERMAN RICHARD HUTH

WILLIAM KIMBALL LYON

EMIL WILLIAM PFAFFLIN

CHARLES TAYLOR WALTER

EMIL FRANK WINTER

HAROLD LOUIS WOODS

1922

ROBERT REGINALD MAGUIRE

Pledges

ORLANDO HERBERT ALGER

ALFRED ALBERTUS DAVIS

STUART McENTEE

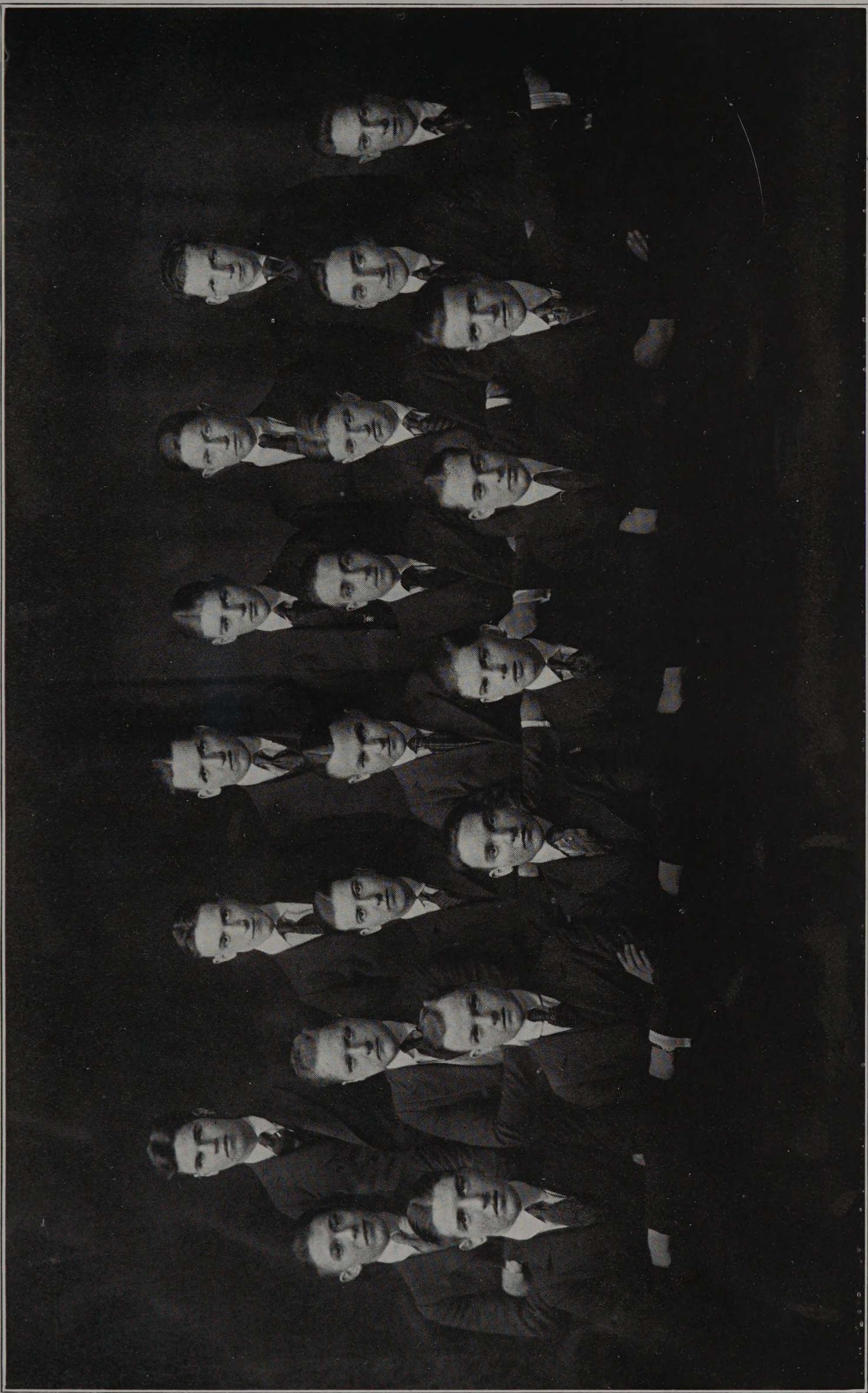
WALLACE TAYLOR GRAY

GEORGE HENRY MEILINGER

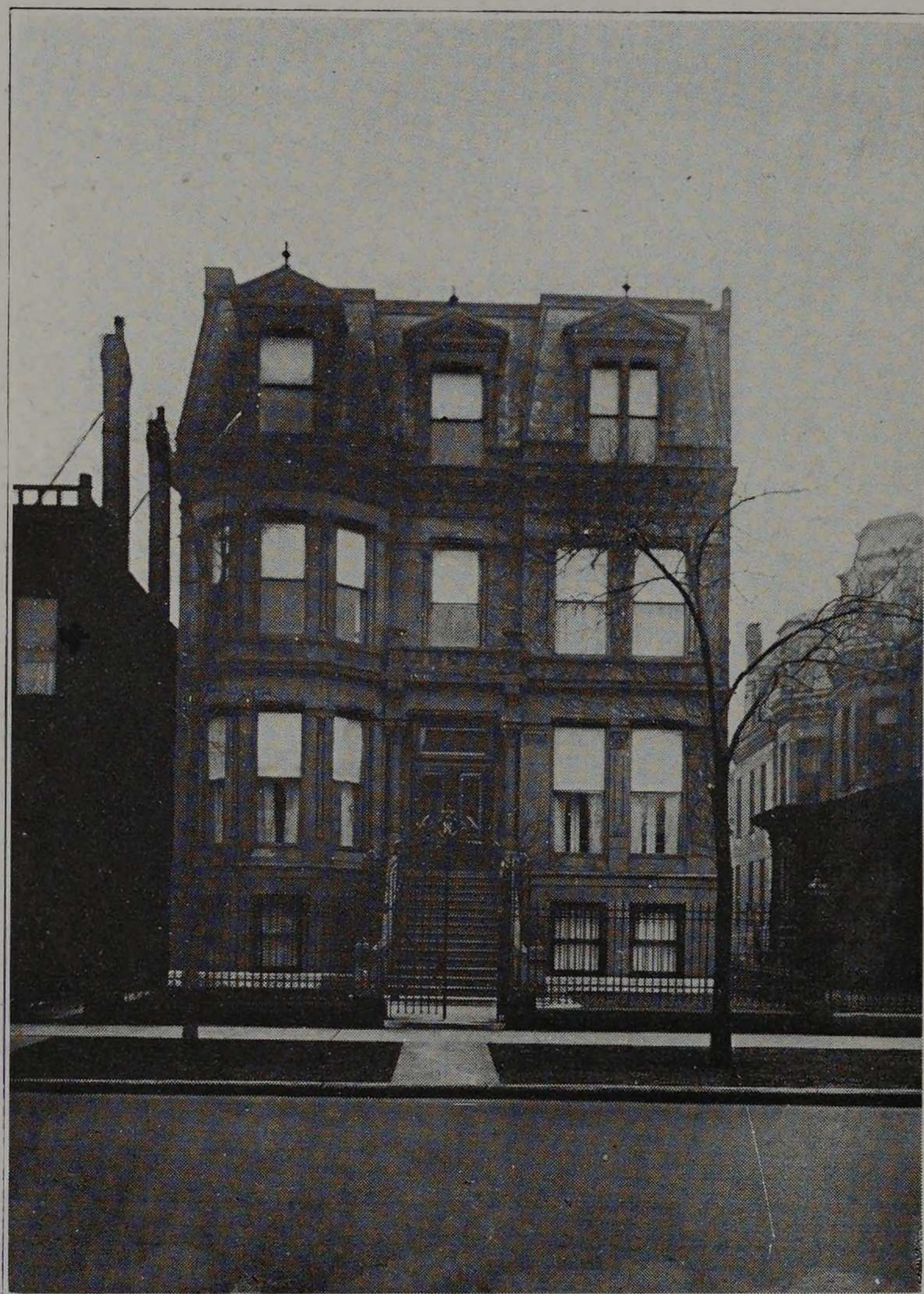
JOHN HOFFMAN-PINTHER

EDWIN GEORGE WALKER

HARRY STANDEN VANDERBIE



Top Row: MAGUIRE, LYONS, WILBOR, BISSELL, WOODS, SHORT. *Middle Row:* WINTERS, ALEXANDER, FOLEY, PFAFFLIN, WALTER, CARSON, ERICKSON, HUTH. *Bottom Row:* McENTTY, WALKER, GRAY, DAVIS, VANDERBEE, ALGER.



Delta Tau Delta House



T A H

Tau Beta Pi

...

BETA CHAPTER OF ILLINOIS

Chartered April 6th, 1906

...

Faculty Members

E. H. FREEMAN, Armour, '02	H. L. NACHMAN, Armour, '02
P. C. HUNTLY, Arkansas, '10	J. C. PEEBLES, Armour, '04
W. H. LAUTZ, Armour, '13	J. C. PENN, Armour, '05
C. W. LEIGH, Illinois, '87	R. V. PERRY, Armour, '97
E. S. LIBBY, Armour, '02	J. V. RICHARDS, Illinois, '10
D. P. MORETON, Armour, '06	DANIEL ROESCH, Armour, '04
M. B. WELLS, Purdue, '94	K. H. READ, Lehigh, '15

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 A. E. PHILLIPS, Professor of Civil Engineering
 G. F. GEBHARDT, Professor of Mechanical Engineering
 HARRY McCORMACK, Professor of Chemical Engineering

1919

WILLIAM MENDIUS	A. E. MAITRE
RAYMOND O. JOSLYN	R. H. RENSCH
HUBERT F. REHFELDT	M. E. SHAW
FREDERICK H. TRASK	M. C. VEREMIS
HAROLD G. ANDERSON	J. B. WILBOR
E. H. ARNOLD	M. M. WILSON
I. M. ENGH	L. C. GOLD
	J. A. KEETH

1920

P. J. ADAM	E. C. COOK
L. K. CARDWELL	W. T. McCAULEY
	A. R. THROOP

FRATERNITIES



Top Row: ARNOLD, RENSCH, ENGH, ANDERSON. *Middle Row:* REHFELDT, TRASK, MENDIUS, JOSLYN, COWLES.
Bottom Row: ADAM, SHAW, GOLD, KEETH, MAITRE, VEREMIS.

Tau Beta Pi

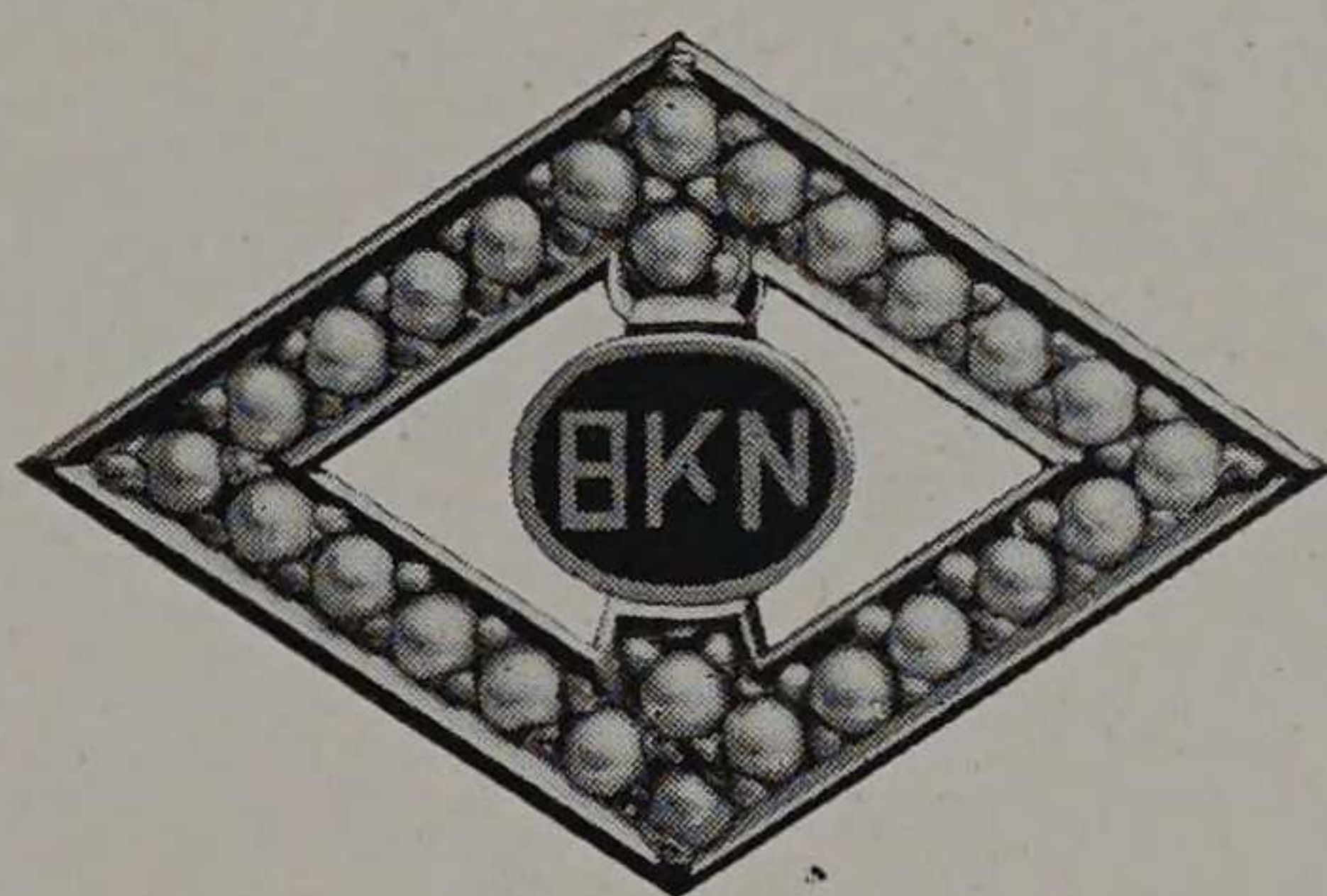
Founded at Lehigh University in 1885

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CHAPTER ROLL

<i>Lehigh University 1885</i>	ALPHA OF PENNSYLVANIA
<i>Michigan Agricultural College 1892</i>	ALPHA OF MICHIGAN
<i>Purdue University 1893</i>	ALPHA OF INDIANA
<i>Stevens Institute of Technology 1896</i>	ALPHA OF NEW JERSEY
<i>University of Illinois 1897</i>	ALPHA OF ILLINOIS
<i>University of Wisconsin 1899</i>	ALPHA OF WISCONSIN
<i>Case School of Applied Science 1900</i>	ALPHA OF OHIO
<i>University of Kentucky 1902</i>	ALPHA OF KENTUCKY
<i>Columbia University 1902</i>	ALPHA OF NEW YORK
<i>University of Missouri 1902</i>	ALPHA OF MISSOURI
<i>Michigan College of Mines 1904</i>	BETA OF MICHIGAN
<i>Colorado School of Mines 1905</i>	ALPHA OF COLORADO
<i>University of Colorado 1905</i>	BETA OF COLORADO
<i>Armour Institute of Technology 1906</i>	BETA OF ILLINOIS
<i>Syracuse University 1906</i>	BETA OF NEW YORK
<i>University of Michigan 1906</i>	GAMMA OF MICHIGAN
<i>Missouri School of Mines 1906</i>	BETA OF MISSOURI
<i>University of California 1906</i>	ALPHA OF CALIFORNIA
<i>Iowa State College 1907</i>	ALPHA OF IOWA
<i>University of Iowa 1908</i>	BETA OF IOWA
<i>University of Minnesota 1909</i>	ALPHA OF MINNESOTA
<i>Cornell University 1910</i>	DELTA OF NEW YORK
<i>Worcester Polytechnic Institute 1910</i>	ALPHA OF MASSACHUSETTS
<i>University of Maine 1911</i>	ALPHA OF MAINE
<i>Pennsylvania State College 1912</i>	BETA OF PENNSYLVANIA
<i>University of Washington 1912</i>	ALPHA OF WASHINGTON
<i>University of Arkansas 1914</i>	ALPHA OF ARKANSAS
<i>University of Kansas 1914</i>	ALPHA OF KANSAS
<i>University of Cincinnati 1915</i>	BETA OF OHIO
<i>Carnegie Institute of Technology 1916</i>	GAMMA OF PENNSYLVANIA

FRATERNITIES



Eta Kappa Nu

...

HONORARY ELECTRICAL

...

DELTA CHAPTER

Chartered 1909

Faculty

PROFESSOR J. J. GILBERT

PROFESSOR G. E. MARSH

PROFESSOR ERNEST H. FREEMAN

1919

RAYMOND O. JOSLYN

H. F. GELDMEIER

E. H. ARNOLD

R. H. RENSCH

M. C. VEREMIS

EDWARD SHEUER

1920

A. R. THROOP

D. J. MALPEDE

A. SUGARMAN

ROBERT S. ILLG

A. Q. GRANT

J. P. MUELLEMAN

W. M. SEYFERLICH

FRATERNITIES



Top Row: ARNOLD, GELDMEIER, JOSLYN, SCHEUER. *Bottom Row:* VEREMIS, RENSCH, THROOP, SUGARMAN.

Eta Kappa Nu

...

HONORARY ELECTRICAL

Founded at the University of Illinois, 1904

...

CHAPTER ROLL

<i>Alpha</i>	UNIVERSITY OF ILLINOIS, URBANA, ILL.
<i>Beta</i>	PURDUE UNIVERSITY, LAFAYETTE, IND.
<i>Gamma</i>	OHIO STATE UNIVERSITY, COLUMBUS, OHIO
<i>Delta</i>	ARMOUR INSTITUTE OF TECHNOLOGY, CHICAGO, ILL.
<i>Epsilon</i>	PENNSYLVANIA STATE COLLEGE, STATE COLLEGE, PA.
<i>Zeta</i>	CASE SCHOOL OF APPLIED SCIENCE, CLEVELAND, OHIO
<i>Theta</i>	UNIVERSITY OF WISCONSIN, MADISON, WIS.
<i>Iota</i>	UNIVERSITY OF MISSOURI, COLUMBUS, MO.
<i>Kappa</i>	CORNELL UNIVERSITY, ITHACA, NEW YORK
<i>Lambda</i>	UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA.
<i>Mu</i>	UNIVERSITY OF CALIFORNIA, BERKELEY, CAL.

PITTSBURGH ALUMNI CHAPTER, PITTSBURGH, PA.

CHICAGO ALUMNI CHAPTER, CHICAGO, ILL.

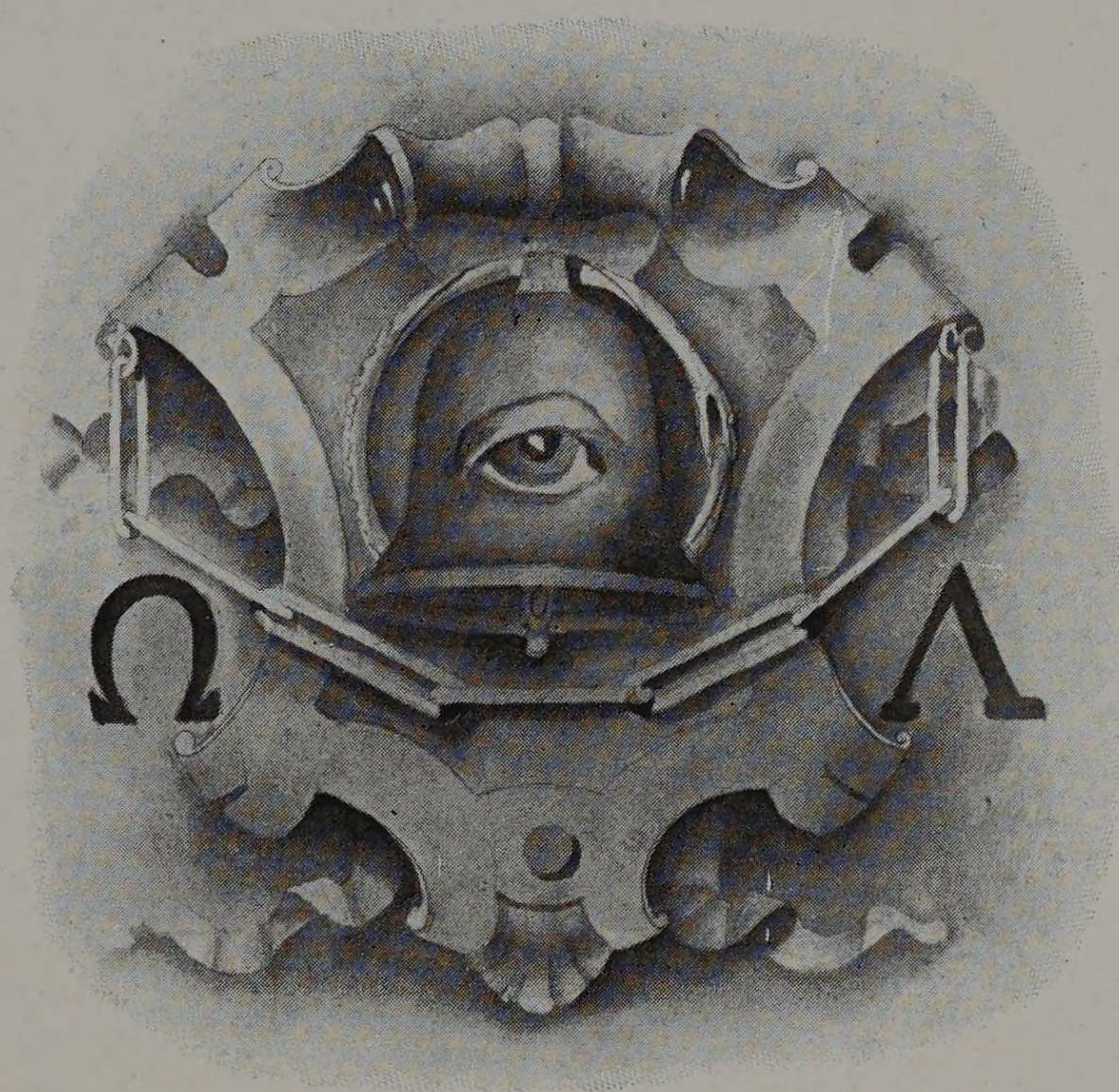
NEW YORK ALUMNI CHAPTER, NEW YORK, N. Y.

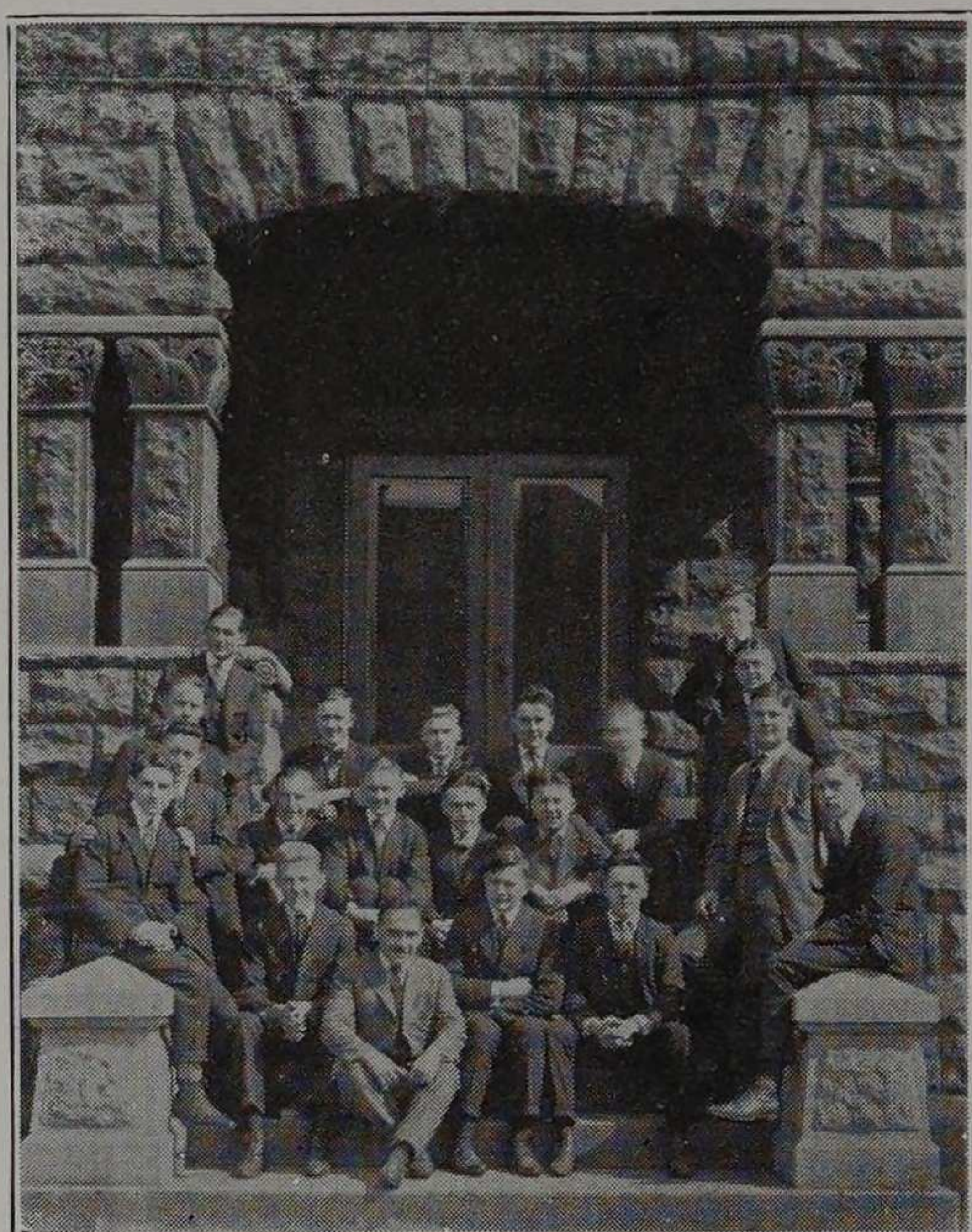
SCHENECTADY ALUMNI CHAPTER, SCHENECTADY, N. Y.

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F. A. ORTH

W. L. DALRYMPLE

Pledges

D. R. HYDE

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S. H. BENTI

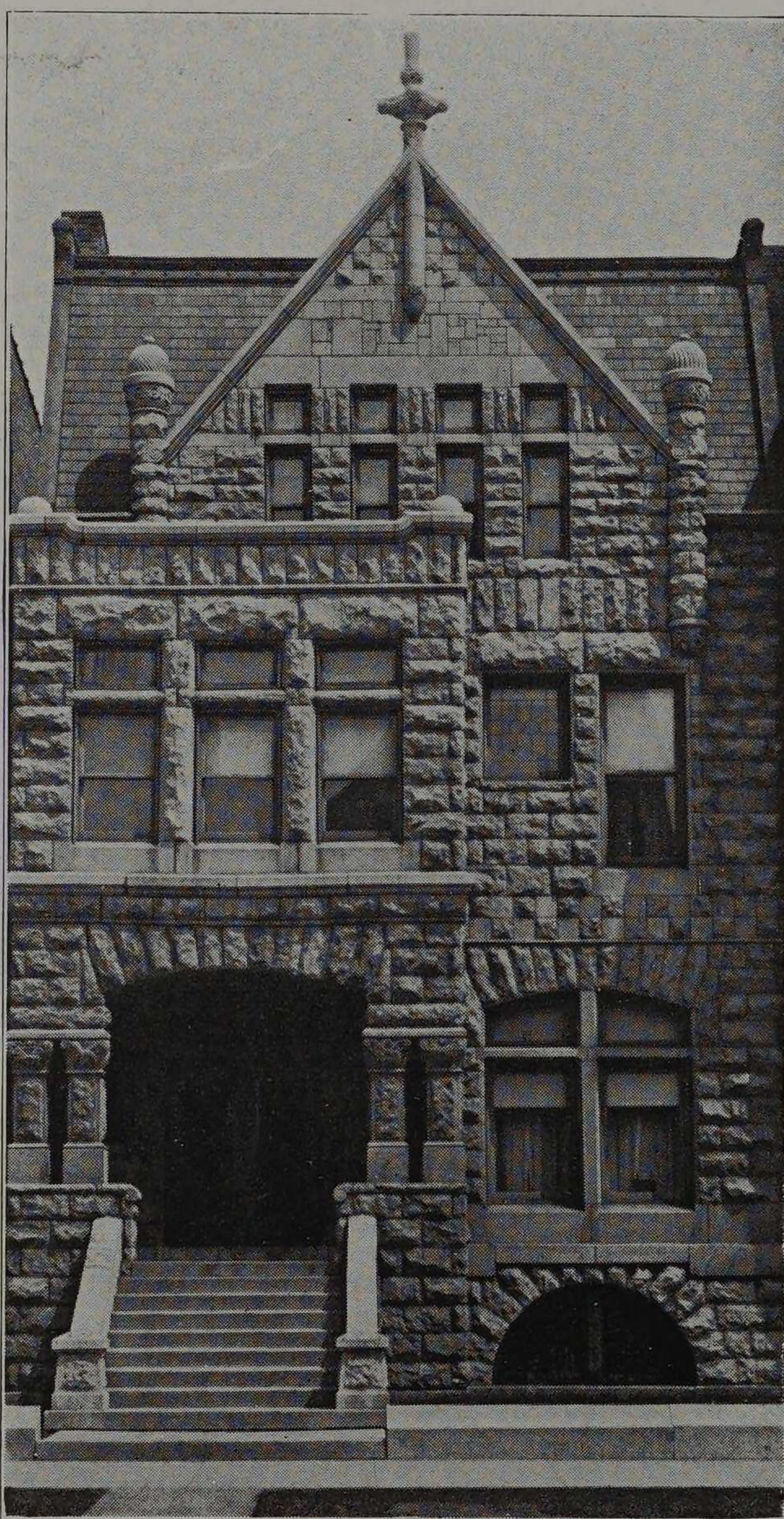
D. L. ROSENDAL

D. F. MILLER

L. P. WEISS



Top Row: EIRDAM, H. PETERSON, MULLEN, QUINLAN, THOMPSON, S. WEBSTER, ORTH. *Middle Row:* SCHINDLER, HINKLEY, CHAPIN, E. WEBSTER, MAITRE, HYDE, G. PETERSON. *Bottom Row:* Sisson, ANDERSON, MEHRHOF, WOODARD, SHAW, CLARK, HAYDEN.



Omega Lambda House

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Sigma Kappa Delta

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J. ALMON KEETH

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C. M. KOCK

W. M. SEYFERLICH



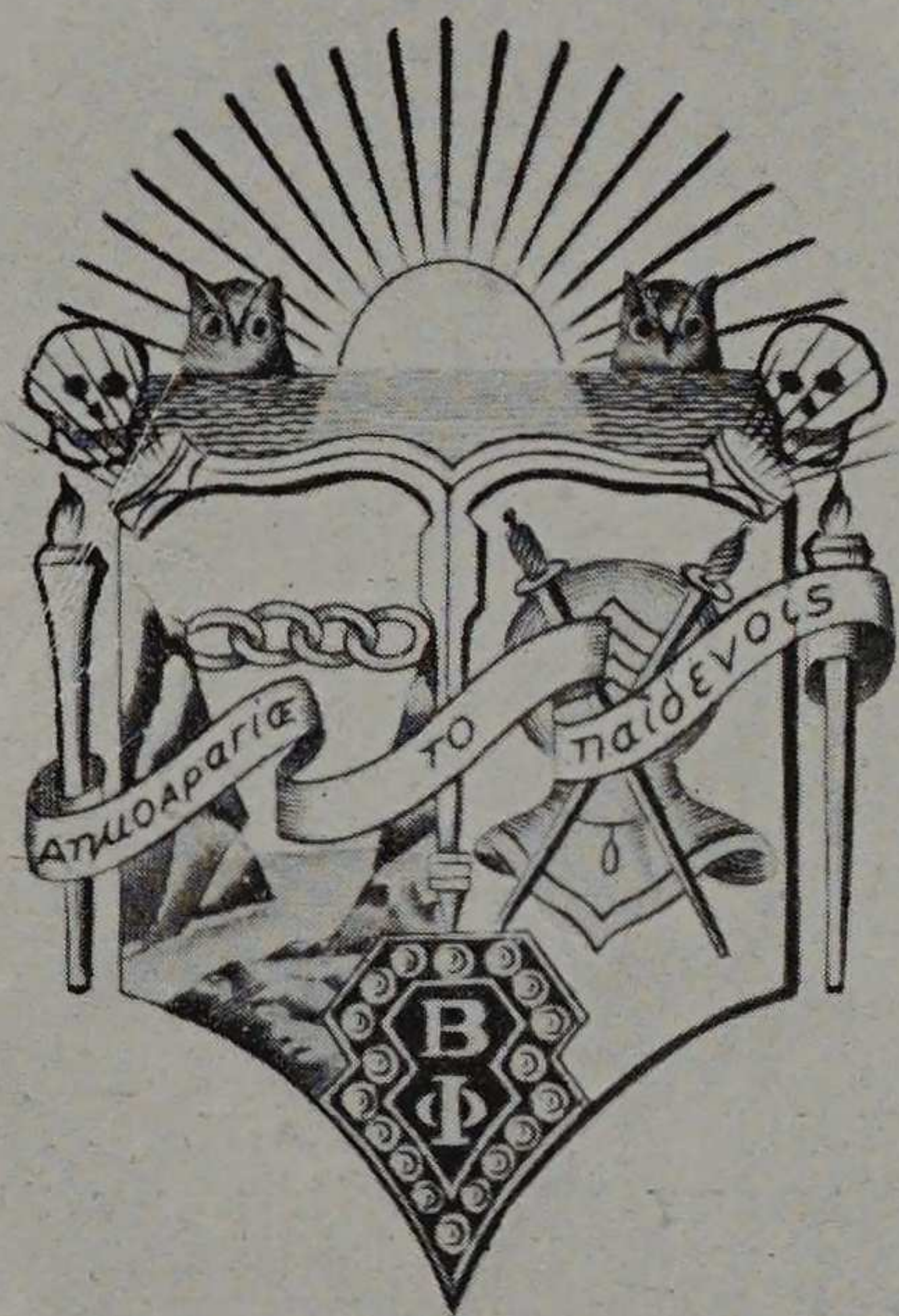


Top Row: OIEN, GELDMEIER, BERG, TRASK, KEETH, ARNOLD, MICHELS. *Middle Row:* GAIL, MALPEDE, ILLG, COOK, THROOP, VAN VALZAH, MUELLEMAN. *Bottom Row:* HOCHREIM, CORYDON, TROWBRIDGE, BRANIGAN, NICHOLSON, WITTEN, BACON.



Sigma Kappa Delta House

FRATERNITIES





Beta Phi

Founded at the University of Chicago 1911

CHAPTER ROLL

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<i>Beta</i>	NORTHWESTERN UNIVERSITY
<i>Gamma</i>	ARMOUR INSTITUTE OF TECHNOLOGY
<i>Delta</i>	UNIVERSITY OF ILLINOIS
<i>Epsilon</i>	UNIVERSITY OF IOWA
<i>Zeta</i>	UNIVERSITY OF MICHIGAN
<i>Eta</i>	DE PAUW UNIVERSITY
<i>Theta</i>	ROSE POLYTECHNICAL INSTITUTE

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DANIEL ROESCH, Armour '04

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HUBERT G. REHFELDT

CARL L. GOLD
ALAN ERICKSON

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Top Row: SHARF, GRANT, MAY, SCOTTFORD, SCHERGER, ROSENDAL. *Second Row:* THOMPSON, REHFELDT, MCCAULEY, MENDIUS, GOLD, CLAUSEN, VOGT.
Third Row: ADAM, KLENZE, ALLEN, KUMBERA, KUEHN, GRABENDYKE, JURASKA. *Bottom Row:* ISAACS, COOLEY, HAYNES, JAMES, BREADY.



Beta Phi House

FRATERNITIES



Scarab

■ ■ ■

HONORARY ARCHITECTURAL

Founded at the University of Illinois, 1909

圖 國 際

TEMPLE ROLL

<i>Karnak</i>		UNIVERSITY OF ILLINOIS
<i>Edfou</i>		ARMOUR INSTITUTE OF TECHNOLOGY
<i>Ipsimboule</i>		WASHINGTON UNIVERSITY
<i>Thebes</i>		PENNSYLVANIA STATE UNIVERSITY

EDFOU TEMPLE

Chartered 1915

Honorary

LOUIS H. SULLIVAN

Faculty

EARL H. REED, JR.

WILLIAM H. LAUTZ, JR.

1919

F. S. COWLES

A. E. ERICKSON

H. B. McELDOWNEY

1920

L. K. CARDWELL

J. A. KARLSON

F. C. HINCKLEY

W. J. O'CONNOR

1921

GEO. D. CONNER



Top Row: ———, LAUTZ, COWLES. *Middle Row:* O'CONNOR, CARDWELL, KARLSON, HINKLEY.
Bottom Row: CONNOR, ERICKSON, McELDOWNEY.



Honor "A" Society

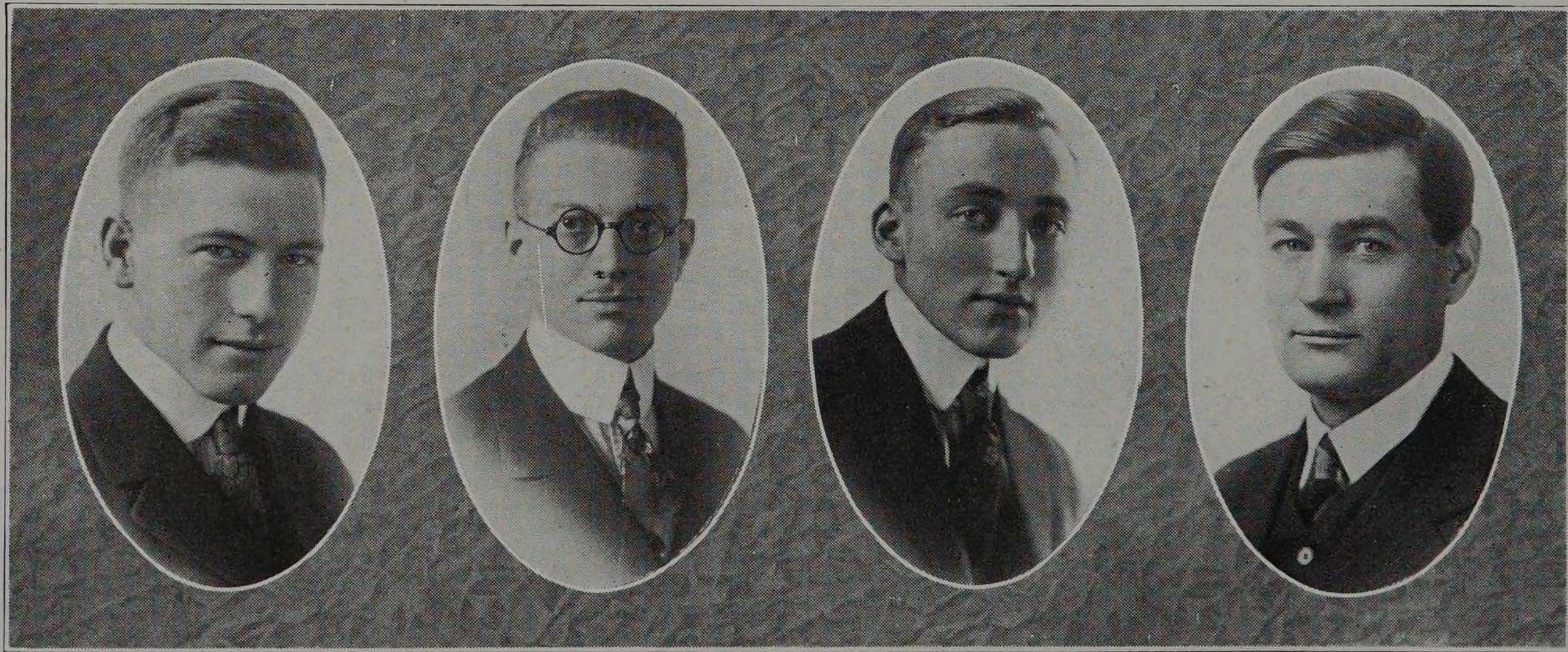
OFFICERS

WM. MENDIUS	<i>President</i>
WM. N. ERICKSON	<i>Treasurer</i>
J. I. BREADY	<i>Secretary</i>

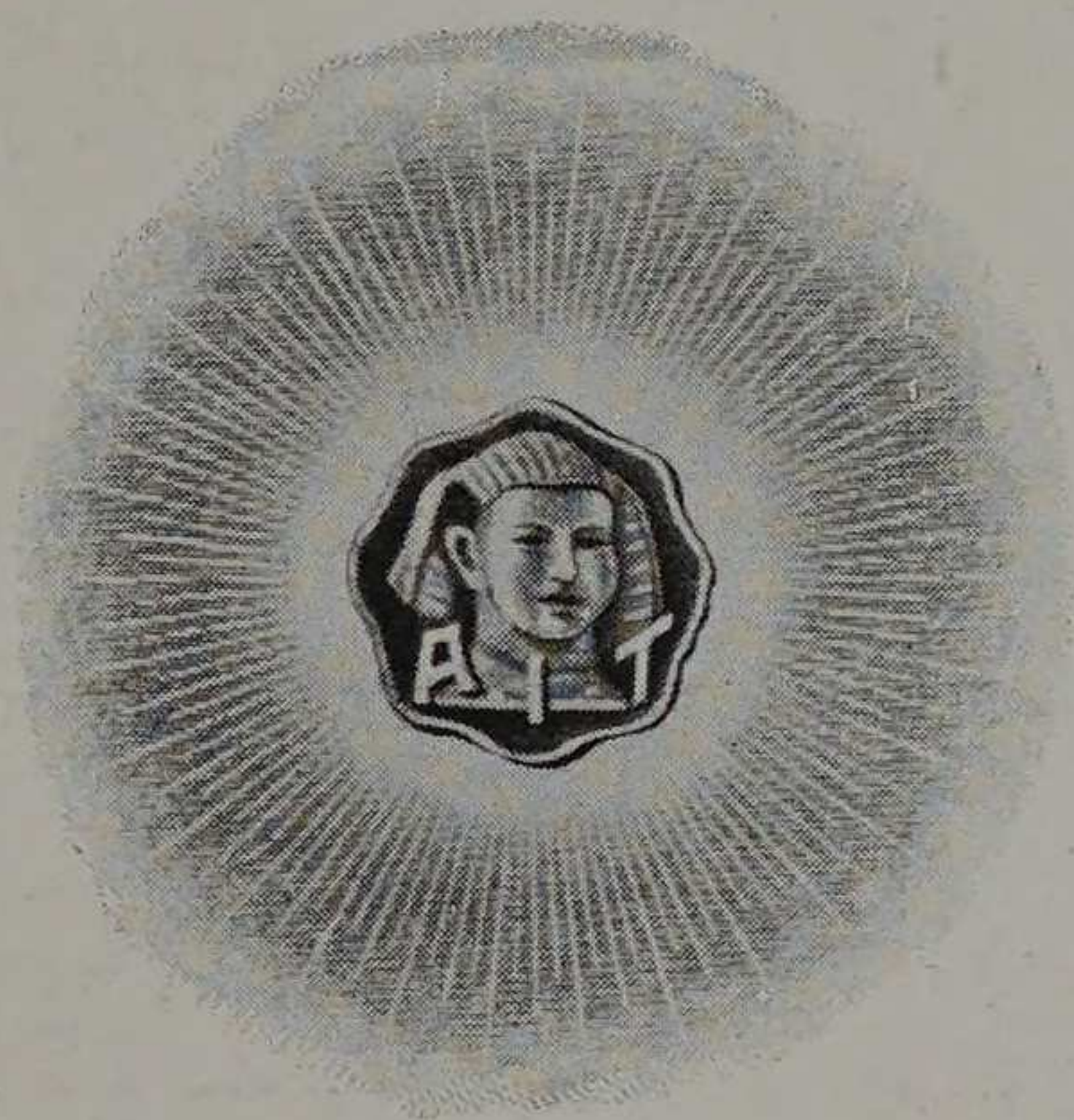
The Honor "A" Society was organized in the spring of 1914 by the active athletes of Armour. The fundamental idea back of the formation of this society was that of bettering athletics in general at Armour. An organization of this kind is an aid in bringing out the available material for our teams, and stimulates competition for the various places on the teams. The athletes, by sacrificing the time for their activities in Tech athletics, will not only obtain their emblems, but also membership in the society.

With the hearty co-operation of the Executive Council and the faculty, this society has been very active up to the spring of 1917. It was at this time that the Executive Council, as a war measure, decided to temporarily abolish inter-collegiate athletics. This sounded like a death knell for the "A" Society, as no more eligible members could be taken in until athletics were again revived. As each succeeding class graduated, the active membership of the society decreased until there are only three members now in school.

With the bright prospects of again having Tech teams next year, the society will resume its activities, and the block "A" will again be worn by the new "A" men.



FRATERNITIES



Sphinx

OFFICERS

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WM. J. CHAPIN *Secretary-Treasurer*

FACULTY MEMBER

DEAN L. C. MONIN

MEMBERS IN COLLEGE

WILLIAM MENDIUS	ELLIS C. COOK
ROBERT H. RENSCH	WM. N. ERICKSON
R. O. JOSLYN	WM. J. CHAPIN
J. A. KEETH	



CHAPIN JOSLYN KEETH ERICKSON RENSCH
COOK MENDIUS

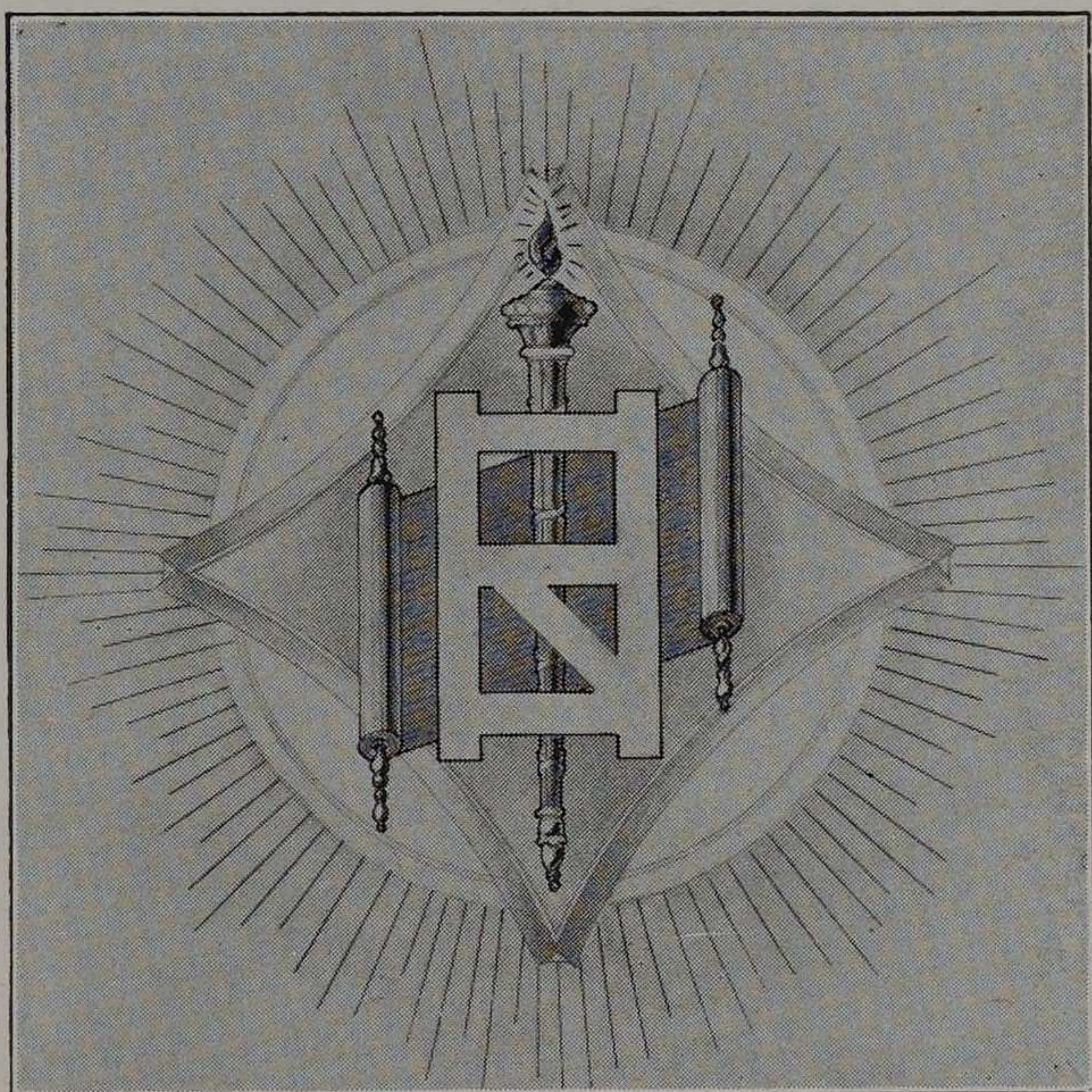
The Sphinx Society

...

THE SPHINX SOCIETY, the honorary literary society of the Armour Institute of Technology was organized with the object stated as follows:—

“Objec.—First, to constitute a board, well fitted by experience, to advise and in a general way supervise all student publications of the Armour Institute of Technology; particularly to arbitrate such questions as may arise, either between them and outside parties. Second, to constitute an honor society, providing a means of just recognition for services—such as are herein specified—rendered on student publications. Third, as a representative body of men of the college, to lend actively its influence and aid to every student enterprise or movement which is conducive to the best interests and welfare of the Institute.

“Members.—Each member of the College who has held, or who at any time holds, a position as an executive head (Editor-in-Chief, Advertising Manager, Business Manager, or the equivalent of any of these) on any of the recognized student publications of the Institute—such men shall be entitled to membership in this organization. Further, by a unanimous vote of these men, any man not having held an executive position, but who has served for at least one year on any of the student publications, may be elected to membership, until the number of such elected men is not in excess of half the number of entitled members.”



The Ohr

Organized November 16, 1914

...

1919

ALEXANDER S. LA ZORIS

CHARLES W. MINTZ

1920

MAURICE M. JACKSON
JACOB POPKIN

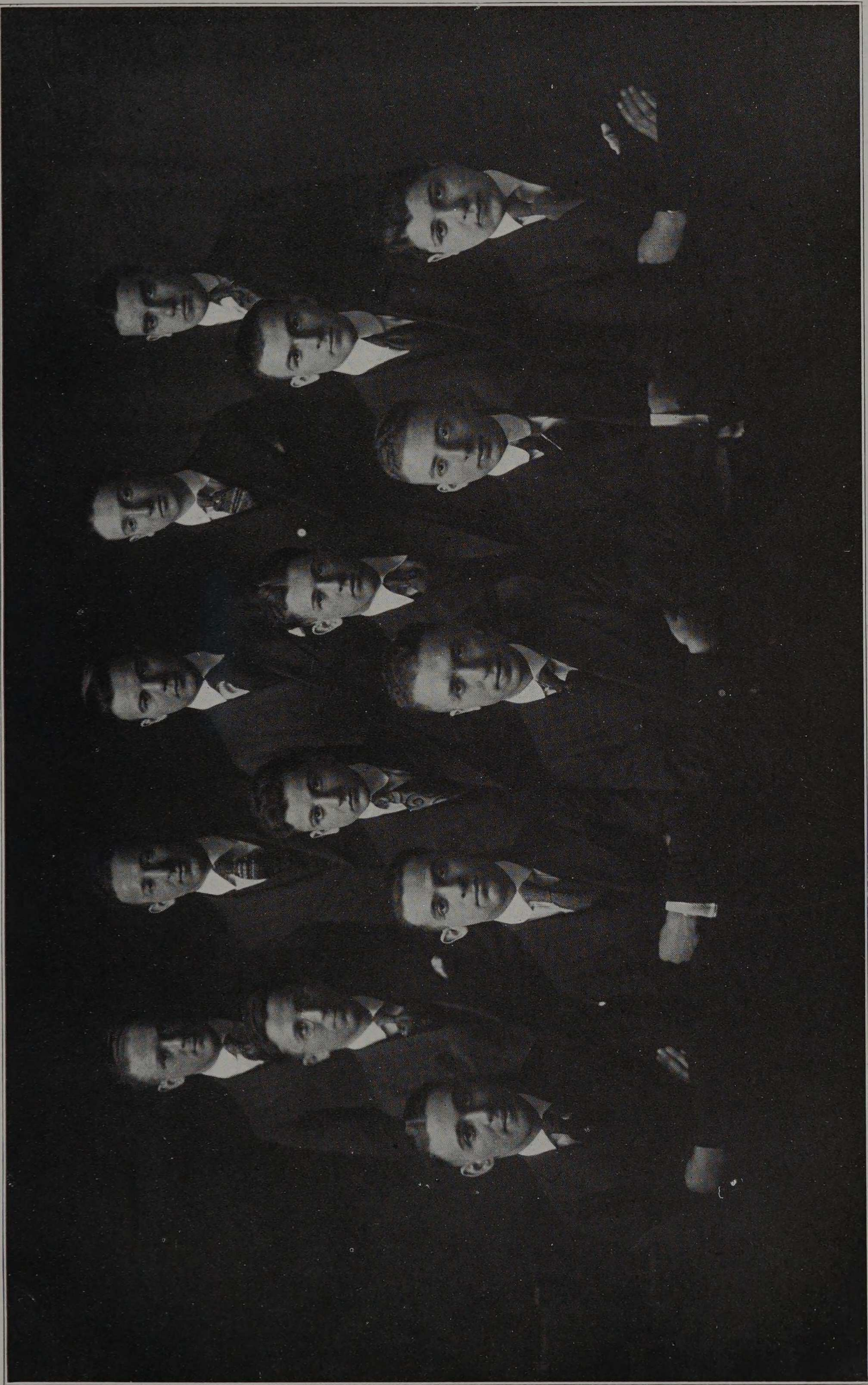
EDWARD STEINBERG
RUEBEN S. WEINSHENKER

1921

SIDNEY W. GROSSMAN
IRVING J. LOEBL
LEO S. MARANZ
EDWARD N. NUDELMAN

LOUIS B. NEWMAN
NORMAN J. SCHLOSSMAN
ISADORE L. SCHURMAN
ALBERT F. SPITZGLASS

ALBERT J. STEINER



Top Row: MINTZ, STEINBERG, LOEBL, SCHLOSSMAN, GROSSMAN. *Middle Row:* POPKIN, JACKSON, SPITZGLASS, WEINSCHENKER.
Bottom Row: MORANS, NUDELMAN, LA ZORIS, NEWMAN, SCHURMAN.

Institute Calendar

1918

June 3	Monday	SUMMER SESSION BEGINS.
June 6	Thursday	Entrance Examinations.
July 12	Friday	SUMMER SESSION ENDS.
September 5	Thursday	Entrance Examinations.
September 9	Monday	FIRST SEMESTER OF THE COLLEGE YEAR 1918-1919 BEGINS; REGIS- TRATION DAY.
September 30	Monday	EVENING CLASSES (FIRST TERM) BEGIN.
Nov. 28 and 29	Thursday and Friday . . .	THANKSGIVING HOLIDAYS.
December 6	Friday	EVENING CLASSES (FIRST TERM) END.
December 9	Monday	EVENING CLASSES (SECOND TERM) BEGIN.
Dec. 23, 1918, to January 4, 1919, inclusive		MIDWINTER RECESS.

1919

January 25	Saturday	FIRST SEMESTER ENDS.
January 27	Monday	SECOND SEMESTER BEGINS.
February 12	Wednesday	Lincoln's Birthday, a Holiday.
February 22	Saturday	Washington's Birthday, a Holiday.
February 28	Friday	EVENING CLASSES (SECOND TERM) END.
March 3	Monday	EVENING CLASSES (THIRD TERM) BEGIN.
April 18	Friday	Good Friday, a Holiday.
May 9	Friday	EVENING CLASSES (THIRD TERM) END.
May 25	Sunday	Baccalaureate Sermon.
May 29	Thursday	Commencement Exercises.
May 31	Saturday	SECOND SEMESTER ENDS.
June 2	Monday	SUMMER SESSION BEGINS.
June 5	Thursday	Entrance Examinations.
July 11	Friday	SUMMER SESSION ENDS.
September 4	Thursday	Entrance Examinations.
September 8	Monday	FIRST SEMESTER OF THE COLLEGE YEAR 1919-1920 BEGINS; REGIS- TRATION DAY.

HUMOR



THE FIRST DAY AT ARMOUR

Before I left the High-school,
 (Oh, would I were there yet),
 I didn't have to study 'cause,
 I was the teacher's pet.

She let me talk and whisper,
 And make a lot of noise,
 And I was leader of the class,
 Of all the girls and boys.

But now I'm at old Armour,
 I feel so strange and small,
 And where I felt so big and grand,
 I'm nothing now at all.

And all the upper classmen,
 They push me aside and say
 "Get out of the road there, freshie,
 Can't you see you're in our way?"

And so I hide, 'much as I can,
 And stick close to the walls
 And follow where the others go,
 Around those awful halls.

And once a fellow spoke to me,
 (I thought that I was hid)
 "And you're subscribing for the Cycle?
 Hand out a dollar, kid."

I didn't know just what he meant
 I'd seen no cycles about,
 And I clutched my one last dollar,
 But I had to hand it out.

They call you by your last name,
 'Stead of John or just Billie,
 And they're big men teachers,
 Where one lady used to be.

But when I saw the Deans
 In fright, I vowed right then
 If ever I got out alive
 I'd never leave mamma again.

Did you ever notice this,
 When a fellow takes a kiss,
 Of a righteous little maiden, calm and meek,
 How her Bible learning shows,
 Not by turning up her nose,
 But by simply turning round the other cheek.

We laugh at all the teachers' jokes,
No matter what they be,
We never laugh because they're witty,
But because it's policy.

Fierce lessons
Late hours
Unexpected callers
Nothing prepared
Knocked standing.

You have oft this volume opened
And found without surprise,
That the lines that soon will follow
Were again before your eyes.

An Advertisement

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GUARANTEED TO PRODUCE IMMEDIATE SLEEP ! ! ! ! ! ! !

Pa Phillips—"Greensbaum, what are common carriers on land?"
G.—"Well—ah—Railroads, Express, Telegraph, and ah—Steamship lines."
P. P.—"On land?"
G.—"On inland lakes."

The properties of H_2SO_4
I claim I cannot but abhor,
The things in my chem book, what e'er they be,
Will always be to me, a chem myst'ry.

Intoxicated man, after bumping into the same tree thirteen times, "Lost, in an impenetrable forest."

Dean Monin in Economics speaking upon the development of force and that force is measured only by resistance said: "Some night you may have to call off a big party with some girl just to study for a quiz. Cheer up, don't grumble, that quiz was a gift from the Lord." (It might be at that, depending on the girl.)

Mech. Eng.

50%—Handbook.
 25%—Slide Rule.
 25%—Breeze.
 ———
 100%

Arch.

5%—Coeds and girls.
 30%—Smock.
 25%—Hair.
 10%—Paint.
 30%—Life Class.
 ———
 100%

Civil.

35%—Transit.
 25%—Summer Camp.
 40%—Mission.
 ———
 100%

F. P. E.

50%—Loafing in Basement.
 40%—Underwriters.
 10%—Mustachio.
 ———
 100%

Chem.

55.4%—Stink.
 31.42%—Rubber Aprons.
 13.18%—Listening to F———.
 ———
 100%

Elect.

45%—Shock.
 25%—Connecting Wires.
 30%—Alternating Current.
 ———
 100%

AN EXERCISE IN GEOMETRY

Given: A rotten potato.
 To Prove: It is a bee hive.
 Proof: 1—A rotten potato is a specked tater.
 2—A spectator is a beholder.
 3—A beholder is a beehive.
 Therefore, a rotten potato is a bee hive.

ON JOKING

Composing jokes for publication
 Is no joke or snap vocation,
 Ye Ed. raves with supplication,
 "Make it snappy," (first prostration).
 So we burn that hackneyed in oil
 So we hold our breath and dig, toil.
 (Prostration number two)
 "Copy ready?" Oh that soul knell,
 Trinkel, tinkle, sadsome toll-bell
 Shoot the luck! (and now one more spell).
 So we hie us to the newsboy,
 And icy hands with coppers new, toy,
 Siddle up, and with a look coy,
 Buy a "Journal" full of old joy.
 (Fit Four)
 Then we hie us up still higher,
 To ye Ed. "Oh sinful buyer,
 Do you think his brains of wire
 That he sees not?" (Fifth Expire)
 Jokes look simple, but they're not
 A minute's thought and hasty jot,
 They help you going, a trot,
 We guess we know, 'twas once our lot,
 (But now, sixth and final expiration.)

Prof. Phillips—"Hammerman, are you real busy?"
 Ham.—"Yes, sir, very."
 Phil.—"You don't look it. What are you doing?"
 Ham.—"I'm trying to make a discovery."
 Phil.—"What is it?"
 Ham.—"How long a fellow can rest before you notice him."

Prof. Lee—"Hall, what is force equal to in a mechanical equation?"
 Hall—"I don't know."
 Lee—"Tell him, Chapin."
 Chapin—"It's Mass times Acceleration."
 Lee—"Yes, M times A, M-A, ma. The force that ought to have gotten after some of
 you fellows a long time ago."

Wells, after bumping Grammas with the door:
 "I beg your pardon, Grammas, I hope I didn't hurt you."
 Grammas: "No, No, really, I'm sorry."

"Where did you become so proficient at using a pitch fork?"

"I was in the S. A. T. C. at Armour. There it was a case of being proficient with the fork or starving. I can spear a pork chop at twenty feet."

Scientific questions to be answered by our Profs.

1. Why don't we utilize the "hoarse power of colds?" We have a surplus of them in winter; owners glad to get rid of them.

2. What makes the motor "mote?"

A ONE ACT PLAYLET

Scene: The Chemistry "Lab."

Time: The day before the unknown cards are to be handed in.

Base Voice—"Hey, what's your number?"

Other Voice—"61."

Base Voice—"61 plus twenty-five equals 86. Never mind. Oh, you, what's yours?"

Still Another Voice—"64."

Base Voice—"Ah, my chemical affinity, Discovered. Let's see your first bottle."

S. A. V.—"They're the same color. What ya get for your metals?"

B. V.—"Copper and Bismuth."

Both Voices—"Curses, we're foiled."

Curtain

IN CONCRETE CLASS

Pa.—Now, what do we do in designing a beam, Hammerman?

Ham.—Assume the breadth.

Pa.—And then what?

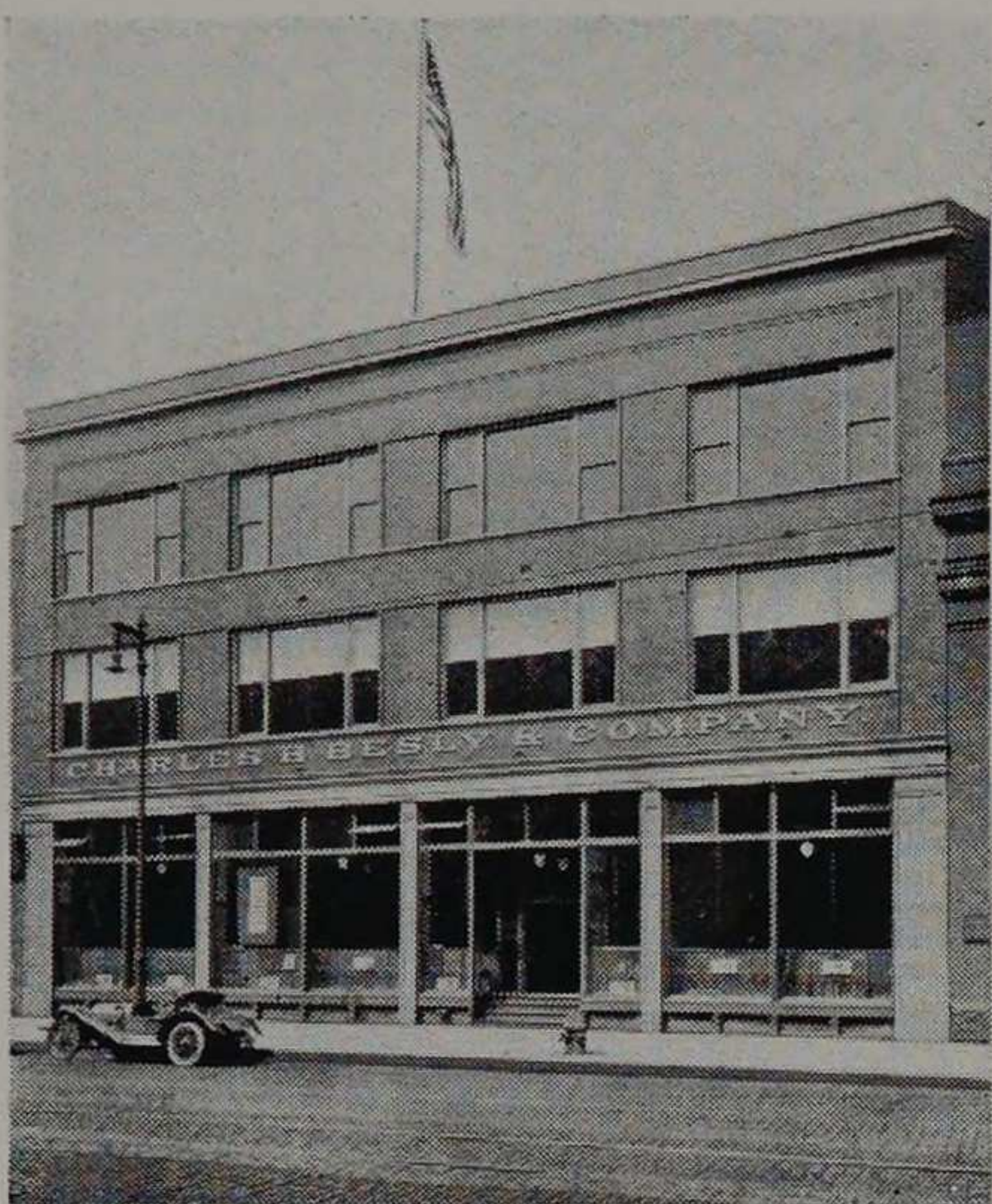
Ham.—Solve for the width.

Major recommending one of his men for a Croix de Guerre.

"That man is the bravest I ever saw. Why, he followed me wherever I went."

A Stein is worried about his welfare after July 1st.

Some Frosh running in before class is up. Loui—"Get oudt! you bulshiveikee! !"



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DID YOU EVER SEE

Engh without an argument?
 Shaw without a "chink" laundry ticket?
 Marks talking without waving his hands?
 Cook in class on time?
 Zempke talking with the fair sex?
 Frank with his trousers pressed?
 Bready not raising rough-house?
 Foley speaking English?
 Grammas without his mustache?
 Anderson without some kind of tickets?
 The freshmen doing anything?
 Foley blush?

Again the gentleman in the front seat raises a question:
 "Is that really a permanent magnet?"
 Again Prof. Wilcox replies: "Certainly, certainly, at least until I erase it."

IN CHEMISTRY

Prof.—"Have any of you fellows had your necks near the flame? Seems to me I smell rubber burning some place."

Cooper: "What does the author mean by long, drawn-out sweetness, Mr. Stern?"
 Stern—"Oh, that's an accordion."

Cooper (reading in English A): "It is your turn to read, Mr. McShane."
 McShane (waking up): "Aw, you deal, I'm too sleepy."

Krathwohl—"Anning, did you get the 15th problem?"
 Anning—"No."
 Matson (disgustedly)—"Oh! It was on the other side of that paper."

Armstrong—"Mr. Grammas, do we speak of a steam shovel as weighing so much or as holding so much material?"
 Grammas—"Yes, we do."

During the S. A. T. C. Stein happened to be in a room with a few other men, when suddenly the lieutenant walked in. Stein saw him first and becoming nervous shouted "Company Attention!"

AT GLEE CLUB PRACTICE

Prof. Smith—"Berg, play 'Till the cows come home.'"
 Some length of time, what?

Chem. Prof.—"What does disinfection do to water?"
 Erickson—"Takes out the bugs."
 Prof.—"No! It only kills them."

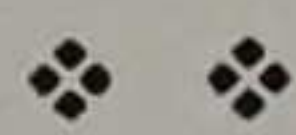
Hammerman to Ande, who has swiped the former's sardines: "Give me my sardines."
 Ande—"Can that stuff, will you?"

Armour Institute of Technology Chicago

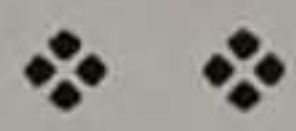


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Our Engineers

...

1.

There are a lot of embryo engineers at Armour Tech;
Who think they've studied long enough to graduate, by heck.
But out of all that motley crowd, the only ones who know,
Are the boys who made a specialty of the Daraf and the Mho.

2.

Some think they've studied chemistry and know electrons well,
But when I look 'em over I'm inclined to say "Oh hell."
You ask them what pure water is, they say it's K₉P.
How they ever pass their quizzes is a mystery to me.

3.

And then there is that smokey crowd, we wonder who they are.
The only fire they can protect is on a big cigar.
But when they cross the river Stix, they'll have it on the bunch
For they'll say, "We studied fire protect because we had a hunch."

4.

The Arch's, a fossil bunch they are, they surely are antique
When a specimen of work they show, for shelter they must seek.
The hail of aged hen fruit is quite more than they can stand,
For the stuff is poor perspective, and it's fudged to beat the band.

5.

Another squad, they call themselves Mechanical engineers.
The horse's strength equation seems to be their only fears.
When Steinmetz needs an office boy I'll recommend the crew,
For I think they know by this time how a wad of gum to chew.

6.

Of all the ignoramuses the civils take the cake,
They'd better learn what civil means before they drive a stake.
They spread all over car seats and let the women stand.
If I had my way about it I would see those birds all canned.

CHORUS

O you Armour Tech, what have you given birth.
Such Architects and Chemicals, their grub they are not worth.
Why did you choose Electricals to bring the bacon home.
While others are only Fire protects; in search of jobs they roam.

E. H. A., '19.

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Prof. Gill—Now students name some of the impurities of the air we breathe, beginning with Mr. Illg there.

Hall: "What color do you think my mustache will be when it grows out?"
Cook: "Well, Hall, at the rate it has been growing, I think it will be grey."

Many stages are passed through by the student who enters one of the Fraternities, at Armour:

The day you're pledged, *Anticipation*.
For many weeks, *Realization*.
The day before *Initiation*.
Is a day of *Agitation*.
Then there comes *Initiation*.
That's a time of *Concentration*.
Oh, boy, Damnation.

"Yes sir! I used to go to church, but since listening to Prof. Scherger's lectures, I'm undecided between Brahmanism, Buddaism, Atheism, Asceticism, Monotheism and Christianity. He makes 'em all interesting."

Campbell—"Erickson, throw your gum in the waste basket."
Erick—"I haven't any gum."
Campbell—"What did I see you have in your mouth a moment ago?"
Erick—"Gum, but I swallowed it."

Prof. Campbell (somewhat peeved)—"How long did you study this lesson?"
Hall—"Five minutes."
Jones—"About fifteen minutes."
Peterson—"Forty miles—Joliet to Englewood."

Campbell—"Anning, how many problems did you work?"
Anning—"All but one."
Campbell—"Then put on the first one."
Anning—"That's the one I didn't get."

Huntly—"What kind of oil is tram oil?"
Passialis—"Three in One."

Class Treasurer—"Mr. Scharf, I think I will raise your class dues,"
Scharf—"I wish you would, 'cause I'm sure I can't."

Chem. Prof.—"Define effervesence, Stern."
Stern—"Oh, its a bubbling, foaming —"
Prof.—"No, that's beer."



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FAMILIAR SAYINGS

Keep your eyes off the ground.
 What's your name?
 I'm your cootie.
 Cover off each plate.
 After mess the grounds will be policed for ten minutes.
 Get that cadence.
 Right dress—Steady—Front.

Electric Shop Instructor—"Never touch any live wires with your hands."
 Bright Student—"Oh, everything sanitary."

There is some speed to our Prof. Smith. Time flies, but when leading the Glee Club Smith beats time.

IN RAILWAY CLASS

Ann—"Is nitro-glycerin used for anything else than making of dynamite? Anyone may answer this question."

Immediately Manchee and Anderson suggest the art of safe blowing. They may be speaking from experience, who knows?

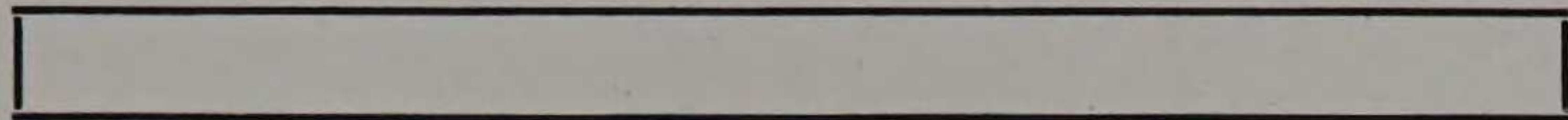
One is inclined to think they have experience.

NEVERMORPS

Students' Army Training Corps,
 You sure made us awful sorps;
 Clumsy, tiresome, hopeless borps.
 We were shot—but shed no gorps—
 Studied little, pokered morps,
 Raked the campus, scrubbed the florps,
 Played the peeler, watched a storps,
 Soaked up goulash, learned to snorps,
 Had experiences galorps,
 'Nough to make an angel rorps.
 Now, impostor, all is orps;
 Fare you well—please shut the doorps—
 Students' Army Training Corps.
 (Culled from the 'Line')

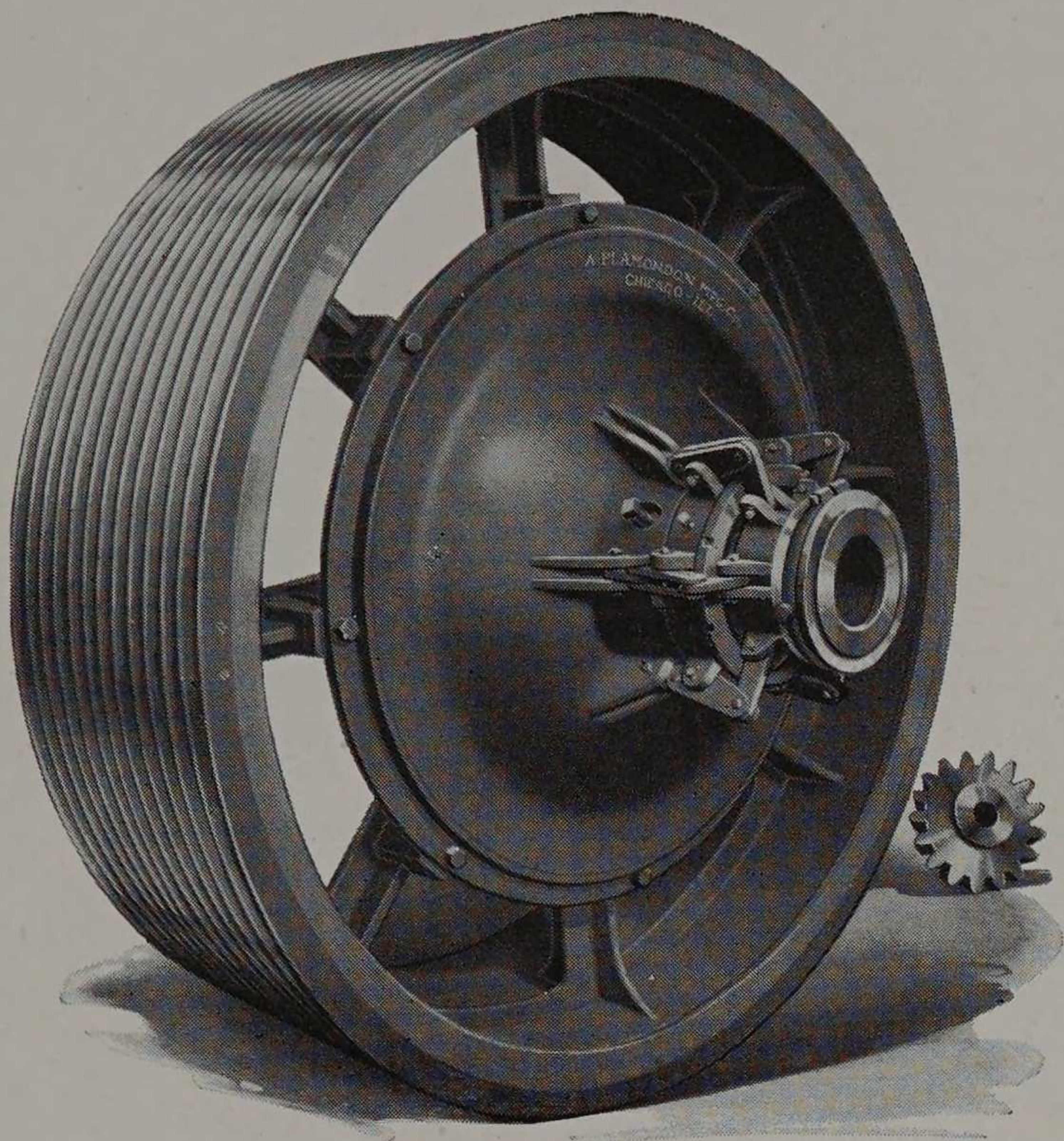
The first appearance of this year's Glee Club seemed to indicate that it was a howling success.

He—"I haven't the cheek to kiss you."
 She—"Use mine."



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Armour Electrics

To the tune of "In the Shade of the old Apple Tree"

■ ■ ■

To the portals of old A. I. T.
For instruction in "juice" they sent me.
They said, "If you study real hard on this stuff,"
You'll learn that $IR = E$.
Even though you have handled it much,
And have had many volts in your clutch;
You don't know what to say
When they ask you in May,
What's the dadt tan C.

So I packed up my trunk as you see,
And tossed in my lot with A. T.
The start off was tough,
For they wouldn't take bluff,
And bushwa could only bring C.
Constant K brings results, wisely used;
And disaster if badly abused.
But that's all in the past,
We are seniors at last.
Glad I came to this place A. I. T.

—E. H. A. '19.



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A "No Trespassing" sign over in a neighboring county is brief and to the point, as follows: "Trespassers will be persecuted to the full extent of 2 mungrel dogs which aint never been overly soshible with strangers, and one double barl shot gun which ain't loaded with sofy pillers. dam if I ain't gitting tired of this helraisin on my property."
—Seen at summer camp.

Our professors here make awful jokes,
But we all laugh with glee,
We've found from long experience
It helps our marks you see.

He—"You are the sole aim of my life."
She—"Well, you won't make a hit if you don't get closer to the target."

"Where have I seen that face before?"
"Just where you see it now."

Breathes there a man with soul so dead,
Who never to himself hath said,
As he banged his shin against the bed,
"!!!!!!!!?????*****!!!!!!!!?????"

Tommy—"Oh, I don't want to go to school."
Pa—"But, don't you want a good education?"
Tommy—"No, pa; I want to be just like you."

Lives of Seniors all remind us
We can make our lives sublime,
And by asking foolish questions,
Take up recitation time.

A very small negro boy was a regular attendant at a boys' reading club, and always called for the same book, turned to the same place, at which he looked eagerly, and then laughed heartily.

The attendant's curiosity was finally aroused by this repeated performance, so he followed the little fellow one night, and, looking over his shoulder, saw that he opened the book to a picture of a bull chasing a terrified negro across a field. He was just about to ask what the joke was, when the boy looked around grinning, and said: "By golly, he ain't caught him yet."

The Continental and Commercial Banks

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Hertwig—"What makes that red mark on your nose?"

Chapin—"Glasses."

H.—"Glasses of what?"

GOOD COMPANY

"Only wild winds have kissed me," remarked the sweet damsel with the snappy black eyes.

Safe company, little girl. They may be a little wild, but they never hang around barracks and gossip.

THE SAME OLD STORY

The world is old, yet it likes to laugh,
New jokes are hard to find;
A whole new editorial staff
Can't tickle every mind,
So if you find some ancient joke,
Decked out in modern guise,
Don't frown and call the thing a fake,
Just laugh, don't be too wise.

If money talks, as some people tell,
To most of us it says farewell."

A guy stood on the moonlight deck
His mind was in a whirl
His eyes and mouth were full of hair
His arms were full of a girl.

(From an Architect)—

Freshman—When we get to the study of magnesia in chemistry there will be a question as to whether we are studying physics or chemistry.

LACTEAL VERSE

I never saw a purple cow,
I hope I never see one—
But army milk is purple now,
So I know that there must be one. J. M.

The teacher looked pallid and nervous. He had dark circles under his eyes and wore a haunted expression. He kept glancing around apprehensively.

"You look ill, dear," said his wife; "what is the matter?"

"Nothing much," he replied, "but I—I had a fearful dream last night and I feel this morning as if I—as if I—" he hesitated and stammered.

"What was the dream?" asked his wife.

"I—I dreamed that I had to take the examination with the pupils!" sighed the teacher.

Scholar's way of saying "Trinkle, twinkle, li'l star":

Scintillate, scintillate, diminutive nebular constellation,
How I cogitate upon the composition of your luminous matter.
At such an altitude above this oblate spherical,
Similar to an atom of crystallized carbon in the blue emperium.

RAISING THE DEUCE

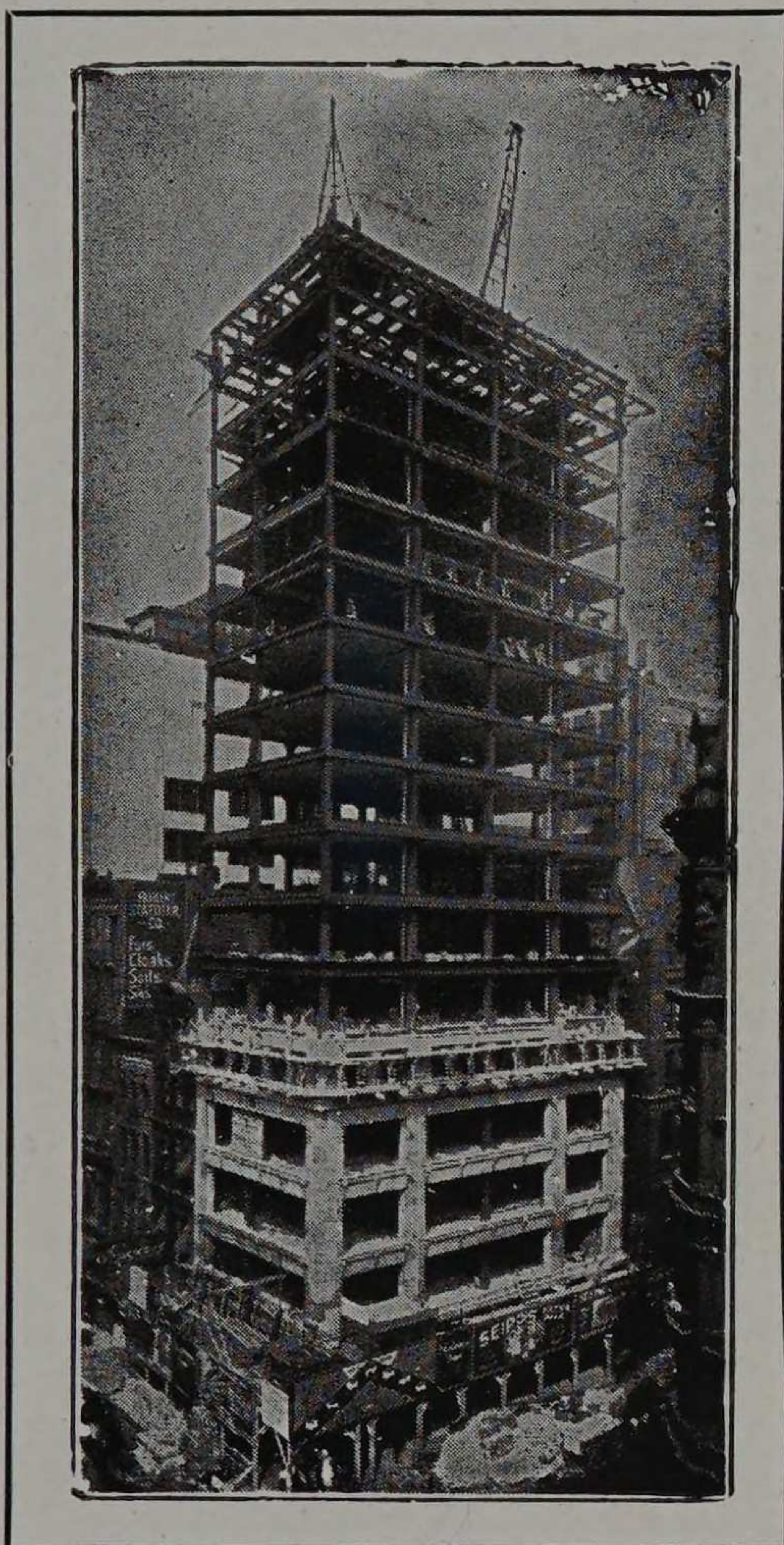
An officer must know how to handle men, but I know a girl uptown who is handling three officers very nicely and all think they stand "aces."

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Oh! the Roman was a rogue;
 He, erat, was, you bettum,
 He ran his automobilis
 And smoked his cigarettum,
 An elegant crevathum,
 A maxima cum lande shirt,
 And such a stylish hattum.
 He loved his luscious hic, hac, hoc,
 And bet on games and equi;
 At times he won, at others though,
 He got it in the nequi.
 He winked (quo usque tandem)?
 At puellas on the forum,
 And sometimes even made um-um,
 Those goo-goo osculorium!

'S BLOOD—'S DEATH

His life blood trickled o'er my hand
 I tried in vain to stop its flow,
 But as I staunched the wound, I knew
 He could not rally from the blow.
 I held him close in anguish great
 As though to call him back again,
 Alas! He could not stay with me—
 My dear old trusty fountain pen.

Brown-Ink.

Sitting one day in the "L" train,
 I was mad and beginning to stew,
 For I knew it was then two-thirty,
 And the show began at two.
 I know not why we were stalling
 Nor why I was waiting there,
 I know I had an impulse
 To tear my auburn hair.
 It may be somehow, somewhere,
 I'll accomplish that feat sublime,
 It may be that only in heaven,
 I'll get to that show on time.

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Arrayed in snow white pants and vest
And other raiment fair to view.

I stood before my sweetheart Sue,
That charming creature I love best,
"Tell me, and does my costume suit?"

I asked that apple of my eye,
And then the charmer made reply,
"Oh, yes, you do look *awful cute*."

But presently at window side

We stood and watched the passing throng,
And soon a donkey passed along,
With ears like sails extending wide.

And gazing at that doleful brute

My sweetheart gave a merry cry,
I quote her language with a sigh,
"O Charlie, ain't he *awful cute*?"

—*Shakes Beer*—

Here's to you I'm glad I met you,
And since I met you I kind'a like you,
And since I like you I think I'll let you,
And since I'll let you!
Gee I'm awfully glad I met you.

"Have you been thru calculus?" inquired the prof.

"Not unless I passed thru at nite," replied the freshman, "I'm from Kansas, you know."

"Young man," said the clergyman, taking him by the collar, "I believe Satan has got hold of you."

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When the dawn is softly breaking,
 And you're sleepy as can be,
 And your collar and your shirt front
 Are an awful sight to see;
 When the cabby wants his money,
 And your headache needs a balm,
 Then you call yourself a lobster
 And you damn the *Junior Prom*.

The one who thinks these jokes are poor
 Would straightway change his views,
 Could he compare the jokes we print
 With those we do not use.

Of all the sorry sights to the masculine view,
 There is one inexplicably shocking,
 It's a short skirted girl, with a neat low cut shoe,
 With a hole in the heel of her stocking.

What! You say I use slang, do you?
 Well, come on now, we'll just see!
 I'd like to know what right you've got
 Handin' such things to me.

Guess the bats are in your belfry,
 Or your brain is on the blink,
 P'raps there's bubbles in your brain tank—
 'Least that's what you make me think.

Guess I use good high-brow English!
 My vocabulary's swell!
 And I don't use all that soft stuff,
 Nor "hot air," you know it well.

Now you understand me, don't you?
 Don't pull off that stuff, sir, then.
 Do you think you get my drift, now?
 If you don't I'll snow again.

TO REMEMBER

IT is oft' said there is a right and a wrong way to do things. Really there's but one way-- the right way.

It will not be unprofitable to bear in mind all thru your career that the progress of a business is dependent upon the opinion in which it is held by the public; that the message whose purpose is the moulding of that opinion is impotent until animated by the vitalizing spark of printers' ink, and that its vitality and power will be in keeping with the skill of the technician charged with giving it life.

Business messages wrought and animated by skilled technicians, the right way.

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Stranger at Armour—"Beg pardon, could you tell me where I could find some one in authority?"

Homer Anderson—"What can I do for you?"

History Student—"I want the life of J. Caesar."

Librarian—"Sorry, but Brutus beat you to it."

Prof.—"Pick up those 'two-bits' on the floor." Everybody leaned forward and saw two matches on the floor.

Its easy enough to look pleasant,
When life goes along like a song,
But the feller worth while is the man with a smile,
When the stuff in our jokes ain't strong.

There was a man in our school
And he was wondrous wise.
He drew a pony on his cuff
Of much diminished size,
But when he felt a little bored,
And yawned with arms extended,
That wise man gave himself away,
And straightway was suspended.

"Tell me," said the lady to the hero, "were you cool in battle?"
"Cool," said the truthful veteran, "why I fairly shivered."

Oh, where, oh, where, has your little "A" gone?
Oh, where, oh, where, can it "B"?
Wherever it is, you surely should "C"
That it never turns into a "D."

Not all fellows are homeless, but some are home less than others.

Tourist—"The volcano reminds me of Hades."

Native—"Gosh, how these Americans travel."

First Freshman—"I just got a zero."

Second Freshman—"That's nothing."

First Freshman—"I know it."

Prof.—"What are you doing? Learning anything?"

Student—"No Sir. Listening to you."



"SOME BUNK"

