



Missouri S&T Magazine, November-December 1946

Miner Alumni Association

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Nov-Dec, 1946

MSM ALUMNUS

Missouri School of Mines and Metallurgy
ROLLA, MO.

VOLUME 20

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NUMBER 7



M e r r y C h r i s t m a s



G R E E T I N G S

A L U M N I

FROM

THE ALUMNI ASSOCIATION



A H a p p y N e w Y e a r



CAMPUS NEWS

Precious Metal Zirconium is Rolled by Campus Metallurgy Students

Graduate students of the Department of Metallurgical Engineering last week had the unusual task of rolling zirconium ingots into thin sheets. The exceptional nature of this operation can only be appreciated when it is realized that ductile zirconium metal is so rare that it has a sales price greater than that of gold.

The ingots of zirconium were produced in Oregon by the U.S. Bureau of Mines and shipped to Rolla to be rolled under the direction of Dr. W. A. Schlechten, chairman of the Department of Metallurgical Engineering, who has had experience in treating the metal. The raw material used in making the zirconium is zircon sand, which is a mineral of the same composition as the gem zircons that are used in jewelry.

Zirconium metal has been known for many years; the chief difficulty has been to produce it in pure enough form so that it will be soft and can be forged and rolled. The pure metal has outstanding resistance to corrosion as it is not attacked by either concentrated hydrochloric or nitric acids. War time research has shown that zirconium is an excellent metal for vacuum tube construction. For this reason many investigations are being carried on to determine methods of lowering the cost of production of the metal.

The rolling operation was carried out under carefully controlled conditions using the large rolls of the Rolla Station of the U.S. Bureau of Mines. Roger Moeller and Bob Ray, graduate students in the Metallurgy Department, operated the furnaces and the rolls that were used.

Dr. Schlechten states that it is of great value to the students to become familiar with such metals as zirconium and titanium that will be of importance in the future. The cooperation of the U.S. Bureau of Mines, under the direction of Mr. C. T. Anderson, in making available their excellent equipment to the students of MSM means that in combination with the laboratories of the school we have the best facilities of any metallurgical laboratory in the country.

James Scholarships Awarded

Dean Curtis L. Wilson announces that through the generosity of Mr. Ralph Hayes, trustee of the James Foundation in New York City, five Lucy Wortham James Scholarships amounting to \$200 each will be available this fall for MSM students. These scholarships, which vary in number from year to year, have been awarded in memory of Mrs. Lucy Wortham James, daughter of William James and granddaughter of Thomas James, who founded and operated the Maramec Iron Works near St. James years ago.

The awards are made on the basis of scholarship, integrity, engineering promise and financial need. Dean Wilson has already received the check for \$1000 from Mr. Hayes and has handed it to the Business Office for deposit. He has appointed a special faculty committee consisting of Dean Rex Z. Williams as chairman, Prof. C. H. Black, Prof. C. W. Eshbaugh, Registrar Noel Hubbard, Prof. J. J. Jelinek, and Prof. R. H. Rankin to select the recipients of the scholarships.

Awards for 1946 were made to Cecil A. Branson, Rolla, Mo., a Junior in Chemical Engineering; Carroll Duane Crutchfield, St. Louis, Mo., a Sophomore in Metallurgical Engineering; Elmo Gaylor Lindquist, Kane, Pa., a Sophomore in Mechanical Engineering; Winston Currie Moss, Carthage, Mo., a Sophomore in Chemical Engineering; and William C. Rous Jr., St. Louis, Mo., a Sophomore in Metallurgical Engineering.

All Students May Demand Educational Opportunities Similar to GI Bill, Dean Langsdorf Tells ASEE

"The experiment of the G.I. Bill seems to be just an opening wedge in a movement which is bound to result in government subsidizing education of younger men and women in years to come," Dean A. S. Langsdorf of Washington University School of Engineering told the annual meeting of the American Society for Engineering Education at MSM, Oct. 26.

The example set by the veterans' program will stimulate others to demand the same opportunities, he continued, pointing out that there will be a need for expansion of higher education facilities and that educators will have to give a type of education suited to the mass of students headed for college.

The Dean stated that younger men should look forward to these changing needs. Technology is developing rapidly, necessitating to include new techniques in the curriculum. The curriculum of the future will be designed to help students understand their part in the social and economic development of the nation. This may mean lengthening the engineering course to five years, a plan already adopted by Cornell University and Ohio State University, he said.

Dean Langsdorf brought out the added problem of balancing G.I. students with high school graduates with all engineering schools of the country certain of maintaining capacity enrollments for the next five years.

Dean Curtis L. Wilson of MSM explained the new department of Humanities and Social Studies which MSM has set up as a means of better training for young engineers.

Prof. Harry Rubey of the University of Missouri urged the engineering educators to utilize the next two or three years in developing facilities to take care of the underclass group which will be in junior and senior groups within two years. Prof. Rubey said that the engineering schools have traditional ways of teaching to small sections, while schools in education have pointed out that some courses can be taught advantageously in larger groups.

Dean Wilson Receives Appointments in ECPD and ASEE

Dean Curtis L. Wilson was elected to the important Committee on Schools at the 14th annual meeting of the Engineers' Council for Professional Development held in New York City on Oct. 18. Dean Wilson succeeds Dean E. A. Holbrook of the University of Pittsburgh on the committee.

This committee supervises the ECPD accreditation of engineering curricula. There are about 167 colleges and universities in this country offering engineering training and the country is divided into eight regions, each region having a sub-committee for visitation and inspection. These sub-committees report to the main committee on engineering schools which is made up of eight members. Dr. D. B. Prentice, President of Rose Polytechnic Institute, Terre Haute, Indiana is Chairman of the Committee on Engineering Schools.

Dean Wilson also was elected Vice President of the Missouri Chapter of the American Society of Engineering Education at the annual meeting held in Rolla on Oct. 26.

Prof. S. H. Van Wambeck of Washington University was elected President and Prof. Donald Waidelich of the University of Missouri at Columbia was elected Secretary. Prof. Van Wambeck was also elected Councilman for the Society for Missouri.

PRESIDENT'S PAGE

MSM Alumnus

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Officers of the Association

FRED C. SCHNEEBERGER '25 *President*
KARL F. HASSELMANN '25 *Vice President*
HOWARD M. KATZ '13 *Secretary-Treasurer*

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President's Column

In this, the final edition of the year, and also the final edition under your present administration, I want to express my thanks and appreciation to the many Alumni who have supported and assisted us in our attempt to bring our Alumni Association up to representative proportions. (Mr. A. E. Wishon's name was omitted in error from the list of valuable contributors contained in the last edition of the Alumnus.)

Your incoming officers have a blue-printed plan of operation, and it is hoped that you will increase your interest in your Alumni Association to the extent that this plan of operation will succeed to its fullest extent.

Karl Hasselmann has fully demonstrated his interest in MSM and the Alumni Association. Under his leadership, the Association and the School, will make progress.

The Association's contacts with Dean Wilson, his faculty, and President Middlebush and his staff, have been kept upon a high plane of cooperation.

The Alumni Association is now a congealed organization. When issues arise which call for strength of purpose, your Alumni Association will present that strength.

My best wishes to the incoming officers — and to them, and you, a very Merry Christmas — and a better — less turbulent, 1947.

793 MSM Men Served in World War II

An end-of-the-year survey of the Alumni Association files shows that 793 graduates served as members of the Armed Forces during World War II. Of this number 21 graduates, 13 undergraduates and 5 ASTP students were listed as killed or missing in action at the end of the war.

The classes of 1943 had the greatest number of men in the services with 120 each. There were 427 MSM men in the Army, 228 in the Navy and 99 whose branch of service was not identified. The number of alumni in the ranks they held are:

Army—Colonels	4
Lt. Colonel	29
Major	75
Captain	114
Lieutenant	147
Non-commissioned	58
Navy — Captain	1
Commander	2
Lt. Commander	11
Lieutenants (jg and sg)	111
Ensign	74
Non-commissioned	29

Prize Fund Set Up for Best Campus Speakers

By CECIL BRANSON '47

One of the first big material encouragements for the newly adapted Department of Humanities and Social Studies at MSM came with the setting up of a fund for the awarding of prizes to the best public speakers on the campus. The fund was donated to the school by an Alumnus, Dr. Enoch R. Needles '14, as announced by Dean Curtis L. Wilson recently.

Under the present set-up, a faculty committee of five men has been appointed to determine the winners of the prizes. (First award is \$25—second and third awards are \$15 and \$10 respectively.) The faculty men selected for the task of determining the most capable student speakers includes the Head of the Department of Humanities, Prof. Sam Lloyd as Chairman, Prof. Campbell, Prof. James J. Jelinek, Prof. E. W. Carlton, and Dr. J. D. Forester.

Prominent Alumnus Dr. Enoch R. Needles, who set up the fund, has received three degrees in engineering from MSM. He holds a B.S. degree in Engineering, which he received here in 1914 and a C.E. degree, which he received here in 1920. In recognition of his wide-spread fame in bridge design and construction, he was awarded a Doctor's degree of Engineering at MSM (Honoris Causa) in 1937.

Dr. Needles is world-famous for the work he did on the first vertical lift bridge over the Delaware river. Some of his other renowned works were with such bridges as the one over the Red river, the Tevarkana bridge and the bridge at Jacksonville, Fla. At the present time Dr. Needles is in charge of the New York office of the Ash-Howard-Needles and Tammen firm.

Some of the authoritative papers written by Alumnus Needles have appeared in leading engineering magazines throughout the world. Among the magazines that have printed his writings are the CIVIL ENGINEERING, the AMERICAN CITY MAGAZINE, and the ENGINEERS' NEWS-RECORD. He holds membership in such organizations as Tau Beta Pi, Phi Kappa Phi, American Institute of Construction Engineers, Engineers Club of New York, National Society of Professional Engineers, and ASCE. He was a full Colonel in Engineers' Corps with headquarters in Washington during the war.

Dr. Needles' contribution of the prize fund will aid greatly in helping the new Department of Humanities attain its goal on the campus. The fund will serve as one of the many things outlined by the Department for the encouragement of the promotion of the humanities among engineering men of MSM.

Ballots for Election of Alumni Association Officers Requested

About 550 of the 1000 election of officers ballots which were mailed on Nov. 1 have been returned to the Alumni Association's Rolla Office. This is not enough. The constitution of the Association stipulates that these ballots must be in the office for official count within 60 days after mailing. This means that your ballot should be in the Rolla Office by Jan. 1.

The ballots were printed on a self-addressed return postcard for your convenience. If you haven't already done so, send your ballot today!

LOCAL SECTIONS ARE THE BACKBONE OF YOUR ALUMNI ASSOCIATION

Attend the NEXT Section Meeting in Your Area.

See page 15 for additional information.

HOMEcoming



Speakers and honored guests at the 75th Anniversary Convocation pictured are: (standing, left to right) Mr. Leslie Cowan, Mr. Guy Thompson, Mr. John H. Wolpers, President Frederick A. Middlebush, James A. Potter, Senator Allen McReynolds, Dr. Eugene McAuliffe, Frank C. Mann, Dean Harry A. Curtis, Dean Curtis L. Wilson; (seated, left to right) Dr. L. E. Young, Dr. H. R. Hanley, Dr. James P. Gill and Dean Henry E. Bent.

Gill and Hanley Receive Honorary Degrees McAuliffe Speaks, 75th Anniversary Convocation

By JAMES J. JELINEK, Asst. Professor of English

Dr. Eugene McAuliffe, Chairman, Board of Trustees, Union Pacific Coal Company, delivered the principal address, "The Engineer's Contribution to Society and the World," at the 75th Anniversary Convocation on Nov. 6.

Candidates for honorary degrees in engineering were presented by Dr. Curtis L. Wilson, Dean of the Missouri School of Mines and Metallurgy, to Dr. Frederick A. Middlebush, President of the University of Missouri. These degrees were conferred upon James Presley Gill, Vice President of the Vanadium Alloys Steel Company, and Herbert Russell Hanley, Professor Emeritus of Metallurgical Engineering at the Missouri School of Mines and Metallurgy. President Middlebush presided at the convocation.

Since the formal opening of the Missouri School of Mines and Metallurgy on "Dedication Day," Nov. 23, 1871, the school has expanded from an institution with one building, two faculty members, and 28 students, to a modern school of technology valued at more than \$3,000,000, having more than 100 faculty members and an enrollment of approximately 2200. Established and maintained jointly by the State of Missouri and the Federal Government under the provisions of the Morrill Act of 1862, the Missouri School of Mines and Metallurgy has provided technical and scientific education to more than 10,000 students coming from every state in America and many foreign countries.

In his address at the academic convocation McAuliffe stated "Too many men, lay and professional, think of engineering as having to do alone with time, material, and forces, three dimensional. We have been a race of pioneers—explorers, appropriators, and exploiters. Virgin soil, forests, and mineral deposits were our heritage, to seize and despoil, and much of our work reflects little credit on those to whom the task fell. We have translated our great natural reservoirs of wealth into comforts and luxuries; waste, waste, and more waste. Therein lies a fertile field, the reduction of waste, not alone of material, but of human force. There is too much tradition in the mining industry, too little analysis.

We are, too many times, so intent on following past practices that we rarely pause to think out a better way. That is the province of the true engineer, to apply the cumulative knowledge, skill and technique of the profession to the problems of the day. We lack the quantitative sense, or having it, we do not use it as we should. We make too many post-mortem graphs, curves, and figures, while letting the tape, yard stick, and stop watch rust."

"Then there is another and largely unexplored field, it lies in the hearts of the men who work with you. The heart of labor has gone neglected for generations. Its reward was, in the past, a meager existence; it is much better today with a more liberal payroll, together with workmen's compensation, unemployment insurance, and social security, which came in recent years; the response received by the employer, unfortunately, too often a grudging one. Where cooperative effort should exist there is too much dissension, with a resultant lack of production. The average workmen's education is limited; he is too frequently compelled to leave school at an early age, to barter his labor for a living. His days are frequently monotonous, the task a repetitive one, he never has learned to make work a game; that is something that school does for you of the more fortunate class, yet many

(Continued on Page 9)

Classmate Recalls 'Doc' Hanley of Student Days

In a recent letter to the Alumni Association, H. R. Wallace '01, a classmate of Dr. H. R. Hanley recalled "Cap" as he knew him when they were students at MSM. At this time when Dr. Hanley has been honored with the degree of Doctor of Engineering (Honoris Causa) from his Alma Mater, it seems only fitting to publish the following excerpts from Mr. Wallace's letter. He writes:

"My memory of Prof. Hanley has been a pleasant one. We used to call him 'Doc' in our school days. 'Doc' was first, last and always a gentleman; he was always pleasant, affable, courteous and considerate of all others; therefore our memories of him can only be pleasant. . . . He was more mature, in a worldly way, if not in years, than many of us and was an outstanding good fellow in the student body."

HOME COMING

Gov. Donnelly Sends Message on 75th Anniversary

The Hon. Phil M. Donnelly, Governor of Missouri, sent the following message to the Missouri School of Mines at the recent 75th Anniversary celebration:

"I am glad to send this message of Greetings to the Convocation celebrating the 75th Anniversary of the starting of classes at the School of Mines and Metallurgy of the University of Missouri, and to express my sincere good wishes on this auspicious occasion.

"During the past 75 years Missouri School of Mines and Metallurgy has exerted a wholesome influence upon the lives of thousands of students with outstanding and beneficial results to the State of Missouri, the nation, and the world. The graduates of this institution have gone into all parts of the world uncovering and exploiting mineral deposits and performing engineering achievements of great renown. Outstanding records have been made by such men as D. C. Jackling in Mining and Metallurgy; A. P. Green in the Ceramic industry; Enoch R. Needles in Civil Engineering; and Marvin J. Kelly in the field of Communications and Electrical Engineering. All of these men have attained world-wide fame in technological fields.

"Aside from these educational accomplishments, the research work done on the campus of this school has returned to the State many times what the school has cost the taxpayers. Eminent and qualified authorities have estimated that innovations and improvements in the milling of lead ores, originating on this campus, have resulted in additional returns to Missouri operators in the Joplin district alone of several million dollars during the past 25 years. The current enrollment of 2100 students is concrete evidence of the demand for engineering training of the type which this division of the University has to offer and assures the same growth and development in the years to come.

"As Governor of Missouri, I can say that the State is proud of our school of Mines and the eminent position which the school occupies in its field. I extend my Greetings and best wishes to my good friend, Senator Allen McReynolds, and the other members of the Board of Curators, who so ably administer the affairs of the institution. To the faculty and staff, and to the alumni and all other friends of the School, I extend congratulations upon the 75th Anniversary of their School and Alma Mater.

"I am confident that your school will continue to reflect great credit upon our State."

Class of '41 Reunion

The Class of '41 held its fifth anniversary banquet at the Pennant Tavern on the evening of Nov. 8 as a part of the Homecoming celebration. The meeting was called by Fred W. Finley of Lamar, Mo. Floyd P. Smith, toastmaster, introduced Dean Curtis L. Wilson who reviewed the progress of the school in the last five years.

Following Dean Wilson's talk, Prof. J. B. Butler of the Civil Engineering department, told something of the problems of the faculty in handling the exceptionally large enrollment this year. Noel Hubbard, registrar, then spoke briefly to the class.

Following these talks, each person present was called upon to tell something of his experiences and of the members of the class he had seen since leaving school. Some of the names mentioned included Bob Schoenthaler, Floyd Elliott, "Big Swede" Olson, Shorty Burke, Red McKee, Wash Adams, Carl Zvanut, Bob Sexton, Louis Kueker, Don Lindberg, Norm Baker, Ed Butch, Joe Rakaskas, Hermann Bottcher, Bob Silhavy, Gene Boyt, Paul Decker, Herb Stockton, Ken Hardine, Don Trish, Warren Danson, McAnerney, Fred Dreeste, Bill Bourne, E. P. Boyd, Bill Alsmeyer, Joe Strawhun, Jane Hall, Bob Topper, Bob Wright, Norm Blair, Dr. Tom Day, Bill Yates, Ben Martin, Joe Lessman, Otis

Taylor, Pete Palmer, Leon Hershkowitz, Bob Nevins, Mat Domjanovich, Dan Lynch, I. L. Cherrick, Red Brookshire, Joe Dusza, Bill Putz and Marvin Pingel.

The class voted to have another reunion next year and elected Wayne Bennetsen as secretary in charge of the preparation of the reunion at the Homecoming next fall.

Those attending the meeting were Fred W. Finley, 706 Poplar, Lamar, Mo., Mr. and Mrs. Floyd P. Smith, Box 333, Lamar, Mo., Mr. and Mrs. Wayne J. Bennetsen, 6327a Sutherland Ave., St. Louis, Mo., Mr. and Mrs. Chris M. Wattenbarger, 1005 Cherry St., Lamar, Mo., Mr. and Mrs. James W. Kerr, 222 Newell Dr., Ferguson, Mo., Earl L. Smoot, 402 E. High St., Mt. Vernon, Ohio, Martin E. Bowman, 605 Main St., Rolla, Mo., D. Wyatt, National Advisory Committee for Aeronautics, Cleveland, Ohio, Donald G. Crecelius, 102 Boone Hall, Oak Ridge, Tenn., Fred Davidson, 807 State St., Rolla, Mo., Nick Nicola, 4337 Laclede Ave., St. Louis, E. T. Myskowski, 62 Forrester S.W., Washington 20, D.C., Mr. and Mrs. J. R. Humphrey, Statler Hotel, St. Louis, Mo., Allan J. Summers, 3422 Eastridge lane, St. Louis, Mo., Andrew A. Cochran, 4534a Adelaide, St. Louis, Dean Curtis L. Wilson, Prof. J. B. Butler and Noel Hubbard.

Growth of MSM Noted by Former Head of School

By DR. L. E. YOUNG, Former Director of MSM

Returning to Rolla on the occasion of the 75th Anniversary was indeed a pleasure. I enjoyed the exercises of Nov. 6 and regret that it was impossible for me to remain for the exercises of the following days. The address by Dr. Eugene McAuliffe was inspiring and the conferring of honorary degrees on Mr. Gill and Prof. Hanley was a fitting tribute to the splendid achievements of these two alumni.

Many changes have taken place in the School and in Rolla since my last visit six or seven years ago. The cornerstone of Parker Hall was laid on the occasion of the Fortieth Anniversary in 1911. At that time the buildings on the campus included Norwood Hall, Metallurgy Building, Rolla Building, Chemical Hall, Power Plant, and Mechanical Hall. Since 1913, the following buildings have been added: Jackling Gymnasium, Experiment Station Building, Harris Hall, Chemical Engineering Building, Mining Building, Power Plant, and an annex to Chemical Hall. In addition, the entire Rolla Building has been made available for instruction and the experimental mine has been developed.

A large amount of equipment has been added in the laboratories, the library has outgrown the quarters in Parker Hall, and everywhere there is evidence of the growth of plant and facilities; but considering the tremendous increase in student enrollment during these years, necessitating a great increase in teaching staff, the physical plant is entirely inadequate to meet the requirements in normal times. During this post-war period, like all other engineering colleges, the institution is crowded with earnest students who are making the most of the instruction facilities available.

The General Program for the Seventy-fifth Anniversary Celebration for the period Oct. 25 to Nov. 8, 1946, was arranged to bring to the campus the host of friends of MSM, not only the alumni, and those who have been associated directly and indirectly with the School in this generation, but also engineers, scientists, and educators of the Middle West. Their attendance at the scheduled programs supplied additional proof that MSM holds a prominent place in the educational world.

The outstanding work of the alumni in all parts of the world and in all types of industry is substantial proof of the quality of the instruction on the campus and their contributions in the field of research demonstrate that the fundamental instruction has inspired vision and leadership in science and technology.

The continued and substantial growth of the School of Mines is the occasion for real rejoicing on the 75th Anniversary.

1887
John W. Scott ex-'87, 8th and Pine Sts., Rolla, Mo.

1901
H. R. Hanley, 606 W. 8th St., Rolla, Mo.
W. H. Powell*, St. James, Mo.
R. T. Rolufs, U.S. Bureau of Mines, Rolla, Mo.

1903
Frank Weidner, 3911 North Hydraulic Ave., Wichita, Kan.

1906
F. B. Powell, Box 122, Rolla, Mo.
J. H. Steinmesch, 2009 Glenwood Ave., Eldorado, Ill.

1909
Edgar J. Wolf, 2639 Vermont St., Quincy, Ill.

1911
M. H. Detweiler*, Zeigler, Ill.
Frank J. Flynn, 920 Ridenbaugh St., St. Joseph, Mo.
Harvey Tedrowe, Denver, Colo.
F. E. Townsend*, 728 Wyandotte Ave., Bartlesville, Okla.

1912
A. H. Cronk*, Rosiclare, Ill.

1913
H. W. Katz, 601 W. 11th St., Rolla, Mo.

1914
C. C. Bland*, 7338 Wellington Ave., St. Louis, Mo.

1916
C. W. Bower*, 820 Woodbine Ave., Glendale, Ohio.

E. G. Duetman, Cuba City, Wis.
A. T. Dunham, 6935 Raymond Ave., University City, Mo.
James L. Head*, 25 Broadway, Room 1760, New York, N.Y.

W. H. Kamp*, 2334 Rochester, Kansas City, Mo.
E. A. Kayser, 2001 Chestnut, St. Louis, Mo.

Hugo E. Koch, 608 Mound St., Hannibal, Mo.
J. J. Krebs, 8234 Palmetto St., New Orleans, Louisiana.

Earl J. McNely, Gillespie, Ill.
H. A. Neustaedter, 5635 Eichelberger St., St. Louis, Mo.

John M. Schuman*, Rolla, Mo.
E. H. Woolrych*, 102 Village 1, Sheffield, Ala.

1917
John S. Brown, Edwards, N.Y.
F. S. Elfred Jr., Alton, Ill.

Wes Mellow, 70 Fair Oaks, Clayton, Mo.

1918
George E. Mellow, 69 Fair Oaks, Clayton, Mo.

1919
J. Walter Scott*, 4629 Highland Ave., Downers Grove, Ill.

1920
Charles R. Barnard, Oakland City, Ind.
M. P. Brazill, 1602 Locust St., St. Louis, Mo.

K. K. Kershner, Rolla, Mo.
Leon B. Schumacker, 4 Hawbrook lane, Kirkwood, Mo.

O. E. Stoner*, 1228 Columbia Pl., Tulsa, Oklahoma.
Wm. M. Taggart*, No. 30 The Orchards, Clayton, Mo.

1921
Lawrence Collins*, 314 N. Third, Watska, Illinois.

R. W. Hunt, Neosho, Mo.
S. H. Lloyd*, 912 W. 12th St., Rolla, Mo.

R. L. Mook*, Leasburg, Mo.
W. C. Powell, Box 816, Overton, Tex.

1922
F. H. Taylor*, 1023 Orleans, Keokuk, Iowa.

Joe B. Butler*, 305 W. 9th St., Rolla, Mo.
B. S. Cornwell, 7910 Gannon Ave., St. Louis, Missouri.

Muir R. Frey, 6419 Wisconsin Ave., Milwaukee, Wis.
Mrs. J. Walter Scott ex-'22, 4629 Highland Ave., Downers Grove, Ill.

1923
Mrs. Jennie L. Lenox Wheelr, Langeloth, Pa.

Neal Ham*, 2327 Locust St., St. Louis, Mo.
A. F. Mohri*, 220 East Park St., Edwardsville, Ill.

H. S. Pence*, 1955 Railway Exchange Bldg., St. Louis, Mo.

Harry J. Schiermeyer*, 219 McKinley Ave., Edwardsville, Ill.

D. F. Walsh, 706 Olive St., Rolla, Mo.

Samuel I. Zook*, 7240 Burrwood Dr., Normandy, Mo.

1924
J. I. Andrews*, Fairfield, Ill.

I. H. Lovett*, 1606 Rolla St., Rolla, Mo.

D. L. Moodie, High Gate, Mo.

W. A. Schaeffer Jr., 206 E. Wall, Midland, Texas.

A. W. Walker*, 824 S. Knoxville, Tulsa, Okla.

1925
A. A. Boyle, 1149 Brown St., Alton, Ill.

Karl F. Hasselmann*, 1900 Mellie Esperson Bldg., Houston, Tex.

G. A. Mulenburg, 12 Vichy Rd., Rolla, Mo.

F. C. Schneeberger*, No. 1 Briar Oak, Ladue, Missouri.

1926
R. H. Butts, Lebanon, Mo.

Leon Herschkowitz*, 203 E. 12th St., Rolla, Missouri.

Daniel Kennedy*, 4444 Faraday Pl., N.W., Washington, D.C.

M. A. Ledford*, 1331 Esperson Bldg., Houston, Tex.

D. R. Schooler, 410 East 11th St., Rolla, Mo.

M. K. Underwood*, 1811 Vichy Rd., Rolla, Missouri.

1927
A. E. Barnard*, 7514 Buckingham Dr., Clayton, Mo.

L. A. Cutter, 904 Woodlawn, Mexico, Mo.

Roy J. Gunther, 6275 O'Dell Ave., St. Louis, Missouri.

R. M. Rankin*, 1604 N. Pine St., Rolla, Mo.

A. T. Smith, 900 E. 10th St., Rolla, Mo.

1928
Charles A. Freeman, A. P. Green Firebrick Co., Mexico, Mo.

Harold R. Kilpatrick, 216 Elm Ave., Kirkwood, Mo.

C. T. McCrorey, Elvins, Mo.

1929
F. B. Beatty, Rolla, Mo.

M. L. Clark, Box 448, Fredericktown, Mo.

Charles W. Johnson*, 349 Park Terrace, Cedar Rapids, Iowa.

1930
John Grohskopf, 1704 Oak St., Rolla, Mo.

Harry F. Kirkpatrick, 1135 N. Fremont St., Springfield, Mo.

A. J. Miles*, 103 W. 14th St., Rolla, Mo.

P. E. Moore, 7108 Dale Ave., Richmond Heights, Mo.

1931
Vernon A. C. Gevecker*, 1101 State Street, Rolla, Mo.

M. E. Suhre*, 6 Vichy Rd., Rolla, Mo.

R. Z. Williams, 504 E. Fifth St., Rolla, Mo.

L. A. Wilson, 929 E. Elm St., Springfield, Mo.

1932
A. G. Farnham, Farmington, Mo.

G. L. Grayson, Rivermones, Mo.

G. J. Koch Jr., 1920 Hayselton Dr., Jefferson City, Mo.

Rex Monroe*, 1351 N. 58th St., Milwaukee, Wisconsin.

Homer F. Thompson*, 1605 Elm St., Rolla, Missouri.

1933
T. W. Hunt, 731 Allen St., Syracuse, N.Y.

W. W. Kay*, R.R. 1, Springfield, Ill.

P. D. Prough, 1508 Andrew Dr., Kirkwood, Missouri.

F. O. Seiberling*, 402 Huff Court, Bonne Terre, Mo.

1934
H. A. Hoffman*, 420 "A" St., Bonne Terre, Missouri.

1935
August P. Koopmann*, 9101 Flores Drive, Afton, Mo.

George T. Nolde*, 719 Ruprecht Ave., Lemay, Missouri.

Morris Turken*, 4558 Easton Ave., St. Louis, Missouri.

Missouri.

1936
Carlton W. Barrow, 3707 Meramec, St. Louis, Missouri.

H. A. Brisch*, 212 South 7th St., Carmi, Ill.
Johns R. Hubbard, 3900 Cleveland Avenue, St. Louis, Mo.

George Nations, R.D. 8, North Kansas City, Missouri.

1938
Roy C. Cornett*, 5474 31st St., N.W., Washington 15, D.C.

W. A. Ford*, 22 Green Acres, Rolla, Mo.

J. C. Radcliffe, 221 Jefferson Ave., Kirkwood, Missouri.

John A. Short*, 1233 Elmerine, Jefferson City, Mo.

1939
C. E. Boulson, Marshfield, Mo.

H. H. Fillmer, Marshfield, Mo.

J. R. Gentry, Room 407, B. & L. Building, Hannibal, Mo.

E. H. Johnson*, R.F.D. 3, Morris, Ill.

John E. Kiser, Bonne Terre, Mo.

R. G. Livingston, 300 W. 10th St., Rolla, Mo.

R. W. Love*, Raymond, Kan.

Leroy E. Smith, 921 Lincoln Ave., Toledo, O.

J. V. Spalding, 3774 Nottingham, Houston, Texas.

1940
P. A. Dennie*, 1009 Central Bldg., Wichita, Kansas.

P. T. Dowling*, 119 Eichelberger St., St. Louis, Mo.

Charles E. Hall*, Webb City, Mo.

H. M. Katz Jr., Box 110, Pittsburg, Kan.

N. Nicola, 4337 Laclede Ave., St. Louis, Mo.

James F. Rushing, 104 S. Elm St., Rolla, Mo.

F. M. Stewart*, Stanolind Oil & Gas Co., Tulsa, Okla.

DeWilton Timberman*, Alton, Ill.

1941
Wayne J. Bennetsen, 6327a Sutherland Ave., St. Louis, Mo.

Arthur W. Brune, 207 East School St., Bonne Terre, Mo.

A. A. Cochran*, 4534a Adelaide, St. Louis, Mo.

D. G. Creelius, 102 Boone Hall, Oak Ridge, Tennessee.

R. F. Davidson*, Rolla, Mo.

Paul S. Elliott, 5486 Pernod, St. Louis, Mo.

Armin Fick, 501 N. Central, Chicago, Ill.

R. E. Fields, Box 214, Denver City, Tex.

Fred W. Finly*, 706 Poplar, Lamar, Mo.

H. T. Gibbons*, 330 S. Kansas St., Edwardsville, Ill.

A. G. Hacker*, 111 E. 4th St., Connersville, Indiana.

K. L. Hardine*, 786 Lombard St., Galesburg, Illinois.

Mike Henning, 1418 Paris, Hannibal, Mo.

Johns R. Humphrey*, Hotel Statler, St. Louis, Mo.

James W. Kerr*, 222 Newell Dr., Ferguson, Missouri.

Floyd P. Smith*, Box 333, Lamar, Mo.

Earl L. Smoot, 402 E. High St., Mt. Vernon, Ohio.

H. R. Stockton, 1419 S. Carr, Sedalia, Mo.

Allan J. Summers*, 3422 Eastridge lane, St. Louis, Mo.

D. L. Trisch*, 467 W. Prairie St., Decatur, Ill.

H. A. Volz, 4800 Rhodes Ave., St. Louis, Mo.

C. M. Wattenbarger, 1005 Cherry St., Lamar, Missouri.

D. D. Wyatt*, 25642 W. Lake road, Bay Village, Ohio.

1942
J. C. Allen, Lewiston, N.Y. (800 Olive St., Rolla, Mo.)

Harold B. Bute, 4206 Baring, East Chicago, Indiana.

James Crookston, 73 Rolla Gardens, Rolla, Missouri.

Florence Marie Davis*, 5328 B Gladstone, Normandy, Mo.

C. A. Murphy, 3709 Gravois Ave., St. Louis, Missouri.

(Continued on Page 17)



Members of the Class of 1916 who gathered at the Houston House in Newburg, Mo., on Nov. 9 are shown. Beginning at the left and reading clockwise around the table they are: E. H. Woolrych, H. E. Koch, Mrs. Koch, C. W. Bower, Mrs. Bower, A. T. Dunham, Miss Dunham, A. T. Dunham Jr., H. A. Neustaedter, E. G. Duetman, J. S. Brown, J. L. Head, J. J. Krebs, Mrs. Krebs, Mrs. J. M. Schuman, E. K. Schuman, J. M. Schuman, Mrs. Frank Taylor, W. H. Kamp, Mrs. X. Smith, J. T. Cole, Mrs. Woolrych, X. Smith, Mrs. E. McNely, Miss McNely, E. J. McNely.

Photo—Esquire Studio, Rolla

By JAMES L. HEAD '16

Well, it rained to beat hell but the weather didn't dampen the enthusiasm of those members of the class of 1916 who returned to Rolla during Homecoming to hold a thirtieth year reunion. The downpour did prevent some of the St. Louis group from coming by car, and the Frisco no longer runs a morning train from St. Louis. As the great day arrived and the members of the class reported, it was evident that those who had planned to come from a considerable distance were more likely to be on hand than were those to whom Rolla is generally more accessible.

Registration started Friday and before the luncheon on Saturday the following had been tagged with the special class reunion badge: Clyde W. Bower and Mrs. Bower, Glendale, Ohio; John T. Cole, Okmulgee, Okla.; Earl G. Deutman, Cuba City, Wis.; A. T. Dunham, A. T. Dunham Jr., and Miss Dunham, University City, Mo.; James L. Head, New York City; William H. Kamp, Kansas City, Mo.; Edwin A. Kayser and Mrs. Kayser, St. Louis, Mo.; Hugo E. Koch and Mrs. Koch, Hannibal, Mo.; Joseph J. Krebs and Mrs. Krebs, New Orleans, La.; Earl J. McNely and Mrs. McNely and Miss McNely, Gillespie, Ill.; Harold A. Neustaedter, St. Louis, Mo.; Edwin K. Schuman, Rolla, Mo.; John M. Schuman and Mrs. Schuman, Rolla, Mo.; Virgil X. Smith and Mrs. Smith, Rolla, Mo.; Edmund H. Woolrych and Mrs. Woolrych, Sheffield, Ala.

John and Mrs. Schuman were the gracious hosts on Friday evening to those classmates and many other Homecomers who had arrived in Rolla by that time. From far and wide we had come to renew acquaintances, reminisce and rediscover mutual interests. It was an enjoyable prelude to the following day's events.

Rolla, bursting at its seams with an enrollment of over 2100, and with a paucity of eating places—shades of Clyde's old Delmonico—offered little in the way of a place for an intimate reunion luncheon, so we took ourselves off in the rain on Saturday noon to Houston House in Newburg. Yes, the same "Hobbs" Houston who was one of the 1914 football immortals. Well, "Hobbs" was a grand football player, but to those of us who are fed up with black market prices and alleged meat shortages, he and his sister Helen will long

be remembered as purveyors of some wonderful steaks for the modest price of \$2 per plate—and what a plate! We were happy to have with us as a guest of Bill Kamp, an especially beloved old friend, Mrs. Frank Taylor, whose late husband will be remembered as the Editor of the Rolla "New Era." We were also joined by John S. Brown '17 who had come all the way from Edwards, N.Y.

The rain fell and we unpatriotically passed up the football game. We simply relaxed while each of us in turn got up and told what great individuals we had become during the thirty years. We must have gotten by with it, for not a single one of the wives protested or offered anything in the way of rebuttal.

Much interesting information developed from this post-prandial session. Some of us had continued to be allied to mining and John Cole, "Deut," "Babe" and "Noisy" admitted that they were pretty good mining engineers. Hugo, with Atlas Portland and Clyde Bower, long associated with Du Pont, obviously hadn't strayed too far from the field. Bill Kamp assured us that in making stock feed for Ralston Purina, he was only using the ore dressing methods he had learned years ago, and the completely unchanged Joseph Jackson Krebs if a little more avoirdupois does not count with a degree from Tulane, is getting by as a "civil" in New Orleans.

A surprising number of us had become pedagogues: Dunham—his side line hobby is repairing old fire arms and fashioning gun stocks; Earl McNely, Ed "Toots" Schuman, a recent addition to the MSM faculty, and Charles A. Lee, who sent regrets and who is Professor of Education at Washington University. Ed Woolrych had also done some teaching at MSM but now is with TVA. I suppose it might be said that Ed Kayser, as a vice president of the St. Louis Dairy Company, is still in the extractive industry. John Schuman and X. Smith have continued to keep the home fires burning and not unprofitably so. If you want to have a shirt washed, a suit cleaned, or buy a ten-penny nail in Rolla, you have to stand in with John and X.

Many messages of regret at inability to attend were read. They included Tommy Tompkins, Gunnard Johnson, Hop-pock, Turnbull, Nat Lawrence, Jimmy Dowd, Ude, Bob Craig and others. Finally at about five we adjourned firmly resolved to get back for the 35th in 1951.

HOMECOMING

Lambda Chi Alumni Visit "Little Red Playhouse" on November 8-9

Although the weather for the Homecoming week-end was rainy and damp, the Little Red Playhouse at 800 Olive street was in a gay and festive spirit with the presence of many of our alumni. Among those who paid us a visit were: O. E. "Doc" Stoner '20 and Mrs. Stoner, Tulsa, Okla.; E. S. "Ozark" Gladden ex-'28 and Mrs. Gladden, Houston, Mo.; Rex Monroe '32 and Mrs. Monroe, Milwaukee, Wis.; W. K. "Buz" Rodman, Fort Leavenworth, Kan.; Sammy Kurtz '42, Bureau, Ill.; Dick Wheat '44 and Mrs. Wheat, Springfield, Mo.; Paul Rothband '43 and Mrs. Rothband, Collinsville, Ill.; Robert Jamison '44, Chicasha, Okla.; Peter Mushovic '44 home from sea (Pete is still in the Merchant Marine); Al Hoffman '44, St. Louis, Mo.; Carl Finley '45, Lamar, Mo.; W. Kehner '46, St. Louis, Mo.

Kappa Sigs Host to Alumni at Homecoming

By H. M. TELTHORST and L. FRANK

Homecoming this year at Kappa Sigma was a homecoming as no other has been during the long war years. This day was the climax of the two week long diamond jubilee celebration of the School of Mines.

Very many old friendships were renewed and many new friends made as boys came back who had graduated as long ago as 1916. One of the first questions on the lips of the men as they came in was, "Is the old card table still here?" and all searched the oaken top until they found the place where their names were carved.

On Saturday afternoon there was a football game and in the evening the Homecoming Dance was held at the gymnasium. The game and dance gave the alumni a good chance to go back to their days here in school and enjoy the week-end to the fullest extent. Beta Chi is extremely grateful for the opportunity to play host to all our alumni brothers and looks forward to a year hence when we sincerely hope to see more Kappa Sigs back.

The men who signed the "Party Book" are as follows: E. H. Woolrych '16; L. B. Schumaker '21; H. R. Kilpatrick '27; R. H. Butts '26; G. E. Burke '46; N. Ham '23; W. A. Hubbard '44; J. R. Hubbard '36; L. A. Cutter '27; D. G. Creclius '41; A. L. Petersen '43; A. P. Ploesser '44; K. H. Mooney '43; A. J. Fuchs '44; F. G. Fleschner '43; T. Finley '39; J. W. Domian '44; S. I. Zook '23.

Kappa Alphas Entertain 16 Alumni During Homecoming

By F. M. SPRINGER

The Seventy-fifth Anniversary Homecoming of the Missouri School of Mines was a great success for the Kappa Alpha fraternity. We had a great number of alumni with us, their classes ranging from '18 to '45. Our main alumni banquet was held Saturday at noon, at which time most of the returned alumni from the chapter were together. Several photographs were taken, a picture of many of the prominent alumni coming out very good.

Friday evening, an informal drop-in was held at which time many of the alumni stopped by the house and the actives and pledges entertained their dates. Most of the alumni, members and pledges attended the Homecoming activities on Saturday afternoon and evening.

The alumni who attended the Homecoming festivities were: R. W. (Wesley) Mellow '18, St. Louis County, Mo.; C. R. (Charlie) Barnard '20, Oakland City, Ind.; Wm. M. (Bill) Taggart '20, Clayton, Mo.; George E. Mellow '18, Clayton, Mo.; Dwight L. Moodie '24, High Gate, Mo.; Loren Alexander Wilson '31, Springfield, Mo.; James Roy Gentry '39, Chattanooga, Tenn.; Andrew A. Cochran '41, West Plains, Mo.; DeMarquis D. Wyatt '41; James W. Kirkpatrick ex-'43, Kansas City, Mo.; Ted R. Hadley '43, Kansas

Triangles Entertain Alumni Visitors

By R. C. PETERSEN

On the week-end of Homecoming the "Old Rock House" resumed the atmosphere which was prevalent in days past. The visiting alumni were welcomed wholeheartedly by the members of pre-war status and all were glad to meet some of the men of earlier years. Saturday, prior to the rather damp football game, we gathered for a buffet dinner. After the game the alumni held a rather informal meeting for the benefit of the present members of the house.

After the dance Saturday night most of the alumni dropped in at the house to put the finishing touch on a very enjoyable evening. Sunday dinner was served at 12:30 for those who remained and soon afterward the house settled down to its usual quiet manner.

Alumni who partook of the joyous week-end are: Paul T. Dowling '40; Howard T. Gibbons '17, Richmond Heights, Mo.; E. Herbert Johnson, Morris, Ill.; Paul W. Kloeris Jr. '42, Waukegan, Ill.; John A. Mazzoni '43, St. Louis, Mo.; Richard Radcliffe '41, Kirkwood, Mo.

Alumni Enjoy Week-end at Sigma Nu House

By D. P. PETERSEN

"There's no place like school," and just to prove it, twenty-five of our former Brothers from far and near jammed the chapter house to capacity. There was a happy mixture of both "way back when's" and "yesteryears' wonders," our more recent gift to mankind.

The celebration got off to a fairly slow start due to a lot of nasty weather, but by Friday night, everyone was in the swing of things. As may well be expected, the house was rather lifeless Saturday morning. By noon everyone was out of hibernation and all keyed up for a delicious buffet luncheon. Saturday noon most of us went to the big game—and got soaked—but nary a dampened spirit.

Saturday evening: another buffet dinner and a lot of reminiscences of the past, which in turn led to a good party on the upper deck. The crowd drifted to the gym around nine-thirty and drifted back to the house at intervals until about midnight. By then the house was loaded again with dancing and gabbing in every nook and cranny. The house was deep in slumber by four o'clock Sunday morning.

A memorial service was held at the Methodist Church, Sunday morning, with about sixty Sigma Nu's on the roll call. Sunday afternoon brought on a lot of final handicaps of farewell and an occasional "See you at St. Pat's." Thus they slipped away, but they surely are not forgotten.

Those who attended the big week-end were: Karl E. Haselmann, Houston, Tex.; James L. Head, Long Island, N.Y.; Willard A. Schaeffer II, Midland, Tex.; Joseph H. Keller, Tulsa, Okla.; Mike A. Ledford, Houston, Tex.; John E. Kiser, Bonne Terre, Mo.; Alexander E. Kyser, St. Louis, Mo.; Walter A. Baumstark, Richmond Heights, Mo.; John L. Shafer, Tulsa, Okla.; Paul H. Jezzard, Tulsa, Okla.; Homer J. Weaver Ballinger, Springfield, Mo.; James W. Coppene, Pittsburgh, Pa.; John W. Griffiths, Webster Groves, Mo.; John L. W. Wiedey, St. Louis, Mo.; Harold W. Flood, St. Louis, Mo.; Elmer A. Milz, Tulsa, Okla.; Edward P. Fischer, Kansas City, Mo.; Walter H. Kiburz, Mexico, Mo.; Fred C. Kibler, Springfield, Mo.; James G. Miller, St. Louis, Mo.; Fred H. Hoener, St. Louis, Mo.; Wayne G. Sutterfield, Salem, Mo.; Guy Brown Jr., Okla. City, Okla.; Robert M. Brackbill, Kirkwood, Mo.

The house was well rounded out with "she's" as well; a majority being wives of the alumni and a good representation of present chapter members "heartbeats."

City, Mo.; Robert F. Schmidt '45, Fort Wayne, Ind.; Richard H. Wegener ex-'45, Collinsville, Ill.; F. S. (Stillman) Elfred '17, Alton, Ill.; A. E. (Al) Barnard '27, St. Louis, Mo.; M. P. (Mickey) Brazill '20, St. Louis, Mo.

HOMECOMING

Pi Kappa Alphas Meet and Honor Dr. Gill

By PIERRE AUBUCHON

A large group of the Alumni of MSM and Pi Kappa Alpha visited the chapter house during Homecoming. A special dinner was served for the benefit of these men and their families and many stayed to enjoy the fellowship of their fellow alumni and the undergraduate students till late in the evening.

Among those present were: J. D. Jenkins '44; R. L. Ehrlich Jr. '43; A. R. Towse Jr. '34; H. Pence '23; H. F. Kirkpatrick '30; C. A. Freeman '28; W. Weber '45; Ben S. Cornwell '22; B. E. Hammer '21.

One of the most notable events during the week-long homecoming celebration was the presentation of an honorary Doctor's degree to one of our Alumni, Mr. Gill, from Pittsburgh, Pa.

75th Anniversary Convocation

(Continued from Page 4)

such men rise to towering heights. Taken as a whole, they suffer from group traditions, prejudices, and judgment. To encourage individualism will be your duty; the measure of your success will depend on your ability to plumb man's secret desires. There is indeed a fourth dimension, it bounds the human soul. It is in the ability to win, drill, and train men that your greatest opportunity lies."

In his presenting the candidates for their honorary degrees, Dean Wilson stated that Mr. Gill graduated from the Missouri School of Mines and Metallurgy in 1918, receiving the degree of B.S. in Metallurgical Engineering. In 1919 this institution awarded him his professional degree, Metallurgical Engineer, and in 1922 he received the degree of M.S. in Metallurgical Engineering. After several years of service with the Anaconda Copper Mining Company he became Research Metallurgist for the Vanadium Steel Company and later was promoted to Chief Metallurgist and finally to Vice President of that company. He has served as trustee of the American Society of Metals since 1937, and was president of the society from 1939 to 1940. In addition to being a member of the advisory committees on metals and minerals of the National Academy of Sciences and the National Research Council, he is a member of the National Inventors Council, the American Society for Testing Materials, the American Institute of Mining and Metallurgical Engineers, the American Standards Association, the American Society for Tool Engineers, the British Iron and Steel Institute, and the American Iron and Steel Institute. Mr. Gill is a member of the editorial board of the "Metals Handbook" and is the author of books on "Tool Steels" and "Modern Steels." He has written more than 35 articles and has delivered over 200 different lectures on metallurgical subjects.

Herbert Russell Hanley, Professor Emeritus of Metallurgical Engineering at the Missouri School of Mines and Metallurgy, graduated from this institution in 1901. He immediately went to California where for 17 years he practiced his profession, rising to Mine Superintendent, Smelter Superintendent, and Plant Manager of the Bully Hill Copper Mining and Smelting Company. He became particularly outstanding in the development of electrolytic zinc processes and in 1918 the Missouri School of Mines and Metallurgy awarded him the degree of Metallurgical Engineer. In 1923 he returned to Missouri School of Mines and Metallurgy as a member of the faculty. He served as chairman of the Department of Metallurgical Engineering during the last four years of active duty and last fall was awarded the rank of Professor Emeritus. Professor Hanley is a member of the American Institute of Mining and Metallurgical Engineers, the Electrochemical Society of America, the Electroplaters Society of America, and the Mining and Metallurgical Society of America. His research work, particularly

Dean Wilson Outlines Ways Alumni Can Aid

What can you, as an Alumnus, do to aid your school and further its progress?

In his recent address to the group of men from the Class of 1941 at their Fifth Anniversary reunion Nov. 8, Dean Curtis L. Wilson emphasized the six points listed below:

1. **Make a success at your own individual job.** No greater credit can be reflected upon your Alma Mater than your own professional accomplishments.

2. **Maintain a strong Alumni Association.** An active, informed organization, with the members and various sections working together in harmony, can be a forceful and effective aid both to the alumni and to the School.

3. **Help MSM graduates get jobs.** For some years there have been more positions available than new graduates to fill them. The day may come when jobs will be more scarce. With larger graduating classes anticipated, alumni assistance in placement will be welcomed.

4. **Encourage good high school graduates to come to MSM.** This is a type of missionary work that can be done (and has been done) by sections and by individual alumni all over the world.

5. **Aid in securing bequests of appropriations.** Alumni residents of Missouri can interview members of the legislature and urge adequate appropriations. Gifts and bequests are always needed for student scholarships, prizes, awards, loans and even student recreation buildings and furnishings. Alumni may be able to interest philanthropists and philanthropic groups in the needs of our students.

6. **Support the administration.** As long as the administration works honestly, assiduously, unselfishly, and reasonably intelligently for the best interests of MSM and the students, the Alumni Association is asked to give its support, cooperation and encouragement. Such support has certainly been given, and I am confident it will continue.

MAIL YOUR 1947 DUES

NOW !

Send a check to:

MSM ALUMNI ASSOCIATION

P. O. BOX 559

ROLLA, MO.

Amount due \$5.00

in the field of non-ferrous process metallurgy, has won him national acclaim. He is the author of numerous technical publications and, under contract with the publishing firm of John Wiley and Sons of New York, he is writing a book on the "Metallurgy of Zinc."

500 ALUMNI AT BIGGEST HOME

By JAMES J. JELINEK, Assistant Professor

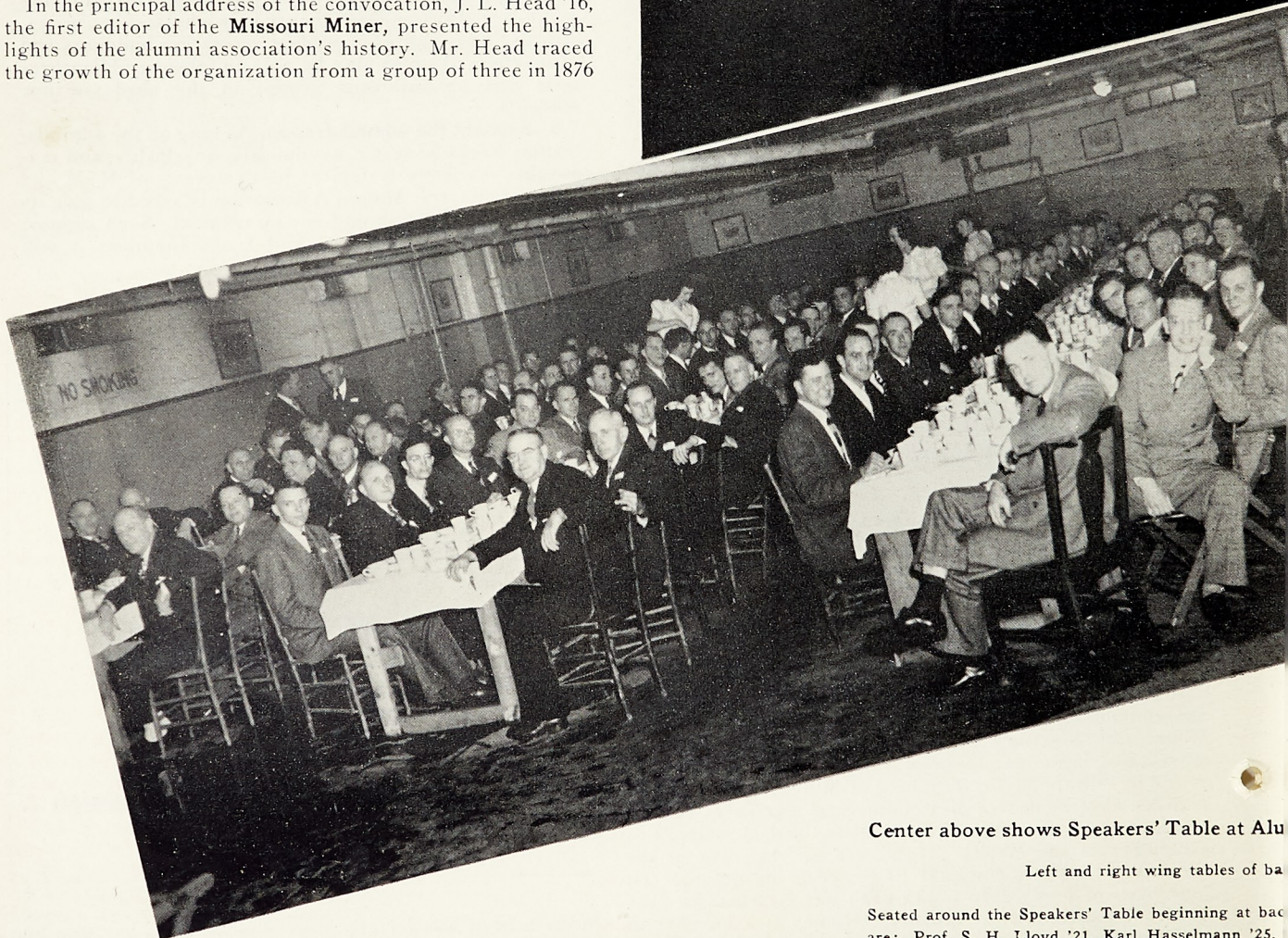
Staging a gala climax to the Seventy-fifth Anniversary Celebration of the Missouri School of Mines and Metallurgy more than 500 alumni on Nov. 9 took part in Homecoming festivities which included a stag Dinner-Smoker, the Homecoming Ball, a special Anniversary Convocation, and a football game between the Miners and Kansas State Teachers College (Pittsburg, Kan.).

In his convocation address, F. C. Schneeberger '25, president of the Alumni Association of the Missouri School of Mines and Metallurgy, pledged the support of the alumni to the school in its promotion of scholarship and research.

K. F. Hasselmann, vice president and presidential nominee for the next term, supplemented President Schneeberger's address with a report on the association's new endowment fund. Hasselmann stated that as the fund is enlarged by contributing alumni, it will be used for the promotion of academic projects conducted by the school.

The Roll Call for alumni who were killed during World War II was read by R. Z. Williams '31, Assistant Dean. Of the 804 MSM alumni who served in the Army, Navy, and Marines during the war, 50 were killed in action. The Rev. O. V. Jackson, pastor, Episcopal Parish House, led the convocation in a "Prayer for the War Dead."

In the principal address of the convocation, J. L. Head '16, the first editor of the **Missouri Miner**, presented the highlights of the alumni association's history. Mr. Head traced the growth of the organization from a group of three in 1876



Center above shows Speakers' Table at Alumni Banquet held

Left and right wing tables of banquet hall shown at

Seated around the Speakers' Table beginning at back center of table are: Prof. S. H. Lloyd '21, Karl Hasselmann '25, W. T. Schrenk, John W. Scott ex-'87, John Cole ex-'16, C. R. Barnard, O. F. S. Elfred '1, J. F. Stephens ex-'41, W. H. Powell '01, W. M. Taggart '20, Asst. Dean '01, R. T. Rolufs '01, J. M. Schuman '16, J. L. Head and Dean Curt

EST HOMECOMING IN HISTORY!

J. JELINEK, Assistant Professor of English



to the present group of more than 1000 members.

An address of welcome was made by Dr. Curtis L. Wilson, Dean, and a financial report was presented by H. M. Katz, Secretary-Treasurer of the Alumni Association.

After the Class Reunion and Fraternity Luncheons alumni were guests of the School at the Homecoming Football game. The Miners and the Kansas State Teachers College at Pittsburg played a thrill-packed game on a muddy field, the battle winding up in a scoreless tie.

The annual, stag Dinner-Smoker of the alumni was held at the Pennant Hotel. Toastmaster for the affair was Prof. S. H. Lloyd '21, chairman of the Department of Humanities and Social Studies. After-dinner speakers included Dean Curtis L. Wilson, F. C. Schneeberger, K. F. Hasselmann, John Scott, and J. L. Head.

Ladies of the alumni had their Homecoming dinner at the Houston House in Newburg and were entertained at the home of Mrs. Carl Eyberg.

Last of the gala festivities of the day was the Homecoming Ball held in Jackling Gymnasium with music by Charlie Faulkner's Varsity Orchestra. The Ball was sponsored by the St. Pat's Board of the School.

The oldest class in attendance at the Homecoming was that of 1901. It was represented by Dr. H. R. Hanley; R. T. Rolufs, Rolla, Mo.; and W. H. Powell, St. James, Mo. These men celebrated the 45th Anniversary of their graduation from MSM.



Table at Alumni Banquet held at the Pennant Hotel, Nov. 9.

g tables of banquet hall shown above in that order.

beginning at back center of table near microphone and reading clockwise
Hasselmann '25, Dr. F. T. Schrenk, R. W. Hunt '21, W. H. Kamp '16,
C. K. Barnard '22, F. S. Elfred '17, W. W. Kay '33, J. H. Steinmesch '06,
01, W. M. Taggart '0, Asst. Dean R. Z. Williams '31, Dr. H. R. Hanley
16, J. L. Head '16, and Dean Curtis L. Wilson.

Photo—Esquire Studio, Rolla

MSM MEN IN INDUSTRY

Woman Grad Plots Drill Tests for Wisconsin Lead and Zinc Mines

Old-timers in the lead and zinc mines of Wisconsin look twice when they see "Maggie the Miner" lugging her equipment around the open pit operations in the Southwestern part of the State, according to a recent article in the "Milwaukee Journal."

"Maggie" is Mrs. Margaret Renwick Andrews who received her degree in Mining Engineering at MSM last May. She is employed by the Inland Lead and Zinc Co., located near Mineral Point, Wis. One of the first women mining engineers actually to work in the field, she maps the locations of ore bodies in the area.

She also has the opportunity of working in one of the newest type lead and zinc mines in the country. The Milwaukee newspaper points out that "Pit mining is the first major change in mining zinc and lead ore in the area for more than 100 years. Industrial leaders do not expect it to be adopted for all mines, but they point to a saving of about half the cost of underground mining and added safety of the workers. . . . The operation near Mineral Point is expected to yield about 300,000 tons of ore."

R. S. Webster '03 with Cuban Railroads 41 Years, Visits Campus

Royal S. Webster who has been associated with the railroad industry in Cuba for the past 41 years, was on the campus Nov. 22, visiting his son Royal Jr., a member of the class of 1950.

Division Engineer for United Railways of Havana, Mr. Webster first went to Cuba in 1905 to do surveying for the Havana Central Railroad with the J. C. White Engineering Company of New York. He later was employed as Division Engineer for the Havana Central Railroad, and in 1926 was appointed to his present position with the United Railways.

"At present there are two railroad corporations in Cuba, the Consolidated and the United," Mr. Webster remarked. "Most of our traffic is in sugar and our operations were kept on an almost normal basis during the war due to the demand for sugar in the United States."

He added that although Cuba produces "mountains of sugar," it is something more scarce there than in the States and at times has been rationed there just as sugar has been rationed by the government here.

He was accompanied to Rolla by his daughter, Helen, the eldest of his six children. After leaving Rolla he planned to travel to Kansas City, Mo., then to El Paso, Tex., and Guadalajara, Mexico.

Grad Tells of Illinois Coal Operation

By W. H. WEIMER '24, Chief Engineer, Midland Electric Coal Corp.

The Midland Electric Coal Corporation, operating two mines in the Northwestern part of the Illinois coal field has mined coal from seams Nos. 2, 5 and 6 by the strip mining method. Organized in 1929 with the opening of the No. 2 seam operation near Atkinson, Ill., the company has grown to be one of the leading coal stripping companies of the country. In 1933 mining in the No. 6 seam was started at Farmington, Ill. Adding to these, the third pit was opened in 1942 with the No. 5 seam operation at Rapatee, Ill. The normal production of these two mines at present is 2½ million tons annually.

The areas of coal, where the Midland Company operates are in the relatively level upland surface characteristic of the Northwestern part of the state. These areas are adaptable to stripping methods and are confined to locations along the outcrops, extending in some cases a considerable

distance inward to lines of maximum overburden which the stripping shovels can no longer move profitably. The shapes of the coal areas are determined to some extent by the present day drainage, but often a buried pre-glacial drainage is found to have cut below the coal horizon and severed what appears to be a continuous field of coal.

Before any property is acquired for mining an intensive prospecting program is carried out along with a preliminary mapping of the field. This is done by drilling holes usually on 660 ft. intervals as well as locating and examination of visible outcrops. When the field is proven and a decision is made to mine it, the extent and shape of the area is further determined by fill-in drilling on 330 ft. intervals. Closer drilling is important along the outcrop, which is usually buried in the more highly glaciated areas. This is also necessary in the interior of the field where the pre-glacial valleys exist.

Accompanying the drilling a topographical map on a 100 ft. scale with 5 ft. contour intervals is made showing all features which will affect the mining operations. The drilling is done with modern core drills of which, at present, there are four operating. Each hole is logged from its collar down and records are kept showing the depth and character of all glacial material as well as the thickness and type of stratified overburden, also the thickness and character of coal.

With this information assembled on the map, cover lines are drawn and the best methods of working the pits are determined. From the estimates of the volume of overburden to move and the coal uncovered a relationship between the cubic yards of overburden to tons of coal is worked out. This is usually spoken of simply as "the ratio."

The mine capacity in a strip operation is dependent largely by the ability of the stripping shovel or shovels to uncover coal. For instance, if "the ratio" of a field is 10 to 1 and the stripping shovel can move 900,000 cubic yards per month, then 90,000 tons of coal may be expected for the mine production that month.

The haulage used at Midland mines is the so called dual system. Coal is loaded into 30 ton trucks and hauled from the pits to a nearby transfer hopper, where it is elevated into 60 ton standard gauge rail cars and thence to the preparation plant. Here the coal is cleaned and sized to meet the requirements of a domestic market as well as industrial and railroad fuel.

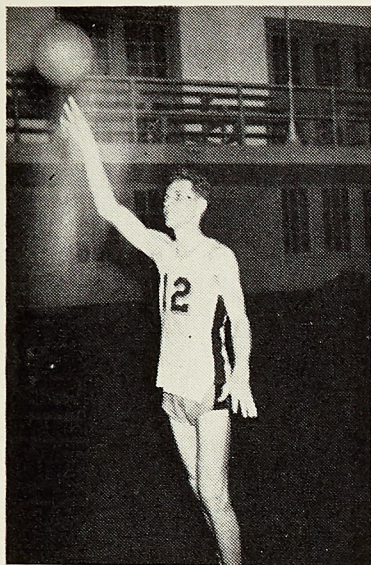
The major pieces of mining equipment are five stripping shovels ranging in capacity from the older 8 cubic yard unit to the most modern knee-action 40 cubic yard shovel at the Rapatee pit. The coal loading shovels, one at each pit, range in capacity from a 4 ton shovel to a modern knee-action 6 ton unit. The 23 automotive haulage trucks are of the tractor and semi-trailer type hauling a load of 30 tons and are powered by Cummins Diesel 200 horse power engines. The 40 rail cars for coal haulage as well as the 14 gob cars for refuse disposal are pulled by 90 ton steam locomotives.

The Midland company is organized to produce coal on an engineering controlled basis. Mr. K. R. Bixby, vice president in charge of operations, does this with an engineering department made up of a Chief Engineer, Assistant Chief Engineer, three mine engineers, a prospect drilling engineer, two assistant mine engineers, a chemist, twelve checkers (time study men), fifteen prospect drillers making a total of thirty-six men in the employ of the engineering department.

(Ed. Note: Since graduation from MSM, Mr. Weimer has had a wide range of experience in the coal mining industry. He has been associated with the Union Pacific Coal Co. in Wyoming and the Bell & Zoller Coal and Mining Co. in Illinois. He became associated with the Midland Electric Coal Corp. in 1942. Other MSM men employed by the Midland company include Vernon N. Cox '40, and F. T. McCrae '38.)

ATHLETICS

BASKETBALL 1946-47 SCHEDULE



BOB BRUCE

With two All-Conference men and one honorable mention included among the five veteran lettermen returning to this year's Missouri School of Mines basketball squad, Coach Dwight Hafeli's prospects for a winning team are very bright. Charles (Bob) Bruce, Kansas City, Mo., who was a Missouri Intercollegiate Athletic Association conference selection in 1941, Ronald Tappmeyer, All-Conference forward in 1945, and Bob Kemper, who received honorable mention, indicated in preliminary practice that they have lost none of the form which brought them the coveted conference honors.

Other varsity letter winners returning to the squad include Rogers Jenkins and Martin Hobleman. Both of these boys saw plenty of action last year and will provide plenty

Name	Pos.	Ht.	Wt.	Class	Hometown
Tappmeyer, Ronald	F	6-3	170	Sr.	Owensville, Mo.
Vogt, Robert	C	6-4	190	Soph.	St. Louis, Mo.
Bruce, Bob	F	6-0	160	Sr.	Kansas City, Mo.
Jenkins, Rogers	F	6-1	168	Soph.	Sparta, Mo.
Perry, Robert	C	6-4	170	Soph.	Crystal City, Mo.
Salamo, Walter	C	6-4	200	Frosh.	St. Louis, Mo.
Voiles, Cletus	G	5-8	155	Frosh.	Carrollton, Ill.
Perino, Pete	G	5-9	150	Frosh.	Benld, Ill.

1922 Grad Writes from Old Mine Site in Mexico

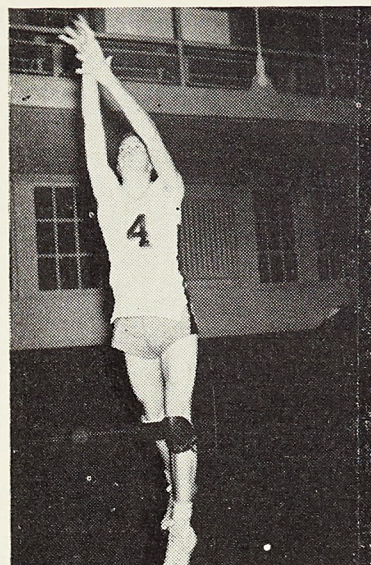
From an historic mining camp in a picturesque village in Mexico, George L. Richert '22 writes the following:

"Since mid-August I have been here in Taxco for Cia. Mra. de Alarcon, S.A., an A.S. & R. Co. unit. This is an unusual mining operation as it is centered in an old side-hill Mexican town considered as a 'must' by the United States tourists.

"Cortez reportedly did some mining here and the camp was at its peak between the 1770s and 1810, when the Mexican revolution started. Since that time operations have been influenced by the world and United States prices of lead and silver. Eagle-Picher also has a lead-zinc-silver operation here.

"In addition to the mines, Taxco boasts of its silversmiths and its ideal climate. At present orchids, the United States opera variety, sell for from 25c to 50c (U.S. currency) an armful, and the gardens are red with poinsettias, none smaller than a large dinner plate."

Mr. Richert sends his present address as Apartado 19, Texco, Gro., Mexico.



ROGER JENKINS

of competition for the starting berths on the 1946-47 edition of the Miners' team.

Two other members of previous years Miners' squad who have returned from military service are Robert Perry, four year letterman at Crystal City (Mo.) High School, a member of the 1942 squad and Robert Vogt, formerly of Beaumont High School and Harris Teachers' College, St. Louis, a member of the 1943 MSM squad.

Other St. Louis boys included on the roster are Robert Thielker, David Grimm, both from Cleveland High School, Walter Salomo, formerly with Bayless High School.

Francis V. Breeze and Virgil Krutsinger, from Centralia, Ill., are expected to give veteran letter winners a fight for first team positions.

Name	Pos.	Ht.	Wt.	Class	Hometown
Chapman, Harry	G	5-9	150	Frosh.	Dumont, N. Jer.
Grimm, David	F	6-2	185	Frosh.	St. Louis, Mo.
Breeze, Francis	F	6-0	160	Frosh.	Centralia, Ill.
Krutsinger, Virgil	F	6-1	170	Frosh.	Centralia, Ill.
Kramer, Walter	F	6-3	165	Frosh.	St. Joseph, Mo.
Thielker, Robert	G	6-0	175	Frosh.	St. Louis, Mo.
Hobleman, Martin	G	5-8	140	Soph.	St. Louis, Mo.
Kemper, Bob	G	6-0	173	Soph.	Johnston City, Ill.

Dutton Appointed to Government Research Group

Don W. Dutton '35, head of the Department of Aeronautical Engineering at the Georgia School of Technology, has been appointed by the War Department General Staff as a civilian member of the Research and Development Division for the coming year.

He graduated from MSM in 1935 and later took his Master's degree at Georgia School of Technology. He worked for the Curtiss-Wright Corp. and the Monocoups Aircraft Corp. and also for Allis-Chalmers Corp. before going to Georgia Tech. in 1940 as assistant professor of aeronautical engineering.

In 1943 he was appointed head of the department and director of the Guggenheim School of Aeronautics where he has continued research work on jet-propelled helicopter and completed many wind-tunnel research problems on military and commercial aircraft. His address is 483 E. Wesley road N.E., Atlanta, Ga.

ABOUT TOWN & CAMPUS

School Spirit Back

After all of the rain that was poured down on MSM's football field for the last three games of the season, and especially during the Homecoming week-end, the weatherman decided to favor the Rolla area for a change. During the first week of December the thermometer mercury hovered around the 60 degree mark and everyone shook their heads remarking about the "perfect football weather" the coaches were having at the beginning of the basketball season.

And speaking of basketball, the team looks sharp this year. They defeated Parks Air College 68-15 and Central Missouri State Teachers College 51-33.

With winning teams in both football and basketball, the old school spirit is fast reviving from its lethargy during the war years. Bonfires and pep rallies before and after the games are in evidence again. And the bell on the Old Rolla Building time and again has tolled the message of a Miner victory this fall.

Classes in Rolla Building

The Old Rolla Building—yes, that structure still stands as a campus landmark. Since the removal of the Geological Survey to its downtown quarters, the building is again being reverted to class rooms. Work is being completed on the 13 class rooms and numerous offices of the Humanities department.

On the first floor, where Henry C. Beckman of the Water Resources Branch of the USGS had his office, is the office of Prof. S. H. Lloyd, head of the Humanities department. Upstairs where "Chief" Buehler, H. S. McQueen and John Groskopf held forth, four new class rooms are in evidence.

The building lends itself well to the reconversion and the offices and classrooms are large and well lighted. The Old Rolla Building, where the first MSM instructors held classes back in 1871, is back in use again.

Apartments Almost Ready

More construction is under way on the block between 14th and 15th streets facing Pine street. The apartments to house 56 veteran students and their families will be ready for occupation in a short time. These buildings, two-story white frame structures, are a credit to the campus, the administration and the men who are building them.

New Stop Light

A hazard to the great number of pedestrian students crossing at the corner of 12th and Pine streets has to a great extent been eliminated. A stop light, similar to the one at 8th and Pine streets, has been installed at the crossing. Due to the large enrollment, this corner has been a concentration point for both pedestrian and motor traffic at the morning, noon and evening "rush hours."

Another service to students in the form of a much needed school directory has been distributed by the Blue Key fraternity. This little book does much to relieve the Registrar's Office of additional work of giving out addresses and phone numbers of students on request. The directory includes names of all students and faculty members with addresses and phone numbers and a list of department and fraternity phone numbers.

About 45 men are scheduled to graduate in January, making up the largest January graduation class in the history of the school. With this in view, over 30 engineering concerns already have contacted officials of MSM seeking to send representatives to interview prospective employees.

VETS' OBSERVATION POST

By DAVE WISDOM '49

Probably one of the major problems confronting a new veteran student upon entering school, is the length of time it takes for the Veterans Administration to process his records and send his first check. For some unfortunate veterans, this period of "getting started" runs into several weeks. The student, whether married or single, finds himself living off of his own savings, which, for a married man, begin to disappear with great rapidity in these days of high prices.

It is not known if any veteran students have had to drop out of school here because of insufficient funds to tide them over, but a majority of the ex-servicemen would be unable financially, to cope with any emergency which might arise at any time. It was for this purpose that Jerome Berry suggested in our October meeting, that the Campus Veterans Association set up a loan fund for veterans, to be used in time of emergency. The suggestion was a hit from the start.

After the record enrollment last September the Campus Veterans Association found itself comprised of a thousand students and a fat treasury. Therefore, setting aside such a fund would not work any hardship on the organization. Dean Curtis L. Wilson commended the idea when it was brought to him, and praised the organization for taking such a worthy step.

The plan was shaped up in the project committee, headed by Chester Pomeroy, and worked on in the executive committee. The Faculty Loan Fund Committee, headed by Dean Rex Williams, agreed to handle the fund.

At the next general meeting of the Association in November, the different clauses were brought up before the members, discussed, and then voted on. The entire bill was then voted on, and unanimously approved.

The original amount put up was five hundred dollars, which was to be added to, from time to time. The maximum loan to any student would be one hundred dollars, with a time limit of ninety days. This was agreed upon, so that the fund would revolve faster and thereby be available to more applicants. No security is asked of an applicant; his only prerequisite was his personal need for the loan. The Treasurer of the Campus Veterans Association will act in an advisory capacity with the Faculty Loan Fund Commission at any time.

The bill, as approved, was written up, signed by the executive officers, and sent to the Board of Curators, where it is at this date. The Association feels rather certain that the loan fund will meet with the approval of the authorities, and have already set aside the five hundred dollars for use starting with the Spring Semester in February.

Board Accepts Veterans' Association Loan Fund

At its December meeting, the Board of Curators accepted the loan fund proposed by Campus Veterans Association. The loan fund will be administered by the Faculty Loan Fund Committee in accordance with the procedure agreed upon by the Campus Veterans Association and the Board of Curators. This procedure parallels closely the administration of other loan funds on the campus. The Board of Curators, administration, and faculty, all believe that this loan fund will serve a very worthy purpose over a long period of years.

The members of the Campus Veterans Association have felt that they should do something worthwhile with their accumulated funds while on the campus and leave a suitable monument to their efforts after they have left. Jerry Berry '49, discussed the matter with Assistant Dean Williams and later with Dean Wilson and presented the subject to the Veterans organization as a whole. James Stephens '47, Commander of the Campus Veterans' Association referred the matter to the project committee with Chester Pomeroy '47, chairman, and Joe Hepp '49, member, who worked out the details.

SECTION NEWS

Dean Wilson Visits New York Section Luncheon

A hastily contrived postcard notice that Dean Wilson was making his second visit to New York City within a year, brought out a group of twenty to greet him at a special luncheon held at the Mining Club on Thursday, Oct. 17. No fewer than three holders of the school's degree of Doctor of Engineering Honoris Causa were on hand, i.e., Dr. George A. Easley '09, Dr. Mervin J. Kelly '14 and Enoch R. Needles '14. Lesser lights in the group were N. B. Battermann '43, E. P. Volherbst '43, G. W. Axmacher '42, F. B. Rogers '41, H. F. Bottcher '43, C. H. Lambur '33, E. A. Crawford '29, H. R. Berry '25, R. O. Day '25, C. B. Kentnor '24, W. S. Remmers '23, G. F. Barnwell ex-'22, James L. Head '16, O. D. Neal '14, J. S. Stewart '10, E. E. Squier ex-'05 and Luman Long.

We were particularly interested in hearing of the arrangements, many of them frankly make-shift, for the housing, feeding and proper instruction of the unprecedented enrollment of more than 2100. The Dean told of the plans for the 75th Anniversary and Homecoming Celebration and how the crowded conditions in Rolla had necessitated the restriction of the occasion to more or less of a "family affair" instead of one of national scope, which it would normally have been. He did not hesitate to speak frankly of the irritations which seemed traditionally to be the lot of any head of MSM. We in New York City are too far removed from Rolla to take sides in what generally appears to us to be petty controversies, but we are convinced, nevertheless, that Dean Wilson is giving MSM one of the most loyal and intelligent administrations in the history of the school.

We are looking forward to entertaining Dean Wilson and we hope President Middlebush, as well as a number of the department heads, on March 18 (practically St. Pat's, mind you) in connection with the functions and ceremonies incident to the celebration of the 75th Anniversary of the founding of the American Institute of Mining and Metallurgical Engineers here in New York City at that time.

Alumni Meet at Atlantic City

A group of alumni who were attending the National Metal Congress and the American Society for Metals and the Metals Division of the American Institute of Mining and Metallurgical Engineers at Atlantic City, N.J., on the week of Nov. 18 met at an alumni luncheon. Those attending included Elmer Gammeter '26, Roger O. Day '25, Albert H. Hoffman Jr. '44, R. S. Dean '15, J. L. Gregg '23, E. P. Volherbst '43, T. E. Gregory '43, H. W. Pracht '43, David H. Mackey '40, Jim Kiesler '39, Harry Tushman '39, F. J. Schmitt '32, J. R. McCarron '32, L. H. DeWald '33, L. Schapiro '24, A. F. Golick '18, T. E. Eagan '25. Also attending the meeting were three students from MSM: W. J. Barnett, Roger Moeller, and Robert L. Ray. Dr. A. W. Schlechten, head of the Metallurgical Engineering department, was likewise in attendance.

All alumni and former students who would like to be placed on the mailing list to receive notices of the bi-monthly luncheons and other meetings of the New York Section are invited to communicate with James L. Head '16, Room 1760, 25 Broadway, New York 4, New York.

New York Group Holds Post-Homecoming Meeting December 10

Talks by Mr. Head on the 75th Anniversary and Homecoming celebrations, and by Harold C. Miller '39, were the chief items on the program at the Bi-monthly Luncheon of the New York Group at the Mining Club on Dec. 10. Miller, who has just returned from a visit to England, France, Switzerland and Northern Italy, had some interesting things to say about living conditions and his experiences in those countries.

The approaching holidays and the usual conflict of business and other engagements kept the attendance down to eleven. A newcomer to the group was E. L. Karraker '32, of Waltham, Mass., who had as his guest, Mr. R. E. Speckman, MIT '44. The others present were E. E. Squier ex-'05, M. S. Mazany '09, E. R. Needles '14, James L. Head '16, M. E. Badollet '21, H. C. Miller '39, E. P. Volherbst '43, W. J. Wagert '43 and H. S. McQueen.

The next luncheon is scheduled for February, at which time the plans for the MSM Alumni Dinner to be held on March 18, will be discussed. This dinner will be one of the functions in connection with the AIME's 75th Anniversary celebration, and it is expected that many visiting MSM men and representatives from the faculty at Rolla will be present.

St. Louis Section Plans Meeting

Mr. Fred Matlack, secretary of the St. Louis Section writes that the Section has not been very active in the past several months during this reconversion — or more commonly called the recession stage—after the end of the war. Plans are being made for a meeting of this section soon after Jan. 1. Persons wishing to be placed on the mailing list of the St. Louis Section should contact Mr. Matlack at 5566 Clemens avenue, St. Louis 12, Mo.

Section Heads Listed

These are your section chairmen or secretaries. Contact them for any information regarding meetings of MSM Alumni in the near future.

James L. Head, Room 1760, 25 Broadway, New York, N.Y.
New York Section (including Pennsylvania, West Virginia and Virginia and New England states.)

John F. Helmerichs, 15919 Hazel Ave., East Cleveland, O.
Cleveland Section.

L. E. Grafft, 261 Ellsworth St., Gary, Ind.
Chicago Section (includes Southern Michigan and Wisconsin).

Fred Matlack, 5566 Clemens, St. Louis, Mo.
St. Louis Section (includes Southern Illinois).

M. H. Thornberry, Yates Hotel, Joplin, Mo.
Tri-State Section (includes Southwest Missouri, Northeast Oklahoma and Southeast Kansas).

Joseph Wanenmacher, 329 Kennedy Building, Tulsa, Okla.
Tulsa Section.

Barney Nuell, 530 West Sixth St., Los Angeles, Cal.
California Section.

COMMITTEE REPORTS

Report of 1946 Membership Committee

By JAMES L. HEAD '16, Chairman

The Membership Committee of the Alumni Association can take little credit itself for obtaining a paid-up membership in 1946 of 1047, including 41 life members.

The good start towards this total was made, as it always will be, by mailing out individual dues statements to all graduates whose addresses were known. Many sample copies of the *Alumnus* were mailed out early in the year and served as eloquent arguments for joining the Association. Postal regulations, however, limited the distribution of sample copies so that we were unable to follow up along this line.

No reports were received by the Chairman as to membership campaign activities of our local groups, but undoubtedly the various section chairmen were responsible for many new members. As an indication as to what can be done along this line, the Chairman mailed out in May, copies of the *Alumnus* accompanied by a personal letter to thirty non-members in the metropolitan New York area. As a result, ten of these became members. This method will be repeated in 1947 and an effort will be made to reach by personal letter every non-member in the New York area. A similar plan was followed by the Houston Section. Publicity by the Chairman for the 30th Reunion of his Class ('16), during the recent Homecoming, resulted in additional members, several of whom were non-graduates.

Dean Wilson and thirteen others of his faculty and staff who are not graduates of the school gave tangible evidence of loyalty and support by becoming Associate Members.

The following table shows the distribution of the 1946 membership by classes and the relation of the Association membership to the number of living graduates for each class. The non-graduate figures have not been distributed.

Class	Number of Living Grads	Number of Members	% Members	Class	Number of Living Grads	Number of Members	% Members
1878	1	1	100	1917	29	10	34.6
1882	1	1	100	1918	19	11	57.7
1884	2	2	100	1919	14	8	57.0
1887	2	1	50	1920	48	23	48.0
1891	3	0	0	1921	60	13	21.6
1892	3	3	0	1922	66	27	40.9
1893	2	1	50	1923	82	37	45.0
1894	2	0	0	1924	41	12	29.2
1895	4	0	0	1925	62	22	35.4
1897	4	0	0	1926	58	17	29.3
1898	3	1	33.3	1927	61	19	31.2
1899	6	2	33.3	1928	66	14	21.0
1900	2	0	0	1929	68	26	38.2
1901	7	2	29.6	1930	64	16	25.0
1902	9	2	22.2	1931	81	17	21.0
1903	11	4	36.4	1932	99	27	27.2
1904	11	4	36.4	1933	112	22	19.6
1905	15	4	26.6	1934	90	15	16.7
1906	15	5	33.3	1935	77	16	27.8
1907	17	5	29.4	1936	79	22	27.8
1908	19	4	21.0	1937	88	24	27.3
1909	27	11	40.8	1938	93	37	38.9
1910	29	17	58.5	1939	118	40	33.9
1911	28	15	53.5	1940	153	56	36.6
1912	32	15	46.9	1941	147	56	38.1
1913	16	10	62.5	1942	209	97	46.3
1914	21	10	47.6	1943	191	91	47.3
1915	12	6	50.0	1944	140	64	45.7
1916	33	14	42.4	1945	35	19	54.3
				1946	43	7	18.0
Totals					2830	1005	35.5

Non-graduate members	28
Associate members	14
TOTAL MEMBERSHIP	1047

The graduating classes starting with 1939 and continuing through 1944 were the largest in the school's history and they have supplied the greatest number of Association members. In order they stood 1942, 1943, 1944, 1941, 1940, 1939. The runners up from the earlier and smaller classes were 1938, 1923, 1922, 1932. The order on the basis of members to graduates would be different, as seen by the table.

The goal for 1947 is a greatly increased membership. With only thirty-five percent of the living graduates enrolled in 1946 there is ample opportunity to double the membership among the graduates alone. A start was made at the time of the registration for Homecoming. Many paid their 1947 dues when registering. Individual dues notices will be mailed out the first of the year and such sample copies of the *Alumnus* as can be distributed will be sent to present non-members. It is hoped to sign up more of the faculty as Associates. But the most fertile field for expansion is among the non-graduates. Only twenty-eight were enrolled in 1946. Many of our former students have as strong an attachment for the school as the graduates themselves. They have been too long neglected and they are pleased when they find that they are still considered as MSM men. Three of the forty-one life members are non-graduates.

The Alumni Office and Registrar's Office in Rolla will do everything possible to boost the enrollment, but the goal can be reached only by the efforts of the local groups and the Class Secretaries, generally by personal contact.

Statement of Receipts, Disbursements and Investments of Alumni Association

October 25, 1945 to October 31, 1946

By HOWARD M. KATZ, Secretary-Treasurer

RECEIPTS

Cash on hand Oct. 25, 1945	\$ 128.71
Cash in bank Oct. 25, 1945	2,788.29
Association dues	5,193.00
Interest on bonds	146.64
Advertising	114.00
TOTAL	\$8,370.64

EXPENDITURES

Salaries	\$2,052.32
Printing of <i>Alumnus</i>	3,920.94
Postage	444.75
Miscellaneous Expenses	
Travel allowance for Administrative Secretary	\$300.00
Petty cash for Rolla Office	45.00
Audit of accounts of Secy.-Treas. for period from Sept. 5, 1940 to Oct. 25, 1945	25.00
Bond of Treasurer	18.75
Office Supplies	106.34
Freight and Express	5.95
Preparation of Federal Tax Form No. 990	15.00
TOTAL	\$6,934.05
Cash in bank Oct. 31, 1946	1,388.38
Cash on hand Oct. 31, 1946	48.21
TOTAL	\$8,370.64

ACCOUNTS PAYABLE

	\$ 568.95
NATURE OF INVESTMENTS	
U.S. Treasury Bonds @ 2 7/8% (1955-60)	\$1,300.00
U.S. Treasury Bonds @ 2 3/4% (1948-51)	1,300.00
Series G Savings Bonds-12 year maturity	2,600.00
TOTAL	\$5,200.00

MISCELLANEA

Posthumous Award for Hugh Tistadt Jr. ex-'38

The Bronze Star Award, awarded posthumously to First Lieutenant Hugh A. Tistadt Jr. of Caruthersville, Mo., who died in a Japanese prison camp in Japan, was presented to his father, Hugh A. Tistadt Sr. in Carthursville, Monday, Sept. 23, by Sgt. William Arnold, Army Recruiter.

Lieut. Tistadt also received a letter of commendation from the Commanding Officer (Army) on Bataan and the Presidential Citation for his work in removing wounded men under fire "over and beyond the regular call of duty." These honors were given Lieut. Tistadt while his group was fighting in the vicinity of the James Ravine sector.

Hugh was a First Lieutenant in the United States Marine Corps, and from April 8, to May 6, 1942, was stationed on Corregidor as Executive Officer, H Company, Second Battalion, Fourth Marine Regiment. He attended the Missouri School of Mines during the school year 1934-35, after which he received an appointment to the United States Naval Academy at Annapolis. He graduated from Annapolis with honors and chose as his branch of service the Marine Corps. He was stationed at Corregidor when the Japs attacked and was with the group which surrendered. He was in several prison camps in the Philippines and later was transferred to a prison camp in Japan. He died a short time before the Japanese surrendered.

MSPE Sponsors Lecture Series for MSM Students

By E. W. CARLTON, Professor of Civil Engineering

The series of seven lectures on professional problems sponsored by the Missouri Society of Professional Engineers in cooperation with the campus chapters of technical societies is being presented during the present school year.

This series of talks is being presented by outstanding practicing engineers and aims to visualize the critical but neglected period (or what is known as the experience period) between graduation and maturity as a professional man. To the student in the engineering school, graduation has

been a coveted goal for four years of study; his curriculum has been clearly defined; instructors have been expert guides; the whole environment subserving his progress. After graduation, the young engineer must usually find his own way; objectives are vague; he has no specified curricula; environment may be depressing; he finds obstacles and must make detours; guide posts are few and human guides are largely accidental. These four to six years subsequent to graduation are indeed a critical period and it is the plan of the Missouri Society of Professional Engineers' series of programs to acquaint the upper classman with the problems ahead and be of such assistance that will make this critical period easier to understand and conquer.

This is the first experience in having a professional engineer come to the MSM campus to assist the undergraduate in a fuller understanding and appreciation of the job ahead. The following program has been definitely arranged and should prove to be a real step toward enlightening and assisting graduates over the critical years immediately following graduation. The speakers are as follows:

1. "The Engineer's Place In and Responsibility To Society" by C. G. Roush, Manager, Westinghouse Electric Co., Kansas City, Mo.
2. "Professional Ethics" by E. B. Black, Black & Veatch Consulting Engineers, Kansas City, Mo.
3. "Labor Laws" by Stanley Garrity, Attorney, Kansas City, Mo.
4. "Registration of Engineers" by Bruce Williams, Bruce Williams' Laboratory, Joplin, Mo.
5. "The Engineer in Public Service" by Garvin Dyer, Utility Manager, Springfield, Mo.
6. "The Engineer in Private Practice (Consulting)" by L. J. Sverdrup, Sverdrup & Parcel Consulting Engineers, St. Louis, Mo.
7. "The Engineer in Administrative Organization" by Howard I. Young, Mining Engineer, President, American Zinc, Lead and Smelting Co. and President, American Mining Congress.

Homecoming Registration (Continued from Page 6)

Gilbert G. Haas, 307 S. Seneca, Bartlesville, Oklahoma.
 Carl Johnk, 1009 Rolla St., Rolla, Mo.
 J. T. Karbosky*, Box 2015, Philrich Br., Borger, Tex.
 Paul W. Kloeris Jr., 506 N. Elmwood, Waukegan, Ill.
 Kent Martin*, Lamar, Mo.
 C. L. Merrell, 1218 S. Dewey, Bartlesville, Oklahoma.
 Oscar Muskopf, 4542 N. Kingshighway, St. Louis, Mo.
 G. A. Naert, 3960 Wilmington, St. Louis, Mo.
 R. S. Radcliffe*, 221 E. Jefferson, Kirkwood, Missouri.
 R. L. Thias, 3946 Dover Pl., St. Louis, Mo.
 J. W. Zoller*, 865 Sylvan lane, Wichita, Kan.

1943

Joe T. Adams*, 3446 Shenandoah, St. Louis, Missouri.
 E. H. Barnett, 603 Easton, Alton, Ill.
 J. P. Berndt, 1603½ W. Washington St., Charleston, West Va.
 Irene Davis, Box 224, Rolla, Mo.
 J. H. Doerres, 3920 Filmore, St. Louis, Mo.
 W. J. Dolingoff, 1010 West 4th St., Sedalia, Missouri.
 H. W. Flood, Wright Field, Dayton, Ohio.
 Don Geiger, 208 W. 11th St., Rolla, Mo.
 James Glover, 1047 Forest Ave., St. Louis, Mo.
 L. W. Higley, 5404 Washington, Downers Grove, Ill.
 T. J. Hoby*, 7801 Yates, Chicago, Ill.
 F. M. Kiburz, Box 230, Rolla, Mo.
 Henry Kurusz*, 1265 Moorlands, Richmond Heights, Mo.
 C. A. Lambelet, 1001 Elm St., Rolla, Mo.

R. P. McMath*, 615 Newport Ave., Webster Groves, Mo.
 John Mazzoni*, 4562 Queens Ave., St. Louis, Missouri.
 K. H. Mooney, 4111 West Rosalie, St. Louis, Missouri.
 A. L. Petersen, 312 Royal Pl., Ferguson, Mo.
 R. K. Rasmussen, 5310 Emerson Ave., St. Louis, Mo.
 F. C. Rehfeld*, 1208 N. Pine St., Rolla, Mo.
 Paul B. Rothband, 302 S. Moorison, Collinsville, Ill.
 D. H. Short*, 1306 Pine St., Rolla, Mo.
 Gabriel G. Skitek*, 407 E. 11th St., Rolla, Mo.
 John L. Wiedex*, 3805 Hereford St., St. Louis, Mo.

1944

W. J. Barnett, 707 State St., Rolla, Mo.
 John Burst, Rolla, Mo.
 R. Dietz, 4596 W. 174th St., Cleveland, Ohio.
 J. E. Dueker*, 900 West 12th St., Rolla, Mo.
 W. J. Goodwin, 1013 Morrell, Rolla, Mo.
 Albert Hoffman*, 3620 Leeward Ave., St. Louis, Mo.
 William A. Hubbard, 5089 Waterman, St. Louis, Mo.
 E. S. Isenmann, Warrenton, Mo.
 R. W. Jamison, Box 515, Chickasha, Okla.
 J. D. Jenkins*, 7306 Wyandotte, Kansas City, Missouri.
 Peter Mushovic, Box 427, Rolla, Mo.
 Hans Schmoldt*, Box 2391, Philrich Br., Borger, Tex.
 Kenneth W. Schoenberg*, 3405 Shenandoah, St. Louis, Mo.
 R. F. Summers, 13220 Woodward, Highland Park, Mich.

1945

C. E. Finley*, Lamar, Mo.
 William Kehner, 4348 N. Prairie, St. Louis, Missouri.
 A. W. Lindberg*, Cuba, Mo.
 Bob Rock, 2009 DeSoto Ave., St. Louis, Mo.
 Fred W. Schmitz*, 1608 South Center St., Terre Haute, Ind.
 H. F. Webers, 5152a Eichelberger, St. Louis, Missouri.

1946

Arthur Meenan, 612 Holly Hills Blvd., St. Louis, Mo.
 S. J. Pagano*, 1605 N. Rolla St., Rolla, Mo.

Others

J. H. Bowen, 804 E. 10th St., Rolla, Mo.
 Glenn C. Boyer, Mech. Engr. Dept., MSM, Rolla, Mo.
 E. W. Carlton, Civil Engr. Dept., MSM, Rolla, Mo.
 J. D. Forrester, Mining Dept., MSM, Rolla, Missouri.
 O. R. Grawe, Geology Dept., MSM, Rolla, Mo.
 G. R. Guinnup, Mech. Engr. Dept., MSM, Rolla, Mo.
 P. G. Herold, Ceramics Dept., MSM, Rolla, Missouri.
 Noel Hubbard*, Registrar, MSM, Rolla, Mo.
 J. J. Jelinek, Dept. of Humanities, MSM, Rolla, Mo.
 W. T. Schrenk*, Chemistry Dept., MSM, Rolla, Mo.
 Curtis L. Wilson*, Dean, MSM, Rolla, Mo.
 NOTE: Anyone who paid 1947 dues during the Homecoming week-end, but is not listed above as a paid member of the Alumni Association as indicated by "*" should write to the Rolla Office, Alumni Association, Box 559, Rolla, Mo.

ALUMNI PERSONALS

Births

Mr. and Mrs. Robert L. Hanna announced the birth of a daughter, Elaine Marie, on Oct. 31. Mr. Hanna was graduated from MSM in 1943. The Hanna's live at RFD 1, Fayetteville, New York.

A daughter, Mary, was born to Mr. and Mrs. W. A. Ford on Nov. 8. Mr. Ford, a member of the Class of 1938, is employed by the Frank Horton Consulting Engineering firm in Lamar, Mo.

Mr. and Mrs. Robert S. Green have announced the arrival of a baby girl, Nancy, born Oct. 12. Bob, who graduated with the Class of 1933, is president of the A. P. Green Firebrick Co., Mexico, Mo.

R. J. Cunningham '42 and Mrs. Cunningham announce the arrival of a boy, Richard J. Cunningham Jr., born Oct. 25. Richard is employed by the U.S. Engineers, Omaha, Neb. His address is 2200 South 60th street, Omaha, Neb.

Deaths

Mr. Wayman Crow '21 died October 14 at his home in La Jolla, Cal. He was 50 years old. He was the organizer of the Aircraft Parts Mfg. Co., retired president of the Langley Corp. of San Diego, Cal., and was formerly representative in Honolulu of the A. P. Green Firebrick Co. Surviving are his wife, Mrs. Mary Moore Crow and two daughters, Gay and Charlotte Ann Crow. Mr. Crow, a former resident of St. Louis, Mo., was a collateral relative and namesake of Wayman Crow, merchant and philanthropist, founder of the St. Louis Art Museum and School of Fine Arts.

Word has been received that Mr. Coral T. Heydecker ex-'11 died in March, 1943. He was practicing attorney in Waukegan, Ill., at the time of his death. Mrs. Heydecker is living at 907 Westmoreland avenue, Waukegan, Ill.

Mr. C. E. Peterson '16 died of a heart attack Sept. 9 in Washington, D.C. He had recently returned from a trip to Europe in the interest of Ventures, Ltd., by which company he had been retained since his war-time connection with the Foreign Economic Administration in Washington.

Dr. M. A. Boyes ex-'06 died Nov. 11, 1942, it was revealed in tracing Alumni through the Rolla Office. Dr. Boyes lived at 1024 Market street, Parkersburg, West Va.

The Rolla Office received information that Mr. William H. Backer '24 died March 9, 1946. Mr. Backer was a metallurgist for the St. Louis Smelting and Refining Co., in Baxter Springs, Kan., according to his Alumni file record.

Weddings

Miss Jeanne Bradfield of Baltimore, Md., became the wife of Pvt. Harold W. Flood on Nov. 2. The wedding was held at St. Matthias Church in Baltimore and the couple stopped in Rolla during Homecoming while on their wedding trip. Pvt. Flood has been stationed at Wright Field, Ohio, but plans to be discharged from military service soon.

Miss Maurita Estes of University City, Mo., and Cornelius F. P. Stueck '43, were married Oct. 18 at the University Methodist Church in University City. Don Coolidge '43 was a member of the wedding party. Mr. Stueck is employed by the Stupp Brothers Bridge and Iron Works in St. Louis and the couple live at 5186 Maple avenue, St. Louis, Mo.

Mr. Roy W. Hayden ex-'15 and Mrs. Hayden announced the marriage of their daughter, Lucinda, to George Thomas Grant on Nov. 8 in Hannibal, Mo. Mr. Grant is a student at MSM and he and his wife will make their home in Rolla.

Miss Elizabeth Holman of Dubuque, Iowa and Austin E. Daily '44 were married Oct. 5 in Dubuque. Austin and his wife are making their home at Hotel Week, Bellevue, Iowa.

Miss Adele Katz, daughter of Mr. and Mrs. Howard M. Katz '13, of Rolla, will become the bride of Dr. Thomas Boyd Dominick of Tuscaloosa, Ala., on Dec. 28. Miss Katz who will be remembered as a former MSM student and 1942 Winter Carnival Queen, was graduated from Northwestern University in June, 1946. Dr. Boyd was graduated from Washington University in St. Louis. He is a radiologist at City Hospital in St. Louis. The wedding will take place in Rolla.

1901

Denard W. Buckby writes that he regrets not being able to attend the Homecoming celebration and sends regards and best wishes to all his friends. Mr. Buckby lives at 208 West 52nd St., Seattle, Wash.

1902

C. B. Rogers sends his home address as 318 Sergeant Ave., Joplin, Mo.

1906

In a recent letter Robert H. Bedford informed Frank B. Powell that "in various places from South America to Siberia I have met younger men from Rolla, but I have not seen many of the 1906 vintage. We now have a three-year-old grandson. By great good luck, our son who was at Pearl Harbor, Tulagi, Guadalcanal and Bougainville with the Marine Corps came through with nothing worse than malaria." Mr. Bedford lives at Los Gatos, Cal.

George H. Blackman lives at 22 Aberdeen Pl., St. Louis, Mo.

Walter W. McMillen sends his home address as P.O. Box 153, Superior, Ariz.

Herbert H. Soest is with the Paso Robles Laboratory in Paso Robles, Cal. He lives at 1929 Lovelace Pl., Los Angeles, Cal.

1909

Edward P. Barrett is Chief of the Minneapolis Division, Metallurgical Branch, U.S. Bureau of Mines. He lives at Mound, Minn.

1910

J. D. Harlan sends the information that he has moved from Santa Barbara, Cal., to 903 Union St., Seattle, Wash.

1911

E. J. Allen lives at 519 Woodford St., Lawrenceburg, Ky.

Shiv Raj of the Traders' Bank, Ltd., Lahore, India, writes to James L. Head '16, the follow-

ing: "In India opportunities for developing industries appear to be very promising and it is also likely that India now will consider expansion in this direction."

Sam P. Lindau lives at 108 N. Harvard Blvd., Los Angeles, Cal.

Conway G. Williams is with the Utah Mining Co. at Magna, Utah.

1912

Henry E. Adams, Concentrator Superintendent for the Inspiration Consolidated Co., Inspiration, Ariz., was in New York City on business during the first week of October.

M. H. Thornberry is teaching mathematics at the Joplin Junior College, Joplin, Mo. "Thorny" is living at the Yates Hotel, Joplin.

1913

J. F. Seward is with the Frisco railroad. His business address is 715 Frisco Bldg., St. Louis, Mo., and he lives at 5340 Murdoch Ave., St. Louis.

ALUMNI PERSONALS

1916

Send news items to: James L. Head, Secy., Class of 1916, Room 1760, 25 Broadway, New York, N.Y.

Robert Craig gives his address as 512 N. La Cienega Blvd., Los Angeles, Cal.

Arthur B. Harrington is living at 309 East Fairview, Inglewood, Cal.

J. J. Krebs sends his address as 8234 Palmetto St., New Orleans, La.

Charles A. Lee is a member of the staff at Washington University, St. Louis, Mo. He lives at 203 Bompert Ave., Webster Groves, Mo.

James T. Lee's home address is California, Mo. William H. McCartney is living at Forbing, Louisiana.

H. A. Neustaedter, who is employed by the St. Louis Smelting and Refining Co., lives at 5635 Eichelberger Ave., St. Louis, Mo.

Henry A. Paar lives at 217 East Second South St., Jackson, Mo.

1917

Major Emmett L. Arnold writes that he is on duty with the Washington recruiting station, 403 Tenth St., N.W., Washington, D.C. His home address is Box 484, McAllen, Tex.

George H. Kublin is Chief Engineer of the General Motors Overseas Operation, 4-235 General Motors Bldg., Detroit, Mich. He accepted his present position in December, 1945. For four years prior to this time he was Chief Engineer of the Fisher Tank Section of the General Motors Corp.

Robert P. Lyons of the Hoover-Lyons Construction Co., 8600 Wayne Ave., Kansas City, Mo., lives at 28 East 69th St., Kansas City, Mo.

1918

C. W. Bower is living at 820 Woodbine Ave., Glendale, Ohio.

1919

Willis G. Pryor is with the Big West Drilling Co. His address is Box 137, Lisbon, La.

1921

Meyer Gollub's permanent address is 7466 Stanford Ave., University City, Mo.

William Kahlbaum is with the Metals Disintegrating Co., Inc., P.O. Box 290, Elizabeth, N.J.

1922

F. R. Halasey is living at 352 North 82nd St., East St. Louis, Ill.

A. K. Schaeffer's home address is 402 Hovey Ave., Springfield, Mo.

G. S. Wyman, Mine Superintendent of the Chile Exploration Co., Chuquicamata, Chile, and Mrs. Wyman sailed from New York for Chile on Oct. 11 after a vacation in the United States. Their two sons are students at Blair Academy, Blairstown, N.J.

Robert L. Yaeger is with the Pure Oil Co. at Olney, Ill. He lives at 604 East Chestnut St., Olney.

1923

Paul E. Fischer is employed by the Certain-teed Products Corp., 120 South LaSalle Street, Chicago, Ill. His home address is 1327 Maple St., Evanston, Ill.

Muir Frey, assistant to the General Works manager of the Allis-Chalmers Mfg. Co., Milwaukee, Wis., spoke to members of the student chapter of the American Society of Metals at a meeting on the campus Nov. 8. Frey's home address is 6419 West Wisconsin Ave., Milwaukee, Wis.

Russell G. Kenyon works for the Division of Highways, Ottawa, Ill., and lives at 900 West Main St., Ottawa.

1924

Harry H. Kessler lives at 7540 Wellington Way, Clayton, Mo. His business address is Room 811, Ambassador Bldg., St. Louis, Mo.

1925

Keith O. Alexander is sales engineer for the Neil H. Peterson Co., Folsom St., San Francisco, Cal. His home address is 112 Colton Ave., San Carlos, Cal.

Herbert E. Barnard is a member of a law firm at 506 Olive St., St. Louis, Mo. He lives at 520 East Dr., University City, Mo.

George F. Berry is employed by the Cities Oil Co., Oil Hill, Kan. His home address is 119 South Summit St., El Dorado, Kan.

George T. Crouse is with The Texas Co. at Mattoon, Ill.

1926

Ray Kollar writes that his present address is 2611 S. Boston Pl., Tulsa, Okla.

J.A. Rood is employed by the St. Louis Smelting and Refining Co., and lives at 4014 Potomac street, St. Louis, Mo.

1927

Robert W. Abbett has been discharged from the Navy with the rank of Lieutenant Commander and is a partner in the Knappen Engineering Co., Consulting Engineers, 280 Madison Ave., New York 16, N.Y.

Fred Clearman is Plant Manager for the Eagle-Picher Lead Co., Galena, Kan.

Raymond Hallows is Assistant to the President of the Eagle-Picher Lead Co., at Cincinnati, Ohio.

1928

Charles W. Ambler Jr. writes that in July he purchased the Missouri Testing Laboratory, 1014 Chouteau Ave., St. Louis, Mo., and is engaged in all types of chemical and metallurgical analysis and testing.

R. P. Baumgartner has been discharged from the Army and again is working for the Westinghouse Electric Co. Rupert writes that he has four sons, the oldest being 16 years old and a junior in high school. The Baumgartners live at 1648 Miriam St., Pittsburgh, Pa.

1929

Dr. Arthur L. Bradford is Professor of English at the New York State College for Teachers, Buffalo, N.Y.

E. A. Godat is living at 5022 S. Gramery Pl., Los Angeles, Cal.

Weston C. Jones was on the campus Nov. 5 interviewing graduating engineers for possible employment with his company, the Owens-Corning Fiberglas Corp. Jones is Mechanical Designs Supervisor for Owens-Corning. His home address is 550 Maple Ave., Newark, Ohio.

Luther W. Murray has been discharged from the Army with the rank of Major. He writes: "I have established the M & M Hiway Materials Co. of Columbia, Mo. We fabricate corrugated metal culverts and deliver any place in the state of Missouri." His home address is 705 Hickman Ave., Columbia, Mo.

1930

Pat McDonald lives at 2128 Harden Dr., Oklahoma City, Okla.

H. O. Scheer sends his address as Box 237, Quincy, Ill.

Daniel C. Shay has offices at 212 Fratt Bldg., Billings, Mont. His home address is 207 North 34th St., Billings.

1931

A. R. "Ted" Baron is living at Fredericktown, Missouri.

Richard Gerling is with the Morris P. Kirk and Son, Inc., 2717 S. Indiana St., Los Angeles, Cal. He lives at 2524 W. 154th St., Gardena, Cal.

Ralph C. Graham, Chief Geologist for the Tennessee Gas and Transmission Co., Houston, Tex., has been elected to membership in the AIMME.

B. W. Treible wrote recently expressing his regrets for being unable to attend the Homecoming. His home address is 901 N. George St., Rome, N.Y.

1932

Stephen M. Molloy, metallurgist at the Bureau of Mines' Rolla Station, has been elected to membership in the AIMME.

1933

Raymond W. Borchers writes that he was on duty with the Army Corps of Engineers from January 1941 to January 1946. He served in Europe from September 1944 to October 1945. He is now working for the Switchyard and Substations Section of the Bureau of Reclamation, Denver Federal Center, Denver, Colo. His home address is 1628 Colorado Blvd., Denver.

Charles H. Lambur is Assistant to the Vice President of Operations of the Simpson Creek Collieries Co., Inc., 120 Wall St., New York.

Robert H. Latham is with the Great Lakes Pipe Line Co., Box 611, Alexandria, Minn.

1934

William E. Bates is with the Plans Division

of the Tennessee State Highway Department in Nashville. His home address is 2103 Capers Ave., Nashville.

John D. Berwick sends a change of address to 553 S. Central Ave., Woodriver, Ill.

Homer Ford sends a change of address to 912 Colonial St., Springfield, Mo.

Edward A. Hein is living at 8 Briar lane, Newark, Del.

Roy E. Swift is working toward his Doctor's degree at Yale University. His home address is 380 Huntington St., New Haven, Conn.

1935

Cmdr. Thurber W. Royer has been transferred from the East Coast to California. His address is 606 Naomi Ave., Arcadia, Cal.

Arthur R. Towse Jr. lives at 1117 N. Rutherford St., Macon, Mo.

1936

John A. Fenner sends a new address: 3911 Eiler St., St. Louis, Mo.

John H. Hall is living at 1020 S. Seventh St., Springfield, Mo.

P. H. Houseknecht is with the General Chemical Co., 1050 S. Park Ave., Buffalo, N.Y.

Don F. McCarron is employed by the Knapp-Monarch Co., St. Louis, Mo.

Herman J. Pfeifer is living at 635 East 18th St., Chicago, Ill.

1937

Walter L. Holz is employed by the Oil Field Electric Co., Inc. His address is Box 371, Carmi, Ill.

Marshall W. Taylor, II, is employed by the Magnolia Petroleum Co., Box 1550, Alice, Tex.

1938

James D. F. Evans is still in Cuba. His address is Minas de Matahambre, Pinar Del Rio, Cuba.

F. T. McCrae has accepted a position with the Midland Electric Coal Corp., Farmington, Illinois.

Roy W. Matthews has moved from San Francisco to 11 Van Ripper Ct., Sleepy Hollow, San Anselmo, Cal.

H. W. Mollet was on the campus Oct. 22. He is employed by the Joseph E. Segrant & Sons, Inc., Louisville, Ky. His home address is 1219 Larchmont, Louisville.

P. E. Silver Jr. was visiting the campus Oct. 10. Pete is with the Carnegie-Illinois Steel Corp. His home address is 7440 Phillips Ave., Chicago, Ill.

Henry O. Steinmetz is employed by the Standard Brake Shoe Foundry Co., Memphis, Tenn. He lives at 3718 Rhea Ave., Memphis.

1939

Roy G. Brown lives at 5927 Wichham Ave., Newport News, Va.

Maj. Herbert F. Crecelius sends the following address: Hq., Army Ground Forces, Fort Monroe, Va.

Capt. Stuart Dods writes that he is leaving for Korea on Jan. 16, 1947. His first tour of duty overseas was in Puerto Rico, the second in Luzon and Japan, and the third will be in Korea. His mail will be forwarded from his home address, 3207 E. 30th Ter., Kansas City, Mo.

Maj. Marshall V. Jamison visited the campus Nov. 25. He is a pilot weather officer stationed with Hq., 9th Weather Sqdn., Borinquen Field, Puerto Rico. (APO 845, c/o Postmaster, Miami, Fla.) His home address is 611 S. Florence, Springfield, Mo.

C. T. Millice is with the Filtrol Corp., Jackson, Miss.

George E. Mueller has moved from Red Bank, N.J., to 2440 Delbert Rd., Columbus, Ohio.

E. F. Pohlman is living at 322 E. Fourth St., Waterloo, Ill.

John Soult is with the Fruin-Colnon Contracting Co., 1700 Olive St., St. Louis, Mo.

Vic Spaulding, representing the Bethlehem Supply Co., was on the campus Oct. 7 interviewing graduating seniors with a view to possible employment with his organization. Vic is living in Houston, Tex.

1940

William C. Alexander was discharged from the Navy in January 1946 and is employed by the U.S. Engineers Office, 120 Wall St., New

ALUMNI PERSONALS

York, N.Y. He is living at 47 Windemere Ter., Short Hills, N.J.

Theron R. Alford, Petroleum Engineer for the Mene Grande Oil Co., in Venezuela, S.A., has been elected to membership in the AIMME.

J. D. Ferrell has moved from West Virginia to 315 South 3 East, American Fork, Utah.

Russell A. Gund has resigned his position with the General Electric Corp., and has accepted a position with the Nelson Electric Mfg. Co., Tulsa, Okla.

A. J. Kiesler is Chief Foundry Metallurgist for the General Electric Corp. Works Laboratory, Room 116, 1 River Rd., Schenectady, N.Y.

David H. Mackey, 143 High St., Lockport, N.Y., is with the sales department of the Sidmonds Saw and Steel Co. Dave was vacationing in Rolla this fall with his wife, the former Edith Turner of Rolla.

Clarence C. Palmer sends his new address as 609 Cowan Ave., Pasadena, Tex.

1941

Send news items to: Wayne J. Bennetsen, Secretary, Class of 1941, 6327a Sutherland Ave., St. Louis 9, Mo.

Maj. and Mrs. A. A. Andrea were in Rolla Oct. 26. They were enroute to California where Maj. Andrea will be stationed with the 1504th AAF Base Unit, Fairfield-Suisun, Cal.

Charles F. Clarkson is a Field Engineer with the Schlumberger Well Surveying Corp. His home address is Box 883, Craig, Colo.

Clifford A. Corneau is employed by the U.S. Gypsum Co. His address is P.O. Box 1747, U.S. Gypsum Co., El Centro, Cal.

T/4 George R. Couch sends his present address at 250th Ballistics Det., N. Co., 10th Bn., Aberdeen Proving Grounds, Aberdeen, Md.

William Crockett is with the Richard C. Remy Son Co., Hedley St. and Delaware River, Philadelphia, Pa. Bill is living at 4530 Guilford Ave., Indianapolis, Ind.

John H. Dunn was on the campus this fall. He has been discharged from the Air Corps with the rank of Captain. During his service with the Army he was a maintenance officer for a troop command using the P-47 type airplane. He served in Africa, Sicily and Italy. His home address is 48 North 89th St., Belleville, Ill.

William J. Kilgour has moved from Niagara Falls. He now receives mail at General Delivery, Sanbourn, N.Y.

J. L. Lessman has accepted a position in the sales department of the Chester Electric Steel Co., Chester, Pa. His home address is 5 North Swarthmore Ave., Ridley Park, Pa.

Anthony C. Pautler has moved from Union, Mo., to 292 Ridgefield, Bridgeport, Conn.

Frank Rogers, who is with the Westinghouse Electric Co., at Bloomfield, N.J., gives his new home address as 262 Bergen Ave., Kearny, N.J.

Michael A. Scheriff is employed by the General Chemical Co., Galax, Va.

Robert L. Topper is employed by the J. F. Pritchard Co., Engineers and Constructors. He is field engineer and assistant superintendent on a job at Fairmont, West Va. His address is Box 627, Fairmont.

1942

Charles S. Black Jr. is with the Caterpillar Tractor Co., at Pekin, Ill. His home address is 621 Washington street, Pekin.

Hugh Clark is with the Counter-Intelligence Corps at Geiger Field, Wash.

Walter E. Doelling is employed by the Reynolds Metals Co. at their Lesterhill, Ala., plant. His temporary address is General Delivery, Florence, Ala. He expects to be transferred to another plant soon.

Gene Gottschalk is employed in the engineering department of the Glen L. Martin Co. He is living at 161 Edgewater Apts., Baltimore, Md.

Richard James is with the Southwest Bell Telephone Co. and lives at 20 West 36th St., Apt. 116, Kansas City, Mo.

Frank E. Johnson is living at 24 Eucalyptus Rd., Maplewood, La. He writes that he thinks this address will be permanent for a few years. He is Area Process Engineer in the Fluid Catalytic Cracking and Gas Recovery Department of the Cities Service Oil Co. Refinery, Lake Charles, La.

Kenneth R. Joynt is employed by the engineering department of the Magnolia Oil Co., at Kermit, Tex.

Joe Karbosky is with the Plains Plant of the Phillips Petroleum Corp. at Borger, Tex.

John Letter is employed by the B. F. Goodrich Co. in Borger, Tex.

Maj. Vernon T. Loesing has returned to Army service. His address is 463rd Base Unit, Geiger Field, Wash.

John H. Lyons is employed by the General Bronze Corp. John was discharged from the Army Oct. 12 with the rank of First Lieutenant. His home is at 51-53 47th St., Woodside, Long Island, N.Y.

Paul C. Nelson is a junior engineer in the direct current section of the Transportation and Generation Div., Westinghouse Electric Co., Pittsburgh, Pa. Paul's address is 808 Wood St., Wilkinsburg, Pa.

David W. Owens has accepted a position with the Allis-Chalmers Co., in Waukesha, Wis. His home address is 410 N. East Ave., Waukesha.

Herbert E. Pagel writes that he resigned his position with the Tennessee Coal, Iron and Railroad Co. and is now doing seismograph work for the Stanolind Oil and Gas Co. in Lubbock, Tex. He lives at 1409 Arnett St., Lubbock.

E. A. Rassinier is Division Reservoir Engineer for the Phillips Petroleum Corp. and has been transferred from Bartlesville to Oklahoma City, Okla. His address is: c/o Phillips Petroleum Co., P.O. Box 1947, Oklahoma City.

Gilbert R. Shockley is with the Wood Research Institute, Oglethorpe University, Ga.

Robert F. Winkle is a level boss at the Ray mine of the Kennicott Copper Co. His address is Box 392, Ray, Ariz.

Lee R. Woodworth is with the Gas Turbine Div., Preliminary Gas Engine Design, Westinghouse Electric Co. He is living at 117 Yale Ave., Swarthmore, Pa.

1943

E. Harvey Barnett sends a change of address. He is now living at 603 Easton, Alton, Ill.

William H. Bassett has been on terminal leave from the Navy and is living at his home on Lindorf Dr., East St. Louis, Ill.

N. W. Batterman has been employed by the W. S. Rockwell Co., Fairfield, Conn. His home address is 15 Sturges Rd., Fairfield.

James V. Carroll was a campus visitor Oct. 18. Jim is with the Aluminum Company of America. His home address is 6 Monroe Parkway, Massena, N.Y.

Don Coolidge sends his address as 1746 Hinman Ave., Evanston, Ill.

Wesley J. Dolingoff visited in Rolla on Oct. 10. He has returned from 26 months of service in the European theater and wears four battle stars. He is living at 1010 West Fourth street, Sedalia, Mo.

Edward E. Gyax has been employed by the Carrier Corp., 300 S. Geddes street, Syracuse, New York.

Thomas Gregory lives at 2219 N. Wanamaker street, Philadelphia, Pa.

Cpl. William G. Hoffmann is in the U.S. Army Air Forces stationed in Alaska. His address is Hq., 59th AACSGp., APO 942, c/o Postmaster, Seattle, Wash.

Herbert S. Kalish has received a research fellowship at the University of Pennsylvania. The fellowship offers an opportunity to complete work toward a Master's degree in Electrical Engineering. He formerly worked at the Battelle Memorial Institute in Columbus, Ohio.

Raymond O. Kasten is Assistant Technical Director of the Union Wire Rope Corp., 21st and Manchester Ave., Kansas City, Mo.

Herbert H. McColgin was on the campus Oct. 18. He has been discharged from military service and plans to enroll in school to complete his work toward a degree in Electrical Engineering. His home address is 610 Hampton, Joplin, Missouri.

Charles S. McCormick is with the McConnell Aircraft Corp. in St. Louis, Mo., and lives at 3408 Airway, St. Louis.

Horace L. Magee was a campus visitor this fall. He is on leave from military service after 31 months in the South Pacific. He is living at

his home in Caruthersville, Mo.

James A. Nuestaedter is with the Alcoa Mining Co., Box 1664, Ketchikan, Alaska.

Jean T. Shipman has been discharged from the Army with the rank of Captain. He is living at 816 Normal street, Springfield, Mo.

Edward P. Vollherbst who lives at 2035 Balmoral Ave., Union, N.J., is working in the X-Ray apparatus division of Westinghouse International Co., 40 Wall St., New York, N.Y.

Warren J. Wagert is located in New York City with the Shell Oil Co., 50 West 50th St., New York. His home address is South Broadway, Red Hook, N.J.

Clarence J. Wright has been discharged from the Army with the rank of First Lieutenant, and is living at 5031 Lotus Ave., St. Louis, Mo.

1944

James D. Dowd was a campus visitor this fall. He is with the Aluminum Research Laboratory, New Kensington, Pa., and is living at 332 Freeport lane, New Kensington.

L. A. Hartcorn is working on the General Electric Atomic program. His home address is Box 951, Richland, Wash.

Millard F. Kadera is living at 5438 Chippewa street, St. Louis, Mo.

Earl Kane is with the Phillips Petroleum Co., Gasoline Plant, Phillips, Tex.

Warren L. Larson is continuing his studies in the graduate school at MIT. He lives at the Graduate House 619-A, MIT, Cambridge, Mass.

Ernest J. Massard completed work for his Master's degree at the Chrysler Institute of Engineering last May. Ernie is teaching at the University of Detroit.

T. J. Mazzone lives at 3328 Park Ave., Indianapolis, Ind.

Robert E. Murphy visited the campus this fall while on terminal leave from the Army. He was discharged with the rank of 1st Lt. and served 18 months in the Far East. He has enrolled in school this term for some refresher courses.

Ralph E. Nuelle is living at 53 Arthur street, Yonkers, N.Y.

Richard Ollis has accepted a position with the Westinghouse Electric Co., Pittsburgh, Pa.

Albert W. Presnell is with the State Highway Dept., Bridge Dept., Jefferson City, Mo.

William Rule is Technical Investigator with the Eagle-Picher Lead Co., Galena, Kan.

Hans Schmoldt is employed by the Phillips Petroleum Co., Borger, Tex. His address is Box 2391, Philrich Br., Borger.

Kenneth W. Schoenberg was in Rolla on Oct. 15. Kenneth has returned from the service after serving two years overseas. He plans to return to school in February to complete work for a Master's degree in Civil Engineering.

Frank O. Schofro is living at 6330 Sutherland Ave., St. Louis, Mo.

Harry Scott has been discharged from the Navy and has accepted a position with Monsanto Chemical Co. He is living at 6926 Virginia Ave., St. Louis, Mo.

Kenneth N. Wygant is working in the Long Lines Dept., American Telephone & Telegraph Co., 140 West St., New York, N.Y.

1945

Allan W. Lindberg was discharged from the Navy recently with the rank of Ensign. He has accepted a position with the Research Foundation at Washington University in St. Louis, Mo. His home address is 1428 Big Bend Blvd., St. Louis.

Elmer Milz is with the Shell Oil Co. in Tulsa, Okla. He lives at 1323 E. 26th Pl., Tulsa.

Pfc. Earl M. Shank sends his address as AAF Bu. 612, Sqd. C., Elgin Field, Fla.

B. J. Sparlin is with the Westinghouse Electric Co. in Pittsburgh, Pa. His home address is 503 Greendale Ave., Pittsburgh, Pa.

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Joseph Cowan lives at 3372 Seminole avenue, South Gate, Cal.

Walter Kiburz is with the A. P. Green Firebrick Co. and lives at 822 S. Clark, Mexico, Mo.

Nils K. Nelson is attending the University of Illinois on a half-time graduate assistantship. His address is 606 W. Ohio street, Urbana, Ill.

Pvt. Frederick Richardson's address is: AM RS, Ft. Knox, Ky.