



Missouri S&T Magazine, March-April 1948

Miner Alumni Association

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MSM ALUMNUS

Missouri School of Mines and Metallurgy
ROLLA, MO.

VOL. 22

MARCH - APRIL :: 1948

NUMBER 2

\$500,000 Is Voted for Mechanical and Electrical Engineering Building

The State Legislature, just adjourned, provided an appropriation of \$500,000 for the construction of a new building to house the departments of Mechanical and Electrical Engineering. The bill is now on Governor Donnelly's desk and, subject to his approval, the new building will be started as soon as possible to provide badly needed space for the two largest departments on the campus. The new structure will be erected just west of Parker Hall and between the present Mechanical Engineering Building and the Old Power Plant Building. The Old Power Plant building will be demolished to make room for the new structure.

The original requests to the legislature included a Mineral Industries Building but with the rapidly expanding enrollment in both the Mechanical Engineering and Electrical Engineering Departments, President Middlebush and Dean Wilson, with the approval of the Board of Curators, asked the Senate Appropriations Committee to change the designation from the Mineral Industries Building to an Engineering Laboratories Building, which request was granted by the legislature. Senator E. W. Allison and Representative H. B. Rucker, both from Rolla, gave valuable support in gaining the approval of the legislature for the building.

This structure will fill a most important need on the campus. The Mechanical Engineering Department now has a large amount of war surplus material and the new "packaged power plant" secured from Westinghouse through the efforts of Past President of the Alumni Association, F. C. Schneeberger, '25, all of which is stored on the campus because of lack of laboratory rooms in which to assemble the material. The Electrical Engineering Department is working in badly crowded laboratory space and is holding classes all over the campus wherever a room can be found. Next fall

Commencement Speaker



WALTER E. REMMERS

they have classes scheduled through Saturday afternoon in order to find room space.

Dean Wilson stated that the construction of this building, if approved by Gov. Donnelly, would be

(Continued on Page 3)

W. E. Remmers, '23, to Give Commencement Address

Walter E. Remmers, '23, president of the Electro Metallurgical Company and of the Electro Metallurgical Company of Canada, Ltd., and other associated Metallurgical Units of Union Carbide and Carbon Corp., will deliver the commencement address on June 2, it has been announced by Dean Curtis L. Wilson.

Diplomas will be awarded to the largest graduating class in the history of the school by President Frederick A. Middlebush. Candidates for the degree of Bachelor of Science number 311, of these 51 will receive degrees in Mining Engineering, 42 in Metallurgy, 55 in Civil Engineering, 5 in Science, 47 in Mechanical Engineering, 48 in Electrical Engineering, 39 in Chemical Engineering, and 14 in Ceramic Engineering.

The degree of Master of Science will be awarded to 25 students. Glenn N. Hackmann, '37, will receive the professional degree of Civil Engineering.

The Reverend John T. Stewart, church editor of the St. Louis Star Times will deliver the Baccalaureate address.

Support Received From 'Old Grads'

Miners from all parts of the United States and South America have written in to the Alumni Association expressing their opinions on the Association as well as the "Alumnus."

From Bogota, Colombia, C. H. Dresbach, '29, writes, "It is a great pleasure to hear of the good progress the organization is making, as well as to receive news of old friends and former students. Best wishes for continued success, both to the Association and MSM."

Millard F. Kadera, '44, "I sincerely hope we reach our membership goal this year."

M. K. Main, '43, "Here's hoping for a bigger and better Alumni Association and school."

Harold G. Butzer, '47, "I am glad that the chairman of the Membership Committee, Hans Schmoldt, has not let down in his efforts to enroll all Alumni in the Association. It is through persistent effort that the School is what it is today. You may count on my support in the future."

R. Kent Comann, '43, "Best wishes to the Alumni for continued success and growth. If at any time I can be of help, please advise."

H. W. Decker, '34, "More power to the Association in '48."

Rex Alford, '34, who is with the Mene Grande Oil Co. in Barcelona, Venezuela. "Both my wife and I

(Continued on Page 2)

ALUMNI ACTIVITIES

Committee Named to Plan Over-All Program for Alumni Association

The Alumni Program Planning Committee has recently been created by President Hasselmann and the Board of Directors. The purpose of the committee is to plan an over-all program for the Alumni Association during the year.

Heading the committee is Dr. Mervin J. Kelly, '14, who is widely known throughout the scientific world. He has been with the Bell



DR. MERVIN J. KELLY

Telephone Company since 1918 and is director of research and executive vice president of the Bell system. He gave a major portion of his time during the war to the development of radar and was recently awarded by the Navy Department the Presidential Citation of Merit.

H. E. Zoller, '23, and George E. Mellow, '18, are the other two members of the Alumni Program Planning Committee. Hank Zoller is a prominent figure in the oil industry. He is president of the Derby Oil Company of Wichita, Kansas, and has had wide experience in the petroleum field, and for a time was production representative for the Shell Oil Company in the Hague, Holland. He was appointed by the Governor of Kansas to serve as a member of the Kansas Industrial Commission, and he is chairman of the Mid-Continent Oil and Gas Association and the American Petroleum Institute in Kansas.

George E. Mellow is a partner in the Liberty Foundry Company of St. Louis, makers of gray iron, steel castings and warm air furnaces. He is an interested Alumni of the School of Mines and has contributed equipment, valuable for use in laboratory work to the Metallurgy Department. He is the industrial sponsor of the MSM Chapter of the American Foundrymen's Association.

Trust Fund Established For Student Building

The MSM Chapter of the Blue Key National Honor Fraternity has established a trust fund to be used eventually for the erection of a Student Union Building. The fund will be administered by the Board of Curators with the Blue Key Chapter acting as the donor.

First it is planned to construct and equip a temporary building as soon as possible, and eventually raise enough money in trust for a modern recreation hall which is sorely needed on the campus.

The success of the enterprise will depend upon the cooperation of the students, school administration and alumni. Anyone wishing to contribute may do so to the "Student Union Trust Fund" in care of the Blue Key, Missouri School of Mines, Rolla, Missouri.

Harlan J. Meyers, '49, Commended

An MSM undergraduate, Harlan L. Meyers, '49, was recently commended in the House Organ of the Carnegie-Illinois Steel Corporation. A participant in the summer work program for college undergraduates last summer, Harlan was placed in the maintenance division of the Gary, Indiana, Sheet and Tin Mill.

While working out of the pipe shop he had to replace a certain steam line at regular intervals. The cause of these repeated pipe failures interested him and he discovered that when the steam valve was shut off it created a vacuum and drew acid into the lint. This acid lying in the pipe line would soon corrode through it and the line would have to be replaced. Using his own training in engineering, Harlan designed a small check valve which eliminated this condition, saving not only new piping but installation labor as well.

Start Completion of MSM Chemistry Building

Construction is well under way of the addition to the Chemistry Building. This building, which will be constructed at a cost of \$270,000, will be just north of 11th street at its intersection with Main street.

McCarthy Brothers Construction Company has been awarded the contract. Meryl McCarthy, '20, is a partner in this firm which has done much building on the campus in recent years.

The first part of the Chemistry Building was constructed in 1941, but due to a cut in the funds only one-half of the building was completed. This new addition will completely finish the Chemistry Building.

Support From Grads

(Continued From Page 1)

thoroughly enjoy reading the alumni news."

James D. Sullivan, '47, "I have appreciated letters and information about MSM and the Alumni Association which have been sent in the past. I hope you will continue the good work in the future."

Wilbert A. Roarig, '39, writes, "I intend to keep in closer touch with the school from now on."

L. E. Henson, '40, "Certainly I want to receive my copy of the "Alumnus" and otherwise support the Association. Much good work has been done in the past two or three years and I am sure more good work will be done. For the first time since graduation in 1940, I feel that the organization is really active."

J. C. Smith, ex. '36, "Best wishes for success in your efforts."

Fred Grotts, '16, "Always glad to hear from you."

Vernon T. McGhee, '42, "The first 1948 issue of the MSM "Alumnus" arrived and I enjoyed reading it very much. I have followed with keen interest the increased enrollment and expansion of facilities at our Alma Mater and it is quite gratifying."

PRESIDENT'S PAGE

Beat the Drums for M S M Alumni Association, Urges High Official

By Harry Pence, '23,
Vice-President

Soon after I got out of school (minus laude) someone tackled me for alumni dues, (think it was George R. Dean or "Boots" Clayton) and ever since, various people, it seems, have been beating the same drum. We have national and local drum beaters—committee drum beaters, and first, second, and third assistant drum beaters—all beating out the same rhythm for the MSM Alumni Association. Oh, yes, we also had a few now and then who weren't exactly beating out the same tune—maybe just off key for awhile. But, anyway, these drum beaters have invested a lot of hours, which if added up and capitalized, would amount to an impressive total. Then there's the individual out-of-pocket expenditure and the annual take in dues—in all, a rather tidy sum, if you wish to go back to the start of this shake-down the MSM Alumni Association.

Why do already busy people expend so much time, energy and money on this kind of an endeavor? Why pay out good money for alumni dues? In short, why such an organization? Surely, it would be a lot easier not to.

The answer may be found in any one of a dozen different views—or reasons. It could be the urge or necessity which impelled early man

to form into tribes or clans—mutual protection, or that which motivated the guild movement of Middle Europe—similar vocations.

Then let's not forget the "old school tie" tradition—the sentimental angle. What about the thought that next to family and early environment, your formal education, plus a little luck, has had the marked effect on your life?

|||||
This is one of a series of reports made by officers of the MSM Alumni Association which has been presented in this magazine.
|||||

Call this your unwritten debt to "old Siwash."

As one greys about the temples, there's also the remembrance of those "good old college days . . . free from sorrow and care and strife"—between wars and taxes.

The opportunity to use a dinner meeting of your Alumni Association for an excuse for an evening out might also be a reason, and it will probably sound a lot better than some of the lame reasons now being used. Try it some time.

We haven't mentioned the sense of achievement that can be derived from being a vital part of a going concern.

Last but not least, there is the universal American ideal that we'll make our outfit the best or know the reason why.

There are many more reasons that impell people to take a leading part in the activities of their alumni, C of C, Rotary, professional societies and many civic movements that require organizations.

Much has been written of what has been accomplished by your Alumni Association, whatever the impelling motive.

Suffice to say, it is my belief that the time, money and effort have been justified to date, and in the future a firmly-established, wide-spread Alumni Association will accomplish even more. Here I go beating the same old drum—how about some more of you fellows doing the same? The strange part of it is that you don't even have to have a drum.

Dean Curtis L. Wilson to Head Missouri's A.S.E.E.

Dean Curtis L. Wilson was elected chairman of the Missouri Section of the American Society for Engineering Education at the State meeting held in Columbia on April 10.

Sixty-five members of the faculty at MSM attended the meeting. Dean



DEAN CURTIS L. WILSON

Wilson was one of the 4 who addressed the general meeting. Presiding over the departmental meeting covering Civil Engineering was Professor E. W. Carlton, '26, Professor S. H. Lloyd, '21, had charge of the meeting dealing with humanities, social studies, and English, and Dean R. Z. Williams presided over the meetings relating to mechanics, physics, and mathematics.

The society will meet in St. Louis at Washington University next year.

Appropriations

(Continued From Page 1)

pushed with all possible speed.

Other appropriations include:

\$390,580 for personal service

\$100,000 for additions

\$191,275 for operations

\$ 37,500 for the veterans program

The entire appropriation bill is now on Governor Donnelly's desk and must be acted upon within 30 days of adjournment of the legislature.

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Officers of the Association

Karl F. Hasselmann '25.....President
Harry Pence '23.....Vice President
James L. Head '16.....Vice President
Howard M. Katz '13.....Sec'y.-Treas.

Board of Directors

F. C. Schneeberger '25, Chairman
Barney Nuell '21.
J. M. Wanenmacher '23.
M. E. Nickel '38
R. G. Prough '38.

PROJECTS BY ALUMNI

Graduates Tell of Important Flood Control Work in Osage River Basin

In the early history of Federal flood control in the United States, most of the projects were directed towards the control of menacing floods on the lower Mississippi River. No over-all plan was developed until the River and Harbor Act of 1927 authorized comprehensive studies of the principal river basins by the Corps of Engineers, U. S. Army, as recommended in House Document No. 308, 69th Congress, 1st Session. These "308 Reports," as they are now commonly called, provided the data on which most of the present work is based.

Established in 1936

Flood control as a national responsibility was established when the 1936 Flood Control Act was passed. This Act stated that . . . "destructive floods upon the rivers of the United States . . . constitute a menace to national welfare; that it is the sense of Congress that flood control on navigable waters or their tributaries is a proper activity of the Federal Government . . . " The national policy was further delineated by subsequent flood control acts, and in the 1944 Flood Control Act the affected states were given the right to review and participate in planning of projects before their submission to Congress for authorization.

The flood control act of 1938 authorized a system of three reservoirs for flood control in the Osage River Basin. These reservoirs (Osceola, South Grand and Pomme de Terre), would provide a total storage capacity of 8,170,000 acre-feet (5,605,000 acre-feet for flood control) and at full pool would have inundated a total of 333,200 acres of land.

Covers 15,300 Square Miles

The Osage River Basin covers an area of 15,300 square miles of which 11,000 square miles, or about one-sixth of the area of the State, are in Missouri. The resources of the basin are primarily agricultural and mineral, but water is also a resource for limited hydro-electric development. Benefits accruing from these authorized reservoirs were predominantly out-of-State benefits, and due to the large acreage involved, vast deposits of coal would have been inundated in the western part

of Missouri, as well as a serious disruption of transportation facilities and trade areas. Also, no provisions were made for a land and water management program for the Basin. Various Missouri State agencies felt that the construction of these reservoirs would seriously impede further development of the land and water resources of the Basin.

On 14 February 1947 at Governor Donnelly's invitation some 25 representatives of Missouri State agencies, U. S. Department of Agriculture, and the Corps of Engineers met in Jefferson City, Missouri. The purpose of that meeting was to find

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**The accompanying article has been prepared by W. J. Ware, '31, Chief, Projects Report Branch, Corps of Engineers, Department of the Army, Kansas City District, and John M. Dewey, '37, Water Engineer, Missouri Division of Resources and Development.**  
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a basis on which a workable procedure could be devised for developing the resources of the Osage River Basin and at the same time produce a plan that would fit in with national policies in the over-all Missouri River Basin development. In the 1944 Flood Control Act, Congress had directed the Corps of Engineers to make an investigation and submit a report on flood control and allied purposes for the Osage River, Missouri and Kansas. By the same law Congress directed the Department of Agriculture to submit a report on runoff and water flow retardation and soil erosion prevention in the Osage River Basin. Since the program of the Department of Agriculture, consisting of land-treatment practices, naturally supplements the program of the Corps of Engineers consisting of reservoirs, levees, and channel improvement works, it was considered that a coordinated plan of development for the Osage River Basin should be devised. Cooperation of State agencies was also desirable in order that any plan proposed by Federal agencies would fit in with plans developed by the State of Missouri.

At the conclusion of the meeting at Jefferson City, an agreement was reached on a coordinated and co-operative procedure for a restudy of the Osage River Basin problem. It was agreed that the new study should appraise all aspects of land and water problems without regard to previously proposed or authorized projects.

Work Coordinated

As a result of the meeting in February of last year, a complete survey of the Osage River Basin has been accomplished by the coordinating group and agencies working together in the field. Frequent meetings were held for the purpose of exchanging data and expediting coordination. In addition, personnel of one agency were loaned to other agencies as the need arose to expedite various phases of the work. Due to the intense cooperative effort of all agencies during the past year, a coordinated plan for the Osage River Basin has been prepared.

The report of the District Engineer, containing the portion of the plan to be administered by the Corps of Engineers, has been submitted to the Division Engineer for his review. It is expected that General Pick will submit his report to the Chief of Engineers in the near future. The report will be referred to the Board of Engineers for Rivers and Harbors for review as required by law. The Board will give careful consideration to the views and desires of all interested parties as to the plans contained in the report.

To Transmit Report

After careful consideration of all data presented, the Board will transmit the report to the Chief of Engineers with its recommendations. In compliance with the 1944 Flood Control Act, the Chief of Engineers will then obtain the views of the Governors of the States affected by the plan presented in the report. The Chief of Engineers will then transmit the report, together with the statements of the Governors of the respective states and the views of other interested Federal agencies, to Congress with his recommendation. After the report has been submitted to Congress, action by the Corps of Engineers with respect to the construction of the work recommended therein will depend upon authorization of the projects and the appropriation of funds

(Continued on Next Page)

PROJECTS BY ALUMNI

Osage River Basin

(Continued From Preceding Page)

for their accomplishment.

The Osage River Basin is subject to intense storms causing disastrous floods. The storms of 6-20 May 1943 caused the greatest flood of record in the basin below the Missouri-Kansas State line. The first storm occurred 6-12 May with the principal center near Warner, Oklahoma, about 100 miles south of the Osage River Basin. The second storm occurred 13-20 May with the principal center at Joplin about 25 miles south of the basin. The average depth of rainfall over the Osage River Basin during the entire storm period was 10.4 inches, whereas the depth over an equal area of 15,000 square miles at the center of the storm was 15 inches.

20.8 Feet Above Flood Control

During the flood the river at St. Thomas, near the mouth, reached a stage of 43.8, 20.8 feet above flood stage, and 4.4 feet above the previous maximum flood of record which occurred in 1844. The maximum discharge at St. Thomas during the 1943 flood was 216,000 second-feet. The greatest contribution during this flood was from the Sac River. The maximum discharge at the gaging station near Stockton on the Sac River was 120,000 second-feet from a drainage area of 1,160 square miles. The losses experienced during this flood amounted to \$7,622,000, which, under the 1947 price levels, would amount to nearly \$13,000,000.

Severe flood damages have also been experienced in the upper part of the Osage River Basin. As many as six floods have occurred in a single year at Ottawa, Kansas. In 1944 the damages at Ottawa alone amounted to \$455,000. The greatest flood of record occurred in November 1928 when 7 persons lost their lives. In September 1915 an intense storm occurred over the Marmaton River basin at Fort Scott, causing the Marmaton River at Fort Scott to reach a stage of 8.3 feet above flood stage. It was estimated that the damages at Fort Scott alone during this flood was \$200,000, and in addition, 2 persons lost their lives.

Big Acreage Subject to Floods

A total area of 427,800 acres of land along the main stem and major tributaries of the Osage River is subject to floods. Investigations show that a repetition of the past

flood cycle under present conditions would result in an average annual loss of about \$5,000,000 along the main stem and major tributaries.

In the initial study stage of the cooperative study, representatives of the Corps of Engineers and the Missouri Division of Resources and Development made a careful study of available maps and selected 42 tributary dam sites for further investigation. Field reconnaissance was made of each of these sites and after thorough consideration of all factors involved, 14 tributary sites were selected for detailed investigation. Some of the factors considered were: (1) flood-producing characteristics of the watershed; (2) productive capability of the land within the reservoir area and below the dam site; (3) width of valley; (4) foundation conditions at the dam site as determined from a surface examination by an experienced geologist; (5) railroads, highways, and utilities within the reservoir area that would require relocation; (6) location of towns that might be adversely affected; and (7) drainage area that would be controlled.

Tributary Reservoirs

After a careful study of the benefits that would be derived from the construction of each one of the tributary reservoirs, and a comparison with the cost of construction, the following tributary reservoirs were adopted for inclusion in the plan of development:

Reservoir	Stream (Kansas)	Drainage Area controlled (square miles)
Fort Scott	Marmaton River	306
Hillsdale	Big Bull Creek	144
Garnett	Pottawatomie Creek	334
Melvorn	Marais des Cygnes River	362
Pomona	110 Mile Creek (Missouri)	322
Pomme de Terre	Pomme de Terre River	611
Stockton	Sac River	1,160
Hackleman	Corner Cedar Creek	415
Total		3,654

An analysis of these tributary reservoirs indicated that the desired degree of control for the basin was not available on a tributary system alone. Six dam cites were also studied on the main stem of the Osage River. After careful consideration of all the factors involved, the Kasinger Bluff site immediately up-

stream from Warsaw and below the mouth of the South Grand River was selected for inclusion in the proposed plan. This site controls a drainage area of 11,500 square miles of which 3,654 square miles would be controlled by the proposed upstream reservoirs. The Kasinger Bluff site will control the South Grand River and eliminate the need for the previously authorized South Grand Dam. The Kasinger Bluff site will effect the necessary control of the main stem of the Osage River, but it will inundate less land and will affect less highways and railroads than the previously authorized Osceola Reservoir.

Discharge of the Osage River in Kansas during major floods at Ottawa and Osawatomie will still be in excess of bankful stage with the proposed reservoirs in operation and supplemental flood protection at Ottawa and Osawatomie will be required. Consequently, plans for the protection of Ottawa and Osawatomie consisting of a combination of channel improvement, levee and flood wall construction have been included in the plan of development for the Osage River Basin.

Cooperating in Project

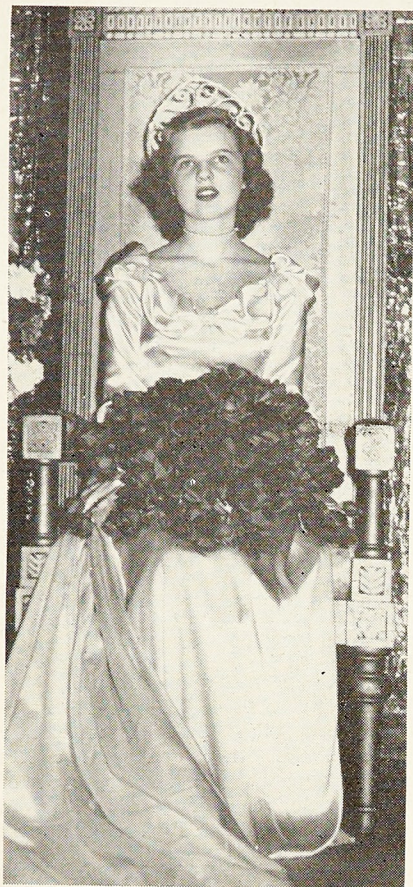
In addition to the Corps of Engineers and the Soil Conservation Service, the other Federal agencies cooperating in the development of the plan for the Osage River Basin were the Federal Power Commission, the Fish and Wildlife Service, and the Bureau of Agricultural Economics. The State agencies cooperating in the study with the Division of Resources and Development were: Missouri Conservation Commission, University of Missouri, College of Agriculture, Division of Geological Survey and Water Resources, State Division of Health, State Department of Agriculture and State Highway Department. Studies made in cooperation with the Federal Power Commission as to the possibility of developing hydroelectric power at the various reservoir sites in the Osage River Basin showed that the development of hydroelectric power at the Stockton and Pomme de Terre Reservoir sites is economically justified.

An investigation of the stream-flow records in the upper part of the Osage River Basin shows that during the greater part of the 9½-month period 1 July 1939 to 16 Ap-

(Continued on Page 9)

ST. PAT'S CELEBRATION

Sue Gleason Is '48 St. Pat's Queen



MISS SUE GLEASON

St. Pat's was a gala occasion in Rolla this year as Miners put aside their books and paid tribute to their patron saint. He arrived in Rolla from Ireland on March 19 on his handcar at the Frisco Station and immediately boarded his manure spreader to lead the colorful parade of floats down Pine street.

Lambda Chi Alpha took first place for their float with Sigma Nu second. The procession ended at the auditorium in Parker Hall where St. Pat made a few significant comments and initiated all seniors into the order of "Erin Go Bragh."

Miss Rena Sue Gleason of Rolla reigned over the festivities as Queen of Love and Beauty, the coronation ceremony being held at the costume ball on Friday night. The semi-formal dance was Saturday evening, and Ted Weems and his orchestra played for both dances.

Miners Squeeze Out Springfield to Win First M.I.A.A. Indoor Track Title in History

By J. A. Steinmeyer

For the first time in M.I.A.A. history, the Miners hold the Indoor Track Championship. Coach Gale Bullman's squad squeezed out Springfield by the narrow margin of 2½ points in the annual indoor classic held at the Brewer Field House in Columbia, Missouri, last March 27. The final outcome of the match was in doubt until the last event, the mile relay; the Miners' third place gave them the necessary point to cinch the championship.

Outstanding performers at the meet was David Ward, of MSM, who was the leading scorer with 10 points. Ward, a freshman from Clayton, St. Louis County, took first place in the broad jump and high hurdles. Only other Rolla winners were George Bock and Donald Smith. Bock tossed the shot 43 feet 7¼ inches to win his event, while Smith raced to victory in the two-mile run. Incidentally, Bock set a new record for MSM, breaking the old mark of 42 feet, 9½ inches which was established by C. Johnson in 1928.

The showing of the Miners was the surprise of the meet, since they had been rated to run third behind Cape and Springfield. Beside win-

ning 4 events, the MSM men managed to place in all but two events.

Total Points Scored

Rolla	41
Springfield	38½
Cape	38
Kirksville	30
Maryville	24
Warrensburg	8½

The track championship is the second conference title for the Miners this year. In February, Coach Chester Barnard's tank squad took their second straight M.I.A.A. swimming championship.

Coach Dwight Hafeli's basketball team was fifth in the final standings, with a record of 3 wins and 7 losses. However, this is the best showing the Miners have made in this sport in recent years.

The tennis and golf teams have not as yet participated in any matches. The tennis team will probably be represented by Ralph Axsom, George Yuenger, Gene Rice, Charles Ross and Richard Williams. Ross is the only letterman returning from last year's squad.

The golf team, on the other hand, have four lettermen return-

(Continued on Page 14)



A senior kisses the Blarney Stone as St. Patrick (Jim McGrath) dubs him Knight of St. Patrick.

DELAYED COMMENCEMENT

Miners of '45 Took Time Out for War

By Bob Rock '48

The graduating class this June will contain a small, unnoticeable group of 31 men, who, to most outsiders will appear to be no different than any of the other 311 seniors with whom they'll be marching down the aisle. But to themselves, and to those who know them they will represent a very unique and rather special part of the school.

They are the last remnants of the original "Class of '45"—the boys who started out in the fall of '41, and came to MSM fully unaware of the conflict that was soon to strike the nation, and their campus. Unknowing to themselves, they went through a rather ordinary freshman hazing period that, even in 1941 was bitterly attacked as having fallen way short of things as they had been in the "old days."

School History Made

As it was, the program made school history, for it put through the last fully-initiated group of faithful followers of the traditions of old St. Patrick! And today all that remains of that freshman class of 275 students is 37 men; 4 of whom are graduate instructors, 2—underclassmen! and 31—the boys for whom the article was written.

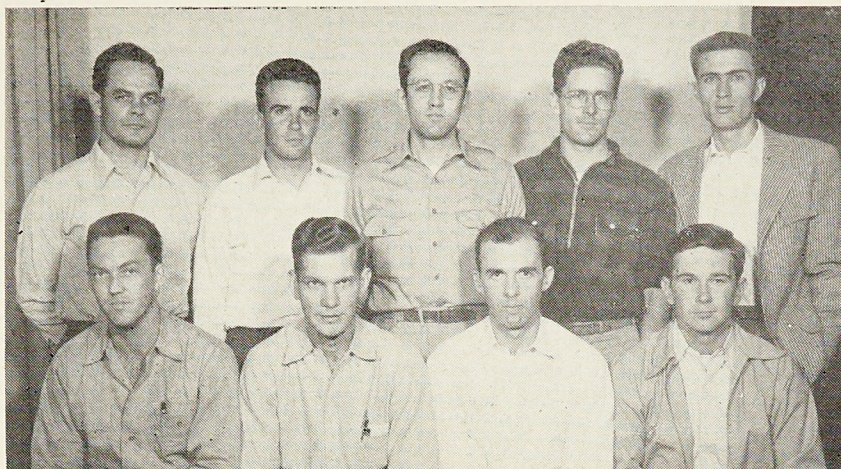
To narrate the individual wanderings of this group between the time they left the campus and later returned, would necessitate the binding of several large volumes of very interesting tales, for all contributed their years in service, and returned—reluctantly to a not too familiar campus, to knock out a few more semesters and get their degrees. Some, of course never came back.

It might be remembered too, that

Dean Wilson to Pittsburgh

Dean Curtis L. Wilson will address the Pittsburgh Section at their meeting on May 8 at the University of Pittsburgh Faculty Club at 6 P. M. All Miners in the Pittsburgh area are invited to attend. Further details can be received by contacting W. O. Keeling, '23, 291 Lebanon Ave., Pittsburgh.

Three Years Behind Schedule



Back Row, (Left to Right): Irwin Schuenemeyer, Harvey Ross, Vic Bradford, Bob Rock and Glenn Merritt.

Front Row: Ed Davidson, Bob Hartmann, Ernie Weinell and Charlie Browning.

along with these men goes the last active knowledge of the proceedings upon which our peace-time traditions were based. But it isn't a complete loss either, for in the past two years they have handed down enough songs, tales and old yarns—to leave a pretty good idea of the "Old Days" in the minds of many young classes to follow.

And so it is with pride that we introduce what remains of the original "Class of '45." Look the list over, you'll be surprised to see some of those names that appeared next to yours seven years ago on K K's freshman grade-board in the Old Chem building.

Members of the original class of 1945 who will graduate this year are:

Walter F. Anderson
Frank A. Beyer
Peter Bolanovich
James R. Bowman
Victor L. Bradford
Charles M. Browning
Glenn K. Doss
*Theodore Dziemianowicz
Edwin A. Davidson
Walter C. Harbison
Richard B. Howell
Loren Lafferty
Harvey B. Leaver
Bill H. Lenox
Schuyler Kingsland
Joe A. East
Robert F. Hartman
George E. Hess

Robert L. Hildebrand
Glenn E. Merritt
Garth G. McKinney
Kenneth C. Peterson
*Robert C. Pletz
George H. Ramsey
Charles J. Reed
Don O. Reinert
Irwin L. Schuenemeyer
Leonard L. Schuler
Bernard J. Sexauer
Robert M. Rock
Harvey D. Ross
Walter L. Sappington
Rex S. Smith
Oliver H. Stoldrier
Erwin J. Wassilek
*Ernst A. Weinell
William L. Mason
*DENOTES GRADUATES

Dr. Young Nominated to Head Mining Engineers

Dr. Lewis E. Young, Hon '47, has been nominated as president for 1949 on the "official" ticket of the American Institute of Mining Engineers.

A consulting engineer specializing in mechanization of mines, Dr. Young was Director of the School of Mines from 1907 to 1913.

He has always had a great interest in MSM, and was awarded the honorary degree of Doctor of Engineering, Honoris Causa, at the commencement exercises on June 3, 1947.

MISCELLANEOUS

Foundrymen Set Up Chapter on Campus

A chapter of the American Foundrymen's Association, the technical-educational society of the castings industry, was established at the School of Mines on March 24 at a dinner meeting at Colonial Village.

George E. Mellow, '18, a partner in the Liberty Foundry Company of St. Louis, and industrial advisor to the new chapter, spoke on the methods employed in the foundry in making a small tuyser for a cupola.

This was of particular interest to those present as a cupola has recently been presented to the school by the St. Louis Casting Company, at the suggestion of J. H. Williamson of the Bell Company, father of R. L. Williamson, '48. The A. P. Green Firebrick Company donated approximately 8,000 pounds of fire brick and fire clay to be used in lining the cupola, and George Mellow contributed a motor for the blower on the cupola.

Dean Wilson spoke briefly welcoming the new organization to the campus.

William W. Maloney, secretary-treasurer of the American Foundrymen's Association, was guest of honor and accepted the chapter on behalf of the national organization. Also present were Norman L. Peukert, '38, president of the St. Louis chapter, and Henry W. Meyer, '32, secretary.



Acceptance of the "Baby Cast Iron Rattle" chartering the American Foundrymen's Association chapter on the MSM campus. From left to right: George E. Mellow, '18, industrial advisor, J. E. Reynolds, chairman of the MSM chapter, W. W. Maloney, secretary of the national AFA, Dean Curtis L. Wilson, Dr. J. D. S. Eppelsheimer, faculty advisor.

J. F. Smith, '27, to Mexico City

James F. Smith, '27, assistant superintendent of copper refineries at the Great Falls reduction works of the Anaconda Copper Mining Co. has left for Mexico City to assist in setting up a new copper refinery there.

Russel B. Caples, '10, manager of the Anaconda plant at Great Falls, in announcing the appointment said that the Mexican government, which has established electrolytic and furnace refineries at Mexico City is now starting up the furnace refinery department for the production of copper wire bar and other copper shapes needed in that country. Jim will assist in this highly technical operation.

He is a member of Lambda Chi Alpha fraternity, and Theta Tau.

INTERNATIONAL PETROLEUM EXHIBIT

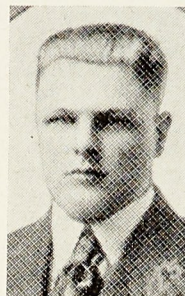
Tulsa, Oklahoma
May 15 to 22, 1948

All MSM Alumni are requested to contact either Mr. Russell Gund at the Nelson Electric Manufacturing display, or Mr. Paul Jezzard, Mr. Arthur Weber, or Mr. J. V. Spalding at the Bethlehem Supply exhibit and obtain information about smoker to be held by the Tulsa Section on Friday evening, May 21.

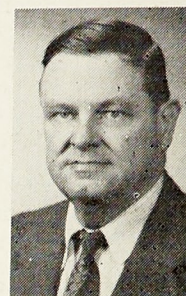
'Murphy' of 1919 to Graduate This Year

Murphy, the hired assassin, has returned. Who of the Miners in school in 1919 could ever forget Murphy in that sensational dramatic production, the "College Widow," the "best college comedy ever performed," with seats reserved at H. & S. Cigar Store?

Murphy, known off the stage as Aubrey B. Watts, started to school at MSM in 1919 and will be a



IN 1919



IN 1948

AUBREY B. WATTS

candidate for a degree in civil engineering this spring. He left school in 1921, returned for the school year 1937-38, and this fall started on the last lap of his college career.

Aubrey says that when he first came to Rolla on the train as a green freshman, he had a room for \$5 a month within one hour and soon knew all the 185 students on the campus. At that time Prof. Kershner and "Toot" Schuman were students, and the only teachers who are still here are Professor Clayton, Professor Dennie and Dr. Muilenberg.

The old grey matter is getting quite a work-out, Aubrey claims, and he spends long hours pouring over his books preparing lessons for the 22 scheduled hours he is taking. It isn't so easy to learn now as in the days when he was not only student but dramatic actor as well.

Aubrey was with the Missouri State Highway Department from 1921 to 1931 and did flood control work for the United States Government after that time. He is a registered engineer in Arkansas, Missouri and Indiana.

He says it will indeed be a happy moment when he receives his diploma and achieves a goal he has had for over 29 years.

PROJECTS BY ALUMNI

Osage River Basin

(Continued From Page 5)

ril 1940 the river at Ottawa, Kansas, averaged less than one second-foot of flow, and discharge records show zero flow for 169 days of this period. Since the towns of Ottawa and Osawatomie are dependent upon the stream flow for their water supply, conservation storage is a necessary part of the plan of development for reservoirs in the upper part of the Osage River Basin. Consequently, conservation storage has been included in the Melvern, Pomona, Garnett, and Hillsdale Reservoirs. This conservation storage will increase the low water flow in the upper part of the basin from zero to 50 second-feet. The minimum flow of the Pomme de Terre River will be increased from zero to 200 second-feet and the minimum flow of the Sac River from zero to 300 second-feet.

To Take 20 Years to Complete

The Soil Conservation Service plan for the Basin as prepared by the Department of Agriculture calls for a complete land and water management program over the entire basin which it is estimated will take 20 years to complete. The program is one of joint participation by the farmers and the Department of Agriculture, and uses every known device of flood control and land treatment practices. This program will contribute greatly toward the alleviation of flood problems in the Basin.

As the cooperative study progressed, the question arose as to the impact of the reservoirs on the localities in which they were being considered. Under existing laws passed by Congress, the Federal Government pays only those costs actually incurred through the construction of the project. In some instances severance damages are included as a cost to the project. Costs, as used in the economic ratio of the project, are confined largely to the area purchased for the reservoir and are not concerned with attendant costs, both tangible and intangible, to the general area concerned. It can be amply demonstrated that neither the benefits nor the costs, as ordinarily used in computing economic ratios for reservoir projects, is entirely adequate in evaluating the true worth of such projects.

It was impossible to study the

impact of each potential reservoir site in the Basin in the time available. The South Grand and Stockton sites were selected as the two which would serve as representative samples of conditions throughout the Basin and as areas for which accurate information would be most essential. When this impact study was started, the South Grand Reservoir was being considered as one of the tributary reservoirs. In the final plan of development, it was eliminated when the Kasinger Bluff Reservoir, located on the main stem of the Osage River just above Warsaw, was chosen. The purpose of the study was to show the local effects of the two reservoirs and to suggest ways of lessening local impacts.

Impact Study

The impact study covered such points as: Land use and classification, farm characteristics, population, production, service facilities, business, mineral deposits, timber, local government and many others. Data pertaining to the assessed valuation of both personal and real property and the amount of taxes the land returned to the county was also obtained.

As far as is known, this is the first time a study of this nature has been undertaken. Additional information is still needed on many phases of the study. However, from the information available it is felt that the local impact is not going to be as severe as might be anticipated. The effect of the reservoirs on the area will depend largely on the acreage of land acquired, amount of land retired from cultivation, the success of the land management program, the reduction in farm families and the recoverability of mineral deposits.

To Lease Part of Area

It is the policy of the Federal Government to lease a portion of the reservoir area for agriculture and other purposes. Under existing laws, 75 percent of the money received from the lease program are returned to the county or counties in the reservoir area to be used on the school or road districts affected. From experiences of other reservoirs already constructed, the leasing program usually returns more money to the county than the land previously returned in taxes.

From the information available it appears that the leasing program in the Osage Basin will be in demand and the loss in tax revenue

will be offset by this program. In regard to a recreation program in the Osage Basin, it is felt that it will not be in as great demand as in other parts of the State. Some recreation will be developed but not to the extent as now experienced at the Lake of the Ozarks.

Provides Maximum Benefits

The coordinated plan for the Osage River Basin provides the maximum of benefits for the Osage River Basin through development of its land and other natural resources, and also affords important flood protection to areas in the Basin and along the Missouri and Mississippi Rivers. The plan would have reduced all floods of record below Warsaw to bankful stage. On the Missouri River at Hermann the flood stage of May 1943 would have been reduced over 5 feet and the flood stage on the Mississippi River at Cairo during that flood would have been reduced 3 feet. The disastrous flood of 1927 would have been reduced one foot at Cair by the operation of the Osage Basin plan. The entire area in the Osage River Basin which is now subject to floods will receive benefits from the combined program of the Corps of Engineers and the Department of Agriculture. The proposed reservoir plan will provide partial or complete protection to an area of over 237,000 acres in the Osage River Basin of which 135,000 acres are in Missouri and 102,000 acres in Kansas.

Sacrifices Involved

Any program of flood control in the Osage Basin must necessarily involve certain sacrifices within the Basin. Under the old plan, providing for reservoirs only, the sacrifice would be much greater with comparatively little offsetting benefits accruing within the Basin. Under the new plan of coordinated land and water resources development, these sacrifices are offset many times by benefits accruing within the Basin. On this basis alone, the new plan in general is much more acceptable to the State. There will be 125,000 acres less land inundated and a majority of the valuable coal deposits in the area will be saved. Local trade areas will not be as greatly affected and the disruption of transportation facilities and other utilities will be less.

SECTION NEWS

Miners Hold Big Banquet in New York

By James L. Head '16

One might suspect that a roll call including the Dean, a former Director, a Past-President of the Board of Curators, the President and a Vice-President of the Alumni Association, three past Presidents of the Association, six recipients of the School's Honorary Degree of Doctor of Engineering, and one hundred and forty other V.I.P.'s indicated a special convocation at Rolla instead a reunion in New York City.

However, on the occasion of the annual New York meeting of the American Institute of Mining and Metallurgical Engineers, it is now a well-established custom that the "Miners" and their wives get-together, although comparatively few MSM men in the Metropolitan area are members of the A.I.M.E.

The latest, biggest and best of these affairs took place on the evening of Tuesday, February 17, when those of the local section were joined by those faculty members from Rolla and alumni who had come from all parts of the country to attend the meetings. By the time the aperitif stock had been depleted a group of one hundred and eighteen filled the Blue Room of the world-renowned Hotel Brevoort, on lower Fifth Avenue, to capacity and awaited the inevitable photograph.

Individual tables accommodating eight or ten afforded an opportunity for various class groups to hold impromptu reunions. Some thirty-one classes from 1901 to 1947 were represented, with 1943 and 1914 having the best turnout. At the head table were Dean Curtis L. Wilson, Former Director L. E. Young, Hon. '47, Former Curator Tom K. Smith, Dr. Eugene McAuliffe, Hon. '27, Dr. M. J. Kelley, '14, past Alumni Association President Carl G. Stifel, '16, and Association President and Vice President Karl F. Hasselmann, '25, and James L. Head, '16, respectively. The last presided.

It had been hoped that University President, Frederick A. Middlebush, would be able to attend, but in a letter which was read after dinner he said in part—"I wish you would express my regrets to those



Those Attending the New York Alumni Dinner

Those attending the New York Alumni Dinner were:

- 1901 - Dr. H. R. Hanley, Rolla, Mo.
- Ex '05- E. E. Squier, Madison, N. J.
- 1906 - J. H. Steinmesch, Eldorado, Ill.
- 1909 - Dr. and Mrs. George Easley, Morristown, N. J., M. S. Mazany, Morristown, N. J.
- 1910 - John S. Stewart, New York City.
- 1911 - E. W. Engleman, Magna, Utah.

in attendance and convey to them most cordial greetings from this office. I am looking forward to the time when I can meet with the
(Continued on Page 12)

- 1912 - Duane M. Kline, Baxter Springs, Kansas.
- 1914 - L. J. and Mrs. Boucher, Catasauqua, Pa., C. W. and Mrs. Hall, Trenton, N. J., Dr. M. J. and Mrs. Kelly, Short Hills, N. J., Gilbert F. and Mrs. Metz, York, Pa., O. Dexter and Mrs. Neal, Rockville Center, N. Y., Dr. E. R. and Mrs. Needles, Summit, N. J.
- 1915 - Dr. Reginald S. and Mrs. Dean, Washington, D. C.
- Ex '15- Charles H. O'Neill, New York City.
- 1916 - James L. Head, Douglaston, N. Y., Carl G. Stifel, St. Louis, Mo., H. H. Vogel, North Creek, N. Y.
- 1917 - F. S. and Mrs. Elfred, Alton, Ill., H. J. Teas, Freeport, N. Y.

SECTION NEWS

Dine in New York



ALUMNI ASSOCIATION
MISSOURI SCHOOL OF MINES
AND METALLURGY
HOTEL BREVORAT FEB-7 1948

Ex '17- K.V.B. Rossman, Trenton, N. J.

1918 - Dr. J. P. Gill, Latrobe, Pa., Hanley Weiser, Prince Bay, Staten Island, N. Y.

1922 - Louis A. Turnbull, Pittsburg, Pa.

1923 - J. L. and Mrs. Gregg, Bethlehem, Pa., R. A. Lindgren, Chicago, Ill., W. E. and Mrs. Remmers, Darien, Conn., M. P. Weigel, Montreal, Quebec.

1925 - Hugh R. Berry, Mamaronock, N. Y., Roger O. Day, Westfield, N. J., Karl F. and Mrs. Hasselmann, Houston, Texas.

1926 - J. W. and Mrs. Merrill, Dunellen, N. J.

Ex '26- H. A. Herder, Elmhurst, Ill.

1927 - (Hon) Dr. Eugene and Mrs. McAuliffe, Omaha, Nebr.

1928 - T. C. and Mrs. Gerber, Philadelphia, Pa., Edward C. Miller, Detroit, Mich.

1929 - E. A. and Mrs. Crawford, Cliffside Park, N. J., Charles G. Hueter, Trenton, N. J., LeRoy F. and Mrs. Van Sciver, Havertown, Pa.

Ex '29- Dana W. and Mrs. Smith, Permanente, Calif.

1930 - H. W. and Mrs. Kirkpatrick, Hempstead, N. Y., S. A. and Mrs. Stone, Fort Wayne, Ind.

1931 - W. S. and Mrs. Towse, Scotchplains, N. J., R. T. and Mrs. Wade, Shreveport, La.

1933 - E. W. and Mrs. Gieseke, Old Greenwich, Conn., Reinhardt Schuhmann, Jr., Cambridge, Mass.

1936 - Neil Plummer, Salt Lake City, Utah.

1938 - Alvin W. Knoerr, Mt. Vernon, N. Y., Jesse S. and Mrs. LeGrand, Wood Ridge, N. J., Carol A. Quam, Tahawus, N. Y., W. P. Ruemmler, Worthington, Ohio, C. C. Van Deventer, Wilmington, Del.

1939 - H. C. Miller, New York City.

1941 - G. Robert Couch, Metuchen, N. J., N. D. and Mrs. Jaffee, Brooklyn, N. Y., Frank B. Rogers, East Orange, N. J.

1942 - Arthur G. Adler, East St. Louis, Ill., John H. and Mrs. Lyons, Woodside, N. Y., R. L. Schumacher, Jefferson City, Tenn.

1943 - Maurice O. Bellis, Brooklyn, N. Y., Robert E. and Mrs. Hartleb, North Bergen, N. J., Robert L. Hanna, Fayetteville, N. Y., Herbert Kalish, Philadelphia, Pa., C. A. Lambelet, New Brunswick, N. J., Kenneth E. and Mrs. Meyer, Great Neck, N. Y., N. R. and Mrs. Underhill, Floral Park, N. Y., E. P. and Mrs. Vollherbst, Union, N. J.

Ex '43- J. P. Munsch, Brooklyn, N. Y.

1944 - Mrs Jean Lloyd Arras, Millburn, N. J., Roger D. Moeller, Philadelphia, Pa.

1947 - Geo. A. Allison, East St. Louis, Ill., (Hon) Dr. L. E. and Mrs. Young, Pittsburg, Pa.

1948 - J. H. Boza and A. T. Dasso.

FACULTY

Dean Curtis L. and Mrs. Wilson, Dr. D. S. Epplesheimer, Dr. J. D. Forrester, T. M. Morris, L. E. Shaffer, Dr. A. W. Schlechten.

ADDITIONAL

Robert E. Arras, Millburn, N. J., Catherine Benson, Forest Hills, N. Y., Frances B. Foley, Philadelphia, Pa., Geo. O. Ranes, Mineola, N. Y., Tom K. Smith, St. Louis, Mo., Albert L. Toenges, Pittsburg, Pa.

Also seen during the week of the meeting, but who for one reason or other were unable to attend the meeting were, E. S. Tompkins, ex '16; J. S. Brown, '17; M. S. Badollet, '21; H. A. Hollingshead, '21; Joe H. Reid, '27; J. G. Grohskopf, '30; Chas. H. Lambur, '33, and Irving W. Alcorn, '22. The latter is the new chairman of the Petroleum Division, AIME and that Divisions annual dinner conflicted with the MSM party.

SECTION NEWS

St. Louis Section

By Paul Dowling, '40

Dean Curtis L. Wilson joined the St. Louis luncheon group at their meeting on March 12 at the American Hotel.

Everyone was very much impressed, and favorably so, by the Dean's talk relative to what has been done and is being done on the campus at the School of Mines. In addition to the insight into what goes on on the MSM campus, the 71 fellows present had a rip-roaring time "beating their gums" with old school friends whom they had not seen in many years.

"Wonderful Turnout"

Colonel Frederick W. Green, who received the honorary degree of Doctor of Engineering, Honoris Causa, in 1940 from MSM, spoke briefly.

I sincerely believe that this wonderful turnout is indicative of the spirit which is developing among the St. Louis Alumni, probably among MSM Alumni all over the world.

Despite the very unpleasant weather Friday, February 13, 23 Miners appeared at the American Hotel for the regular monthly get-together.

Jim Miller, '38, who has taken over the duties of sending out the announcements, distributed wallet-sized cards listing the dates of the luncheons for the rest of the year.

To Develop Luncheon Meetings

Allan Hoener, '36, president of the St. Louis section, was present and pledged the support of the Section to the development of the monthly luncheons. Although the luncheons were originally meant only as "gab-fests" devoted to the discussions of the "good old days," it was felt that the injection of consideration of the more serious problems confronting the School of Mines would add materially to the interest. The St. Louis Section, as mentioned before, intends to cooperate fully with the luncheon group for they are all interested in the development and promotion of the school. In this way we may be able to widen the scope of the St. Louis section of the Alumni Association.

The following fellows, representing a span of 28 classes, were present:

Carl A. Gettler, '20
H. S. Pence, '23
H. W. Decker, '34

The spring dinner meeting of the St. Louis Section will be held on April 29 at Belvedere Joe's, Brentwood and Eager Roads in St. Louis County. The cocktail hour will begin at 6:00 P. M. with dinner following at 7:00 P. M. Gale Bullman, coach at MSM, will be the guest speaker and he plans to show movies of recent campus activities.

M. W. Lischer, ex '34
C. R. Maise, '34
A. T. Aylward, '35
Alan Hoener, '36
T. A. Roes, '36
J. G. Miller, '38
W. F. Oberbeck, '39
G. O. Pitts, '39
R. F. Donaldson, '39
P. T. Dowling, '40
R. R. Brookshire, '41
R. F. Guilfooy, '43
W. N. McArdle, ex '43
D. C. Brand, '44
Thomas Ryan, '47
S. P. Salarano, '47
B. J. Einspanier, '47
W. J. Christman, '47
J. T. Hazlett, '47
R. F. Baerveldt, '48

New York Section

(Continued From Page 11)

members of the Alumni Association."

The head table had been warned—subtly of course—that the occasion was primarily a convivial reunion and that they were there to be seen and not heard, except very briefly. Each was introduced and happily complied with the warning. Dean Wilson in his usual enthusiastic and felicitous fashion spoke briefly on his favorite topic, MSM, Alumni President Hasselmann on his, the Association. Carl G. Stifel, '16, of St. Louis, who was President of the Association from 1941 to 1944, extended his greetings. Tom K. Smith, Chairman of the Board of Boatman's National Bank in St. Louis, and a former President of the Board of Curators, left no doubt as to his interest in the School of Mines. Our own Mervin Kelly, '14, who in his capacity as executive vice president of the Bell Laboratories, knows well the re-

spective merits of many engineering schools, expressed his faith in the future of MSM, as well as his disapproval of those who for selfish interests seek to discredit those who are working to assure that future. Dr. McAuliffe, retired chairman of the Union Pacific Coal Company and distinguished Past-President of A.I.M.E., expressed his pleasure at being able to participate in MSM affairs. Dr. Young felicitously acknowledged the distinction of being the School's youngest graduate (Honoris Causa, '47), although he had been Director of MSM from 1907 to 1913 and is well known to a host of MSM alumni.

Past President Speaks

Among those who spoke briefly from the floor were Past Association Presidents E. W. Englemann, '11 (1940-41) and Dr. George A. Easley, '09 (1936-37). The latter told of a recent meeting that he and President Hasselmann had in San Francisco with D. C. Jackling, '92, our foremost Alumnus. All present were pleased to hear that he continues to keep in close touch with events at Rolla, and that his interest in the School and the Alumni Association is undiminished. It was announced that greetings from those assembled would be telegraphed to Dr. Jackling.

Prior to adjournment Dr. E. R. Needles, '14, moved that the Eastern Alumni Section, together with those alumni of the Missouri School of Mines present at the annual dinner in New York on February 17, 1948, extend a vote of approval of and confidence in the present administration of the Missouri School of Mines as it is now constituted, and strong disapproval is offered toward those actions which might be designed to cause us to think otherwise. The motion was seconded and passed with enthusiasm.

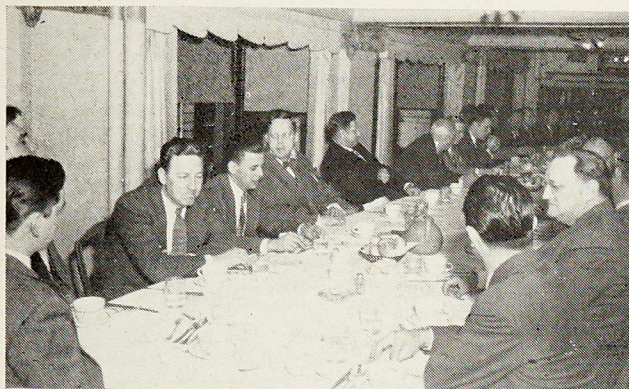
Renew Old Friendships

Many lingered following adjournment to renew old friendships, while other groups departed to carry on elsewhere.

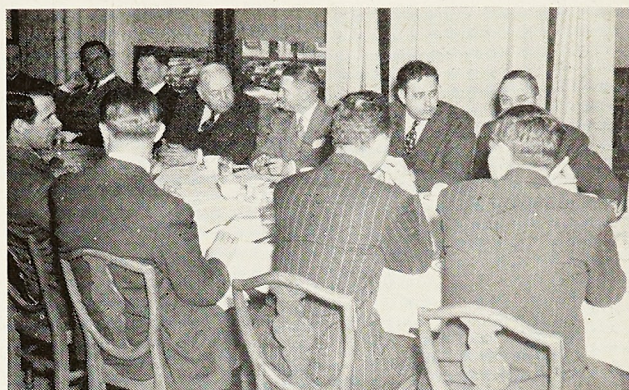
In 1949 A.I.M.E. will hold its annual meeting in San Francisco. MSM will be well represented and already a number of us are looking forward to meeting with the newly formed San Francisco Section. The Eastern Section, notwithstanding, will continue to hold an annual dinner in 1949.

SECTION NEWS

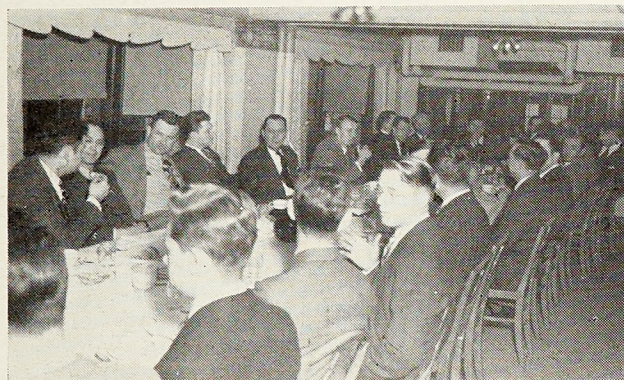
When the Alumni Met in St. Louis, March 12



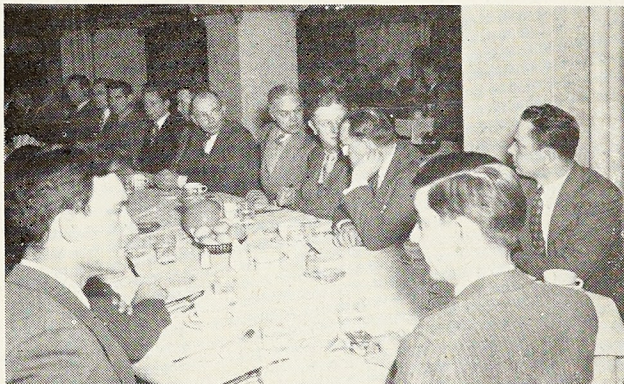
Here, facing the camera, we see: Einspanier, '47; Salarano, '47; Schwarz, '32; and Lischer, ex '34.



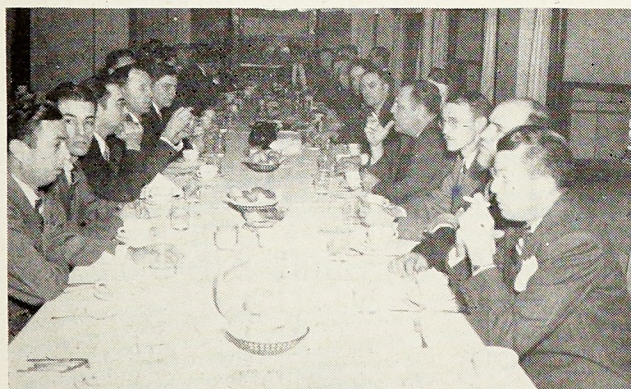
And at this table, looking our way, we find: A. Schwarz, '32; T. Rose, '36; M. W. Lischer, ex '34; Col. F. W. Green; Honorary Degree '40; Dean Curtis L. Wilson; P. T. Dowling, '40; and L. Pickles, '33.



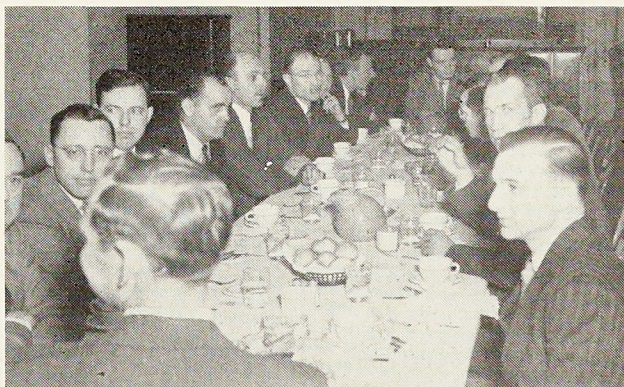
Part of the Miners at the main table.



Past President Schneeberger and part of the seventy other alumni in attendance.



A view of the main table.



The fellows at one of the smaller tables which had to be set up.

PHOTOS BY W. B. MEYER

SECTION NEWS

Los Angeles Section

By Barney Nuell '21

The largest and most successful meeting yet held by the Los Angeles Section, was held in honor of St. Patrick, on Saturday evening, March 20th, at Taix French Restaurant. Approximately seventy-five were present, with everyone wearing some green in honor of the occasion. Eva Hirdler Greene wore a bonnet that would have made Hedda Hopper green with envy. This fantastic creation was made of leaf lettuce, tastefully arranged to resemble a real hat. At that, it didn't look any crazier than some of the other things women are wearing for hats these days. Eva had quite a time with some of the exuberant Knights of St. Patrick, who wanted to sprinkle salt or mayonnaise on her head piece, but no casualties developed. Nat Lawrence did a grand job as St. Patrick, being dressed in an appropriate costume for the occasion, presiding over a real blarney stone with suitable decorations on the table, giving real, Irish names to everyone present.

Reports on Frisco Visit

The Chairman, Barney Nuell, reported on his visit to San Francisco on March 17th where he helped the Alumni in that area to organize a new chapter, which is to be known as the San Francisco Bay Area Chapter. He also reported on the pleasant interview he had with Mr. Jackling on the day following the meeting, and everyone was very happy to learn of Mr. Jackling's continuing keen interest in all matters relating to welfare of the school. It is a remarkable thing that fifty-six years after graduation from Rolla, Mr. Jackling is vitally concerned with the growth and development of M.S.M., as he has been all during his long and tremendously successful career. He pointed out that engineers today have to know a great deal more than they did when he went to school, because the frontiers of knowledge have been so vastly expanded. He is continuing to lend his active support to the development of Rolla as a school with a curriculum and a faculty second to none in the country.

Accompanied by Eva Green's sister, Mrs. Frank Henniger, the crowd gave forth with some lusty renditions of "I Wish I Had A Barrel of Rum," and "St. Patrick Was

an Engineer, He Was, He Was." Following general discussion on the good and welfare of the Chapter, election of officers was held, with the result that Barney Nuell '21 and Eva Greene '11 were reelected as President and Vice President, respectively. Bill Donaldson, '31, who has served well as Secretary for the past seven years, declined reelection, and John P. Rasor, '36, was elected to succeed him as Secretary.

Drives 100 Miles to Meeting

It is worthy of note that H. W. Lohman, of the class of 1907, drove approximately 100 miles from Santa Barbara, to be with us for the evening, and A. H. Barclay, Jr., '37, of Jackson, Mississippi, who happened to be in town on business, also came along to join in the fun.

Those present were:

Mr. and Mrs. Karl Allebach, '28
Mr. A. H. Barclay, Jr., '37
Mr. Mark Beard, '42
Mrs. Jessie H. Boyer, ex '08
Mr. Albert Bradt, '26
Mr. and Mrs. Charles G. Brent, '47
Mr. Don Clarke, '36
Mr. and Mrs. Paul Coaske, '12
Mr. and Mrs. Bill Donaldson, '31
Mr. and Mrs. Don Eggleston, '35
Mr. and Mrs. George Gaines, '25
Mr. and Mrs. J. W. Gardner, '41
Mr. David Greene
Mrs. Eva H. Greene, '11

Mr. and Mrs. Paul A. Halasey, '28
'28, and nephew

Mr. and Mrs. J. L. Hassett, ex '13
Mr. and Mrs. J. V. Heddell, '41
Mr. and Mrs. Frank Henniger
Mr. and Mrs. Scoville Hollister, '13

Mr. and Mrs. Daniel E. Huffman, '22

Mr. S. A. Kurtz, '42
Mr. and Mrs. N. M. Lawrence, ex '13

Mr. and Mrs. S. Paul Lindau, '11
Mr. H. W. Lohman, '04

Mr. and Mrs. Edgar C. Long, '30
Mr. and Mrs. Robert L. Massey, ex '18, and son, Robert L., Jr.

Mr. and Mrs. J. Charles Miller, '16
Mr. and Mrs. C. T. Millice, '36

Mr. and Mrs. Charles B. Neil, ex 25

Mr. and Mrs. Barney Nuell, '21
Mr. A. A. Peugnet, '27

Mr. and Mrs. R. K. Rasmussen, '43

Mr. John P. Rasor, '36

Mr. and Mrs. Curt H. Schmitz, '33

Mr. and Mrs. Leo G. Spinner, '43

Mr. and Mrs. O. R. Self, '43

Mr. R. J. Smart, ex '17

Mr. and Mrs. R. O. Swayze, '20

Mr. and Mrs. E. R. Tragitt, '23
Mr. and Mrs. John T. Young, ex '17

February 6 Meeting

The Los Angeles Section of the Alumni Association held a special meeting on Friday evening, February 6, in honor of President Karl Hasselmann, '25, and Past President George Easley, '09. Since a flying business trip brought Karl and George to Los Angeles on very short notice, there was not time to send out a written notice to all of our members, but by means of the telephone we contacted as many members as possible. This word of explanation is inserted so that those who later learn that they missed the pleasure of seeing Karl and George will not feel that they were slighted. We did the best we could in reaching everyone we possibly could, and those who come, felt amply repaid by the opportunity to meet Karl and Mrs. Hasselmann and George Easley. Both of these Alumni stalwarts gave us an extremely interesting talk of up-to-date conditions on the campus as they exist today, and a finer appreciation of the constructive job our Alumni Association is doing in furthering the best interest of the School of Mines.

Those present to honor Mr. and Mrs. Hasselmann and George Easley were:

George Gaines, '25
A. A. Peugnet, '27
Mark Beard, '42
Karl Allebach, '28
Mr. and Mrs. O. R. Self, '43
Mr. and Mrs. Scoville Hollister, '13
Mr. and Mrs. N. M. Lawrence, ex '16
Mrs. Eva Greene, '11
H. Soest, ex '06
D. R. Jaenecke, '38
Keith Cook, '44
Albert L. Bradt, '26
Mr. and Mrs. Barney Nuell, '21

Win Indoor Track Title

(Continued From Page 6)

ing: Captain Tony Pantaleo, Walter Kramer, Lloyd Youngs and Denny McColgin. In addition, there are several other potential Sammy Sneads among such men as Robert Shroyer, Jim Hubbard, Cliff Barritt, Stanley Scales, Jacob Jare and Curtis Moore.

SECTION NEWS

Chicago Section

By W. K. Schweickhardt, '28

Six P.M. - March 20, 1948 heralded the time, The Chicago Engineer's Club marked the place for the Chicago Section of the MSM Alumni Association's annual St. Pat's Party, which affair was one of the most successful of its kind. "Erin Go Braugh" rode high, only to be topped by the personal appearance of St. Pat himself.

Not so planned, but nevertheless quite appropriately, the first to arrive for the party were Mr. and Mrs. Horace H. Clark, '07, the senior active member of the Chicago Section. Shortly thereafter the spacious lounge of the club was filled with groups of Miners, their wives and guests, engaged in pleasant conversation, who were drawn together by former associations and ties at school. Many old friendships were renewed, and as the warmth and glow of the cocktail hour progressed, many stories and experiences of intermin years were exchanged. This joyous atmosphere itself was reminiscent of St. Pats at Rolla, but only marked the beginning of many nostalgic events during the evening.

After everyone had enjoyed a most delectable prime rib of beef dinner, John Post, '39, Chairman of the Chicago Alumni Section, added a few inimitable witticisms in keeping with the spirit of the occasion.

At the close of his remarks several choruses of "The Mining Engineer" were sung, whereupon the three piece string ensemble swung into melodies, old and new, to which rhythm only a few could resist dancing.

Later in the evening the familiar strains of "Wearin' of the Green" were heard and none other than St. Pat himself, bewhiskered and gowned in flowing robe and sandals with staff in hand, made his august appearance, having come directly from Rolla, to the pleasant amazement of all.

He, together with one of the former St. Pat's Queens—Mrs. Melvin Nickel, the former Mary Lou Breuer, held court and reigned supreme. His speechments had the old familiar ring and kept his followers in constant laughter, and in characteristic fashion, he made each and every Miner present account for his whereabouts and kiss the Blarney Stone. St. Pat, in the person of C. G.

Heslet, '37, did much to again enliven the St. Pats spirit of school years.

The Miners, wives and guests who were present to enjoy this festive occasion are as follows: Mr. and Mrs. Horace H. Clark, '07; Mr. and Mrs. G. E. Johnson, '16; guest C. Illidge, '20, from Joplin, Mo.; Mr. and Mrs. H. H. Hoppock, '20; Mr. and Mrs. Roy A. Lindgren, '23; Mr. and Mrs. C. A. Walls, '24; William Godwin, '25, and his guest; Mr. and Mrs. W. K. Schweickhardt, '28; Mr. and Mrs. Robert H. Sturgess, '28; Mr. and Mrs. Russell C. Miller, '29; Mr. and Mrs. Thomas J. Dover, '30; Mr. and Mrs. E. T. Regenhardt, '30; Mr. and Mrs. A. W. Oswald, '34; Mr. and Mrs. Wm. R. Burgoyne, '35, the former Miss Margaret Mann, ex '37; Mr. and Mrs. John E. Harrod, '35; Mr. and Mrs. Harlan K. Hoyt, '35; Mr. and Mrs. Charles W. Snyder, '35; Mr. and Mrs. John McKinley, '35; Mr. and Mrs. Herman Pfeiffer, '36; C. G. Heslet, '37; Mr. and Mrs. Melvin E. Nickel, '38; Mr. and Mrs. John R. Post, '39; Mr. and Mrs. Wm. Phillip Young, '39; Mr. and Mrs. Joseph Dusza, '41, guests Mr. and Mrs. I. Franzen and Mr. H. Treumann; Miss Lois Utz the guest of Mr. E. S. Bumps, '43; Mr. and Mrs. Thoman B. Getty, '44; and Mr. and Mrs. A. S. Itterman, '44.

Shortly after St. Pat's exit, the strains of "Home Sweet Home" climaxed a most delightful party.

Congratulations to Co-Chairman, Ed. (Tiny) Regenhardt, '30, and Tommy Dover, '30, who arranged this gala event.

Tulsa Section

By Russell A. Gund, '40

The Tulsa Section of the Alumni Association recently had election of officers at the home of the retiring section chairman, J. M. Wanenmacher, '23. The new officers are J. V. Spalding, '39, Chairman; John F. Reed, '40, Vice Chairman; Russell A. Gund, '40, Secretary.

Preliminary plans were discussed for entertaining visiting alumni during the International Petroleum Exposition to be held in Tulsa from May 15 to 22.

Those present were O. E. Stoner, '20, K. R. Teis, '23, J. M. Wanenmacher, '23, A. W. Walker, '24, R. L. Braeutigam, '33, C. C. Rodd, '33, C. V. Cameron, '38, J. V. Spalding, '39, R. A. Gund, '40, J. F. Reed, '40, and J. L. Shafer, '43.

In addition to those listed above the following men have attended

our weekly luncheon; Mayfield Huff, ex '17, H. W. Donneck, '18, Mark L. Terry, '20, T. W. Leach, '20, A. L. Ackers, '22, J. N. McGirl, '22, J. K. Murphy, ex '23, C. T. Jones, '26, A. Weber, '40, and N. Swallow, '43.

At our weekly luncheon meetings each Wednesday at "Bit-O-Sweden Restaurant" plans for the Petroleum Exposition entertainment were crystallized. A smoker for visiting alumni will be held Friday evening May 21 at the Veterans of Foreign Wars clubhouse.

Frisco Bay Area

By Robert L. Ray, '47

Fifteen MSM Alumni, commemorating the day of St. Patrick, gathered in San Francisco's St. Julien Cafe the evening of Wednesday, March 17, and officially established an MSM Alumni Chapter henceforth to be known as the San Francisco Bay Area Section.

Barney Nuell, '21, Los Angeles Alumni Chairman, traveled from Los Angeles for the occasion and provided an up-to-date account of recent MSM activities, stressing the work done by the President's Visiting Committee on curriculum study and national alumni cooperation in general.

It was through the efforts of Barney Nuell, in collaboration with W. R. Gettler, '22, that the group was brought together. It was to their credit that the new San Francisco Section showed a real enthusiasm for being a part of the national Alumni Organization.

Officers for the coming year were elected as follows:

Chairman—W. R. Gettler, '22

Vice-Chairman—J. H. Murphy, '38

Sec.-Treas.—R. L. Ray, '47

Following the election of officers an enlivening discussion was held concerning programs for subsequent meeting which will be held three times yearly. The goal of the Bay Area Section is a membership which will constitute most of the MSM graduates in the area, or about thirty members.

Those present at this first meeting were: P. J. Bouchier, '41, W. E. Brown, '07, E. H. Cathcart, '24, L. C. Elliott, '39, W. R. Gettler, '22, T. Herman, '28, H. Histed, '28, F. M. Krill, '43, J. C. Long, '07, R. W. Matthews, '38, Barney Nuell, '21, E. Pietz, '42, R. L. Ray, '47, Niles Suda, '45, J. G. Wink, '41.

ALUMNI MILESTONES

DEATHS

George E. Abernathy

George Elmer Abernathy, '14, geologist with the Kansas State Geological Survey, died on February 6.

He received his Bachelor of Science degree in Mining in 1914 and the Professional Degree, Engineer of Mines, in 1926 from MSM. From the University of Kansas he received his Master of Science degree in 1925 and his PhD in 1936.

"Abbie" worked for the Utah Copper Company, Anaconda Copper Co., and for the Las Dos Estrellas in El Oro, Mexico. From 1921 to 1936 he was Professor of Geology at Kansas State Teachers College in Pittsburg. From 1936 until his death he was with the Kansas Geological Survey.

While at MSM "Abbie" was on the Rollamo Board St. Pat's Committee, he played on the varsity football team and was a member of the Trowel Club.

A member of the Kansas Geological Society, the Kansas Academic Society, the A.I.M.M.E., Sigma Xi, Sigma Gamma Epsilon and the Kiwanis Club, he was listed in "Who's Who in Engineering."

E. J. Gregory

Earl Josiah Gregory, '30, passed away the first part of the year in Fenton, Michigan. A member of Lambda Chi Alpha, Earl was president of the chapter while at MSM. He was also vice president of Quo Vadis, vice president of Theta Tau, a member of Satyrs and a member of the Senior Council.

At the time of his death he was employed as an engineer with the Howell Electric Motors Company in Howell, Michigan. During the war he taught at Willow Run and previous to that time was technical sales engineer for Westinghouse.

Earl is survived by his wife, the former Miss Marguerite Charles, MSM, '30, of Rolla and three children, Jean Charles, 11, John Leighton, 9, and William Walter, 4.

A. J. Stewart

Arthur J. Stewart, '91, died on January 12 at the age of 86, in Bethesda, Maryland. He received his Bachelor of Science degree from MSM in Chemistry and Metallurgy in 1891 and the professional degree of Metallurgical Engineer in 1897.

J. J. McGrath

James Joseph McGrath, '32, died at his home in Clayton, Missouri, on October 14, 1947. He received his degree in Civil Engineering and was active in football while in school.

BIRTHS

Mr. and Mrs. W. E. Hill, Jr., '42, announce the arrival of William Elmer Hill, III, on November 3, 1947. The Hills have another son, Bob, who is 2½. Their home address is 1505 Fourth Avenue, Sterling, Illinois.

Nancy Alice was born on December 9, 1947, to Mr. and Mrs. Phil Pipkin, '39. Phil is senior transitman in the Division Engineers Office of the St. Louis Southwestern Railway in Pine Bluff, Arkansas.

Mr. and Mrs. George O. Nations, '36, announce the birth of their third son, Dennis Paul, on February 9. George is sales representative for the National Tube Company in Kansas City, Missouri.

A daughter, Linda Gail, was born to Mr. and Mrs. Robert Stowell, '42, in February. Bob is with the Alcoa Mining Company in Hillsboro, Oregon.

Mr. and Mrs. Howard W. Durham, '43, announce the birth of a son, John Francis, on January 14. Howard is in the Quality Control Department of the Pittsburg Corning Corp. in Sedalia, Missouri.

Janet Ann was born on March 7 to Mr. and Mrs. Gene Coulter. Gene is with the Shell Oil Company in Wood River, Illinois.

A daughter, Vicki Lynn, was born to Mr. and Mrs. Ralph E. Schneider, '36, on January 4. The Schneiders have a son, Karl. Ralph is owner of the Thirty-Six Oil Co., and his home address is Brown and Airport Rds., St. Louis County 14, Missouri.

Mr. and Mrs. W. P. Ruemmler, '48, announce the birth of their second child, Thomas, in February 1948. Wally has recently gone with the Eagle-Picher Company as development engineer. His address is The Eagle-Picher Co., 151 & McCook Ave., East Chicago, Indiana.

Mr. and Mrs. George Fort, '40, are the parents of a daughter born in Shreveport, Louisiana on April 9. George is associated with the Stanolind Oil & Gas Co.

A son, Richard Allen was born to Mr. and Mrs. Richard J. Followill, '40, on April 13 in St. Louis, Missouri.

WEDDINGS

Ikeuye-Shirao

Miss Sets Shirao and Kay Ikeuye, '46, were married on January 10 in Chicago, Illinois. Kay is a metallurgist with the Institute for the Study of Metals, University of Chicago, and the couple are living at 3483 S. Ellis Ave., Chicago, 15, Illinois.

Naert-Ruprecht

Miss Betty Louise Ruprecht and Gilbert A. Naert, '42, were married at the Church of Our Holy Redeemer in Webster Groves, Missouri, on February 7. Gilbert is employed by the National Lead Company in St. Louis, Missouri.

Niewoehner-Wilson

Miss Mable Wilson and Robert J. Niewoehner, '48, were united in marriage on January 31 in Glen-dale, Missouri. Bob is with the Western Cartridge Co. in Alton, Illinois.

Holliday-McMillin

Miss Mary McMillin and H. W. Holliday, '47, were united in marriage on February 18 at 8:30 in the evening at the Christ Church, Episcopal in Rolla. Henry is employed by the Missouri Highway Department and the couple will live on Highway 66 West.

Schoeneberg-Linville

Miss Margaret Linville became the bride of Kenneth W. Schoeneberg, '44, on February 7 at the St. Marcus Evangelical Church in St. Louis, Missouri. The best man was Eberhard H. Miller, '46, and Fred Olde, '42, served as an usher. Kenneth recently finished work for his Master of Science Degree in Civil Engineering. He is employed by the Frisco Railroad.

Keevil-McDaniels

Miss Marilyn Jane McDaniels and Albert S. Keevil, Jr., '43, were married at a candlelight service at the Southhampton Presbyterian Church in St. Louis, Missouri, on March 6. Jack Burst, '43, served as groomsmen and Matt Kerper, '43, was an usher.

Boza-Hook

Miss Suzanne Hook and Jorge Boza, '48, were married on March 12 in Arkansas. Jorge, who is from Lima, Peru, recently completed work toward a degree in Mining Engineering and is employed at Bonne Terre, Missouri.

ALUMNI PERSONALS

1887

Mail will reach Merritt W. Yeater at the following address: c/o John Brockmeyer, 5660 Kinsbury Ave., St. Louis 12, Missouri.

1893

Mail will reach J. C. Reid at 408 Main, Osawatomie, Kansas.

1898

V. H. Gottschalk moved on March 18 to 650 East Capitol St., Washington 12, D. C.

1904

Clarence Woods, who is a consulting mining engineer, can be reached at 601 S. Van Ness Ave., Los Angeles 5, Calif.

E. E. Price gives his new address at the Alta Club, Salt Lake City 1, Utah.

1908

Jessie H. Boyer, ex '08, who lives in the Chancellor Hotel, 3191 West 7th St., Los Angeles, California, writes "We are planning on having an MSM Alumni dinner on the 20 of March and will drink a toast to MSM."

Ralph R. Benedict's address is 1515 N. Harrison Street, Arlington, Virginia.

1909

E. J. Wolf lives at 2639 Vermont St., Quincy, Illinois.

1910

Van H. Smith, who is with the North American Cyanamo, Ltd., 2004 Royal Bank Bldg., Toronto, Ontario, Canada, writes that he plans to be in Rolla in 1950. He adds, "Have been corresponding with Frank Blake, '10, and will get in touch with J. L. Pickering, '10, Jim Chase, '12, and a few more—with idea of getting to Rolla in 1950. That will be 40 years since graduation for some of us—so perhaps we can take a drink and play a game of pool without undue censure from the faculty."

F. E. Townsend's address is 728 Wyandotte, Bartlesville, Oklahoma.

Mail will reach Harvey L. Tedrow at the Olin Hotel, Denver 3, Colorado.

1912

Mr. and Mrs. E. D. Lynton and their son, Dennis, were in Rolla on April 1, visiting friends on the campus. The Lyntons' have recently returned to the United States from France where "Ted" has been on loan from the Standard Oil Company to the Institut du Petrole des Carburants et Lubrifiants. They are on their way to California where

they can be reached c/o California Research Corporation, 200 Bush Street, San Francisco 4, Calif.

1913

Scoville E. Hollister has recently moved to 350 Avocado Terrace, North Whittier Heights, California. His mailing address is Route 2, Puente, California.

1914

O. Dexter Neal resides at 53 Berkshire Rd., Rockville Centre, L. I., New York.

1915

Sidney R. Hatch has his engineering offices at 914 7th Street, Douglas, Arizona.

1916

**James L. Head, Correspondent
Room 1726, 25 Broadway
New York 4, New York**

1916 was well represented at the AIME Annual meeting held in New York City in February. Besides the local contingent of Tommy Tompkins and your correspondent, Herman Vogel, Reginald Dean, and Louie Turnbull reported in from North Creek, N. Y., Washington, D. C., and Pittsburgh, Pa., respectively. Business brought Carl Stifel on from St. Louis the same week and he was able to join us at the Alumni Association dinner on February 17. Carl, as you all know, was President of the Association from 1941 to 1944.

1917

The one-man Tampa, Florida Alumni Section, James H. Bock, '17, had a luncheon early in March at which the only guest was Alumni Vice-President Head. Afterwards the meeting adjourned to Jim's orange grove which seems to be a better prospect than many metalliferous ones turn out to be.

1918

Mail will reach W. V. Bayha, ex '17, at 515 Tiffin, Ferguson 21, Missouri.

1919

P. H. Bohart, vice president of the Gulf Oil Company, has gone to the Near East for a survey of company properties in Iran.

Joseph B. Duga is manager of the Roost Laundry Machinery Co. in Huntington Park, California. His home address is 455 S. Lapeer Drive, Beverly Hills, California.

1920

Peter H. Pietsch's mailing address is 6023 Kimbark Ave., Chicago 37, Illinois.

W. J. Nolte is with the Stanolind Oil and Gas Company in Fort

Worth, Texas.

Oscar E. Stoner resides at 1228 S. Columbia Place, Tulsa, Oklahoma.

1921

H. W. Hurst is with Inland Steel Company in Rosiclare, Illinois.

1922

Kurt H. DeCousser's address is 1625 W. Kalamazoo, Lansing, Mich.

Edward J. Torrence is with the Braden Copper Company in Rancagua, Chile.

Mail will reach O. E. Fischer, ex '22, at the Berni Hotel, Biscayne Boulevard at N. E. Second Street in Miami 32, Florida.

1923

H. C. Loesche writes, "Got together with Roland Traggitt the other day and talked over old times at Rolla." Mail will reach Harry at 428 Acheson Bldg., Berkeley 4, California.

W. P. Gatts gives his new address as Bemis Brothers Bag Co., Omaha, Nebraska.

W. R. Ingalls' mailing address is Georgetown, Mass.

Joseph M. Wanenmacher, in Rolla on March 30 on business for the State Geological Survey, visited the campus. Joe is a consulting engineer with the firm of Keplinger and Wanenmacher, 329 Kennedy Bldg., Tulsa, Oklahoma.

1924

Lt. Col. Jack P. Campbell, '24, writes, "Since I have been out of touch with the MSM campus for a long time, I might mention briefly that I am an Army 'career' officer and permanently assigned as executive of the Baltimore Engineer District. I have travelled around considerably for several years, but seem to run on to Miners nearly everywhere. During the war I commanded an Engineer Combat Group in Europe and "Ducky" Moreland, '28, was an officer in one of my attached battalions. Here with me now in the Baltimore District are "Doc" Samples, ex '24, Dick Rydstrom, '32, and Ted Hunt, '33. Also many of the alumni would remember our district engineer here, Col. W. W. Wanamaker, who was P.M.S. & T. at Rolla in the middle '20s. From the occasional information that comes my way, I gather that the Alumni Association is doing a grand job for the school and what it stands for. Congratulations and best of luck. I hope to make a

ALUMNI PERSONALS

"Homecoming" visit to the campus and renew a lot of old and fond friendships." Jack's address is War Department, Corps of Engineers, P. O. Box 1715, Baltimore 3, Maryland.

David J. Flesh, ex '24, is a geologist and engineer, and his mailing address is P. O. Box 491, Jefferson, Texas.

G. C. Gabler is with the Monsanto Chemical Company in Miamisburg, Ohio.

G. T. Dierking gives his new address as 512 First National Bank Bldg., Tuscaloosa, Alabama. He says, "I intend to be here in Tuscaloosa from twelve to eighteen months and I don't want to miss my 'Alumnus.'"

H. P. Lawrence is with the Northwest Lead Company in Seattle, Washington.

1925

William F. Hauck is county superintendent of highways in Whiteside County, Illinois. His home address is 507 S. Orange St., Morrison, Illinois.

E. A. Smith's, ex '25, mailing address is Box 746, Bristow, Okla.

1926

Mail will reach H. A. Herder, ex '26, at 375 Argyle Avenue, Elmhurst, Illinois.

P. D. Scott gives his address as 521 Date St., Boulder City, Nevada.

Mail will reach James D. Behnke at 5937 Enright Ave., St. Louis 12, Missouri.

1927

Robert S. Douglass is with the Shell Oil Company, Inc., 50 West 50th Street, New York 20, New York.

Edward H. Cook gives his mailing address as 625 N. 33rd St., East St. Louis, Illinois.

1928

Edward C. Miller resides at 16556 Greenlawn, Detroit 21, Michigan.

Louis J. Burg gives his new permanent address as 224 South Morrison Ave., Collinsville, Illinois.

1929

Charles H. Dresbach, formerly assistant manager and chief geologist of the Colombian Gulf Oil Company, was recently made general agent of the company with headquarters in Bogota, Colombia. He

has been with the various Gulf Companies for sixteen years, his last domestic assignment being with the Western Gulf Oil Company. Mail will reach him c/o Colombian Gulf Oil Co., Apt. Aereo 4014, Bogota, Colombia.

L. H. Schuette, who lives at 2215 Fremont in Rockford, Illinois, is with the Sundstrand Machine Tool Co. in Rockford.

1930

Lloyd R. Lacy, who is with the Phillips Petroleum Company, lives at 711 Cecile Place, Shreveport, La.

J. S. Cullison came to the United States on December 18 and has been visiting at West Plains, Missouri. Jim is assistant chief paleontologist of the Creole Petroleum Corp. at Caracas, Venezuela.

J. W. Graybeal is with the Skelly Oil Company in Midland, Texas. His mailing address is 1601 W. Illinois, Midland, Texas.

1931

R. C. Graham, who is with the Tennessee Gas Transmission Company, resides at 3806 Rosedale, Houston 4, Texas.

J. E. Scally gives his address as 9 W. 9th St., Tulsa, Okla.

1932

A. S. Schwarz, who lives at 340 Gill Avenue, Kirkwood, Missouri, is working for the John Nooter Boiler Works Company in St. Louis.

William O. Woods gives his temporary address as 1222 West Fourth St., Los Angeles 13, Calif.

Harold J. Bruegging's address is 719 Houchin St., Jefferson City, Missouri.

Howard B. Wyrick lives at 247 Grove Street, Auburndale 66, Mass.

1933

Ted Hunt writes, "It is interesting to occasionally check on the whereabouts of some of my old friends from school. I did get to see quite a number of them when I was in Rolla for the 75th Anniversary celebration. I hope that I will be able to visit Rolla a little more often in the near future than I have in the past." Ted's address is 2522 N. Calvert St., Baltimore 18, Maryland.

M. L. Herzog lives at 55 Berrywood Drive, Glendale 22, Missouri.

Charles K. Rose has recently changed his address to Cia Minera de Oaxaca, S. A., Mina Tejocotes, Huitzo, Oaxaca, Mexico.

1934

Harold R. Absher is County Superintendent of Highways of Washington County, Illinois. He lives at 220 E. Walnut, Nashville, Illinois.

J. H. McKinley is with the Argonne National Laboratory in Chicago, Illinois.

H. W. Decker is working as industrial salesman for the Phillips Petroleum Company. His address is 5735 Goethe Ave., St. Louis 9, Mo.

R. L. Stone is an instructor at Ohio State University in Columbus working toward a Doctor's degree.

1935

James P. Sloss is manager of exploitation and production of W. C. McBride, Inc., San Antonio, Texas.

Robert Gill Montgomery was on the campus on January 16. His address is 2309 Illinois Ave., Eldorado, Illinois.

1936

George O. Nations writes, "Please convey my best regards to our many friends among the faculty and alumni." George lives at Foxwoods, Route 8, North Kansas City, Missouri.

Basil N. Osmin, ex '36, who is in Berlin, Germany, gives his address as I.Z.F.B.-A.C.A., APO No. 742, New York, New York.

H. J. Pfeifer is living at 695 Hill Ave., Glen Ellyn, Illinois.

1937

Leland E. Grafft has recently been put in charge of the Minneapolis Sales Department of the American Bridge Company. Leland writes that his family is still in Gary, Indiana, and will continue to live there until he can find a suitable place for them in Minneapolis. Mail will reach Leland at 261 Ellsworth St., Gary, Indiana.

Walter T. Jones is manager of the Fabrication Division of the Rio Grande Steel Products Co. in Albuquerque, New Mexico. His home address is 2104 E. Gold Ave., Albuquerque, New Mexico.

W. W. Culbertson gives his new address as 2460 Saybrook Rd., University Hts. 18, Ohio.

Grant W. Schaumburg gives his address as 264 S. 3rd East St., American Fork, Utah.

William C. Busch is a relay and distribution engineer for the Central Illinois Electric and Gas Co. His home address is 1421 N. Church St., Rockford, Illinois.

A. H. Barclay gives his address as Route 5, Box 4, Jackson, Mississippi.

ALUMNI PERSONALS

1938

Mail will reach Fred A. Wonn at 104 E. 40th St., Wilmington, Delaware.

W. W. Decker, who is plant engineer for the A. B. Chance Company in Centralia, Missouri, has recently moved to 312½ S. Rollins St., Centralia, Missouri.

R. D. Freidank gives his mailing address as Unit No. 1, Sandia Air Base, Albuquerque, New Mexico.

1939

Walter L. Goelkel is with the Calvert Distilling Co. in Pine Bluff, Arkansas.

Jack Long was on the campus on February 10. Jack is Superintendent of the Cadet Mining Company at Potosi, Missouri.

J. J. Parker is with the Gates Rubber Company, 2701 Olive St., St. Louis, Missouri.

Frederick Morrison is living at 6173 Westminster Place, St. Louis 12, Missouri.

Robert A. Carter is employed by the Carbide and Carbon Chemicals Corporation in Oak Ridge, Tennessee. He lives at the Glendale Apartments No. 3 in Oak Ridge.

W. A. Roarig is living at 508 N. Tenth St., La Crosse, Wisconsin.

R. W. Love was in Rolla on March 8 interviewing seniors for the Texas Company. He lives in Wichita, Kansas, at 812 N. Madison.

Mail will reach Arthur W. Clarkson at P. O. Box 241, Hannibal, Missouri.

Leroy E. Smith lives at 2504 Aldringham, Toledo 6, Ohio.

1940

James O. Ferrell is superintendent of the Geneva Steel Co. Rolling Mills in Salt Lake City. He lives at 315 S. 3rd E., American Fork, Utah.

Mail will reach C. A. Corneau at the following address: c/o U. S. Gypsum Co., P. O. Box 620, El Centro, California.

Rex Alford, who is with the Mene Grande Oil Company in Barcelona, Venezuela writes, "Herb Voltz, '41 and V. A. Smith, '42 are working for this company and I see them very frequently."

A. W. Brune's address is 3921 Pennsylvania, St. Louis 18, Mo.

Joseph E. Spafford is now associated with the South Buffalo Railway Co., 2558 Hamburg Turnpike,

Lackawanna, New York.

Captain P. F. Ross is located at 15th Air Force Headquarters, Colorado Springs, Colorado.

Lewis E. Sears is owner and publisher of the "Leon News" in Leon, Kansas.

1941

Frank H. Mentz is living at 14 Waxberg Lane, Pine Brook, New Jersey.

Andrew B. Llack is with the Cerro Pasco Copper Corp., in Oroya, Peru, South America.

R. L. Topper lives at 4409 Flora Avenue, Kansas City, Missouri.

Eugene P. Boyt's address is P. O. Box 764 Davis Dam, Nevada.

Mail will reach Virgil O. Becker at the following address: Route No. 3, Box 285, Baden Station, Missouri.

1942

Harold Krueger and his wife were in Rolla for St. Pat's, and were the guests of the Bob Ecks, '43. Harold has recently been appointed superintendent in charge of Tri-State operations of the St. Louis Smelting and Refining Company. His home is in Baxter Springs, Kansas.

V. A. Smith is with the Gulf Oil Company, Apartado No. 45, Barcelona, Venezuela.

Robert M. Dunham is living at 134 East 18th, Apt. 6, Tulsa 5, Okla.

Ed Rassinier is regional reservoir engineer with the Phillips Petroleum Company, 1043 City National Bank, Houston 2, Texas.

Herbert E. Pagel's mailing address is c/o Stanolind Oil & Gas Company, Seymour, Texas.

Bob Winkle, who has been on vacation in Bolivia and Peru writes, "I spent so much time in Bolivia and Southern Peru that I didn't get up to Lima to see Andy Black, '41, and Carlos Plenge, '40, as I had intended." Mail will reach Bob at the following address: c/o Chile Exploration Co., Chuquicamata, Chile.

R. A. Pohl lives at 4464 Russell, St. Louis, Missouri.

William E. Hill, Jr., was in Rolla for the St. Pats festivities. He is assistant superintendent of the Russell, Burdsall & Ward Co., in Rock Falls, Illinois.

B. F. Ebeling writes, "I am still General Foreman at Reynolds Mining Corp., living on a ten acre farm, have a four month old baby

daughter named Anne Elizabeth, and a flock of geese and ducks." Mail will reach him at Box 211, Bryant, Arkansas.

Bailey W. Hagar is doing graduate work in Chemical Engineering at MSM. His address in Rolla is 202 S. Cedar.

Allen L. Lewis is living at 308 Michigan, Baytown, Texas.

Charles Hillery has recently changed his address to Box 81, Henderson, North Carolina.

Joseph T. Karbosky has been transferred by the Phillips Petroleum Company from Borger, Texas, to Bartlesville, Oklahoma. He is working in the Process Design and Development Section of the Natural Gasoline Department. His address in Bartlesville is 525 Osage Avenue.

1943

Fred Radavich, who is doing graduate work at MIT writes, "So far I haven't had a chance to get back to Rolla, but I am very much looking forward to it." Fred's new address is 222 Hemenway St., Boston, Mass.

R. R. Finch gives his new address as 1608 N. Main St., St. Joseph, Missouri.

Vernon T. McGhee writes, "I am still working with the Phillips Petroleum Co., but have recently transferred from the Chocolate Bayou District of the Production Department to our Houston office. Ed Rassinier, '42 and I are engaged in petroleum reservoir engineering for the company's southern region, and we work in the same office. My new address is 1043 City National Bank Building, Houston 2, Texas. Betty and I will continue to live at Alvin, Texas until we find suitable quarters in Houston.

Wilbur A. Haley is living at 1229 Bacon St., Pekin, Ill.

Joseph Adams is a sales engineer for the Nordberg Manufacturing Company. He travels in Texas, Oklahoma and New Mexico selling diesel power units for his company. His business address is 419 Cotton Exchange Bldg., Dallas, Texas.

Herbert S. Kalish has just finished work for his Master of Science degree in Metallurgy at the University of Pennsylvania and is at present working in the Thermodynamics Research Laboratory at the University. His address is c/o Department

ALUMNI PERSONALS

of Metallurgy, Towne Scientific School, University of Pennsylvania, Philadelphia 4, Pa.

Glendon D. Jett gives his mailing address as P. O. Box 1577, Laredo, Texas.

R. Kent Comann is quarry superintendent of the Genoa, Ohio lime plant of the U. S. Gypsum Co.

Jack E. Fleischli, lubrication engineer of Phillips Petroleum Co., St. Louis, Missouri, was in Rolla on February 19.

Howard W. Durham was on the campus on February 10.

S. H. Durst is living at 4830 S. 6th, Louisville, Kentucky.

1944

R. W. Jamison has recently changed his mailing address to 965 First National Bank Building, Oklahoma City, Oklahoma.

James W. Copening is living at Mansionettes, Apt. 11-A, Pittsburgh, 25, Pa.

Joseph E. Jenkins is living at 838 Adams Lane, Berea, Ohio. Joe writes that he and his wife, Virginia, are now the parents of a young son, Gary.

Francis S. Nelson is living at 421 S. Colorado in Kansas City, Missouri.

A. R. Savu is doing graduate work in Metallurgy at MSM. His address is 705 Park, Rolla, Missouri.

Allan S. Reichert is living at 2011 E. Wood Pl., Milwaukee, Wisconsin.

Thomas B. Gettys is with Westinghouse and lives at 1863 S. Saay-er Ave., Chicago 23, Illinois.

E. M. Schultz's address is Rt. 10, Box 1042-A, Ferguson, 21, Missouri.

J. J. McCarthy is living at 1509 Robert St., New Orleans, La.

J. D. Sheppard has recently been released from the Navy. His mailing address is 1115 S. Weller Ave., Springfield, Missouri.

Ernest J. Massard is teaching at the University of Detroit, Detroit, Michigan.

Alan P. Ploesser writes, "I am employed as a construction engineer by the Herlihy Mid-Continent Co., who are remodeling and making additions to the Commonwealth-Edison Bldg. in the Chicago Loop." His home address is 1020 Grove, Evanston, Illinois.

Lincoln A. Sanders is living at 1124½ W. 45th St., Los Angeles, California.

Millard F. Kadera is living at 5438 Chippewa St., St. Louis, 9, Missouri.

P. M. Dampf lives at 1747 College Ave. in East St. Louis, Illinois.

1945

Robert Murray is living at 2713 South 18th St., St. Louis, 18, Missouri.

Carl B. Yoder recently moved to 35 Hillcrest Drive, Charleston 2, West Virginia.

1946

J. Harvey Renfrew is living at 117 Green St., Cambridge, 39, Mass.

J. E. Coulthard is with the Empire Zinc Division of the New Jersey Zinc Company in Gilman, Colorado.

Mail will reach Kenneth M. Wilhelms at 6712 Alexander St., St. Louis, 16, Mo.

1947

J. W. Liddell recently completed a course in photography at the Baltimore Institute of Photography in Baltimore, Maryland and has accepted a position with the Eastman Kodak Co. at Rochester, New York.

Mail will reach H. J. Galavis at Este 14 No. 3, Caracas, Venezuela.

Philip A. Tucker is now with the Monsanto Chemical Co. at Dayton, Ohio. His home address in Dayton is 2105 Rugby Rd.

John Andrews is with the Inter American Geodetic Survey and is engaged in mapping in Central and South America. Mail will reach John at the Inter American Geodetic Survey, c/o U.S. Consul, Medellin, Columbia, South America.

Samuel Tarson's address is Iroquois 4-03, West Lafayette, Indiana.

Sam Lloyd, who is with the Salt Dome Oil Corporation, gives his home address as 5606 San Jacinto, Apt. 1-E, Houston, Texas.

Virgil Johnson recently moved into his new home in Homewood, Illinois. His mailing address is R.R. Box 208, 18506 S. Western, Homewood, Illinois.

Richard L. Schmitz is living at 2326 Hilton Ave., Brentwood, 17, Missouri.

Charles R. Counts gives his address as 319 Prospect, Alton, Illinois.

Lester K. Moeller lives at 1462 Ormond Drive, Corpus Christi, Texas.

1948

Cecil A. Branson is employed by International Business Machines Co., and his mailing address is 617 W. High St., Jefferson City, Missouri.

Albert W. Usadel has accepted a position as assistant mining engineer with the Wisconsin State Industrial Commission. His mailing address is Industrial Commission, Room 234, State Office Building, Madison, Wisconsin.

Charles W. Reed is employed by the Standard Oil Company at Sugar Creek, Missouri. His mailing address is 2413 South Woodland, Independence, Missouri.

Vincent V. Valleroy, who is doing graduate work at Massachusetts Institute of Technology, gives his address in Cambridge as 352 Harvard St.

R. C. Barker has accepted a position with the United States Gypsum Company.

Joseph V. Salvo is with the Schlumberger Well Surveying Corp., in Houma, Louisiana. His permanent mailing address is 214 Mississippi, Crystal City, Missouri.

John W. Kasten is with the General Electric Co., and his mailing address is 274 Forrest Hill Drive, Syracuse, 6, New York.

Tad Kawaguchi is employed by Republic Steel in Cleveland, Ohio.

William W. Bishop gives his address as 705 Silliman Ave., Erie, Pa.

Elvin M. Gurnea has accepted a position with the Schlumberger Well Surveying Corporation at Shreveport, Louisiana.

Melvin A. Hagan is working for the Midwest Research Institute in Kansas City, Missouri. He lives at 500 E. 36th St. in Kansas City.

William E. Neustaedter is an Engineer Inspector with the Missouri State Highway Department in Windsor, Missouri.

Ralph W. Ruwwe, who is with the Geological Department of the Stanolind Oil Company, gives his mailing address as 621 North Terrace Drive, Wichita, Kansas.

Clyde E. Stauffer has accepted a position in Phoenix, Arizona.

Kermit N. Rasmussen gives his address as c/o Schlumberger Oil Well Corp., Falfurrias, Texas.