



Missouri S&T Magazine, March-April 1950

Miner Alumni Association

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MSM ALUMNUS

Missouri School of Mines and Metallurgy
ROLLA, MO.

VOL. 24

MARCH-APRIL :: 1950

NUMBER 2



President Middlebush Reports (See Story on Page 3)

Largest Graduating Class in History to Get Degrees at Jackling Field Ceremonies

The largest graduating class in MSM history by far will receive their degrees on May 29, 1950 at a ceremony to be held on Jackling Field beginning at 9:30 a. m. The exercises will be held in the open entirely this year due to the large number involved. There will be between seven hundred and fifty and eight hundred degrees conferred at the May commencement which, when coupled with the summer term, will make around nine hundred receiving degrees during the calendar year of 1950. This will increase the number of living graduates by almost twenty-five per cent.

Dr. C. J. Potter, MSM '29, President of the Rochester & Pittsburgh Coal Company, will deliver the commencement address. Dr. Potter won outstanding distinction during the war as Solid Fuels Administrator for the United States Government.

The Baccalaureate will be held Sunday, May 28, 1950 at 8:00 p. m. with the Reverend Dr. William B. Lampe, Pastor of the West Presbyterian Church in St. Louis officiating.

1950 Enrollment Is Ten Per Cent Below 1949

The cumulative enrollment for the calendar year ending June 1, 1950 shows a decline of approximately ten per cent over the comparable year ending June 1, 1949. According to figures in the Registrar's Office, there was a total of 3,027 individual students on the campus during the year ending on June 1, 1949; and, for the same period ending June 1, 1950, there were 2,721 individual students on the campus.

The Mining Department had the largest enrollment of the various departments, followed by Mechanical Engineering with Civil Engineering as third.

With the largest graduating class going out this year, the enrollment next year will probably drop about twenty per cent. This represents the graduation of the large number of veteran students who came to the school in 1946.

ing. This, too, is going to be held on Jackling Field.

The Commencement Committee, under the sponsorship of Prof. V. A. Gevecker, '31, is faced with the problem of what to do in case of rain. In event of rain, the baccalaureate exercises will be held in Parker Hall, with only the actual graduating class admitted. The auditorium of Parker Hall seats a little over five hundred. The Commencement exercises will be held in two shifts and possibly three, in case of rain on that day, in order that all members of the class may have their degrees conferred upon them and hear the commencement address. The possibility of holding the exercises in the gymnasium and excluding practically all but the graduating class is also under consideration.

"Old Timers" to Make Undergraduate Award

The Old Timers Club, membership of which consists of men prominent in the coal industry, has established a form of recognition for outstanding students at the School of Mines and Metallurgy in the form of a presentation of a pocket watch on the back of which will be engraved a suitable citation. The award will go to the outstanding student in mining engineering who intends to make coal his life's work.

The selection of the student is to be made by a faculty committee appointed by the Dean, and the award will be made by some member of the Old Timers Club at an assembly of the students of MSM.

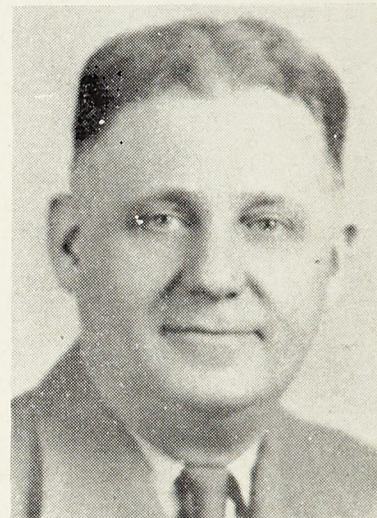
The offer of the award came from Paul Weir, chairman of the scholarship committee of the Old Timers Club, who is president of the Paul Weir Company, Inc., mining engineering geologists, 20 North Wacker Drive, Chicago, Illinois. Original negotiations for the award were carried on through D. R. Schooler '26, an instructor in the MSM mining department.

MSM Grad Succeeds As Photo Geologist

By H. R. Hanley, '01

Many people on the campus enjoyed a widely travelled visitor the week of April 3—Virgil L. Whitworth '23, one of the top flight Photo Geologists of the U. S.

He was born on a Missouri farm at Nevada, Missouri. After graduating with scholarship honors from



Virgil L. Whitworth

Nevada High School he entered the Missouri School of Mines and Metallurgy in the fall of 1916.

Early in his sophomore year he entered World War I (October, 1917) for its duration. He had two years of Army service and in 1920 re-entered the School of Mines, graduating with a major in geology and a minor in metallurgy.

A member of PiKA, Virgil was also active in the music activities on the campus and was featured at various public occasions as "Virgil Whitworth and His Wooden Piano". Virgil was an artist with the xylophone (marimba), and following graduation he continued his hobby in broadcasts over the radio networks in Texas.

Being interested in petroleum technology, he joined the Roxana Petroleum Company in Tulsa, Oklahoma, in field surveying division. As the years went by he did a lot of "crop-walking" and served in expanding capacities with

(CONTINUED ON PAGE 4)

President Middlebush Gives Objectives For Future Progress at School of Mines

It is a pleasure to outline briefly the plans and program of development for the future of the School of Mines and Metallurgy upon which we have been working.

There has been a rapid increase of enrollment in all colleges and universities during the past few years. At the School of Mines and Metallurgy, these years have brought an increase of three times the prewar enrollment of the School, a very remarkable expansion indeed. The sudden increase in our enrollment has not been accompanied by an equal expansion of space and facilities to serve the large numbers in the way we should like. But we have found various means of stretching our present facilities and, by adding some temporary and some permanent quarters we have taken care of the peak load in fairly satisfactory fashion but on a temporary basis.

We feel that we are justified in assuming that the School of Mines and Metallurgy will continue to have a fairly large enrollment. Present estimates are that its enrollment may drop to 1800 or thereabouts in the near future but will increase considerably beyond that figure by the end of the

decade. Our plans, then, must provide for taking care of all the curricula and departments as adequately as this can be done, on the basis of needs that can be foreseen. The dormitory development will

President's Column

By Mervin J. Kelly, '14

The ALUMNUS is most fortunate in having President Middlebush of our University as its guest writer for this issue.

President Middlebush is introducing a new series of guest writers for this column. He will be followed in later issues by Dean Wilson and the heads of the departments of our School. We now plan to have a guest writer for this column in at least half of our issues.

In inviting members of our School's administration and faculty to contribute, we are not restricting the subject matter for we are sure that anything they wish to say will be of interest to the alumni.

be of permanent value in solving our residential and messing problem, though we shall probably always need as much living space in Rolla as the town can supply.

Our present construction program and plans for the near future provide for adequate quarters for Chemical and Mechanical Engineering in new buildings and also for Mining and Metallurgy in our remodeling program to be carried out during this biennium. This program also provides for extensive repairs including construction of steel, fireproof stairways in older structures notably Norwood and Old Chemistry. Plans call for early extension of the new Laboratory development to take care of Electrical Engineering and Mechanics and also, eventually, new facilities for Geology and Physics. A new and enlarged library and an auditorium are also envisaged and will be of great assistance to the program in Social Studies and Humanities. This building program is not a dream but a determined plan

of expansion already discussed and projected.

But let me offer here, as is my duty, a caution that the University is not seeking mere size as an end in itself in any division. We hope to achieve, in all our departments, an institution of highest quality that will retain the world-wide respect and renown that the School of Mines and Metallurgy and other divisions of the University have so gloriously achieved in the past. Adequate faculty, facilities and equipment are absolute essentials for the high quality of work that we want to offer in every part of the University of Missouri.

We recognize the concern already finding expression that too many men are now being trained in engineering and technology and some of the other professions. I do not have this view. Our major concern however should be that our graduates have such excellent education that they will succeed where others may fail. We note that new avenues for placement are constantly opening in many of the professional fields. But regardless of size, our University which became well-known as a small institution, must still produce the best in quality no matter what its size may be in the future. This is our firm objective for the School of Mines and Metallurgy.

Frederick A. Middlebush,
President, University of Mo.

MSM ALUMNUS

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School to Get Books of the Late N. J. Gilsdorf

Mrs. Nicholas J. Gilsdorf, wife of N. J. Gilsdorf '35, has written to Dean Wilson offering to present the library of her late husband to MSM for use in the library or for the use of needy students in the case of textbooks. Dean Wilson has written Mrs. Gilsdorf accepting her offer of the books as a memorial to her husband.

Nick was killed in the military service during the late war in an airplane accident near Hamilton Field, California on October 10, 1944. He was then serving as a Captain in the Medical Corps. He was an outstanding student on the campus and one of the student leaders.

Daughter of St. Pat's Founder Is Honored

An interested spectator at St. Pat's celebration on March 17 was John Bowles '08. John was one of those who organized the first St. Pat's in Rolla in 1908 and was the official delegate to the University of Missouri to attend the St. Pat's celebration there that year. The 1950 celebration was the third one John had seen in his time. He saw the celebration in 1909 and again in 1916. He did not see the first one although he was one of the prime movers in organizing the celebration, since he was the official delegate from the School of Mines to the University of Missouri to help them in their St. Pat's celebration.

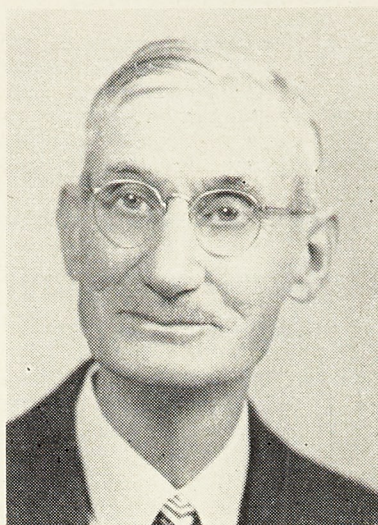
John was much impressed with the progress St. Pat's has made in the past forty-two years, and particularly with reference to the cost. He maintains that the first celebration here cost \$12.00, which was collected by the student organizers at what was then a common rendezvous as now. That was Scott's Drug Store at the corner of Eighth and Fine Street. This money was used to pay John's expenses to Columbia. John contrasted this \$6.00 with the \$5,000.00 which St. Pat's Board spent on the 1950 celebration, and he maintains that everyone had a good time in 1908 even with this limited expenditure.

George Menefee 'ex 07 was the first St. Pat, John says, and there



Ruth Bowles

was no St. Pat's Queen. The second year William "Windy" Holm 'ex 09 was St. Pat, and both, according



John Bowles

to Joe Bowles, '10, came in on the traditional hand-car even as St. Pat does today.

One of the main reasons John was interested in the 1950 St. Pat's was the fact that his daughter, Ruth, a senior at the Rolla High School, was the maid of honor for Sigma Pi fraternity. John watched with pride his own offspring participate in the celebration which he was instrumental in organizing forty-two years before.

Whitworth

(CONTINUED FROM PAGE 2)

this and other companies including Sunset Oil Co., Dallas; Continental Oil Co., Fort Worth; and the Deep Rock Oil Co. For the latter Company he was chief geologist for the Texas State Division.

During this association, he became interested in what was to become "Photo Geology"—aerial surveying of structures—and directed these studies for the Fairchild Aerial Survey. When World War II began he applied for a Commission in the U. S. Army Air Corps in Photographic Intelligence—a field which provided great opportunity for aerial studies in military operations and which became the basis for a civilian professional career.

Upon entering the Air Corps he had 18 weeks intensive schooling: Miami Beach, Army Air Force In-

telligence Headquarters, Harrisburg, Pa., and the Pentagon in Washington, D. C.—all in Air Force Photographic Intelligence. Immediately following this schooling in January, 1943, he found himself in New Delhi, India, having flown from Miami thru the Caribbean, Brazil, Ascension Island, across Central Africa and around Arabia.

He spent 2½ years in the China-Burma-India theatre helping run the Japs out of Burma; serving in Karchi, Lahore, New Delhi, Camilla and Calcutta.

While on the front in Camilla, he was Photographic specialist in charge of target photography for Sir John Baldwin's 3rd Tactical Air Force and later held this responsibility for the big bombers of Brig. General Stratemeyer in Calcutta.

At the end of the war he joined the Drilling and Exploration Company, Inc., of Dallas and Los Angeles in its Brazilian contingent and left for Salvador Bohia on the east coast of Brazil. He served for three years in the capacity of Photo-Geologist and consultant to the Brazilian Government, where he introduced and incorporated the Photo Geological Department into the work of oil exploitation. After completing this work, his company asked him to return to the States and appraise a portion of an area known as Central West Texas thru the medium of Photo-Geology. This reconnaissance being completed and although another similar study in a foreign country beckons, he wishes to take time out to do a little "catching up" on some school work he has felt is long overdue.

He is entitled to four years of graduate work under the G. I. school program. Thus he is seriously thinking of abandoning "latitudes and longitudes" for the time being to do initial work toward a Ph. D. degree in his field of interest (oil or mineral geology) and it is probable his initial graduate work will be done at MSM.

He likes Brazil best of any country in which he has worked outside the United States and has become proficient in both writing and speaking the Portuguese language.

This interpretative work in the oil world is meeting with considerable success and has encouraged him to persevere in a "new science" about which in the commercial world not too much has been here-to-fore known.

Former Faculty Member Predicts Need for More Graduates in Field of Engineering

Below is reprinted an article by Henry H. Armsby, Associate Chief for Engineering Education, which appeared in "Higher Education," published by the Federal Security Agency, Office of Education in Washington, D. C. for April, 1950 and dealing with the future of engineering education in this country. "Doc" Armsby was for many years on the Faculty of MSM and is known to most alumni of the school. His conclusions with reference to the future demand for engineers is of interest to all.

Unless the percentage of high-school graduates entering engineering college is increased, there is a strong probability that instead of a large surplus of engineering graduates, which has been prophesied rather widely, there will soon be fewer engineering graduates available than are needed annually by our national economy.

The disturbances of the early war years caused a serious shortage of engineers, which was widely publicized. This publicity, coupled with war experiences of individuals, was undoubtedly a strong factor leading an unprecedented number of students, veterans and non-veterans, to enter engineering colleges in 1946. Freshmen in that fall numbered about 93,000 in all United States engineering colleges listed by the Federal Security Agency, Office of Education and constituted 8.6 per cent of high school graduates of the preceding June, compared to a prewar average of about 3.2 per cent. Upper classes were also large, and predictions of an oversupply of engineers became numerous.

Freshman Enrollment Declines

Such predictions have probably contributed to the steady decline of freshmen engineering enrollments since 1946, to about 64,000 in 1947, 48,000 in 1948, and 42,000 in 1949. The present freshman engineering class constitutes only 3 per cent of last June's high school graduates. In other words, it is slightly smaller than it would have been had prewar trends continued

undisturbed through the war years.

Of the 93,000 freshman engineering students of 1946, about 51,000 are now seniors in colleges accredited by the Engineers' Council for Professional Development (the official accrediting agency for engineering schools) according to statistics assembled jointly by the American Society for Engineering Education and the Office of Education. If the "survival ratio" of last year holds good this year, these institutions will graduate about 47,000 engineers in 1950. In addition, about 4,000 engineering degrees will be conferred in 1950 by colleges not accredited by ECPD. If there is a gradual return over the next 3 years to prewar "survival ratios," both groups of institutions combined will confer about 35,000 engineering degrees in 1951, about 25,000 in 1952, and about 19,000 in 1953. Prewar ratios applied to Office of Education estimates of future high school seniors indicate a steady decline in total annual engineering graduates beyond 1953 to a low point of about 15,000 in 1957, followed by a slow rise to about 21,000 in 1965.

Expansion Anticipated

A widely publicized report of the Bureau of Labor Statistics estimates an average annual need for engineering graduates of between 17,000 and 18,000 per year during the early part of the 1950-60 decade, rising to an average annual demand of about 22,000 per year by 1960. This estimate is based on the number of engineers needed for actual engineering jobs, including anticipated expansion and the needs for replacing engineers who die, retire, or leave the profession. However, a recent survey by the Engineers' Joint Council of the actual placement results in engineering colleges indicates that about 35,000 graduates of last year's class have actually been placed in jobs which utilize their engineering training, a figure almost twice as large as the estimate of the Bureau of Labor Statistics. About 3,000 entered graduate schools, and the employment status of about 7,000 is unknown.

Reports of the Manpower Committee of the American Society of

Engineering Education for the past several years have emphasized the fact that engineering is still a growing and expanding profession; that not only the total number of engineers, but also the ratio of engineers to total employment, have been steadily rising ever since employment statistics have been assembled. Many factors operate toward a continuation of this increase in the ratio of engineers to total employment. Among these are: The continually increasing need for engineering and research in industry and Government; the tendency for engineers to develop new processes and services which create needs for new kinds of engineers and technicians; and the growing tendency of employers to recruit men with engineering training for jobs which have not in the past been considered engineering jobs, but for which an engineering background is becoming more and more useful.

The small excess of engineering graduates over engineering employment in 1950 and 1951 will undoubtedly be absorbed in non-engineering work, especially administrative, application, and technical sales positions, for which engineering training has been found to be an excellent preparation.

Shortage by 1954

The indicated number of engineering graduates in 1952 will be much smaller than the number actually placed in 1949, and by 1953 engineering graduates are expected to be fewer in number than the Bureau of Labor Statistics estimates will be needed for actual engineering jobs. From 1954 to 1965 or later there will develop a serious shortage of engineers, unless the ratio of freshman engineers to high school graduates is increased.

The indicated need for more engineers can be filled, as suggested above, either by an increase in the percentage of college freshmen who enroll in engineering, or by an increase in the ratio of high-school graduates who go to college, with little or no change in the percentage of college freshmen enrolled in engineering. In view of the increasing opportunities for college graduates in all fields, and of the small percentage of well-qualified high-school graduates who now enter college, the latter seems the more promising.

Articles Published on Research Projects

The various research programs sponsored by the Metallurgy Department have resulted in a number of recent publications by the staff of that department.

Professor H. R. Hanley, '01, has just completed a review of recent advances in the metallurgy of zinc which will be published in the *Journal of Metals*. This review is very comprehensive and discusses changes in plant practices both in the United States and abroad.

For the past two years Dr. Eppelsheimer has directed the research conducted under the Ludlow-Saylor Fellowship. In the course of this work Walston Chubb, '48, devised a mechanical test to measure the workability of wire, and this test has been described in an article written by Chubb and Dr. Eppelsheimer and published in *Wire and Wire Products*. A complete description of the research completed under the Ludlow-Saylor Fellowship will be published in an early issue of the same magazine. Dr. Eppelsheimer and Dr. F. A. Hames, a former student in the Department, have published an article in a recent issue of the *Journal of Metals* entitled "Ferro Magnetic Alloys in the Systems Cu-Mn-In and Cu-Mn-Ga."

T. M. Morris, previously Instructor in Mineral Dressing and now a graduate student in this Department, has collaborated with another graduate student, P. Z. Wu, in writing "The Effect of Silicate Ion and Hydroxyl Ion on the Absorption of Potassium Ethyl Xanthate by Galena," published as a bulletin by the School of Mines and Metallurgy. Morris has also written an article entitled "Measurement of Equilibrium Forces between an Air Bubble and an Attached Solid in Water" which has been published in Volume 187 of the *Transactions of the A. I. M. E.*

Dr. A. W. Schlechten and C. H. Shih, '49, are the authors of an article, "A Better Way to Treat Parkes' Process Crusts," published in the *Engineering and Mining Journal*. Dr. Schlechten has again been asked to write the annual



Dr. E. R. Needles is shown here presenting the Upham Award to ARBA. Left to right, Dr. Needles, Prof. J. B. Butler, and Donald Fahs, president of the student chapter of ARBA.

Dr. Needles Tells Student Road Builder Chapter of Twin Pikes Being Constructed in Eastern States

The Enoch R. Needles Chapter of the American Road Builders Association recently organized on the MSM campus has attracted international attention. In the February, 1950 issue of "Roads And Road Construction" published in England, there is an article calling attention to this new organization on the MSM campus, and it presented some details concerning the new organization. It points out that the chapter was named for Enoch R. Needles '14

and that Professor J. B. Butler '22 was the faculty adviser.

Dr. Needles was a campus visitor on March 14, and presented to the newly formed chapter the Charles M. Upham award as the outstanding chapter of the ARBA for 1949.

At a joint meeting of the student chapters of ARBA and ASCE, Dr. Needles addressed the two groups on the Maine and the New Jersey Turn Pikes for which his organization is the supervising, consulting engineering firm.

review of nonferrous metallurgy which will appear in the February issue of the *Engineering and Mining Journal*. U. S. Patent No. 2482-127, An Apparatus for Refining Metals, was recently issued to A. W. Schlechten, W. J. Kroll, and L. A. Yerkes.

Dr. M. E. Straumanis, Research Professor of Metallurgy, has had a number of articles published in the last few months among which have been a series of three articles on the corrosion of aluminum and aluminum alloys in various basic solutions; these were published in

the *Journal of the Electrochemical Society*. A series of two articles on the properties of sodium tungsten bronzes was published by the American Chemical Society. An article on the x-ray determination of the soundness of crystals has been published in the *Acta Crystallographica*. A description of the methods for the precise determination of lattice constants by Dr. Straumanis appeared in the *Journal of Applied Physics*. Dr. Straumanis is also the co-author of a book on colloid chemistry published during 1949.

Four Good Home Games on 1950 MSM Football Schedule

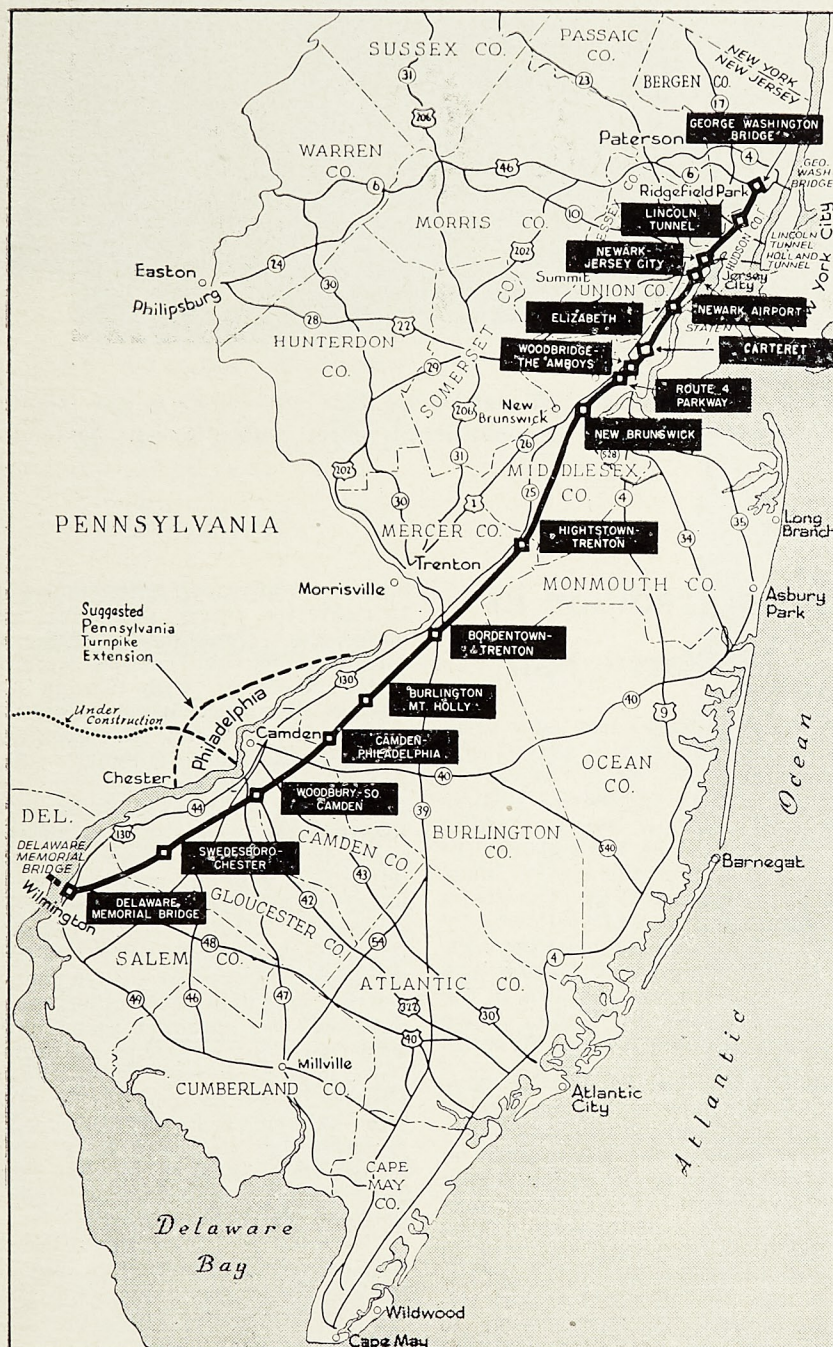
The 1950 football schedule for MSM reveals four good home games scheduled for this fall. As defending champions of the MIAA, Coach Bullman's Miners will have

a decided advantage in being able to play their three toughest opponents at home.

For spring football practice, 18 of the 33 letterman from last

year's team showed up for workouts. Seven letter winners graduated and eight have flunked out so far. Coach Bullman was aided this spring by Percy Gill, former Miner coach who has been on the coaching staff at North Carolina U. for several years. Gill is changing over to North Carolina State this coming season.

Coach Ben Douglas, who was the basketball coach and assistant football coach here at MSM the past year, is leaving to take a coaching job at Iowa University. He will be head basketball coach and will assist in football there. Coach Bullman has not as yet selected a successor to replace Douglas, who equalled the Miners' best previous mark by winning two conference basketball games.



The New Jersey Turn Pikes (See Story on Page 6)

School of Mines 1950 Grid Schedule

September 15 — Friday — Pittsburg, Kansas, Teachers—there.

September 23 — Saturday — Washington University—there.

September 30—Saturday—Murray, Ky., Teachers—Rolla.

October 7 — Saturday—Maryville—Rolla.

October 13—Friday—Warrensburg—there.

October 21—Saturday — Kirksville—Rolla.

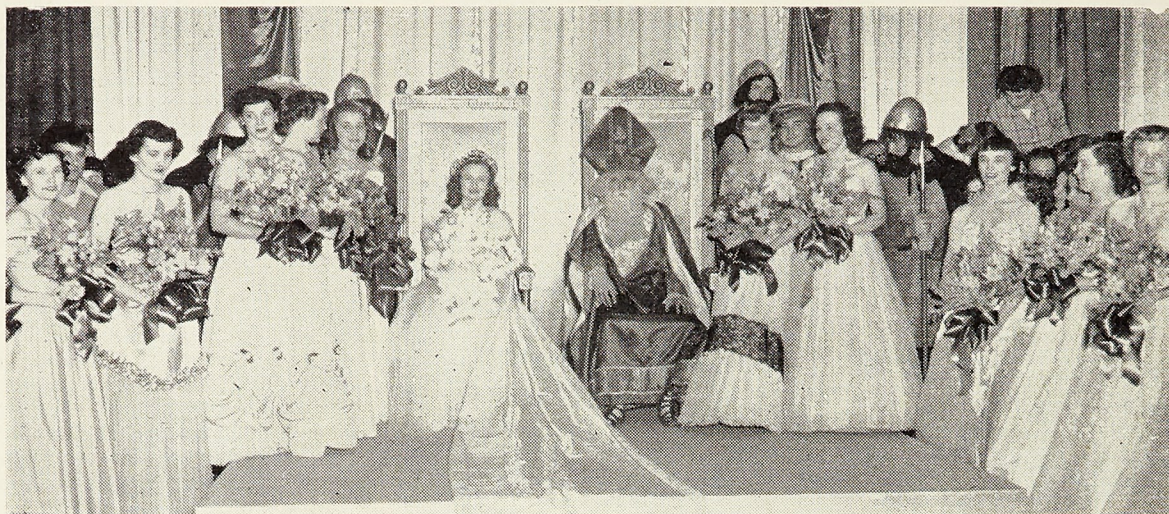
October 28—Saturday—Springfield—Rolla.

November 4 — Saturday — Cape Girardeau—there.

MSM Junior Sets New Record in Shotput

In the recent indoor MIAA track meet, Warren Roach, a junior at MSM, established a new shotput record of 46' 6½". The previous indoor record held by Geo. Bock, also of MSM, was 46' 1". Roach, in setting his indoor record, came within ½ inch of equalling the outdoor record for the MIAA. Barring accidents, Roach will be the first Miner to hold an MIAA outdoor track record since Bob Lange turned the trick in the high jump a "few" years ago. Lange, incidentally, still lives here in Rolla, a member of the Powell Lumber Company.

St. Patrick Arrives Again, March 17, 1950



COURT OF LOVE AND BEAUTY—This royal court of St. Patrick for 1950 was chosen to pay tribute to the patron saint of the engineer. Such beauty and grace as is found here is surely fitting to pay honor to such a gentleman.

St. Pat Makes Entry, Follows Tradition in Knighting Ceremony, Masque Party, Ball

St. Patrick, on his annual visit to MSM, found several situations this year that presented new problems for the Patron Saint of the Engineers on his 42nd annual visit to MSM on March 17.

St. Pat arrived in Rolla on the traditional handcar, just as he did forty-two years ago, and found the usual lusty group of Miners waiting at the Frisco depot to welcome, the main difference being that there were about eleven Miners this year to where there was one in 1908.

The Miners had been busy since Wednesday night preparing for the annual visit. The fraternities had open house on Wednesday night. Thursday was spent in preparing floats and getting ready for his arrival on Friday. Thursday evening saw more parties in the social fraternities and Friday morning the final touches were put upon the various floats for the parade, handicapped by a strong wind.

St. Pat's chariot was waiting for him at the Frisco depot on Friday

at 1:00 p. m. There was some criticism of the chariot in that it was a spanking new one from one of the local farm implement dealers and did not show the usual wear and tear of the St. Pat's chariots of past years. Nevertheless, he made his triumphal march up Pine Street and on to Parker Hall, followed by bands, floats and his cheering subjects. The Lambda Chi Alpha won first prize with the best float in the parade followed by Kappa Alpha second and Theta Kappa Phi third.

In Parker Hall St. Patrick gave his usual speech with the usual interruptions, and the usual difficulty for the guards who were forced on several occasions to expel unruly subjects. Here, St. Pat was presented with one of the main riddles of his visit, and that was how in the time allotted to him to get before him nine hundred seniors eligible for their St. Pat's shingle, to give them the proper interrogation and get through in time for the masked ball starting at 10:00 that

night. St. Pat was practical and anticipated the census procedure by using the "sampling technique," calling before him certain seniors in the audience with whom he thought he should have conversation, reciting their shortcomings and dubbing them Knight of St. Patrick.

Among other things, St. Patrick took time out to award appropriate prizes in the form of beer mugs to the Miners who had grown the best beard during the year. These prizes went to Andy Taylor, Louie Paulsell, Dite Konviser, Bill Griffin, Dick Stevens and Bill Bryant.

Friday night in Jackling Gymnasium was the annual masked ball with Lawrence Welk and his orchestra furnishing the music. Miss Marilee Drake, daughter of Dr. and Mrs. Alfred Drake of Rolla, was crowned the Queen of Love and Beauty of 1950. Dick Moeller and Joan Crane were declared champions of the costume contest.

The next day, following a tradition of long standing, the Sigma Nu Tea Dance was held in the aft-

Pictures on these two pages are through the courtesy of the Missouri Miner.



THE WINNING FLOAT

The boys from the "Little Red Playhouse" are establishing a reputation for themselves as builders of bigger and better floats. Taking their third prize in as many years, Lambda Chi Alpha has shown a special ingenuity and imagination in this highly competitive event.

ernoon and the festivities were climaxed by the formal ball Saturday night.

Robert E. Schuchardt, class of 1950, member of Pi Kappa Alpha fraternity, served as St. Pat.

Reid Made Director of National Lead Company

Joseph H. Reid '27, who for the past several years has been manager of the Titanium Division of National Lead Company, has been elected a director and member of the Company's executive committee.

Joe started with the National Lead Company in 1927 following Joe's graduation here, starting with the St. Louis Smelting and Refining Division and later transferring to the Baroid Sales Division. In 1941 he was transferred to the New York Office and in 1947, he was made chairman of the mining committee. Later he became assistant manager of the Titanium Division, and was appointed manager of the Titanium Division last year. He is a director of the Titanium Pigment Corporation.

In school Joe was a member of the Lambda Chi Alpha fraternity, the Theta Tau, a social fraternity, the Dynamiters, editor of the Miner, a member of the MSM players and was on the senior council.



THE NEW QUEEN—Miss Marilee Drake, 1950 Queen of St. Patrick, walks to her coronation on the arm of patron Saint Patrick.



Miners attending A.I.M.E. meeting in New York City, February 14

Chicago Section

One of the finest and best attended Alumni meetings in the past year was held Tuesday night, January 24, 1950, in the Walnut Room of the Midland Hotel in the Loop of Chicago. This smoker meeting was preceded by an impromptu dinner held at the Berghoff Restaurant in Chicago, which was attended by approximately twenty-five alumni.

An election of officers was held, and we are pleased to announce the following alumni as the new officers of the Chicago Section for the ensuing term, 1950-52:

Edward T. Regenhardt '30, Chairman; Horace W. Clark Ex '07, Class of '15, Vice-Chairman; Joe W. Howerton '38, Vice Chairman; W. P. Ruemmler '38, Secretary-Treasurer.

The following members were appointed to the Board of Directors: Al S. Itterman '44; Andrew R. Devereux '24; John R. Kenney '12; John R. Post '39; W. K. Schweickhardt '28.

In addition to the election of officers, final plans were made for the Chicago Section's annual St. Patrick's Party to be held at the Chicago Engineers Club, Chicago, Illinois, March 18, 1950.

After the business meeting a general bull session began, which lasted until the late hours of the evening.

We list herewith the alumni in

attendance at this splendid meeting:

H. H. Clark ex '07, Class of '15
 Andrew Devereux, '24
 Wm. Godwin, '25
 Edwin Gammeter '26
 C. L. Kitchens 'X-26
 W. K. Schweickhardt '28
 Russ Miller '29
 T. J. Dever '30
 Edward Regenhardt '30
 H. K. Hoyt '35
 Herman Pfeifer '36
 Dick Thornton '36
 C. Gayle Heslet '37
 W. P. Young '39
 H. C. Miller '39
 John Post '39
 W. F. McConnell '42
 J. Smith '42
 Robert L. Hanna '43
 Robert Schmidt '45
 Gene Russell '47
 D. G. Schmidt '48
 J. Walter Wallace '48
 Stanley Johnsen '48
 G. Gammon '49
 John Rice '49
 Martin Schuster '49
 Murray Schmidt '49
 B. M. Enfield '50

Should anyone in the Chicago area not be receiving our announcements of meetings, will you please contact Mr. W. P. Ruemmler, our new Secretary, at Eagle Picher Lead Company, 420 East

151st Street, East Chicago, Ind.

Announcements will be sent out in due time for our spring meeting.

The Chicago Section of the M. S. M. Alumni Association held a St. Pat's dinner dance at the Chicago Engineer's Club on Saturday, March 18th. The following people were in attendance:

Mr. and Mrs. E.T. Regenhardt '30
 H. H. Clark '15
 H. C. Miller '39
 Mr. and Mrs. C. E. Gutke '29
 Mr. and Mrs. W. K. Schwickhardt '28
 Mr. and Mrs. H. R. Thornton '36
 Mr. and Mrs. M. E. Nickel '38
 Mr. and Mrs. C. G. Heslet '37
 Mr. and Mrs. C.L. Kitchen ex '26
 Mr. and Mrs. J. R. Kenney '12
 Mr. and Mrs. T. W. Kresler
 Mr. and Mrs. Harold Vogt '47
 Mr. and Mrs. H. K. Hoyt '35
 Mr. and Mrs. H. G. Pfeifer '36
 Mr. and Mrs. J. E. Harrod '35
 Mr. and Mrs. W. P. Ruemmler '38
 Mr and Mrs. W. P. Young '40
 Mr. and Mrs. V. L. Bradford '48
 Mr. and Mrs. Goodhue
 Mr. Schuster and Partner '49
 Mr. Smith and Partner '42
 Mr. and Mrs. E. Gammeter '26
 R. C. Miller '29

Festivities included music by a fine three-piece orchestra consisting of accordion, bass viol and electric guitar, and the awarding of the fur-lin "P. P." to Phil Young, Chairman of the committee which arranged the dance. Needless to say, everyone had a good time.

Los Angeles Section

By **Barney Nuell, '21**

One of the best of the many successful meetings held by the honor of St. Pat on Friday evening. Thanks to the courtesy of the Eastside Brewery, all loyal Knights of St. Patrick and their Ladies, living in and around Los Angeles, enjoyed some fine "elbow-bending" at the Brewery's Play Room.

The chairman read the resignation of Eva H. Greene as Vice-President of the chapter. This resignation was accepted reluctantly, inasmuch as Eva will be out of the city for an indefinite length of time, and with sincere appreciation for the fine work she has done in reviving the local chapter and keeping it humming during the past five or six years.

The members stood in silent tribute to the memory of Prof. C. R. Forbes, who recently passed away, as announced in the last issue of the alumnus. "Prof" was very faithful in attendance of all meetings in the local chapter since he moved to California and we will miss him very much.

The chairman then introduced St. Patrick, in the person of Cy Young, who has been on of the most faithful of our faithful "old-timers" in Southern California. Cy had everyone present get on their feet and tell something of what they have been doing since leaving Rolla. It is amazing the amount of territory our graduates have covered, and the experiences they have had would fill a couple of good sized books. Everyone had

something interesting to contribute, and of particular interest were the remarks of Lydia and Dan Huffman, who recently returned from a six month stint in Honduras.

Those present were: Mr. and Mrs. Hugh Marcley '37, Mark Beard '42, Mr. and Mrs. William Coleman '49, Mr. and Mrs. Joe Cowan '46, Mr. and Mrs. Ed Elliott '39, Mr. and Mrs. Floyd Elliott '41, Mr. and Mrs. Scoville Hollister '13, Mr. and Mrs. Paul Halasey '28, Mr. and Mrs. Dan Huffman '22, Mr. and Mrs. Don Huseman '43, Mr. and Mrs. Don Jaenecke '38, Mr. and Mrs. Nat Jaffee '41, Mr. and Mrs. Ed Fris '43, Mr. and Mrs. Robert Massey, ex. '19, Mr. and Mrs. Rex Monroe '32, Mr. and Mrs. Barney Nuell '21, Mr. Ken Peterson '49, Mrs. F. B. Powell, Mr. and Mrs. Linc Sanders '44, Mr. and Mrs. Bud Self '43, Mr. and Mrs. R. K. Rasmussen '43, Mr. and Mrs. Ken Sheckler '37, Mr. and Mrs. Duncan Smith '11, Mr. Reg Whitlock '49, Mr. and Mrs. Cy Young, ex. '17.

Carl M. Krog, '48, Weds Miss Noonan at Houston

Miss Irene May Noonan, daughter of Mr. and Mrs. Raymond Malone, became the bride of Carl M. Krog, '48, at the Park Palace Lutheran Church in Houston, Texas, Friday, March 3.

Carl was a member of A.I.M.E. while in school and is now employed at the Pan American Production Company in Houston, Texas, where they will make their home.

DEATHS

Arnold J. Baker

Arnold J. Baker, '07, died December 3, 1949 in a Tulsa, Oklahoma hospital of a heart attack. He was 65 years old. He had been in the employment of Carter Oil Company in Tulsa for 25 years and was retired only last May. He had been a citizen of Tulsa for the past 24 years.

While at MSM he was a member of Sigma Nu fraternity and the football team.

James O. Letts

James O. Letts, '29, died suddenly of a heart attack Monday, Mar. 6, 1950 in Ames, Iowa. He was 45 years old. He was in Ames on a field trip for Rock Island district office of the United States Engineers. He had resided in Rock Island, Illinois since 1934 when he first became affiliated with the district engineers. Mr. Letts was a member of the Civil Engineering Society, Quo Vadis, and was a Second Lieutenant in the R.O.T.C. while attending MSM.

Joseph O. Hunt

Joseph O. Hunt, '25, passed away suddenly at his home near Crown Point, Ind., on Monday, January 23. He was 50 years old.

He was General Foreman for the Universal Atlas Cement Plant at Gary, Ind., and was formerly with that company's plant at Ilasco.

While at MSM he became a member of Lambda Chi Alpha, Theta Tau, Square and Compass, Senior Council, Pan-Hellenic Council and Rollamo Board.



Scenes from the dinner meeting of the Los Angeles Section on St. Pat's.



MSM Faculty Members and High School Students meet with St. Louis Section.

St. Louis Section

The St. Louis Section held its regular monthly meeting March 24th at the Missouri Athletic Club and it was 'MSM Night'.

We had as our guests Dean Wilson, Assistant Dean R. Z. Williams, Prof. J. B. Butler, Dr. J. D. Forrester, Dr. H. Q. Fuller, Dr. O. R. Grawe, Dr. P. G. Herold, Prof. S. H. Lloyd, Prof. I. H. Lovett, Dr. A. J. Miles, Prof. R. M. Rankin, Dr. A. W. Schlechten, Dr. W. T. Schrenk, and Noel Hubbard.

In addition to these gentlemen from Rolla we also had as our guests 16 high school seniors from the various high schools in and around St. Louis. We had a total attendance of 103 persons for dinner. Dean Wilson gave a brief talk which gave our young high school guests an excellent outline of the phases of engineering which are being taught at MSM and in addition, gave we of the alumni a brief resume of conditions at MSM.

After the Dean's talk, the meeting adjourned to an informal group to permit our young high school guests to single out the department chairmen from whom they desired to obtain more detailed information on a specific phase of engineering. This informal hour also permitted the alumni to visit with our guests from Rolla and also to visit among themselves.

By all reports every one had a

most enjoyable evening and it is felt MSM Night will become an annual affair with the St. Louis Section.

The next regularly scheduled meeting of the St. Louis Section will be on May 20th and will be a purely informal social affair, designed to give the ladies a pleasant evening out.

It is sincerely hoped that all those present at Missouri Athletic Club and many others will join us for what is always an extremely enjoyable time at the St. Louis Section's mixed meetings. Don't forget May 20th. Place to be announced later by mail.

K. O. Hanson, President
St. Louis Section.

BIRTHS

Lieutenant John C. Allen, '42, and Mrs. Allen are the parents of a daughter, Lucinda Hall Allen, born January 31, 1950. She weighed six pounds and twelve ounces. John is with the U. S. Navy, American Mission to Turkey, Naval Group, Ankara, Turkey.

Kenneth N. Wygant '44, and Mrs. Wygant have announced that they are the parents of a girl, Wendy Maureen, born December 8, 1949. Ken is now in the Personal Department of the Long Lines Department, American Telephone and Telegraph Company, New York, N. Y.

Faculty Members Active In ECPD Examinations

Members of the Faculty of MSM have been active in the ECPD examinations for accreditation of the engineering curricula in the United States. Dean Curtis L. Wilson was at the University of Minnesota on January 20 inspecting the Mining, Metallurgical and Geological curricula for accreditation there. He was at the University of Illinois on April 20 inspecting their Mining and General Engineering curricula. Early in May, he will go to the University of Arizona, the New Mexico School of Mines, and Texas Western College to inspect the Metallurgical curriculum at these three schools. Dean Wilson is Chairman of the Regional Committee for the inspection of the engineering curricula of the Western States.

Dean H. O. Croft, of the School of Engineering at Columbia, is Chairman of the Regional Committee for Minnesota, Michigan, and Illinois and Dean Croft has arranged for Dr. J. D. Forrester, Professor of Mining at MSM, to go to the Michigan College of Mines and Technology on May 5, 1950 to inspect their Mining curriculum, and he will then go to the University of Wisconsin to inspect the Mining Engineering curriculum at that school.

1878

Lee R. Grabill is living at 16 N. Y. Ave., Takoma Park, Md.

1887

Merritt W. Yeater gives his mailing address as P. O. Box 403, Sedalia, Mo. He is retired.

1892

Edward M. Johnson is retired and gives his address as Box 514, Henryetta, Okla.

1893

John C. Reid is retired and is living at 408 Main, Osawatomie, Kansas.

1897

Perry B. Anderson gives his address as 39 Orchard Lane, Kirkwood 22, Mo.

1899

Edwin T. Perkins is Plant Engineer, Eagle Picher Co., Galena, Kansas. He lives at 1723 Jackson Ave., Joplin, Mo.

1901

William H. Powell is living in St. James, Mo.

James C. Draper gives his mailing address as 1501 Topeka Blvd., Topeka, Kansas.

1902

Lawrence May gives his address as 325 East 79th St., New York 21, N. Y.

Samuel M. Greenidge is living at 1920 Ashland Ave., Fort Worth 7, Texas.

1903

Bruce Williams gives his address as 615 Islington, Joplin, Mo.

1904

Leo J. Foster is Consulting Engineer, U. S. Bureau of Reclamation, Denver Federal Center, Denver, Colo. His home address is 831 Cherry, Denver.

John T. Rice is living at 1122 State St., El Centro, Calif.

1905

Ray E. Hoffman is retired and living at 500 North Street, Hannibal, Mo.

Clifford R. Wilfrey lives at 2233 Grape Street, Denver 7, Colo.

1906

William T. Griffith gives his address as Sand Coulee, Mont. William is retired.

Thomas D. Samuel, Jr., ex '06, is living at 442 W. 68th St., Kansas City 5, Mo.

1907

Paul R. Cook gives 206 St. John's Place, Brooklyn 17, New York as

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his new mailing address.

Walter I. Phillips is living at 1254 W. 6th Street, Los Angeles, Calif.

Ira L. Wright gives his address as Box 231, Silver City, N. M.

1910

J. E. Schultz gives his address as 3617 Hanover, Dallas, Texas.

1911

True W. Blake gives his address as 1022 Ridge Road, Lewiston, N. Y.

1912

Alex Grosberg is President, Verner Freeze Inc., 3230 Gravois Blvd., St. Louis Mo. He lives at 7040 Waterman Ave., St. Louis, Mo.

M. E. Willmott can be reached at 532 Hamilton Ave., Iron Mountain, Mich.

Paul E. Coaske is living at 7641 Boeing Ave., Los Angeles 45, Calif.

1913

W. R. Knappenberger is living at 410 North Ashland Ave., South Grange, Ill.

1915

Horace H. Clark gives his address as Consulting Engineer, 7202 South Shore Drive, Chicago, Ill.

1916

John J. Doyle, ex '16, is the fifty-seventh life member of the MSM Alumni Association. John has been for many years an important figure in the Oil industry in Louisiana and Arkansas and Texas and is at the present time an independent oil operator with offices in Lake Charles, Louisiana, where he is dealing in oil and gas leases and royalties. His address is Box 844, Lake Charles, Louisiana.

Gunnard E. Johnson is living at 1020 Palmetto Street, Davenport, Fla.

Fred Grotts gives his address as 2221 Bushwood Ave., Wilmette, Ill.

Harold A. Neustaedter has just returned from a visit to several foreign countries. He was on the campus on March 4, 1950 visiting his son who is in school.

1917

Joseph C. Barton gives his address as 245 Monte Athos, Lomas de Chapultepec, Mexico, D. F., Mexico.

John J. Shipley is living at 1444 Beverwil Drive, Los Angeles 35, Calif.

1920

R. E. Velasco gives his address as 310-12-14 Buena Vista, San Antonio, Texas.

1922

Daniel E. Huffman writes that his new address is 6321 A. Seville Ave., Huntington Park, Calif.

A. L. Ackers is living at 1714 S. Evanston, Tulsa 4, Okla.

1923

Elmer F. Chapin gives his address as ESS-IND GHQ SCAP, APO 500, c-o Postmaster San Francisco, Calif.

B. Hamilton Moore, ex 23, writes that his address is Box 1441, Honolulu, T. H. 5241 Makalena St., Honolulu, T. H. is his home address.

1924

C. L. Kemper is General Representative, Compagnie Aramayo DeMines en Bolivia, 120 Broadway, New York, N. Y.

George C. Gabler has recently transferred to General Electric Co., Richland, Washington.

1926

Edward M. Lindenau gives his address as Thunderbird Ranch, Rt. 5, Box 200, Tucson, Arizona, where he is living while his daughter is attending the University of Arizona.

Dr. Daniel Kennedy has been elected President of the Rolla Chapter of the Missouri Society of Professional Engineers for the coming year.

W. Irwin Short is living at 2329 McNary Blvd., Pittsburgh 21, Pa.

1927

R. F. McCaw writes that his address is 205 Windsor Ave., Haddonfield, N. J.

1928

Karl A. Allebach lives at 1301 Chaney Ravine Ad., Los Angeles 26, Calif.

Charles A. Freeman gives his address as P. O. Box 606, Canon City, Colo.

E. C. Faulkner gives his address as 1611 Yorkshire, Birmingham, Mich.

1929

Guenther W. Frotscher is foreman at the coal mine Victoria in Westfalen, Germany. His home address is Lunen Westfalen, Heim Barbara, Germany.

John H. Hahn gives his address as TL & VA, Fort Riley, Kansas.

R. H. Parker is operating his own business at 2312 Fifth Ave., Los Angeles 16, Calif.

1930

Henry O. Scheer gives his address as 128½ N. 24, Quincy, Ill.

1931

Milburn Hassler is hydraulic engineer with the U. S. G. S., 442 Post Office Bldg., Chattanooga, Tenn.

William E. Donaldson has been promoted to Senior Project Engineer with the Rocket Design Branch, Naval Ordnance Test Station, China Lake, Calif. His new address is 50B Ringold, China Lake, Calif.

Jack N. Conley is living at 1025 Washington Blvd., Abilene, Texas.

1932

Millard H. Murray gives his address as 10 Sandset Ave., North Haven, Conn.

Ray Gast has been elected Vice-President of the Associated General Contractors of Missouri at the 24th annual convention held in St. Louis on January 11 and 12. Ray is a member of the firm of Gast and Ray Contracting Co., of Louisiana, Mo.

Arthur S. Schwarz is living at 340 Gill Avenue, Kirkwood 22, Mo.

Edward D. Hale is employed with Babcock and Wilcox Co., Barberton, Ohio. His mailing address is Reimer Road, R. D. 2, Wadsworth, Ohio.

1933

Charles R. Hubbard gives his new address as 1742 Tutwiler St., Memphis, Tenn. Charles is with Buckman Laboratories, Inc., 1256 N. McLean, Memphis 8, Tenn.

Charles R. Rosenbaum's address is HQ 803 Engr. Avn. BN., McChord Air Force Base, Washington.

Walter H. Braun gives his address as 6809 Riggs Road, Hyattsville, Md.

Virgil I. Dodson is living on Western Avenue Road, Mattoon, Ill.

Arthur R. Helmkamp writes that his address is P. O. Box 204, Colusa, Calif.

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B. J. Gross is living at 7164 Washington Ave., St. Louis 5, Mo. He is President, Key Co., East St. Louis, Ill.

1934

Millard H. Murray is Office Representative of Western Brass Mills, 125 Munson Street, New Haven 4, Conn.

Clemens R. Maise lives at 6125 Marinette Ave., St. Louis 16, Mo.

1935

William F. Cooke, Jr., is living at 2621 Sunset Blvd., Houston, Tex. William Neel is now at Santa Rosa Junior College, Santa Rosa, Calif.

John E. Harrod is now living at 7808 Phillips Ave., Chicago 49, Ill.

Collins H. McDonald gives his address as 5204 Varnum Street, Hyattsville, Md.

Joe W. Ribotto can be reached at 2854 S. 86 S. W., Magna, Utah.

Oliver W. Kamper is with Harbison-Walker Refractory, 1800 Farmers Bank Building, Pittsburgh 22, Pa. His home address is 608 Vallevista Ave., Pittsburgh 1*, Pa.

1936

Harvey L. Nicholson gives his address as Shelley, Ohio.

Elmer Kirchoff is living at 1926 Forres Avenue, St. Joseph, Mich.

1937

M. W. Taylor II lives at 204 Transit Tower, San Antonio, Texas.

Ross R. Carrolla can be reached by writing c-o International Bechtel Inc., Dhahran, Saudi Arabia.

Frank C. Appleyard is Quarry Superintendent at the U. S. Gypsum Co., in Alabaster, Mich., writes "I think congratulations are in order to you and the other officers for the big steps forward our Association has taken these past few years—including the improved 'MSM Alumnus'."

1938

Shiou-Chuan Sun is with Dept. of Mineral Engineering, Penn State College, State College, Pa.

Fred Morrison is employed with Socony-Vacuum Oil Co., East St. Louis, Ill. Fred lives at 6173 Westminster Place, St. Louis, 12, Mo.

C. V. Cameron gives his address as 620 E. 6th Street, Centralia, Ill. He is with Shell Oil Co., Centralia, Ill.

Melvin E. Nickel has just moved into a new home. He gives his new address as 10601 S. Leavitt Ave., Chicago 43, Ill.

James D. F. Evans can be reached by writing 309 S. 11th Street, Bessemer, Ala.

Belding H. McCurdy is now Development Engineer for Hancock Manufacturing Company. He writes, "This includes research and testing and is the type of work I like, prepared for at Rolla and did for the Army during a large part of the war." Belding's home address is 909 South West Avenue, Jackson, Michigan.

Hueston M. Smith is Industrial Engineer, Union Electric Company of Missouri, 315 North Twelfth Blvd., St. Louis, Mo.

1939

Richard F. Donaldson is living at 16 Tyndal Dr., Berkeley 2, Mo.

Phil Blazonic, Jr., gives his address as Natural Bridge, N. Y.

A. E. Rhodes can be reached by writing 305 George Washington Way, Richland, Washington.

T. L. Harsell, Jr., gives his address as 718 Strand, Hermosa Beach, Calif.

Robert P. Dieffenbach writes that his address is 24629 Detroit Rd., Westlake, Ohio.

James F. Rushing gives his address as Research & Development Engineer, Granite City Steel Co., Granite City, Ill.

1940

Herbert O. Kimmel writes that his mailing address is Creole Pet. Corp., Apartado No. 1329, Caracas, Venezuela, S. A.

Ralph E. Kelly lives at 69 Ely Ave., West Springfield, Mass.

A. R. Herzog can be reached at 2320 Cleveland St., Granite City, Ill.

L. E. Lambelet has been elected Secretary-Treasurer of the Rolla Chapter of the Missouri Society of Professional Engineers for the coming year.

R. K. Carpender, who is with the American Zinc Company, was on the campus February 16. Robert gives his mailing address as Rt. 1, Kimmswick, Mo.

R. W. Burnett gives his address as 1138 Moorlands Drive, Richmond Heights, Missouri.

Walter J. Carr is with Westinghouse Research Laboratory, East Pittsburg, Pa. Walter lives at 5801 Aylesboro, Pittsburg 17, Pa.

Edward L. Rueff is now living at 109 Handla Court, Kirkwood 22, Mo.

1941

Harold J. Schroeder is employed with Baroid Sales Division of National Lead Company. He gives his home address as 1017 N. Main Street, Malvern, Ark.

Charlotte Hall gives her address as 444 S. Kingsley Drive, Los Angeles, Calif.

J. L. Lessman has recently written us that his new address is 33 South Munn Ave., Apt. 2B, East Orange, N. J.

G. Robert Couch is with National Lead Co., South Amboy, N. J. He lives at 32 Highland Ave., Metuchen, N. J.

Herman F. Bottcher writes that his address is 75 Fairview Ave., North Plainfield, N. J.

Allen J. Summers is employed with McDonnell Aircraft Corp., St. Louis, Mo. Allen lives at 3422 Eastridge Lane, St. Louis 14, Mo.

Earl L. Smoot writes that his new address is 100 Martinsburg Road, Mt. Vernon, Ohio.

1942

Dell C. Wade writes that his business address is c-o Stanolind Oil and Gas Co., P. O. Box 316, Woodsboro, Texas. Dell lives in Refugio, Texas.

George R. Leland can be reached by writing Apartado, Aereo 817 Medellin, Colombia.

Otis H. Taylor, who resides at 6135 S. 13th Street, Herrin, Ill., has recently taken a job as sales engineer with Goodyear Tire and Rubber Co. For the past several years he has been with Eell and Zoller Coal Mining Co.

A. F. Guernsey gives his new address as Box 1509, Prod. Dept., Midland, Texas.

Paul C. Nelson writes that he has recently moved to 118 Penn, Vista Dr., Pittsburgh, Pa. Paul is with Westinghouse, T&G Division, East Pittsburgh, Pa.

Irwin L. Cherrick writes that his mailing address is 1336 Missouri Ave., N. W., Apt. 410, Washington, D. C.

Major Vernon T. Loesing can be reached by writing Hq Philcom, APO 207, c-o Postmaster, San Fran-

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cisco, Calif.

H. A. Krueger is living at 400 Washington, Baxter Springs, Kansas.

1943

Bruce R. Landis is studying law in Kansas City while working with Stratford Engineering Corp. Bruce gives his mailing address as 1401 South Liberty, Independence, Mo.

William Wilson, Jr. is a research metallurgist with the Armour Research Foundation of Illinois Institute of Technology. He may be addressed at the above organization, Technology Center, Chicago, Ill. William recently wrote to us about some young engineers for the Foundation. He has earned and received a Ph. D. from Ill. Tech.

Glendon D. Jett writes that his business address is Century Geophysical Corp., P. O. Box 363, Waco, Texas.

J. G. Hendersen was a recent campus visitor. His home address is 2510 N. Rampart Street, New Orleans, La.

W. M. Dressel has taken employment with the U. S. Bureau of Mines in Rolla and is living at 17 Rolla Gardens, Rolla, Mo.

Robert P. McMath is now in the regular Army after completing one year of Competitive Tour at Ft. Lewis, Washington. His mailing address is Lt. Robert P. McMath 060603, 802nd Engr. Avn. Bn., A. P. O. 239-1 c/o Postmaster, San Francisco, Calif.

1944

Robert S. Westwater gives his address as 18 Merrick St., Rumford 16, R. I.

William A. Hubbard's correct address is 233-15 131st Street, Lawrelton, L. I. New York.

Mrs. Robert Arras (Jean McCaw Lloyd) with her husband is living in Caracas, Venezuela, where he is employed by the General Motors Interamerica Corp. Her address is Sucursal Caracas, Apartado 666, Caracas, Venezuela. They have two children, Robin and Ann Christie. Jean writes that she would be happy to see anyone from MSM living in that vicinity.

Glenn L. Staley, Jr., writes that his address is 4434 S. 37th Street, St. Louis, Mo.

Edward M. Schultz gives his mailing address as Rt. 10, Box 476, Ferguson 21, Mo.

1945

Jose G. McClinton is living at 1008 Vermont Ave., Pittsburg 28, Pa.

Richard A. Walker is employed with the Beardsley & Piper Co. as Sales and Service Manager. His home address is 328 S. Lombard, Oak Park, Ill.

Glenn E. Dean can be reached by writing 1933 S. Harding Ave., Chicago 23, Ill. He is employed as a Metallurgist with Lindberg Steel-Treating Co., 200 N. Laflin, Chicago 7, Ill.

William L. Break is now with Pan American Southern Co. of Eldorado, Ark. This company was formerly the Root Refinery. William lives at 427 East Faulkner, El Dorado, Ark.

1946

Wilbert F. Stoecker can be reached at 426 Swan Street, Dunkirk, New York.

Howard M. Fowler gives his new business address as Associate Mining Engineer, Territorial Dept. of Mines, Juneau, Alaska. Howard's mailing address is Box 517, Juneau, Alaska.

Kay K. Ikeuye writes that his address is 5483 South Ellis, Chicago 15, Ill.

1947

William B. Distler is employed with Phelps Dodge Corp., Morenci, Ariz. His mailing address is Rt. 1, Box 794, Morenci, Ariz.

Arthur H. Fuldner, Jr. is with General Electric. Arthur is living at 119 West Baltimore Avenue, Lansdowne, Pennsylvania.

Eugene Lavat was recently employed in the engineering section of Libby, McNeil & Libby at their Chicago plant. He lives at 259 Home Ave., Oak Park, Ill.

Wm. C. Wunnicke is with Stanolin Oil and Gas Co., Brownfield, Texas. He gives his mailing address as Box 18, Brownfield, Texas.

Samuel H. Lloyd, III gives his home address as 1243 Overhill Drive, Houston 18, Texas.

Alanson Dale Topping is now an Instructor, University of Illinois, Urbana, Ill.

1948

Eugene Moniak is living at 1907 Bay Ridge Parkway, Brooklyn, New York.

Joseph Ware Fitzpatrick is with Public Health Service, Reg. 3, Washington, D. C. He lives at 5513 Parkland St., S. E., Apt. 203, Washington, 19 D. C.

Irving C. Falk has returned to Rolla and enrolled in the graduate division working towards a Master's Degree in Mining Engineering. He is living at 102 East 12th Street, Rolla, Mo.

Fred H. Canning Jr. is living at 4030 Chouteau Ave., St. Louis, Mo.

Wilbert F. Stoecker gives his home address as 462 Swan Street, Dunkirk, New York. Will is with Locomotive Development Committee, American Locomotive Co., Dunkirk, New York.

Willard Schaeffer III was a campus visitor during St. Pats. Willard is now in Snyder, Texas.

Lester E. Fields, who is with American Zinc Co., visited the campus on February 16. He gives his address as 4822 Greer, St. Louis, Mo.

Elliott F. and Mary Helen Dressner have recently written that their new address is City Route No. 12, Orchard Mesa, Grand Junction, Colo. At present Elliott is employed by U. S. Atomic Energy Commission, Grand Junction, Colo. as a Geologist.

Lem Gager is living at 105 North Venuay, Casper, Wyoming.

Ralph E. McKelvey is living at 2877 6th Street N. W., Canton, Ohio.

A. B. Watts is with the U. S. Engineers, St. Louis, Mo. He is living at 1107 North 18th Street, East St. Louis, Ill.

Robert C. Kreutzer writes that his address is 6504 Weber Road, Affton 23, Mo.

Harry G. Grigsby is employed with Idarado Mining Co., Ouray, Colo.

C. W. Sphar gives his new address as 536 South Giranada, El Monte, Calif.

Dale Keith Russell writes that his address is U. S. Gypsum Co., Genoa, Ohio.

Winston F. Bott writes that his new address is P. O. Box 486, Seminole, Texas.

1949

Audie V. Cardin's address is Rt.

Alumni Personals

8, Box 284, Tulsa, Oklahoma.

John T. Moran was recently employed by Consolidated Coal Company at their Macoupin County, Illinois property. He is living at 408 First South Street, Carlinville, Ill.

Fred M. Springer writes, "I am still an engineer trainee for the Magnolia Pipe Line Company, but am now in a pipe liner gang at Seminole, where I was in a machinist gang when I was stationed at Sundown." Fred's mailing address is P. O. Box 812, Seminole, Texas.

George M. Anderson lives at 802 Court Street, Fulton, Missouri. George is with Harbison-Walker Refractories Company.

Herbert S. Stein is working in the laboratories of the Los Angeles County Road Department, 1636 Eastlake, Los Angeles, California. His home address is 1319 South Hoover, Los Angeles, California.

A. D. Fentzke has recently accepted a position on the concrete research staff of the Hydro-Electric Power Commission of Ontario, at 620 University Avenue, Toronto 2, Ontario, Canada.

Reginald R. Whitlock is working for the Baroid Sales Division of National Lead Company, P. O. Box 2558 Terminal Annex, Los Angeles 4, California. His home address is 3912 Rosemont Avenue, Montrose, California.

William G. Coleman is employed by American Pipe and Construction Company, 4635 Firestone Boulevard, Southgate, California. His home address is 9409 Bowman, Southgate, Calif.

Raymond L. Martin is living in Detroit. His home address is 18064 Birchcrest Drive, Detroit 21, Mich.

Robert M. Miller is employed in Bolivia, S. A. He may be addressed as Ing. R. M. Miller, C. A. M. B., Casilla 674, La Paz, Bolivia, S. A.

Roland H. McClelland is with the Globe Union Company at Milwaukee, Wis.

George P. Messner is employed as Junior Electrical Engineer

with Richardson Allen Corporation, 15 West 20th Street, New York, New York.

Keith E. Short has written that he has recently changed his place of residence and that his new address is 519 South 18th Street, Springfield, Ill.

Stuart E. LeBrell is living at 7959 Monroe, St. Louis 14, Mo. He is with Tool Engineering Service.

Joseph D. Crites gives his address as Bethlehem Chile Iron Mines Co., Casilla 19D, La Serna, Chile.

Carl J. Danzer can be reached by writing 6027 Eitman Ave., St. Louis, Mo.

Henry J. Hellrich is with Granite City Steel Co. He gives his home address as 3912 Nameoki Rd., P. O. Box 642, Nameoki, Ill.

Bettijeanne M. Birch can be reached by writing 310 E. 3rd St., Sterling, Ill.

Paul K. Edwards writes that his address is 2231 N. 61st Street, Wauwatosa, Wis.

Ralph E. Schowalter is now living at 805 E. 6th Street, Rolla, Mo.

Leonard L. Schuler, Jr. gives his business address as Hunter Hayes Co., 401 W. 2nd Street, Austin, Texas.

Don Haskell's new address is Livengood Placers, Inc., Livengood, Alaska. Don writes, "This is a division of the Callahan Zinc-Lead Co., and is a placer Gold outfit with a 10,000 yard dredge. We are now working on a water supply tunnel and will start thawing operations next month."

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John Abbott is living at 446 N. Topping Ave., Kansas City 1, Mo.

Robert W. Jones can be reached at 212 West Park Ave., Brookfield, Mo.

Karlheinf Eissinger gives his new address as 219 S. Ninth St., Independence, Kans.

Sheldon Arenberg is living at 2920 West Palmer Street, Chicago, Ill.

Bert May is living at 4333 Neosho, St. Louis 16, Mo.

Arthur Lee Schmidt is living at 461 Oak St., Webster Groves, Mo.

Elbert H. Coleman, Jr. is employed by the Topographical Branch of the U. S. G. S. in Rolla. His home address is 106 South Walker, Rolla, Missouri.