



## Missouri S&T Magazine, March 15, 1928

Miner Alumni Association

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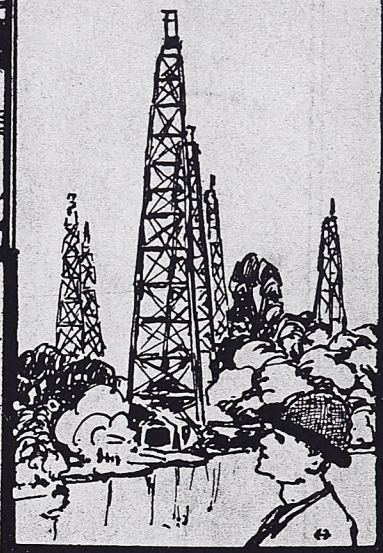
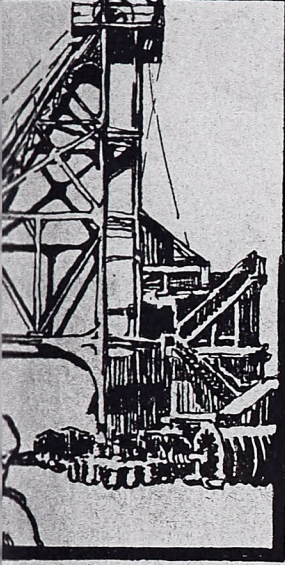
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# MSM ALUMNUS



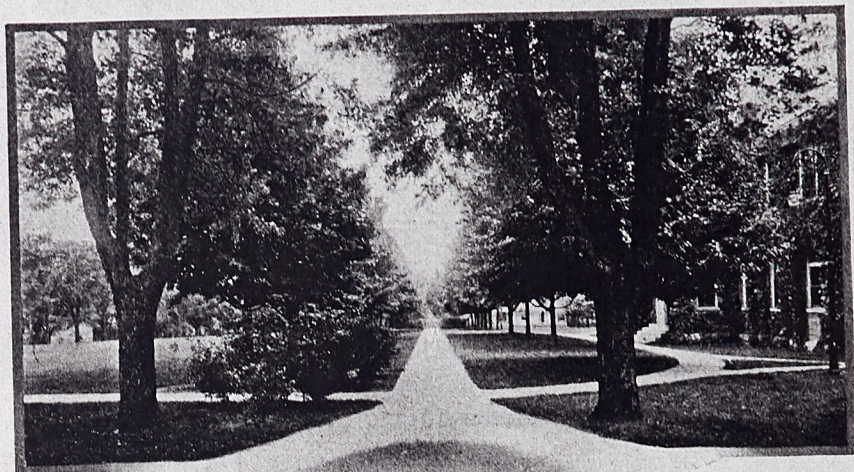
HAROLD GRANT  
NEW ATHLETIC DIRECTOR MSM

Volume Two      March 15, 1928      Number Three

# School of Mines and Metallurgy

*University of Missouri*

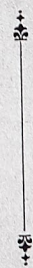
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**School of Mines and Metallurgy**  
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# M S M A L U M N U S

ALUMNI ASSOCIATION, SCHOOL OF MINES AND METALLURGY, ROLLA, MISSOURI

Two

MARCH 15, 1928

Number Three

## The University and Reorganized State Government

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Every alumnus of M.S.M. who has access to "The Missouri Alumnus" is urged to read the article on the first page of the December issue, in which Dr. Stratton D. Brooks, President of the University of Missouri, discusses the place of the university in the type of reorganization of state government known as consolidation. Dr. Brooks objects strenuously to any proposed reorganization that will in any way interfere with the administration of the University of Missouri by the Board of Curators, and in this, the administration of the School of Mines and Metallurgy, which is an integral part of the University, is in absolute agreement with Dr. Brooks. Dr. Brooks objects specifically to a politically-controlled central purchasing agent at Jefferson City, supervising the buying of supplies and the letting of profitable contracts for the University. He also objects to any law that would result in the transfer of financial control of the University from the Board of Curators to politically-controlled appointees in Jefferson City, thus making the Board of Curators a mere figurehead.

The next session of the Missouri legislature will be a critical one for the University, and this includes the School of Mines. Both simply must have more adequate support if they are to continue serving the state in the effective manner in which they have been doing. The condition of the University will reflect directly upon the condition of the state. The research programs alone of the University have resulted in improvements that bring to the people of the state many times what the University costs them. Take the work the School of Mines has done, in its cooperation with the United States Bureau of Mines, in the Joplin district. Writers in the Engineering and Mining Journal have estimated that it has resulted in savings totaling around five million dollars annually. A similar program is under way in the lead belt of Missouri with equally promising results in sight. Yet, through lack of funds in the treasury, Governor Baker was forced to cut the school's research funds by half after the last session of the legislature. The School of Mines costs now for all purposes around \$400,000 annually to operate. The work of the College of Agriculture alone of the University at Columbia must result in improved methods that return to the citizens of the state many times what the entire cost of the University amounts to each year.

Following a study made by the Associated Industries of Missouri recently they issued their State Economy Bulletin No. 1, in which they make the statement that "It is apparent that education in Missouri is not receiving proper support." They submit figures from authentic sources to prove that Missouri is far behind her surrounding states in the amount spent for education.

Alumni of the School of Mines are urged to keep in mind the needs of their Alma Mater during the next session of the legislature, and join in seeing that the school receives the support to which it is entitled.

## Coaches Dennie and McCollum Resign

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HAROLD GRANT  
NEW ATHLETIC DIRECTOR, M.S.M.

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Frank E. Dennie, director of athletics at M.S.M., and S. C. McCollum, have both submitted their resignations to the Board of Curators of the University to take effect at the close of the present school year.

Prof. Dennie is resigning from athletics only. He will retain his place on the faculty, transferring to some other department. "Spike" was first appointed as coach at M.S.M. in 1909 and save for an intermission between 1912 and 1914, when he was coach at St. Louis University, he has been the directing head of M.S.M. athletics.

Coach McCollum came to the school in September, 1922, after his graduation from Pennsylvania State College, where he was an all-American end for the Penn State team in 1921.

The Board of Curators at their meeting in St. Louis on February 25 appointed Harold Grant, now athletic coach at the College of Emporia, Emporia, Kansas, to the position of director of athletics at M.S.M. Grant graduated from the College of Emporia in 1922, having served for four years in athletics under the coaching of Gwinn Henry, Missouri University's football mentor since 1923. Under Henry's guidance Grant won an unanimous place on the conference all-star gridiron selections for three years. The fourth year an injured knee slowed him up and prevented him from consideration. He was also an all-conference selection for three years in basketball. His greatest deed in track was stepping the 100-yard dash in 9 4-5 seconds against Washburn in 1920, to hang up a new state record. In recommending Grant for the place at the School of Mines Henry pronounced him the greatest athlete he had ever handled, both in football and in track.

Following his graduation at the College of Emporia Grant took up work at the Oklahoma Baptist University at Shawnee as coach in basketball and track. When Henry left Emporia in 1923 to go to the University of Missouri, Grant was appointed to his place at Emporia. In his five years at the Kansas college Grant's team played 39 games and won all but five, hanging up a truly remarkable record.

Grant has attended coaching schools conducted by "Pop" Warner at Stanford University in 1924 and at Wisconsin in 1925. He will take up his work at the School of Mines during the coming fall. The Miner alumni will all wish Grant well in his new field.

## MSM ALUMNUS

Issued quarterly, in the interest of the graduates and former students of the School of Mines and Metallurgy. Subscription price 50 cents, included in Alumni dues.

Entered as second-class matter October 7, 1926, at Post Office at Rolla, Missouri, under the Act of March 3, 1879.

## Officers of the Association

|                     |                 |
|---------------------|-----------------|
| J. K. Walsh.....    | President       |
| A. W. Gleason.....  | Vice-President  |
| C. Y. Clayton.....  | Treasurer       |
| K. K. Kershner..... | Secretary       |
| Noel Hubbard.....   | Alumni Recorder |

## Editors

C. Y. Clayton

Noel Hubbard

## Jackling Loan Fund

The Jackling loan fund is now exhausted, and with applications ahead awaiting incoming funds to take care of their loans. Those having outstanding loans are earnestly urged to make repayment just as promptly as possible. The next two months are critical times for seniors, with senior trips, graduation expenses, and such like. If your Jackling loan is due, please make a thorough canvass of your financial situation and see if you cannot repay part or all of it at once. Remember the Jackling fund was a boon to you before you got onto the pay-roll. It will be just as much of a boon to the other fellow.

## Alumni Dues

There are still a large number of alumni who have not made their contribution toward the expenses of the Association this year. The Association is being hard pressed to meet the expenses of the organization and unless more dues are forthcoming the organization will be compelled to run behind in its financial affairs for this season or curtail its activities. Alumni who have not yet made their contribution are urged to do so at once so that the alumni officials may know exactly where they stand. The quotation below appears in a recent issue of the McGraw-Hill "Book Notes":

"A fifth handicap is the fact that as a rule graduates of an educational institution feel absolutely no indebtedness toward their Alma Mater. In the majority of cases they do not realize that anything out of the ordinary has been done for them, and therefore do not feel compelled to take any further interest in the welfare of the institution, either financially or morally. **An educational institution without an organized alumni body is like a child without a parent—if it is inherently strong it succeeds, but it has no interested help in time of need.**"

The above applies only too well to M.S.M. The next year or so is to be a critical time for the school with the enrollment growing at an unprecedented rate and the school's financial support from the State of Missouri declining. Alumni of the School of Mines are again urged to show their appreciation.

## Senior Trips

The senior trips will start this year on May 3 when the senior civils will leave Rolla, via bus, for Jefferson City, Missouri, where they will visit the Highway Commission and inspect the Highway Testing Lab, leaving the same day for Keokuk, Iowa. They will inspect the Keokuk Hydro-electric plant early on the morning of May 4 and leave before night for Chicago where their headquarters will be the Y.M.C.A. Hotel, 830 South Wabash Avenue. They will remain in Chicago until May 14, visiting various places of interest to engineering students. They will leave Chicago on the 15th for Milwaukee to visit industrial plants in that city. On the 16th they will leave for St. Louis and on the

17th visit the water treatment plant at Chain of Rocks. The new plant on the Missouri River in St. Louis. The Miners, with Prof. Forbes, will leave May 6 and spend the week of the 6th in Bonne Terre, Flat Top Iron Mountain. They are thinking of going on to Rosiclare, Illinois, to visit the fluorspar district, some of the large coal mines on the way back. They ever, has not been definitely decided upon.

The senior chemists have already made their trip attended the Petroleum Institute in Tulsa last fall.

The Geologists, accompanied by Dr. G. A. Muilenburg, Prof. L. W. Currier, will go with the Miners to Flat Top and Iron Mountain. They will leave the latter part of the week for Rosiclare, Illinois, to visit the fluorspar district and then return to Rolla. They will leave for Rolla on the 14th, and be there May 15, 16, and 17.

The senior metallurgists will leave May 6 for Chicago where they will maintain headquarters at the Hotel Belmont. They will be there about ten days. Side trips will be made to Milwaukee and Kenosha, Wisconsin, and Gary and Hammond, Indiana. They will be accompanied by either Clayton or Prof. Hanley.

The Electricals will leave on May 6 for St. Louis where they have not yet worked out the details of their trip.

The Chicago Section of the Alumni Association is planning a banquet for the visiting seniors on May 9th. Additional details regarding this will be furnished the Chicago alumni later.

## Eastern Section Alumni Association Meeting

Thirty-one alumni of the Eastern States gathered in the Palm Room of the Hotel Belmont in New York City on the night of February 21. An organization was completed with E. R. Needles as chairman and E. S. Tompkins as secretary. Dr. Charles H. Fulton, Director of the School of Mines, spoke on the need of additional loan funds for the school. Director Fulton pointed out that, with the exceptional growth of the enrollment the Jackling Fund has been exhausted, and he was now being compelled to away deserving applicants for loans. He urged the alumni to consider the matter of an alumni loan fund, and pointed to the splendid work in helping worthy students that has been done with the Jackling Fund. He stated that no many of those who were in attendance at the meeting had not have been there had it not been for help obtained from the Jackling Fund, and several alumni were prompted to with this statement as applying in their particular cases.

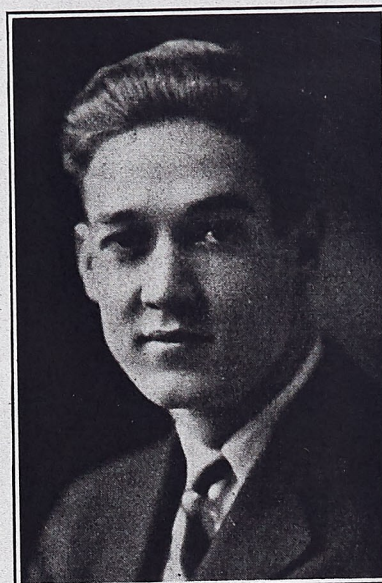
The Section plans on having several meetings throughout the year, one of which will be a summer meeting which will be in charge of J. J. Boucher.

The following is a list of men who were present:

- C. H. Fulton—Director, Missouri School of Mines, Rolla, Mo.
- A. H. Kuechler, '25—United Gas Company, Philadelphia, Pa.
- Elmer Gammeter, '26—Midvale Steel Company, Philadelphia, Pa.
- F. B. Foley—Midvale Steel Company, Philadelphia, Pa.
- E. S. Wheeler, '22—American Smelting & Refining Company, Mauer, N. J.
- F. L. Tyrrell, '92—American Zinc & Chemical Co., Lehigh, Pa.
- G. F. Metz, '14—Hardinge Company, York, Pa.
- K. V. B. Rossman, ex '17—Federated Metals Company, Trenton, N. J.
- L. J. Boucher, '14—Atlas Portland Cement Co., Northampton, Pa.
- A. X. Illinski, '10—United States Custom House, New York City.
- George Easley, '09—Consulting Engineer, New York City.
- W. M. Weigel, '00—Missouri-Pacific Railroad, St. Louis, Mo.
- H. R. Hanley, '01—Associate Professor of Metallurgy, Rolla, Mo.
- Dutro Cale, ex '02—Certain-teed Products Co., New York City.



MISS LUCY KIESLER  
Queen of St. Patrick, 1928



BURTON L. BALLARD  
St. Patrick

### St. Patrick Queens Marry MSM Boys

If you are a Queen of St. Patrick's at M.S.M., the chances are 57 out of a hundred that you will marry a "Hard Rock Miner." The alumni records show that of the fifteen queens of St. Patrick who have reigned since the queen became a part of the celebration, eight have married School of Mines boys.

Miss Helen Baysinger, the first queen of St. Patrick, who reigned in 1915, married Fred Schneeberger of Webster Groves, Mo., who graduated from the school in 1925. The second queen, then Miss Mary McCrae, is now Mrs. H.G.S. Anderson of Rolla. Anderson graduated in '09. The 1917 queen was Miss Olive Scott, who is now the wife of J. M. Morris, Assistant Industrial Commissioner of the St. Louis and Southwestern Railway in St. Louis, and who graduated in 1919.

The Miners did not have a fair chance with the 1918 queen, inasmuch as she was already married, being the wife of Frederick D. Gardner, then Governor of Missouri. The chances were also against the Miners with the 1919 queen, as she was a non-resident of Rolla, being Miss Edna Kiel, daughter of the then mayor of St. Louis. The 1920 queen, Miss Nancy Love of Rolla, is still single. The 1921 queen was Miss Hazel Dent of Rolla. She is now married to W. B. Crutcher, city engineer at Fort Pierce, Florida, and who graduated from the school in 1924.

The 1922 queen was Miss Margaret Sally, now wife of A. V. Eulich, of the class of 1920. They are making their home in Kansas City.

The 1923 queen had already married a Miner before she was elected queen. She was Mrs. Helen Stover, wife of E. Stover, then a junior in the school and himself St. Patrick that year. They are now living at Miami, Oklahoma, where Stover is mining engineer with the Golden Rod Mining Co. The 1924 queen, Miss Eva Underwood, married W. S. Wright, of the class of 1924, now engineer with the Illinois Highway Department at Peoria, Illinois. The 1925 queen, Miss Helen Underwood, the 1926 queen, Miss Dorothy Kiesler, and the 1928 queen, Miss Lucy Kiesler, sister of the 1926 queen, are still single. The 1927 queen, Miss Lorraine Love, sister of the 1920 queen, was married soon after the St. Patrick celebration last year to J. H. Brickner, one of the juniors.

The four single queens still living in Rolla are always very much present at the social affairs of the students and still maintain the popularity among the students that carried them to the coveted honor of St. Patrick's queen. More than

(Continued on Page 12)

### Kow Tow, Everybody! St. Patrick

St. Patrick the patron saint of all engineers, made his annual pilgrimage to Rolla on March 16 and 17 to visit his subjects at M.S.M. St. Patrick and his party were picked up at some point along the Frisco Railroad by the Quo Vadis Kids, under the direction of Sam Hodgdon, Jr., and brought into town on the proverbial handcar. The Quo Vadis Kids had some considerable difficulty in furnishing sufficient motive power to bring St. Patrick into town. A snow had started falling on the morning of the 15th and by the time the St. Pat's Special started down the track perhaps a foot of snow had fallen. The snow very seriously curtailed the St. Patrick parade. There were but a few who braved the elements to produce their floats.

The knighting ceremony was held in the auditorium of Parker Hall, where the crowd kow-towed, and there was the usual line of jokes—some good, some bad, and some indifferent.

At the masked ball there were between seven and eight hundred present, according to the admission records, one of the largest attendances in a long time, if not the largest in the history of the school. The music was furnished by Irving Rothschild's Club Avalon Orchestra from St. Louis. The intermissions were entirely too long for the spirit of the occasion and the dance dragged a good deal. At 11 o'clock, according to the usual custom of the time, St. Patrick appeared and crowned his queen. Burton L. Ballard, a junior in mining, played the part of St. Patrick. The queen was Miss Lucy Kiesler, assistant librarian at the school and sister of Miss Dorothy Kiesler, who reigned as St. Patrick's queen in 1926. Misses Madge Lenox and Betty Harlan were maids of Honor.

The Junior Prom on Saturday night was a complete success. Through the good offices of Col. Charles L. Woods, the orchestra was induced to limit their intermissions to around ten minutes and there was much more of an opportunity to dance than there was at the masked ball the night before.

There was the usual bunch of "dates" from back home that always make the St. Patrick celebration one bright spot in the lives of the M.S.M. boys.

St. Patrick's dances were held on Thursday night at the Bonanza House, Mercier Club, Triangle House, Pi Kappa Alpha House, Kappa Sigma House, Sigma Nu House and the Prospectors' Club. Five orchestras were in town to furnish the music. The Kappa Alpha House entertained with a dance on Saturday afternoon.

In addition to the senior class listed elsewhere in the

(Continued on Page 12)

## Eastern Section Alumni Association Meets

(Continued from Page 4)

W. H. McCartney, '16—1100 City Bank Bldg., Shreveport, La.

E. R. Needles, '14—Harrington, Howard & Ash, 55 Liberty Street, New York City.

E. S. Tompkins, ex '16—Consulting Engineer, New York City.

F. V. Moore, '20—Gardner-Denver Company, New York City.

Joseph Wilson, '21—International Gas Co., New York City.

H. K. Peterson, '10—Insurance, New Rochelle, N. Y.

Boyd Dudley, '08—618 North Clinton Street, Syracuse N. Y.

Mervin Kelly, '14—American Telephone & Telegraph Co., New York City.

H. G. Halsey, '14—5823 Woodlawn Avenue, Chicago, Ill.

Allen Potts, '20—Simonds Steels Co., Lockport, N. Y.

H. S. Pence, '23—Certain-teed Products Co., Trenton, N.J.

C. F. Schaeffer, ex '24—The Koppers Company, New York City.

G. A. Zeller, '23—U. S. Army, Dover, N. J.

Paul Pape, '17—Engineer, New York City.

H. J. Teas, '17—Civil Engineer, Malverne, Long Island, N. Y.

C. Y. Clayton, '13—Professor of Metallurgy, Rolla, Mo.

Other Rolla men who were in New York at this time who were unable to attend the banquet were:

H. A. Grine, '04

J. A. Garcia, '00

Reginald Dean, '15

H. A. Buehler, '25

A. H. Fay, '02

O. W. Greeman, '28

J. L. Gregg, '23

H. T. Mann, '08

Eugene McAuliffe, '27

D. F. Updike, '22

## Prof. Butler Visits Southwestern Schools

Prof. Joe B. Butler, Associate Professor of Civil Engineering, has recently returned from a trip through the Southwest where he visited several of the engineering schools, and also attended the third annual Southwest Road Show and School held in Wichita, Kansas, February 22 and 23.

While in Tulsa Prof. Butler visited with R. E. Kollar, recently returned from Roumania and who is now with the Phillips Petroleum Corporation, J. N. McGill, with the Silurian Oil Company, V. H. Hughes, consulting geologist, F. H. Hollow and R. E. Hilpert, with the Silurian Oil Company, and M. M. Valerius, petroleum and mining geologist, all School of Mines men.

From February 18 to 20 Prof. Butler was in Stillwater, Okla., where he visited the engineering professors at the Oklahoma Agricultural and Mechanical College, discussing hydraulics and other engineering problems.

On the 21st Prof. Butler was at the University of Oklahoma. He went from there to the Road Show at Wichita, Kansas. While in Wichita he met Roscoe C. Ham, '09 and R. B. Wills, '20.

From Wichita Prof. Butler went to Manhattan to visit the instructors in the engineering departments of the Kansas State Agricultural College, and from there to Lawrence, Kansas, where he was the guest of Prof. F. M. Dawson, professor of hydraulics and co-author of the hydraulics text used at the School of Mines.

On February 25 Prof. Butler, as the guest of Professors Dawson and Russell of the University of Kansas, attended luncheon in the Baltimore Hotel in Kansas City, given by the Traffic Association and Chamber of Commerce to Sir Henry Thornton, general manager of the Canadian National Railway System.

## Freshman Week Next Year

Following out some of the suggestions growing out of the studies of the Faculty Committee cooperating with the Society for the Promotion of Engineering Education, the School of Mines will have "Freshman Week" at the beginning of school next year. The freshmen will register on

September 5, while the sophomores and upper classmen register on September 10 and 11. The period between September 5 and 10 will be devoted to getting the freshmen started off in the right manner.

The actual registration of the freshmen will take place on the 5th. The 6th, 7th and 8th will be devoted chiefly to placement examinations and to talks by Prof. H. H. Arnold, Student Advisor, on general orientation to college life and on proper methods of study. There will also be talks on student activity. Sometime during Freshman Week the coming freshmen will be entertained by the faculty with a Smoker in the Jackling Gymnasium. Also during the week the churches of Rolla will be asked to have some social entertainment for freshmen belonging to their church, and the local theatre will be asked to provide suitable entertainment.

The most vital part of the plan, according to Prof. Arnold, will consist of dividing the incoming freshmen into probably eight sections, each being under the supervision of a faculty member. Each section will be assigned to a definite faculty member for meetings and the faculty member in charge will be expected to administer the placement examinations, and between examinations see that the men in his section complete their physical examinations. He will also show them around the school and get them acquainted with all of the departments, see that they find places to live, and in general act as a counsellor for his group to help them get the program start in their new surroundings.

The above plans are tentative and will be subject to change during the time between now and the opening of school. The new incoming freshmen will be given a complete schedule sometime during August outlining the programme for Freshman Week.

## Final Exams Now

At the end of the semester just closed all students taking freshman and sophomore subjects had the pleasure of meeting their instructors for the last time to face a final examination. The final exam program was adopted by the faculty last year for all freshman and sophomore subjects beginning this year. The exams are optional for those in the upper classes and some of the faculty members entertained the juniors and seniors in a similar manner.

The matter of final exams for the freshman and sophomore subjects came about as a result of studies made by the Society for the Promotion of Engineering Education, of which society the School of Mines has been cooperating with the last several years.

## Basketball Season

### Miners Win 2, Lose 15 Games

The basketball season closed with the game with Tarkenton played here on March 2, when the Miners beat Tarkenton 17 to 17. It was one of two bright spots in the Miner schedule during the season. The other was when they beat Central College in a game played at Rolla on January 31. All other games found the Miners on the losing end of the score.

The Miners started the season with a game against St. Louis University in Rolla on December 15, when they were down to defeat by a score of 43 to 18. In a return game at St. Louis on January 6, St. Louis U again defeated the Miners by a score of 46 to 27. On January 7, on the week-end trip to St. Louis, the Miners again met defeat this time at the hands of Concordia, the score being 47 to 27.

On January 14 the team met Shurtleff College in Rolla. Shurtleff was returning from a basketball tour of Missouri colleges. The Miners were defeated 41 to 28.

On January 20 the Miners met their old enemy, Drury College in Springfield, where Drury piled up a score of 36 to 21 Miners' 31.

On January 30 the Miners met Central College at the gymnasium in Rolla, and again lost in a hard-fought game, the score being 35 to 31; but the Miners avenged themselves

Following night by running up a score of 39 points while Central was amassing a total of only 33, thus giving the Miners their first win of the season. The night was practically spoiled, however, when a bunch of enthusiastic frosh went down to rush the local theatre and found the sheriff and several assistants there with Gatling guns trained upon the entrance. The frosh did not get in.

On February 4 the Drury team made its appearance at the Jackling Gym and again downed the Miners 37 to 30.

The following week the Miners started on a tour of the Northern Missouri colleges, meeting first Central College at Fayette on February 7, where they were swamped by a score of 64 to 27.

On February 8 the Miners met the Westminster Blue Jays and were defeated 52 to 31, and on February 9 the Miners again met Westminster with a different score but they were still losers. The score was 22 to 19, the Miners losing on free throws.

On February 10 the Miners met Central Wesleyan at Warrenton, losing 41 to 37, and again losing to the Warrenton team on the night of the 11th to the score of 40 to 37.

On February 16 the William Jewell College team came to Rolla for two games. The first game William Jewell defeated the Miners with a score of 34 to 30, and the second game again defeated the Miners with a score of 39 to 23.

On February 27 the Miners met the Springfield Teachers in Rolla and were defeated 60 to 23. Then came the final game of the season, on March 2, which found the Miners winners against Tarkio College with a score of 33 to 17.

The Miners played a hard game during the entire season but they had the unhappy misfortune of losing by a few points in several hard-fought games. Captain Miller, Tamm, Tucker and Hollow of last year's team showed up well during the entire season, with Green, McCormick, Heilig and Hassler doing good work among the newcomers.

### Houston Boys Win High School Basketball Tournament at Jackling Gym

The boys basketball team from the Houston High School won first place in the South Central Missouri High School basketball tournament held here March 1, 2 and 3, defeating Licking, last season's champions, by a score of 38 to 29. The St. James girls won first place in the girls' contest, defeating Salem, last year's champions, by a score of 36 to 17.

The boys' teams from St. James, Licking, Houston, and Cuba, survived to the semi-finals, where Licking beat St. James by the close score of 29 to 28, putting Licking into the finals. Houston beat the Cuba boys by a score of 51 to 17, putting Houston into the finals. This left the two teams of long, rangey youths from Texas County to fight it out in the final contest, which they did in a first rate manner. Licking was defending her district championship title won on the same court last year. Licking trailed at the end of the first and the second quarters, but rallied to take the lead near the end of the third and retained it until early in the fourth, when Houston again passed them and by steady gains ran the final score up to 38 for Houston with 29 for Licking. Houston will represent the district in the state contest to be held in Columbia on March 16 and 17.

In the girls' contest, the St. James girls defeated Owensville in their first game, 33 to 11, and then beat the Cuba girls by a score of 26 to 19, throwing St. James into the finals. Salem, last year's champions, by defeating Washington girls in the semi-finals, again went to the finals, and again faced St. James, as they did last year. This year St. James avenged their defeat of the previous season by beating Salem 36 to 17.

The contest, according to F. E. Dennie, Director of Athletics at the School of Mines, where the contest was held, had the largest number of entries and the largest attendance of any tournaments so far held here. Twenty-six teams were entered, and the gate receipts showed an estimated total number of admissions for the three days of over four thousand.

### The Intramural Basketball Series

The Pi K. A. fraternity won the intramural basketball series this year, defeating the Sigma Nus in the final game with the two teams tied. The Pi Kappa Alphas won eight games and lost one. The Sigma Nus won seven and lost two. The Independents and the Triangles were the next highest teams.

### A Miner Out for Governor

Mr. Charles A. Lee, now Superintendent of Schools for Missouri, has announced himself as a candidate for governor of the state.

While the School of Mines cannot claim Mr. Lee as a graduate, we can yet say that he got his first taste of college life on the campus of the School of Mines where he attended school in 1913. He was born and brought up near Rolla and his many friends will wish him well in his desire to become the next governor of Missouri.

### H. L. Wheeler, Former Librarian at M. S. M., Dies

Word has been received of the death of H. L. Wheeler, former librarian at the School of Mines. He died at his home in Muskegon, Michigan, on March 3, 1928.

Mr. Wheeler was for a number of years librarian at the School of Mines and rendered the school most efficient service in that respect. He is the author of one of the school bulletins, "Bibliography of Zinc." This bulletin has been in constant demand from all over the world. Mr. Wheeler left the School of Mines in 1921 to go to the Muskegon Library, where he continued his aggressive work for the betterment of that library and the community, and where he met with equal success to that attained at the School of Mines and Metallurgy.

### Dr. Ladd In New Field

Dr. George E. Ladd, former director of the School of Mines, has recently been appointed consulting geologist for the Armco Culvert Manufacturers' Association. Dr. Ladd visited in St. Louis recently and while there he and Ray F. Rucker, '06; Robert Cummins, '05; John McCarthy, '05; Charles Hummel, ex '06; George E. Lyman, '02; Kurt Moll, ex '04, and Claude Myers, ex '05, met one evening for an informal dinner, and Mr. Myers reports that they passed a very enjoyable evening talking over old times at the School of Mines.

### Work for Seniors

In another column of the Alumnus is listed the names and courses of those who will graduate this coming June. Alumni are urged to bear in mind the fact that these boys will be needing employment following their graduation. A number of them have already been placed. For the most part, if it is absolutely necessary, the boys can be released during the month of May following the Senior trips, to take up employment, although of course the school officials would much rather that they remain for the commencement exercises. Alumni having or knowing of vacancies are urged to communicate with the Alumni Recorder regarding such openings in order to give the M.S.M. boys a chance at the places.



### The Class of 1928

In all there is a total of 64 candidates for the bachelor's degree in 1928, and twelve for the master's degree. The commencement exercises will be held on Thursday, May 24, with President Daniel W. Morehouse of Drake University delivering the commencement address. The names and courses of those who will graduate are given below.

|                                   |                        |
|-----------------------------------|------------------------|
| Herbert Emmet Ahrens.....         | Civil Engineering      |
| Karl Anson Allebach.....          | Mine Engineering       |
| Charles Wilson Ambler, Jr.....    | Mine Engineering       |
| John Edgar Antener.....           | Chemical Engineering   |
| Rupert Paul Baumgartner.....      | Electrical Engineering |
| Arthur Powell Berry.....          | Mine Engineering       |
| Paul McClland Berry.....          | Electrical Engineering |
| Philip John Boyer.....            | Mine Engineering       |
| Mary Phariss Bradford (Mrs.)..... | General Science        |
| Harry Herbert Brittingham.....    | Electrical Engineering |
| Louis John Burg.....              | Civil Engineering      |
| Ralph Wilbur Campbell.....        | Civil Engineering      |
| Robert William Couch.....         | Mine Engineering       |
| Daniel Henry Crumbaugh.....       | Electrical Engineering |
| Wilson Buford Davis.....          | Mine Engineering       |
| James Gerald Donaldson.....       | Mine Engineering       |
| Myron Norman Dunlap.....          | Mine Engineering       |
| Harold Kline Ewing.....           | Civil Engineering      |
| Edward Carroll Faulkner.....      | Civil Engineering      |
| Charles Alfred Freeman.....       | Ceramic Engineering    |
| John Furey Gage.....              | Civil Engineering      |
| Theodore Christian Gerber.....    | Civil Engineering      |
| Robert Knowlton Grantham.....     | Chemical Engineering   |
| Sam Ashby Grantham.....           | General Science        |
| Henry Emmett Gross.....           | Mine Engineering       |
| Paul Arthur Halasey.....          | Electrical Engineering |
| John Paul Harmon.....             | Mine Engineering       |
| Michael Vincent Healy.....        | Metallurgy             |
| John Read Heckman.....            | Civil Engineering      |
| Charles Frederick Herbert.....    | Mine Engineering       |
| Theodore Herman.....              | Metallurgy             |
| Albert Lee Hill.....              | Civil Engineering      |
| Howard Histed.....                | Mine Engineering       |
| Sam Dunlap Hodgdon.....           | Mechanical Engineering |
| George Calvin Johnson.....        | Electrical Engineering |
| Harold Robert Kilpatrick.....     | Metallurgy             |
| Nicholas Luke Kozlinsky.....      | Mine Engineering       |
| John William Laytham.....         | Civil Engineering      |
| Mark Breckenridge Layne.....      | Mine Engineering       |
| Monte Clyde Ledford.....          | Mine Engineering       |
| James Otis Letts.....             | Civil Engineering      |
| Shirley Alfred Lynch.....         | Mine Engineering       |
| Ervin Glen McLauchlan.....        | Electrical Engineering |
| William Bennett Machin.....       | Civil Engineering      |
| Chester John Mellies.....         | General Science        |
| William Lewis Metcalf.....        | Electrical Engineering |
| Edward Calvin Miller.....         | Metallurgy             |
| Howard Blakely Moreland.....      | Civil Engineering      |
| Thomas Daniel Murphy.....         | Mine Engineering       |
| Harold Howard Newcombe.....       | Civil Engineering      |
| Oscar David Niedermeyer.....      | Mine Engineering       |
| Gerald Albert Roberts.....        | Electrical Engineering |
| William Karl Schweickhardt.....   | Ceramic Engineering    |
| Floyd Eugene Sewell.....          | Mechanical Engineering |
| Joseph Warren Smith.....          | Civil Engineering      |
| Lawrence King Snyder.....         | Civil Engineering      |
| Burl Young Slates.....            | Mechanical Engineering |
| Robert Henry Sturgess.....        | Mine Engineering       |
| Irwin St. Jean Sturgis.....       | General Science        |
| William Shipman Temples.....      | Mine Engineering       |
| Eugene Fusz Thatcher.....         | Mechanical Engineering |
| Harold Donnand Thomas.....        | Mine Engineering       |
| John Robert Walther.....          | Civil Engineering      |
| John Edward Weber.....            | Mine Engineering       |

### Master's Degrees

|                            |                      |
|----------------------------|----------------------|
| Clarence Jay Black         |                      |
| Arthur Lenox Bradford..... | General Science      |
| J. Bruce Clemmer           |                      |
| Cletus Dale Cordry         |                      |
| Richard Dwight Duff.....   | Chemical Engineering |

|                             |                      |
|-----------------------------|----------------------|
| Ruth Veino Goodhue.....     | Chemical Engineering |
| Omer Watson Greeman         |                      |
| Howard Halcomb Gross.....   | Chemical Engineering |
| Herman Henry Kaveler.....   | Chemical Engineering |
| William Harlan Ode.....     | Chemical Engineering |
| Guy Robert Scott            |                      |
| Clarence Bernard Weiss..... | Chemical Engineering |

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### Former M.S.M. Student Now Brigadier-General

The promotion of Frank C. Bolles from Colonel to Brigadier-General was announced by the U. S. Army to take effect on March 5, 1928.

Brigadier-General Bolles attended the School of Mines back in '91 and later graduated from West Point. In 1891 he was granted the degree of C. E. (honoris causa) by the School of Mines. He has an outstanding record as a soldier and his friends and former schoolmates will be glad to learn of this deserved promotion. The San Francisco News of December 22, 1927, carried an extensive write-up of General Bolles' work as commander of the 30th Infantry and the improvements made by him at the Presidio near San Francisco.

This is the second Brigadier-General among the ranks of the Miners, Brigadier-General Frank D. Webster, retired from Fort Leavenworth, Kansas, attended the School of Mines back in 1882.

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### Enrollment

The enrollment for the second semester has brought the total for the year up to 504. This is a thirteen per cent increase over the enrollment for last year and is the fourth largest percentage of increase over the preceding year that the school has experienced in the past thirty years. The largest increase was in the freshman class which shows a growth of 17½ per cent over the class for last year.

The alumni were responsible in no small degree for the splendid growth of the school. Within the near future a list of boys who have indicated an interest in the School of Mines will be sent to the alumni and they are urged to read and interview as many of them as possible to help them in deciding whether or not M.S.M. is the school they wish to attend. Such cooperation on the part of the alumni has helped materially during the past three years in building up the registration to where it is.

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### Tau Beta Pi Pledges

The pledges for Tau Beta Pi for the second semester of the school year 1927-28 were announced at the mass meeting on March 9. They were Harry C. Page, Lebanon, Mo.; R. B. Coll, St. Louis; L. R. Van Sciver, Hightstown, N. J.; and Mercer V. Thompson, Portageville, Mo.

The Pi Kappa Alpha fraternity won the scholarship for having attained the highest grades during the first semester of the school year.

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### Phi Kappa Phi Pledges

The Phi Kappa Phi pledges for the present school year which were announced on February 17 are as follows: J. Edgar Antener, Independence, Kansas; J. R. Walther, Cape Girardeau, Mo.; Marv P. Bradford, St. Louis; E. C. Faulkner, Marionville, Mo.; R. P. Baumgartner, Ste. Genevieve, Mo.; E. C. Miller, Bonne Terre, Mo.; and F. E. Sewell, Juba, Prairie, Mo. Faculty members elected were Prof. Joseph Bridge of the geology department and Prof. W. J. Jensen of the physics department.

Mrs. Mary P. Bradford was the second woman to be pledged to Phi Kappa Phi since the installation of the chapter at Rolla, the other one being at the time of her election Miss Jennie Lenox who graduated in chemistry. She is now Mrs. Ernest S. Wheeler, having married "Bugs" Wheeler, M.S.M., '22.

### Yaro Klepel's Books Given To Library

Through the courtesy of Mr. Edward J. Herson, 3316 Humphry Street, St. Louis, Missouri, the school has received the books of Yaro Klepel, '17, who died of influenza while in the service during the world war. Miss Jones, the librarian, is now checking these books to determine which ones she desires for the library. Those not desired by Miss Jones will be donated to some of the students on the campus. With the limited appropriations the school is now receiving for books from the legislature, Mr. Herson's generosity is very much appreciated.

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### Technical Publications of Interest to Miners and Metallurgists

C. C. Cushwa, '14, delivered a paper before the Utah section of the A.I.M.M.E. The title of the paper was "The Park Utah Mine."

Ternary Systems of Lead-Antimony and a Third Constituent. A.I.M.M.E. F. C. Nix, '24, is one of the authors.

Suggestions for Improvements in the Reverberatory Furnace. A.I.M.M.E. F. W. Schroeder of the Bureau Staff at Rolla is one of the authors.

Mining and Preparation of St. Peters Sandstone in Arkansas, A.I.M.M.E. D. D. Dunkin, '06, is the author.

Development of Liquid Oxygen at Chuquicamata. A.I.M.M.E. Frank K. Middleton-Hunter, '23, is one of the authors.

Technology and Uses of Silica and Sand. Bureau of Mines W. W. Weigel, '00, is the author.

Magnetic Concentration of Iron Ores of Alabama. Bureau of Mines. F. D. DeVaney of the Rolla Staff is one of the authors.

Composition of Iron Blast Furnace Slags. A.I.M.M.E. Leo Schapiro, '24, is one of the authors.

In addition to the above, the following other papers were read at the American Institute meeting in New York on February 20 to 23:

Coal Mining Industry of Russia, by John A. Garcia, '00.

Classification of Coal, discussion by Eugene McAuliffe.

Geology and Mining of Diaspore and Flint Clays in Missouri, by H. S. McQueen and C. R. Forbes.

Formation and Decomposition of Zinz Ferrite, a discussion by Professors Hanley, Clayton and Walsh of the M.S.M. Met Department.

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### Wedding Bells

Charles W. Ambler, Jr., '28, and Miss Margaret Ellen Haywood of St. Louis were married in Rolla, Mo., on January 14, 1928. "Chuck," as he is familiarly called on the campus, is a senior in mine engineering and will graduate this coming June. He is a member of Sigma Nu Fraternity and Tau Beta Pi. He was for one year assistant circulation manager of the Miner and is this year business manager of the Athletic Association. He is a nephew of H. A. Ambler, '17, who is with the Superior Portland Cement Company, Concrete, Washington, and of J. O. Ambler, '06, Phelps-Dodge Corporation, Douglas, Arizona.

John W. Laytham, '28, was married sometime before the close of last semester when he finished his work in civil engineering here at the School of Mines. Johnny went back to his old home town for the girl of his choice. He did not marry a Rolla girl as so many other Miners have done.

Lorenz A. Fisher, '25, and Miss Helen Horsfield of Murphysboro, Illinois, were married on August 21, 1927, at the bride's home in Murphysboro. After the ceremony the couple left by automobile for the East. They are now at home at 111 Michigan Avenue, Bellevue, Illinois.

Lorenz received his degree in mine engineering in 1925. He is a member of the Pi Kappa Alpha Fraternity, Sigma Gamma Epsilon and the Satyrs. He made a letter in foot-

ball in '23 and '24 playing in the backfield, and lettered in track in '23. He was also a member of the Rollamo Board. He is at present employed by the National Carbon Company at Belleville, at which place he met his bride who was employed as a teacher in the city schools there.

### The Following Is Taken From the Hannibal Courier-Post and Journal;

"The announcement of the betrothal and approaching marriage of Miss Marietta Gentry, daughter of Mr. and Mrs. Richard H. Gentry, 1208 Lyon Street, to Mr. George D. Clayton, Jr., son of Mr. George D. Clayton, 9 Stillwell Place, was made known this afternoon at a very charmingly appointed luncheon with which Mrs. Robert M. Clayton entertained in her home, 1007 Bird Street, honoring her sister-in-law, Mrs. Walter N. George of Springfield, Missouri. The wedding will take place some time in June. Decorations were very effective, in keeping with the gay Valentine season, and the guests learned the interesting news when they received pretty little Valentines on which was written "Marietta and George. June 1." Cards were played during the afternoon.

"Miss Gentry and Mr. Clayton are very prominent in the younger set. Miss Gentry was graduated from Hannibal High School and later attended the University of Missouri. Mr. Clayton also graduated from the high school here, and later was a student in the Missouri School of Mines and Metallurgy at Rolla, leaving there to enter the aviation service of the U. S. Army during the world war. He is a member of the firm of George D. Clayton and Sons, Real Estate and Insurance."

Mr. Clayton, who is a brother of Prof. C. Y. Clayton, attended the School of Mines in 1916 and 1917 and is a member of the Kappa Alpha Fraternity.

Fred Edgin, who attended the School of Mines in 1926-27, was married to Miss Lulu Templeton of Rolla in January, 1928. The ceremony took place at Waynesville, Mo. Edgin is out of school this year.

Raymond L. Hallows, '27, and Miss Nelle Kitchen of Rolla were married at Joplin on December 31, 1927. Ray graduated in metallurgy in the spring of 1927 and is now in the research department of the Eagle-Picher Lead Company at Joplin. He is a member of the Lambda Chi Alpha Fraternity and of Tau Beta Pi. His wife is the daughter of Mr. and Mrs. J. E. Kitchen of Rolla and had been teaching for some time in the schools at Mound City, Mo.

Bruce K. Rice, ex '25, and Miss Joyce Hawkins of Vinita, Oklahoma, were married in Vinita on December 31, 1927. Bruce is in the engineering department of the Inspiration Copper Company at Inspiration, Arizona. He is a member of the Pi Kappa Alpha Fraternity.

Lawrence Collins, '21, and Miss Leona May Yates were married at Gilman, Illinois, on October 30, 1927. Lawrence graduated in '21 in mine engineering. Lawrence is a member of the Grubstaker Club and of Quo Vadis, and is a Theta Tau. He was also while in school business manager of the Athletic Association and a member of the American Association of Engineers and the Missouri Mining and Metallurgical Association. He served on the Rollamo Board and on the St. Pat's Committee. He is now employed by Shanks & Gannon Construction Company with headquarters at Kankakee, Illinois, where the young couple are now at home to their friends.

Ronald E. Mabrey, '27, was married recently to Miss Jeannette Clark of Ottawa, Kansas. The wedding took place in the bride's home town and the couple left for a short honeymoon trip before going to Clinton, Arkansas, where Ron is working as geologist for H. L. Hollis, Consulting Mining Engineer and Metallurgist of Chicago. While in school Ron was a member of the Kappa Sigma Fraternity, Tau Beta Pi and Phi Kappa Phi. He was also treasurer of the Missouri Mining and Metallurgical Association for one year. He graduated in mining geology in the spring of 1927.

## General Alumni News

1928

Robert S. Sturgess has accepted employment with the Guggenheim interests at their tin mines in Bolivia. He will sail for Bolivia on March 15th.

O. D. Niedermeyer and H. D. Thomas, both of whom finished the work required for their degree last semester, have accepted positions with the Union Pacific Coal Company at Rock Springs, Wyoming.

C. D. Evans is at Russell, Kansas, where he has charge of a grocery store for his father. C. D. expects to be back in school next fall.

1927

E. R. Sievers is engineer in charge of operations, Marble & Limestone Development Company, at Beulah, Colorado.

Frederick Clearman has resigned his position with the Anaconda Copper Company at Great Falls, Montana, and sailed December 22nd for Rancagua, Chile, where he will be assistant test engineer for the Braden Copper Company.

F. A. Gerard was visiting in Rolla during the holidays. He is with the Sanitary District of Chicago and his address is 214 North Mayfield Avenue, Chicago.

Harry F. Bossert, who is with the Illinois Highway Department at Paris, Illinois, spent the holidays visiting his folks in Rolla.

Robert F. McCaw, who has been with the General Utilities Company since graduation, has been transferred from their Rolla plant to their plant at Bloomfield, Kentucky.

Clarence L. Woods is with the Compagnia Generale de Mines en Bolivie. Lee is working at present at the company's properties at Chojnacota at an elevation of 16,000 feet. His address is Casilla 27-A, La Paz, Bolivia.

E. R. Cushing, who has been in New York City with the Certain-teed Products Company, has been transferred to Acme, Texas, with the same company.

Clyde F. "Bobo" Boismenu, who has been at Gary, Indiana, with the Illinois Steel Company, has been transferred to Chicago. He is in the General Sales Department of the Illinois Steel Company. His address is 214 North Mayfield Avenue, Chicago.

J. H. Reid is with the National Lead Company at Fredricktown, Mo. He is living at The Tavern.

Mrs. J. A. Holman was the recent guest of her parents, Dr. and Mrs. J. W. Barley. "Chalky" is in the engineering department of the Texas and Pacific Railway at Fort Worth, Texas.

1926

C. D. Craig who has been with the Western Coal and Mining Company at Bush, Illinois, since leaving school, is still with the same company but has transferred to Jenny Lind, Arkansas.

E. C. Hunze underwent a major operation at the hospital at Cape Girardeau during the early part of December. Peritonitis developed and before Carl got through with it he underwent four operations and one blood transfusion. His friends will be glad to know that he is now steadily improving, being able to walk around, and expects to go back to his job with the Aluminum Ore Company in East St. Louis about the middle of March or the first of April.

R. K. Miller, who has been for some time with the American Smelting & Refining Company at Perth Amboy, N. J., has accepted a position with the Compania Minera de Penoles, S. A., Apartado 251, Monterrey, Mexico, as metallurgist in their plant there.

W. J. Shaffer is with the Illinois State Highway Commission at Percy, Illinois.

Bennett R. Thompson was in Rolla January 28. He had been visiting relatives in Springfield during a short vacation and was en route to San Angelo, Texas. He is doing geophysical exploration work in West Texas with headquarters at San Angelo.

M. N. McIllwain is with the Shell Company of California at Martinez, California.

Ray E. Kollar, who was for some time in Roumanian returned to this country and is with the Phillips Petroleum Corporation, at Tulsa, Okla.

I. N. Goff is working with Prof. R. S. McCaffery at the University of Wisconsin at Madison.

Jimmie Crawford is visiting in Rolla.

1925

C. W. Magalis is with the Llano Oil Company, Building, Fort Worth, Texas.

Adolph Kuechler is ceramic engineer for the U. G. Contracting Company with offices at Broad and Arch Streets, Philadelphia, Pa., 709 Fidelity Building. Otto was a visitor during the last week in January.

Charles L. Martin was visiting friends and relatives in Rolla during the early part of February. He is now with Consolidated Copper Company, Ruth, Nevada.

J. E. Couch is with the Roxana Petroleum Corporation, Seminole, Oklahoma.

1924

C. F. Schaeffer is in the research department of Knott Company, New York, City. His home address is 160 1/2 Street, Greenwich Village.

Emilio de Cardenas is now at Jerome, Arizona, Box 100. Prof. and Mrs. Guy R. Scott spent the Christmas holidays with Mrs. Scott's parents at Monett, Missouri.

Jack Campbell was a visitor to Rolla during January.

Ray McBrien, Engineer of Tests, Denver & Rio Grande Western Railroad, with headquarters at Denver, delivered a paper before the Rocky Mountain Section of the American Waterworks Association. The title of the paper was "Engineering Water for Railroad Use."

Mrs. George C. Gabler was the guest of her parents in Rolla during the month of February. George is metallurgist with the Midland Steel Company, East Chicago, Indiana.

1923

M. J. Ingerson is head of the biology department at Louisiana State Normal College at Natchitoches, Louisiana.

S. M. Burke, Jr., has entered the field of sales engineering and is with Brown Company, 1012 Arcade Building, St. Louis. The Brown Company are makers of Bernico Pipe, a pitch-impregnated fibre product, noncorrosive.

W. O. Keeling, wife and little son, were visiting in Rolla during the holidays. "Bud" is with the Rockwell Petroleum Corporation at Wood River, Illinois.

W. F. Netzeband has been elected chairman of the programme committee at the Joplin-Miami Section of the A.I.M.M.E.

J. P. "Pem" Gordon spent a few days in Rolla during February, a guest at the Sigma Nu House of which fraternity he is a member. He is associated with the stock bond department of the H. L. Doherty Company, Merchants National Bank Building, Cedar Rapids, Iowa.

F. K. M. Hunter, who has been with the Chile Exploration Company at Chuquicamata, Chile, for several years, expects to leave there about April 1st. He has no definite plans for the future.

1922

Alvis F. Denison is with the Maxwell Land Grant Company at Baldy, New Mexico.

E. G. Machin was a visitor to Rolla during the month of January. Ted is with the Indiana Road Paving Company. His address is 5152 North Meridian Street, Indianapolis, Indiana.

Louis A. Turnbull, Chief Engineer, Western Coal & Mining Company, St. Louis, was a visitor to Rolla during the holidays.

F. P. Updike's address is now 50 Jane Street, New York

M. Bowman's address is 185 Bryant Street, Staten Island, New York.

Fred Helmerich is metallurgist with Hauzer-Miller, Inc., Planters & Refiners, 113 North Eleventh Street, St. Louis, Missouri.

Bill Andrews, who is with the Standard Oil people, is at present located at Huntington Beach, Calif. He expects shortly to return to Venezuela, S. A.

B. Wyman has returned to Chuquicamata, Chile, with the Chile Exploration Company, after an absence of two years. Glen is now married.

Mr. and Mrs. Walker E. Case and little daughter drove to Rolla the latter part of February. Walker, who is with the American Telephone Company in St. Louis, was on his way to Kansas on business for his company. His wife and daughter remained in Rolla during his absence.

## 1921

H. W. Hurd is in Albuquerque, New Mexico, 101 South Water Street.

William L. Stewart is living in New York City.

## 1920

William Taggart and M. P. Brazill were in Rolla February 3rd and 4th the guests of the Kappa Alpha Fraternity of which they are members.

V. Moore is with the Gardner Denver Company, 11 Church Street, New York City.

Karl Heimberger, wife and children, were the guests of his parents in Rolla during the holidays.

George Kroenlein, of Cummins & Kroenlein, Del Rio, Texas, was in Rolla during the holidays.

H. B. Wills is doing highway engineering work at Hutchinson, Kansas.

## 1919

William Oyler is in the research department, Lever Brothers Company, Cambridge, Mass. His address is 959 Massachusetts Avenue.

## 1918

James P. Gill, chief metallurgist, Vanadium Alloys Steel Company of Latrobe, Pa., addressed the St. Louis Chapter of the American Society for Steel Treating at the American Annex Hotel on December 23, 1927. His address was presented by motion pictures showing the manufacture of high speed steel.

## 1917

Paul F. Pape is with Weisberger & Weinhoff, 145 58th Street, New York City. His home address is 1201 University Avenue, New York City.

K. V. B. Rossman is with the Federated Metals Company, Trenton, N. J. His address is 30 South Dean Street, Trenton.

Ralph Dale is located at Herrin, Illinois, with the State Highway Department.

Mrs. William Guest and daughter, Dorothy, spent the holidays in Rolla with Mrs. Guest's mother.

T. P. Walsh, Captain U. S. Army, has been transferred from Fort Eustis, Va., to Fortress Monroe, Va., as a student of the Coast Artillery School. While at Fort Eustis he was in recreation, athletic, school and recruiting officer. During P.'s spare time he has gone to the College of William and Mary at Williamsburg, Va., where he received the degree of Master of Arts in June, 1925, and is to get a Bachelor of Chemistry next August. As the honor student in chemistry he was elected to Phi Kappa Phi. In addition he has made Pi Gamma Mu, social science fraternity; Sigma Chi Sigma fraternity; Theta Chi Sigma, chemistry fraternity; and Chi Beta Phi, scientific fraternity. From Fortress Monroe Walsh will go on foreign service—probably to Panama.

Howard J. Teas, who has opened an office as civil engineer and surveyor, is located in Station Plaza, Malverne, Long Island, New York, N. Y.

Joseph G. Wilson is with the International Gas Corporation, 11 Broadway, Suite 1152, New York City.

## 1916

Robert Craig is with Ingersoll-Rand Company at Cleveland, Ohio. His address is 1620 Williamson Building, of that city.

James L. Head, of the Chile Exploration Company, Chuquicamata, Chile, has recently been examining placer tin properties in Bolivia.

James J. Dowd visited old friends on the campus on March 8. He was en route to his home in St. Louis from a trip to Arkansas. "Jimmie" is chief engineer for the Western Coal and Mining Company, Planters Building, St. Louis.

## 1915

Charles Gottschalk is vice-president and general manager of the Big Vein Coal Company whose mines are at Buckskin, Indiana.

## 1914

J. F. Seward's address is The Fairfax Hotel, Massachusetts Avenue and 21st Street, Washington, D. C.

## 1912

Thomas A. Stroup is assistant chief engineer for the West Virginia Coal and Coke Company, Omar, Virginia.

## 1910

J. W. Bodman is superintendent of research with Lever Brothers Company, makers of Lux, Life Buoy, Pears' Soap and others. His address is Cambridge 39, Massachusetts.

Howard K. Peterson, who has the agency for the Union Central Life Insurance Company, is located at 4 Rose Street, New Rochelle, N. Y. His home address is 427 South 3rd Avenue, Mount Vernon, N. Y.

Walter "Horse" Dobbins is still with the Chile Exploration Company at Chuquicamata, Chile.

## 1909

Mr. Vic H. Hughes passed through Rolla on February 7, returning from a trip to Tennessee. Mr. Hughes stopped off to visit the geology department of the School of Mines and was very much interested in the changes that have taken place since he was a student here. Mr. Hughes is particularly interested in work in geophysical prospecting. The school is doing some work along this line now and expects to enlarge its facilities for such studies in the very near future.

## 1903

Mr. and Mrs. R. C. Alexander of Henryetta, Oklahoma, were the guests of Mrs. Alexander's mother in Rolla during the holidays. Mr. Alexander is a contracting engineer in Henryetta.

## 1898

Arthur D. Terrell is Assistant to the President, National Zinc Company, at Bartlesville, Oklahoma.

## 1878

William Y. Bean visited the School of Mines on February 3, 1928. Mr. Bean graduated in civil engineering in 1878, the fourth graduating class of the school. The work of his profession has taken him to various parts of the United States. He is now Inspector and Instructor, Grand Commandery, Knights Templar of Missouri, at Springfield, Missouri. His home address is Route 4, Carthage Road, Springfield.

Kay Hansen, '30 is with the Bergman Lumber Company and is working at Puertas Cabezas, Nicaragua. His mail address is P. O. Box 830, New Orleans, Louisiana, U. S. A.

M. Leon Smith, '30, is with the Phillips Petroleum Corporation, Russell, Kansas.

### The Coming Generation

Mr. and Mrs. E. R. Needles, '14, daughter on December 21, 1927, Caroline. Needles is with Harrington, Howard and Ash, Consulting Engineers, New York City. Mrs. Needles was formerly Miss Ethel Schuman of Rolla.

Mr. and Mrs. F. T. Boyer, '09, daughter, Edith Adele, born December 30, 1928. Mrs. Boyer was formerly Miss Grace Powell of Rolla.

Mr. and Mrs. Ronald D. Ward, '25, daughter, Gwyneath Rose, born February 21, 1928. "Ron" is resident engineer, Edward Flad & Company, Consulting Engineers, St. Louis.

Mr. and Mrs. Arthur R. Powell, ex '27, boy, James Allen, born February 13, 1928. Mrs. Powell was before her marriage Miss Elizabeth Montgomery of Rolla.

Dr. and Mrs. H. T. Mann, '08, boy, Horace Tharp, Jr., born January 25, 1928. Dr. Mann is Associate Professor of Petroleum Engineering at the Massachusetts Institute of Technology, Cambridge, Mass. Mrs. Mann was formerly Miss Bess Casselman of Rolla.

Mr. and Mrs. Vance H. Webster, '23, boy, Warren Wayne, February 17, 1928. Vance, who lives at 3029 West Fulton Blvd., Chicago, is studying to become a Baptist minister.

Mr. and Mrs. J. L. Head, '16, son, John Landon Head, born December 16, 1927. Mr. Head is a mining engineer with the Chile Exploration Company, Chuquicamata, Chile.

Mr. and Mrs. James A. Westgard, girl, Margaret Matilde, born February 16, 1928. Jim is designer and draftsman with the State Highway Department, Hannibal, Mo.

Mr. and Mrs. B. L. Chaney, girl, Roann Lee, born January 21, 1928. Banner is with the Illinois State Highway Department at Elgin Illinois. Mrs. Chaney was formerly Miss Florence Wyant of Rolla.

Mr. and Mrs. Joseph Worley, '23, girl, Dorothy Louise, born March 4, 1928. Mrs. Worley was formerly Miss Vertie John of Rolla.

Mr. and Mrs. J. K. Walsh, boy, born March 5, 1928. J. K. is Director of Public Relations at St. Louis University and is also President of the M.S.M. Alumni Association.

Dr. and Mrs. C. H. Fulton have received the glad tidings that a son was born to Mr. and Mrs. Donald Cook of New York City on February 23, 1928. Mrs. Cook was formerly Miss Bertha Fulton.

### St. Patrick Queens Marry MSM Boys

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one of them wears a fraternity pin of the male variety, and it is the general opinion around town that "it won't be long now" until the percentage of opportunity will be materially increased.

Two of the queens who married the Hard Rock Miners have gone with their husbands into foreign lands. Mrs. Anderson returned last fall from Tokyo, Japan, where Anderson had been for some time installing a smelter for a Japanese concern. It was Mr. and Mrs. Eulich, however, who followed out the best traditions of the Miners as wanderers. After a short time spent in New York City they went first to Portuguese West Africa, from there to Brussels, Belgium, and from there to Angola, Africa, again. From Angola they went to the Belgian Congo, and from there to Colombia, South America. They are now in Kansas City, Mo.

### Kow Tow, Everybody! St. Patrick

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Alumnus, Dr. M. E. Holmes, Professor of Ceramic Engineering, and Marshall Graham, Associate Professor of Metallurgy, were dubbed Knights of St. Patrick.

Four ex-queens were present, Miss Helen Bays, first queen of St. Patrick, in 1915; Mrs. H. G. S. formerly Miss Mary McCrae, who married H. G. S. son of the class of '09; Miss Helen Underwood, 1926, and who has been wearing a Sigma Nu fraternal for some time; and Mrs. J. B. Brickner, the retiree of 1927, who was at that time Miss Loraine Love, married J. H. Brickner of the class of 1928 shortly after the St. Patrick celebration last year.

### DEATHS

Fred Tete Boyer, '09, died on January 5, at his home in Philadelphia. Mr. Boyer contracted blood poisoning from a blister on his heel. Physicians did not detect the disease until it had gone too far. He was taken to the hospital where he died two days later.

Mr. Boyer at the time of his death was general manager for Merchant & Evans Company in Philadelphia. He is survived by his wife, Mrs. C. Powell Boyer, and three children, the youngest five days old at the time of the father's death. His wife was formerly Miss Grace Powell, daughter of Mrs. Fanny Powell of Rolla. Funeral services were held at the Episcopal Church in Rolla on January 12th with Rev. H. Nelson Tragitt officiating. Interment took place at the Rolla cemetery.

Mr. Boyer graduated in metallurgy at the School of Mines in 1909, and has been for a number of years connected with Merchant & Evans Company and had risen to where he had complete charge of their operations in Philadelphia. While in school he was a member of the track teams of 1906 and 1908, and was manager of the team in 1909. He was 41 years old at the time of his death.

Ralph D. Sullivan, '27, died February 26, 1928, at a hospital in Peoria, Illinois. Sometime before Thanksgiving he was operated on for appendicitis at the St. Joseph Lead Company's hospital at Terre Haute. He was able to go home about Christmas and was thought to be recovering when further complications set in necessitating a second operation from which he died. He was buried at Washington, Illinois, on Wednesday, February 29.

"Rip," as he was commonly called on the campus, graduated from the School of Mines in 1927 in metallurgical engineering. He went with the St. Joseph Lead Company at Leadwood following his graduation. While in school he was a member of the Bonanza Club, a member of Quo Vadis, acting as president for one year, and was also a member of the Missouri Mining and Metallurgical Association. He was decidedly popular on the campus and his friends will regret to learn of his untimely death.

B. L. Imus, ex '25, was accidentally killed in a street car accident in St. Louis on December 15, 1927. Imus was in the employ of the street car company and was caught between two cars which crushed to death. He is survived by his wife and one child.