CONFERENCE DISAGREES

Mount St. Charles Denies Knowledge of Oral Agreements Reached in March, 1923.

By Prof. W. T. Scott.

In 1922, a movement was started at a schedule meeting held in Helena to form a Montana State Intercollegiate Conference. In March, 1923, at the time of the state high school basketball tournament, representatives from all the Montana colleges, except Billings Polytechnic, met at Bozeman, and spent an afternoon discussing possible eligibility rules. At this meeting there was general agreement that none of the Montana colleges should permit men to represent them in athletics who were not bona fide students carrying and passing a reasonable number of studies, that they should not have more than four years of college athletics, and that transfers from other colleges should have had at least a semester of residence before they could compete. Some of the provisions, notably that about transfers of letter-men from Montana colleges to other colleges of the state, were definitely decided. Other provisions were not fully worked out and were left without complete agreement. The meeting adjourned with the understanding that another meeting could be held at which a formally drawn up and signed agreement would be made. For a number of reasons, the colleges did not get together during the summer.

SIMONS RETURNS FROM ROCHESTER

Rapidly Gaining in Health

Professor Theodore Simons has returned from Rochester, Minn., where for ten weeks he was undergoing treatment at one of the Mayo Brothers' hospitals. Mr. Simons is much improved, and after a short rest he expects to resume his regular duties at the school. Upon his return to Butte, Professor Simons found letters from the McGraw Hill Publishing Co. advising him that his recently published book on ore dressing has been adopted as a standard textbook by the following institutions: University of Nevada, University of Cincinnati, Carnegie Institute of Technology, University of Pittsburgh, South Dakota State School of Mines, University of Utah, Texas School of Mines, University of Minnesota.

Professor Simons also has personal letters from the deans of the Engineering Department of the University of Washington and the Rolla School of Mines to the effect that his book has been adopted at their institutions.

The composition, publication and adoption of the work reflect very favorably upon the Montana State School of Mines as an institution of learning.

C. E. Martin.

CHANCELLOR BRANNON ADDRESSES STUDENTS

Chancellor Brannon addressed the students of the School of Mines, on Friday, Sept. 19. The meeting was the first student-body gathering of the year, and, as such, served to acquaint the various classes with one another, and especially to make the newcomers feel at home. The chancellor called attention to the difference existing between instruction and education. He pointed out the future opportunities afforded at the Mines to acquire both instruction and education, and urged the students to regard their work seriously. Chancellor Brannon also emphasized the great need to

SENIORS TAKE 1,000-MILE GEOLOGY TRIP

Three Weeks Spent in Field. Party Under Prof. Inglalsbe Covers Central Montana.

On Monday, Aug. 25, Prof. F. R. Inglalsbe with the class in senior geology, consisting of only two members, George Lukashenko and Louis Maick, began the regular senior geology field work. Francis Inglalsbe, son of Prof. Inglalsbe, joined the party at Phillipsburg.

The trip was planned so as to take advantage of as many geologic, mining, metallurgical, and hydro-electric features as could be conveniently done in three weeks' time. A roundabout trip permitted this to a large extent and over a thousand miles were covered. Much time was saved and many side trips were made possible by the courtesy of Prof. Inglalsbe, the party traveling in his Ford. As a local trip within the state it ranks with the best ever.

COMMITTEE DEFINES POSITION

Mines Gymnasium Nearly Completed

COMMITTEE Defines Position

By Prof. W. T. Scott.

The executive committee of the A. S. M., becoming aware that certain incorrect statements were published in a Helena paper concerning the athletic relations existing between the Mines and Mount St. Charles, decided to clear up the matter in so far as the A. S. M. was concerned. The following letter was sent to the Board of Athletic Control of Mount St. Charles College, the Montana Record Herald, the Butte Miner, the Anaconda Standard, and the Butte Daily Post:

"Board of Athletic Control,
"Mount St. Charles College,
"Helena, Mont.

"Gentlemen: It has come to us through the columns of the Montana Record Herald that the athletic board of the Montana State School of Mines met on Monday afternoon, Oct. 6, and reached the conclusion that a game would not be played with Mount St. Charles unless two men were dropped from the Mount St. Charles lineup.

"The purpose of this letter is to inform you that a cancellation of the game has not been made by the School of Mines. The students of the Montana State School of Mines are earnestly desirous of maintaining the friendly athletic relations which have always existed between the two institutions.

"It is clear that college athletics in Montana must be governed by definite rules which are recorded in writing so that no misunderstandings could result. The gentlemen's rules, in use up to the present time, seem not to be satisfactory, but since there seem to be no definite, written rules to which the various colleges have agreed, we feel that the schedules this year should not be disturbed, but that provision be made, before the next season, to put the matter of rules on a clear, concrete and permanent basis.

"Respectfully yours,
"Executive Committee of the Associated Students of the School of Mines.

"By Chas. C. McGeer, Chairman;
"Joe Rudolph, W. B. Tanner;
"N. G. Thompson;
"J. E. Martin;
"N. S. Naughten."

MINES DEVELOPING LIGHT BUT FAST SQUAD

McAuliffe Whips Team Into Shape for Heavy Schedule.

On the opening of school, Sept. 15, Coach Charlie McAuliffe began to organize a football squad. About twenty-five men showed up for practice, but most of these were inexperienced in college football, the only letter-men being Captain Quinn, "Swede" Anderson, H. O. Eggeberg and Donald Mayo. At first the training was light and preliminary in its nature, consisting of a system of calisthenics and the practice of certain light football forms. Later, when the men's muscles became more supple, Coach McAuliffe gradually introduced the rough stuff of the game. Then came a few light scrim-
THE SECOND YEAR

With this number, The Acropolitan enters its second year of existence. It was the aim of those who founded the publication, to make it a medium of expression for the students, faculty and alumni of the school. It is our desire to continue this service, believing that an exchange of ideas leads to better understanding, and therefore, progress.

We hope that those whom we represent, and also our readers, will not hesitate to use our columns for the purposes intended.

WRITTEN AGREEMENTS

The athletic relations of the institutions of higher education in Montana are in a regrettable condition. However, it is quite evident that the present condition would have come inevitably, because the arrangement by which games have been scheduled and rules drawn up has lacked the precision of definite, written statements. Verbal agreements, commonly known as "gentlemen's agreements," are frequently workable, and it is not pleasant to think that such agreements should not be workable at all times, but the fact remains that they are not workable at all times, as is clearly shown by the present situation.

Athletic competition, without rules thoroughly understood by all concerned, must result in confusion. Scheduled games involve great importance in the matter of expense, preparation, and the interest of the public as well as the schools themselves in the outcome of the games. It is, therefore, imperative to make certain that such games could not be easily cancelled. The matter of rules and of games to be played cannot be handled on an individual basis only by proper agreements, deliberately made, and recorded in writing.

We believe the present situation shows clearly that prompt action, in the direction indicated, should be made by those properly authorized.

SENIOR NOTES.

We are happy to learn of Professor Simons' return to Butte, and of his rapid convalescence. We hope he will be with us again soon.

Our representative from distant Russia, namely, Mr. Lukachenko, has exceptional mathematical ability. Mr. Marick presented a problem in compression, to which "Luke" instantly gave the correct answer. When asked by Mr. Wilson how he had arrived at the answer, our worthy friend said, "I didn't get it yet."

Metallurgy lab brings about strange effects at times, especially in fuel analysis. Recently Marick was heard to ask McGree very seriously, "Those are my ashes left, aren't they, Charlie?"

Leonard Swanson, the puny Swede from Silver Lake, attended the summer session of the University of Minnesota. It is reported that he attended the 68th annual homcoming of King Oscar's Royal Herring Chokers at St. Paul.

Mr. A. R. Templeton, responding also to the title of "Duke," presented a problem in geology, having, as he has summer collecting star fishes and mapping contour lines at the beaches of the west coast. The fact is that he is with us again is proof that he escaped the mermaids this time, but the au-burn-haired nobleman will probably take up star fishing again next summer.

The seniors find their work interesting in metallurgy laboratory. They are working on losses in cuipulation, experimental cyanidation, fuel testing and calorimetry, precision calibration of rare-metal thermo-couples, and gas analysis. Mr. C. L. Wilson is in charge of the work.

Aldo Parreno, who entered with the class of '25, and is now attending Stanford, took the field surveying work at Maiden Rock.

JUNIOR NOTES.

Yes, Juniors—and this means the whole class, all four of you—school has started in earnest now, and what with personal instruction and things of like nature, you've got to "know your stuff" this year, and moreover…" thus spoke Miss Reality, on October first, in answer to the worry expressed over the walks of the juniors in the last two weeks of September.

The juniors held a class meeting, at the first opportunity, for the purpose of electing the class officers for the year.

The class elected Emanem "Brick" Johnson as president, and it is reported that this individual has always harbored a secret desire to become a king or something, and now his chance has come. Bob Neubert jumped at the chance to be a second vice president and has always favored to suppress vice in its many forms. Wallace Tanner, an ardent admirer of R. L. Stevenson, and who thinks that "Treasure Island" is a financial report, accepted the office of secretary-treasurer. Mr. Tanner is also a member of the executive board of the A. S. S. M., being one of the two members at large elected by the Associated Students. Walter Snow, the Yellowstone shiek, and a connoisseur of Interpretive, Esthetic and Trigonometric Dancing, was elected a member of the dancing club, and with a struggle and not without the splendid qualifications of this junior, the associated students elected him president of the dancing club.

It is wonderful what friendships are formed at our institution. Take, for instance, the case of Wallace Tanner. He is busy every Tuesday and Thursday evening. Frequent Friday and Saturday evenings are likewise taken up. Even Sunday night is devoted to the purpose, not to mention Mondays and Wednesdays.

SOPHOMORE NOTES.

The field trip in plane surveying was made last summer by fifteen students of the sophomore class of the School of Mines. The party left Butte August 18, and spent nearly a month at Maiden Rock, returning to Butte on September 13. Professor A. E. Adams and his assistant, Elmer Caldwell, a last year graduate, accompanied the party.

Camp was located on a small island of the Big Hole river, a few hundred yards south of Maiden Rock. Meals were secured at Bennett's ranch, which contains the whole community of Maiden Rock.

It required only a short time for the fellows to get used to their new element and before long all became adept in the use of the instruments and in the process of doing accurate work. Although the work was extremely pleasant and interesting at times the patience of the crew was sorely tried by errors that required the repetition of various surveys. But the joys and sorrows blended well together and no member of the party regretted having taken the trip.

As diversions on Sundays and evenings, there was swimming, fishing, and baseball games. And as most of the party were baseball enthusiasts, that sport soon became the favorite. Nearly all the students took part in the ball games and the games were often close and consequently exciting. Fishing claimed the attention of some of the party and the most consistent of these were David Moore and C. B. Atkins. Nearly every day was a day of completion of the day's work a crowd of about seven fellows went swimming.

The field work consisted of a traverse survey, measurement of angles, soundings, and other observations, survey of mining claims, topographical survey, stadia and trigonometric survey, base line triangulation, wealth line and survey of ditch line, preliminary and location survey of a railroad. The work necessitated calculations in the field, and the recording of notes to be used in plotting the results on a map, the latter being done during this semester's work.

When the party left for Butte on September 13, they were somewhat sobered by the conclusion of the trip and the prospect of resuming school on the following Monday; but in everyone's heart and mind, memories remain of what they now regard as the best trip they ever had.


FRESHMAN NOTES.

We, members of the Freshman class, are glad to have this opportunity to publish our sentiments. We praise the cooperative effort of the people of Montana that has given to us such a wonderful institution as the School of Mines. We are thankful to be living in a day when educational ideals inspire the public, making higher education possible to us. It is a great privilege to be a student here, for with the constant thought that graduation from this school opens to us a wealth of opportunities both to improve our own conditions and also to beauty and augment the life of the people of the

(Continued on Page 4.)
FOOTBALL

UTAH AGGIES, 47—MINES, 0

The Mines dropped the first game of the season to the stalwart Utah Aggies on Oct. 11, at Logan, Utah, by a score of 47-0.

The game was characterized by an unusual number of blocked punts, this probably being due to a field made wet by a fall of snow during the game. The Mormons turned several blocked punts into touchdowns. In the second quarter, the Mines blocked an Aggie punt on the 10-yard line, and carried the ball to the 1-yard line, but lost it on downs.

Knowles, Sterling Anderson, and Leddington were stellar performers for the Aggies. Edgeberg made the largest single gain for the Mines, when he intercepted a forward pass and ran 20 yards to the Aggie 40-yard line.

The line-up was:

Aggies: Center—Langston
Jeffs—left guard—Anderson
Sanders—right guard—Mayo
Webster—right tackle—Hollister
Gardner—left guard—Schriever
Woodside—right end—J. Quinn
Love—left end—Ball
Leddington linebacker Thompson
Knowles—left halfback—W. Anderson
Right halfback—Wiegenspiel
Woolley (c) full back—Why"n'

Mines—Edgeberg for Warren, Bull off for Wiegenspiel, Stodden for Ball, Edgeberg for Loebkuecher, H. Quinn for Thompson.


Officials—Essler, referee; Harvey Ward, umpire; Norman Hamilton, head linesman.

COLLEGE IDAHO, 49—MINES, 7

The Mines lost the second game of the season to the College of Idaho, at Caldwell, Idaho, October 18, the score being 49 to 7.

The Coyotes of Idaho used the passing game effectively against the Miners. The latter were successful in counting seven points against the college also by using the forward pass. The large difference in the final score does not indicate the tenseness and interest of the game. The Miners started with two dangerous offensive in the first half, and were stopped only after long gains.

A series of passes, in the last quarter, carried the ball to the Idaho five-yard line. Progress was delayed by a fumble, but another Idaho fumble returned the ball to the Miners, and a pass from Edgeberg to Quinn put it over the line.

(Continued on Page 5.)
LIBRARY RECEIVES NEW BOOKS

A number of new books have been added to the library this summer. The following are the latest additions:

- College Physics—Reed and Guille
- Hydraulics—R. L. Daugherty
- Plan Reading and Quantity Surveying—Chas. F. Dingman
- Handbook of Electrical Methods
- Wiring Diagrams of Electrical Apparatus
- Armature Winding and Motor Repair—Braymer
- Connecting Induction Motors—Dudley
- Principles of Chemical Engineering—Walker Lewis, and McAdams
- Business for Engineers—Frank Allen
- Principles and Practice of Surveying—Breed and Hosmer
- Modern Tunnelling—Bruton and Davis
- Theoretical Metallurgy—R. S. Dean
- The Theory of Heat—Thos. Preston
- A Textbook of Geology, Vols. I and II—Amadeus Grubau
- Microscopic Examination of the Ore Minerals—Davy and Farnham
- Engineering Index for 1923
- Who's Who in America, 1924-1925
- The Organization of Industrial Scientific Research—C. E. K. Mees
- Engineering & Design
- Laws of Montana, Extraordinary Session of the 18th Assembly
- Geologic Structures—Bailey Willis

SENIORS TAKE 1,000-MILE GEOLOGY TRIP

(Continued from Page 1)
taken by a class at the school and much credit is due Prof. Ingalsbe, who arranged it.

Practically the entire first week was spent in the field, the class in the district just west of the school. The work was done by means of the plane table and the telescopic alidade. Among the various geologic features met with were the granite-ryholite contact, quartz feldspar, and xenoturbings. The district not only afforded an excellent type of geologic structure for doing detail work but it is a good introductory to the study of the Butte district which will be taken up in the course of economic and mining geology.

The beginning of the following week found operations shifted to the Philipsburg district, where the work was done by means of the plane table, the open-sight alidade, and contour maps. All the formations comprising the series from the Agonquian to the Quaternary as well as the granite batholith outcrop in the region. While in the territory, the class visited the manganite properties of the Philipsburg Mining Co., a trip through the Algonquin mine and through one of the large manganite mining areas being operated there.

The two future geologists completed the Philipsburg map Friday, Sept. 5, and the party left for Helena, which district was mapped by reconnaissance methods. Having become accustomed to the formations at Philipsburg, the work at Helena was comparatively rapid. The Brunton compass and contour maps were used in taking geology. A very interesting trip was to Hauser dam, where one of the Montana Power company's hydroelectric plants is located. The East Helena smelter was also visited and the metallurgy of lead, which is being taken up in the senior met course at the present time, was seen in action.

At Great Falls the A. C. M. Co.'s entire plant was examined. The copper metallurgical processes there are: the electrolytic copper refinery, the furnace refinery, the rolling mills, the cold mills, and the warehouse and standing department. The zinc metallurgical processes include roasting, leaching, electrolyzing, and casting. There are several substations furnished by the Montana Power Company.

The party continued in the vicinity of Great Falls and worked and was also visited. The Black-Eagle Falls, which supply some of the power used, are at the foot of the smelter. Next on the program was a visit to one of the mines of the Montana Power Co., at Great Falls of the Missouri. Here the vertical shaft type of generator with the turbine below the main floor is used. The dam gives a head of 110 feet. The trip continued eastward through Lewiston and Winnetto to the Cat Creek oil fields, where not only the geology was studied, but also numerous wells were visited and the methods of pumping, storing, and transporting the oil seen. These fields are the first in this country made driving interest for Prof. Ingalsbe and caused the characteristics of the Colorado shale to be long remembered by the seniors, who could be able to interpret this information anywhere in rainy weather.

Roundup proved to be an interesting town to stop over for a day and have the privilege of visiting the Roundup Coal Mining Co. The town has an average thickness of six feet and is mined by the room and pillar system. The product is automatically sized at the surface into the grades which are shipped by rail. The miners were surprised at the rapidity of the underground transportation, and many details which are not to be found at metal mines were observed. The party returned by way of Big Timber and Bozeman and arrived in Butte Sunday evening, Sept. 14, ready to enroll the following morning.

Registered Students Total 103.

The enrollment at the School of Mines this year consists of 103 registered students. Fifty-two of these students are freshmen. The sophomores number 24. Both upper classes are comparatively small, the juniors having four and the seniors nine members.

There are 14 unclassified students and of these eight are co-eds.

MONTANA CONFERENCE DISAGREES ON RULES

(Continued from Page 1)

ing the college year 1923-1924, except to make out schedules.

During the past summer, a new athletic board and a new director took charge of affairs at Mount St. Charles College, and started a vigorous movement to boost football there. Among the men who enrolled for the fall term were several who were transferring from other colleges, among them Mitchell, former Intermountain Union player, and Murphy and McCormick, former Mines athletes. These were protested by Montana State Colleges and Intermountain Union.

The reply of Mount St. Charles authorities was that they had no record of a gentlemens agreement at Bozeman, that they believed there were no grounds on which these men should be barred from athletics, that if they accepted an oral agreement they might be accused by any coach who gave his own interpretation to this agreement, and that they would insist upon using the men under dispute. They also suggested that a written agreement to this effect be taken to effect in the autumn of 1925.

After a conference at Bozeman, attended by representatives of Montana State College and Mount St. Charles, another meeting was arranged at Missoula. This was attended by Dean Lemon of Intermountain Union, Coach Maher and Father McVeigh of Mount St. Charles, Coach Romney of Montana State College, and Coach McAuliffe and Prof. S. S. Money of Mines. At this meeting the minutes of the 1923 Bozeman meeting were read showing the discussion and attitude of those present at that meeting.

The question was taken up by the athletic board, consisting of President Craven, Coach McAuliffe and the executive committee of the Associated Students of the School of Mines. The question brought out distinct differences of opinion. Then the question was taken up by the athletic board, consisting of President Craven, Coach McAuliffe and the executive committee of the Associated Students of the School of Mines. The question brought out distinct differences of opinion. It was finally decided to play the game as scheduled by oral agreement for November 8, 1924, and point out to Mount St. Charles that the position involves certain inconsistencies in the matter of oral agreements with regard to using the lettermen in dispute.

Montana State University played its scheduled game with Mount St. Charles on October 11, and the University Freshmen also played Mount St. Charles on October 18. At the Boze-

man conference, the University declined to join a Montana association, and is entirely free to do as it wishes.

FRESHMAN NOTES.

(Continued from Page 2)

world, we shall be steadfast in our purpose to the end.

We submit ourselves to the wisdom of our teachers, realizing the delights to be derived in the use of our minds, and in the exercise of our higher natures. We greet the upper classmen, assuring them that we are happy to be in their society, and we agree to consider the words of cheer spoken to us by Chancellor Brannon. We realize that we are here for a serious purpose.

We guarantee that not only will we succeed in our studies, but also athletics will receive our due attention. It is our desire to share in all student activities in the school.

The first class meeting was held on Oct. 9. The following officers were elected: Robert Downing, president; E. L. Haggerty, vice-president; Miss Jane Freund, secretary; R. Bailey, treasurer; Miss Andree McDonald and T. Rowe, representatives on the Dancing Club.

We assert the right, of course, to advertise our victory when the freshmen stayed the batting Sophomores on Sept. 29, climbed the greased pole in the middle of Main Hall, tore down the white and unfurled the green. We added, however, the game gospels, who are fewer in number, but still we claim the victory.

CO-ED NOTES

The co-eds saw at this year's first meeting of the Co-Ed Club, which was called to order by the homecoming chairman, that they were not pioneers in invading a school which, it might be supposed, was exclusively for men. The Co-Ed Club boasts a large membership, made up of former and present students.

Miss Dorothy Cohen, who is attending school now, was elected chairman of the club. Miss Margaret McNathan, a student last year, was chosen secretary-treasurer. The mem-

bers present were: Mrs. W. T. Scott, Mrs. W. G. Graven, Mrs. C. L. Wilson, Mrs. A. E. Adami, Mrs. C. M. Blackburn, Mrs. Roach, Miss Dorothy Cohen, Miss Margaret McNathan, Miss Jane Freund, Miss Catherine Leary, Miss Andree McDonald, Miss Effie Emenger, Miss Claudia Woodward, Miss Catherine Arthur, Miss Ethelyn Culbertson, Miss Dolores Cramer, Miss Bloninger, Miss Florence Gordon, Miss Alice Angove.

The A. S. S. M. elected Miss Catherine Leary, secretary-treasurer, of the Dancing Club.

A spirit of chivalry possibly prompted the freshmen to elect two co-eds to class offices. Miss Jane Freund was elected secretary, and Miss Andree McDonald was chosen to represent the club on the dancing club.
MINES DEVELOPING
LIGHT BUT FAST SQUAD
(Continued from Page 1)
images, which gradually grew in intensity.

On October 7th, a scrimmage was had with Central High School. Several
weak points were made evident in this friendly struggle with the high
school boys. Another scrimmage was arranged for the next afternoon with
Butte High School. This was the first scrimmage before the first game
of the season, which was with the Utah Aggies, at Logan, Utah, on October 11th.

Although the Mines has a light
bunch, the squad looks promising. On
the line there are "Swede" Anderson
and Donald Mayo, guards, while
"Bus" Warner and Langston are compet-
ing for the center position. "Dutch"
Schrieber, of Miles City, and Hollister
of Harlown are leading the field for
the tackle jobs but they are closely
followed by Hindrickson, Selfridge,
H. Quinn, "Brick" Martin, and Crow-
ley, all of Butte. On the ends are
our flashy Captain "Jock" Quinn who
is going better than ever, and Ray
Ball, with Stodden of Butte keeping the
two alert to hold down their jobs.

The backfield consists of Thompson,
quartback; Warren and Wiegenstein.

Spokane Cafe
17 So. Main
Good, Wholesome Food at Popular Prices
MERCHANTS' LUNCH
From 11:30 to 2:00
35c

half-backs; and Cox, fullback. H. O.
Egeberg, Stratton Orange, Bullwinkle,
and Lebkicker, are disputing with the
others for the positions in the back
field.

The schedule for the season includes
games with the following teams: Utah
Aggies, College of Idaho, Montana
University, Montana State College,
Idaho Tech, Mount St. Charles, and
Intermountain Union.

FOOTBALL
(Continued from Page 3)
The lineup was:

Idaho
C. Robinson...... C. Lagston
Mines
Dicus........ Left Guard
Stovel............... Right Guard
Walker............... Left Tackle
Logue............... Right Tackle
Hostetter........ Left End
D. Lowell......... Right End
Springer........ Quarterback
Wood............... Left Halfback
E. Lowell........ Wiegenstein
F. Robinson....... Cox

Substitutes: College of Idaho—Reins
for C. Robinson, Campbell for Discus,
Stevens for Stovel, Hill for Walker,
Preston for Logue, Rowland for
Springer, Springer for Rowland, Mc-
Cormick for F. Robinson, Albertson
for D. Lowell. Montana Mines—
Wiegenstein for Quinn, Quinn for
Wiegenstein, Wiegenstein for Ball,
Warner for Langston.
ENGINEERING EDUCATION

All things are judged largely by their results. The curriculum of an educational institution can only be judged as it fails or succeeds in accomplishing its purpose. That the training given in the Montana State School of Mines has enabled its graduates to practice their profession with success is unquestioned. Our register of graduates and the number of its names ranking high in the field show that.

More and more, however, it is becoming realized that the product of our school is not engineers, but the stuff of which engineers are made. By reason of his school training our graduate can qualify for any position such as surveyor, assayer, sampler, or draughtsman. But beyond such qualification our curriculum can not hope to go. It can not as a rule train men immediately capable of planning the development and equipment of mining or metallurgical property. Mine management is a business requiring a knowledge that can be acquired only through experience gained in subordinate positions. What the School of Mines does attempt to do is to give its graduates a foundation on which to build.

In order to judge adequately the usefulness of this foundation we would welcome constructive criticism from the alumni. We hope we shall hear from our graduates the answer to the question, "What subjects of your course do you think were of greatest value to you in your work? What subjects do you regret were not more emphasized? Have you been able to use the practical training given in this school in your professional work?" We welcome constructive criticism from all graduates of the School of Mines. Those who have been omitted? What might have been added? What suggestions would you alumni offer in order that the courses of yesterday and today may be excellence by the courses of tomorrow? We offer here a discussion of mining education in general as it relates to our own school.

In this discovery and prospecting of mineral deposits a knowledge of economic geology is essential. As a preliminary foundation a knowledge of general geology is necessary. Required for this in turn are topographical surveying, mineralogy, and descriptive geography. After these subjects mathematics, physics, chemistry, and mechanical drawing are prerequisites. Likewise in the treatment of ores these subjects are by far the most important as, indeed, they should be—for all engineering is applied science.

All educated engineers must also have some, better, a great deal, of knowledge beyond the field of science. Fluency of expression in written and oral English is an essential whose value must not be disregarded. An engineer must not only have knowledge, but he must be able to convey his information to others. Also, as all mining and metallurgical engineering has its commercial side, a knowledge of economics is necessary, while in dealing with labor and with capital a knowledge of industrial history and sociology is useful. Because the trail of the engineering profession leads so often to other lands, knowledge of foreign languages is desirable.

How much of broad, general knowledge and intensive technical training is included in our courses in mining engineering and in metallurgical engineering? What subjects of your day have been of most value to you later? Upon what subjects and how many of the profession should the greatest emphasis be laid? Alumni, let us have your reactions. Let every man do his bit today to maintain the greatest mining school in the world at the peak of its efficiency.

HILL HELD FOR RANSOM

William J. Hill, '16, superintendent, Societe des Mines de Matracl, Inde, Durango, Mexico, has again experienced the dangers of a Mexican revolution, as chronicled in a special staff telegram from Excelsior's New York office:

"New York, July 13.—A Paris despatch to the New York Herald Tribune says that William Golzon has sought permission from the Minister of Finance to export a thousand dollars destined for Durango, Mexico, to pay the ransom demanded by the bandits who kidnapped W. J. Hill, manager of the Matraca Mining company.

"Although the despatch of this telegram is not looked upon with fear, it is possible that it might be used to foster revolutionary movements, it is likely that Golzon will eventually obtain the permission he seeks."

LANDWEHR ON HITACHI COPPER DEPOSITS


"It is a beautifully prepared account covering geological formations, structure, and texture of the ore deposits, mineral relations, relations between dynamic metamorphism and structure of ore deposits, relation between ore deposits and rock alteration, and the relation between ore deposits and igneous rocks, with maps and microphotographs. Walter Landwehr, '22, is geologist at the Mascot Mine, Hailey, Idaho."

PANNINGS

Vane Mason, '16, has resigned as research engineer with the Anaconda company at Butte and is now in the city engineer's office, Seattle, Washington.

William Mowbray, '22, has given up the chemist's work at the Washoe Reduction Works at Anaconda and has been the Butte district for the Fuller Brush company.

Julius M. Amberson, '21, has been entirely successful in the study of medicine at Chicago and has returned for his last year after spending a large part of his summer vacation visiting in Butte.

Murl H. Gidel, '12, of the Geological department, Anaconda Copper Mining company, spent part of his vacation visiting George Fowler at Salt Lake. He says George is jovial and happy as usual.

Maurice Taylor, '21, who was with the Anaconda company at the Original mine is now in the assaying department of the International Smelting company at Tooele, Utah. Ellis Frink, '22, is also at Tooele. Good sports in good company.

Arthur DeCelles, '24, and Charlie Harmon, '23, left Butte by auto, Oct. 12, for points in Arizona. They were formerly connected with the engineering department of the Elm Orih Mining Co.

Theodore Pilger, '12, has been appointed trade commissioners to the Berlin office of the bureau of foreign and domestic commerce. Mr. Pilger previously had charge of construction for the Butte and Superior Mining Co. and later he was sales engineer for the Allis Chalmers Co., with headquarters in New York City.

Donald D. MacLeod, '22, who has been with the South American Development company for two years, at Guayaquil, Ecuador, S. A., has returned to New York and is taking graduate geology at Columbia University. He is at International House, Riverside Drive.

International House opened its doors to foreign students September 15th to be the home of men and women from all corners of the world and has many unique features. It is an effort to furnish foreign students contact with each other and with Americans and their reaction has been responsive and eager. They come from Japan, China, Norway, Finland, Russia, Australia, New Zealand, and the Pacific islands, as well as Africa and the Americas.

In the membership of the club practically all creeds are counted—Brahminism, Buddhism, all sects of Christianity, Confucianism, Judaism, Hinduism, Mahommedism, and Zoroastranism. The purpose, carried on in stone above the doorway, is, "That Brotherhood May Prevail."