The Acropolitan - v. 8, no. 5

Associated Students of the Montana State School of Mines
Montana S. of E. Presents Medal

William M. Cobleigh, dean of engineers at the Montana State College and president of the Society, will make the award. The medal will be presented at the Commencement exercises on June 6th, held at the Mines gymnasium.

"MAGMA" DEDICATED TO DR. KOENIG

In recognition of his comprehensive knowledge, his ability to impart it and his patient and impartial attitude toward the student, this book is respectfully dedicated to

DR. A. E. KOENIG

The Acropolis

A MONTHLY PUBLICATION BY THE MONTANA SCHOOL OF MINES

VOLUME 8  BUTTE, MONTANA, JUNE 6, 1930  NUMBER 5

Dr. Geo. Otis Smith

Guest of Local A.I.M.E.

Dr. Dr. Geo. Otis Smith, director of the U. S. G. S. Guest of Honor at the Silver Bow Club—Junior Promenade Is Outstanding Affair.

A dinner at the Silver Bow Club was given last night by the members of the Montana Section of the American Institute of Mining and Metallurgical Engineers in honor of Dr. George Otis Smith.

Immediately after the dinner the party journeyed to the school gymnasium, where everyone enjoyed dancing at the annual junior class promenade given in honor of the graduating students. Patrons and patrotesses for the dance were:

Governor and Mrs. J. E. Erickson, Chancellor and Mrs. M. A. Brannon, Mr. and Mrs. J. R. Hobbins, Mr. and Mrs. F. M. Kerr Beadle, Mr. and Mrs. J. C. Ryan and Mr. and Mrs. F. M. Kerr.

Dr. Smith, director of the United States Geological Survey, Washington, D. C., will deliver the commencement address to the eight graduating Mines seniors on Friday, June 6th. Members of the graduating class to whom Chancellor M. A. Brannon will present degrees are:

John O. Groh, bachelor of science and master of science in ore dressing; Louis S. Nuckols, bachelor of science and master of geology; John J. O'Connor, junior in metallurgical and mineral engineering; Noah D. Gershevsky of Samara, Russia, also a bachelor of science in metallurgical engineering.

Dr. C. H. Clapp, president of the State University and former president of the School of Mines, is expected to be present for the commencement exercises.

In the "foreword" it is brought out that previous issues of the Montana School of Mines Year Book have been named "The M." The word "Magma" has been chosen because magmas lie at the base of the entire metalliferous industry. The geologist searches for the ore deposits of which the magma is the parent, the miner extracts the minerals derived from the magma, and the problems of the metallurgist are dependent upon the particular mixture of minerals which the magmatic solutions deposited. Therefore, the name "Magma" seems especially fitting for the year book published by a college which confers degrees in geology, mining, and metallurgy.

The book is one great surprise from cover to cover and unlimited amount of credit must go to the staff who so diligently worked in making this THE ONE outstanding junior class publication. The book is entirely different from any ever published by the school, and is extremely interesting throughout.

As you read the pages you cannot help but realize the note of optimism and the support of the Bull Con Mining Company. The "Melville" is the new name for the Bull Con Mine of the Bull Con Mining Company. The book does everything to boost the "Freeberg of America"—Where Theory and Practice Meet.
M. S. M. MUSEUM OF MINERALOGY

ONE of the outstanding accomplishments for the school year 1929-30 is the transfer of the geological and mineralogical museum from the third floor to the ground floor of the main building, and the reorganization of the collection into associated and related groups.

The new location is a large well-lighted room directly in front of the main entrance, easily entered, and open at all times to students and visitors alike. All specimens in the museum are in glass cases, and the reorganization is such that visitors interested in any particular group of minerals, rocks or fossils may examine them collectively. The transfer to the new location was initiated and directed by Dr. Eugene S. Perry, head of the department of Geology, and was made possible through the encouragement, help and excellent suggestions given by President Francis A. Thomson, Mr. John E. Blixt, junior student assistant, has worked diligently at arranging and placing specimens.

The School of Mines museum is of long standing. Dr. A. N. Winchell, first head of the department of Geology, began the collection in 1900 thru the purchase of specimens and exchange of Butte ores for those of other localities. Room 3 in the main building became the first museum show room. During the next five years the collection became too extensive for this room and cases were set in halls and various other places. In 1906, Dr. Francis Church Lincoln became head of the department of Geology and the cases were again assembled into a large room. Dr. Lincoln was active in collecting material and again through the lack of space specimen cases were once more in the halls. In 1911 Professor D. C. Bard took the position vacated by Lincoln. Professor Bard, seeing the desirability of having the museum in one room, choose the large north room on the third floor used at that time as a freshman drafting room. The mine models, of which there were several, were placed in the south room on the third floor. During the 18 years intervening between 1911 and 1929, the entire geological and mineralogical museum has remained on the third floor. During this time it was substantially added to by Professor Bard from 1911 to 1916, and by Dr. C. H. Chapp, then president of the School of Mines, from 1916 to 1920.

In 1910 a very choice collection of minerals was deposited at the School of Mines by a most ardent collector, Mr. Pondorf. The school purchased four large glass cases for the display of the specimens. These cases at once became the most attractive in the collection. In 1924, after the death of Mr. Pondorf, a misunderstanding arose regarding ownership of the collection. The difficulty seems to have been that all transactions had been verbal and the school had no legal claim to the minerals. During the summer of 1926 the Pondorf collection was taken from the school museum and has since been stored. It is hoped that some time soon this collection of minerals will be returned to the museum in which Mr. Pondorf intended it should be displayed.

The present arrangement of the museum divides the specimens into more than a dozen different groups, some of which correspond to text book classifications. One collection exhibits the economic minerals of Montana and another exhibits the minerals of Butte. Other groups of specimens are coal, petroleum and oil shale; fillings of fissures in rocks both by lava and by vein material; structural forms of rocks brought about by earth movements; concretions and geodes; also natural crystals and crystal clusters demonstrating the various forms of each of the crystal systems. Fossil forms are arranged both in accordance to geological age and in accordance to type of life form. Still other materials exhibited are meteorites, types of volcanic products, and structures developed by shallow water deposition such as ripple marks and suncracks.

The school purchased from the Pondorf collection almost all the material that can be depended upon to fulfill the requirements of such a document. The economic minerals of the School of Mines are all exhibited. Fossil forms are also represented.

The School of Mines museum invites you to familiarize yourself with this collection of minerals from the four corners of the earth.

ALUMNI ASSOCIATION ELECTS OFFICERS

On June 2nd the Alumni of the Montana School of Mines met at the Y. M. C. A. and elected the following officers for the year 1930-1931:

President, Edward G. Kanipe.
First Vice-President, C. F. Milkwick.
Second Vice-President, Francis Curran.
Secretary and Treasurer, A. E. Adams.

Executive Committee, three-year term, George F. Vivian, John Norton, Murl Gidel.

The annual election of officers for 1930-1931 of the Associated Students of the School of Mines was held May 16th, with an unusually heavy vote cast.

Arthur Wilson, of Fon du Lac, Wis., was elected president, and thus will succeed John O. Groh, who will receive his M. S. degree. Mr. Wilson has been very popular at the School of Mines, and the students last year electing him student manager. John E. Blixt, of Kensington, Minn., this year's editor of the Acropolitan, will succeed Allen Engelhardt as vice-president; Charles Trueworthy of Butte was elected secretary, replacing John E. Blixt, who held that office for 1929-1930. Candidates running against those elected were Gene Little for president and Roy Larsen for vice-president, Trueworthy being unopposed for secretary.

Due to the inadequacy of the constitution to provide for the election of a student manager in case of ineligibility of the candidates, the election of the manager has been postponed until the beginning of next school year. Before the election, however, a new constitution will be drawn up—one that can be depended upon to fulfill the requirements of such a document. The executive committee manager for the Acropolitan will be appointed by the executive committee at the first meeting next September.

THE MIGHTY DINOSAUR

Behold the mighty Dinosaur, Famous in prehistoric lore, Not only for his mighty weight and length, But for his intellectual strength. You will observe by these remains The creature had two sets of brains; One in his head (the usual place) The other at his spinal base. Thus, he could reason a priori As well as posteriorly. No problem bothered him a bit He made both head and tail of it. So wise he was, so wise and solemn He gazed upon this model beast, Behold the mighty Dinosaur, Famous in prehistoric lore.

The annual election of officers for 1930-1931 of the Associated Students of the School of Mines was held May 16th, with an unusually heavy vote cast.

Flapper: "Ditto: 'No! Whenever I pass him I give him the geological survey.'"

Ditto: "Yes, that's what is commonly known as the stony stare."
The silver tariff, adopted in the Senate after a strenuous campaign by the western mining industry, was defeated in the House by a vote of 206 to 72. This decisive vote followed the action of the Jewelers’ Protective Committee, representing eastern silverware manufacturers, in circulating throughout the membership of Congress arguments against the tariff, including the broadside of a New York mining paper.

The opposition was assisted, however, by Congressman W. C. Hawley of Oregon, chairman of the House, and Speaker of the House, who ignored telegrams sent by Oregon mining men throughout the membership of Congress. There was a strong feeling that the tariff bill would be defeated.

The opposition was also aided by Congressman Colton of Utah, Arentz of Nevada, Eaton of Colorado, Hill of Washington, and Englebright of California. The silver tariff, adopted in the Senate by a vote of 72, was defeated in the House by a vote of 206 to 72.

Rambles of Madam X

Dear Engineers of the School of Mines:

I am going to write you a few lines "specialty for the purpose of saying "aloha" for the summer.

Unless I am entirely mistaken, I know that none of you are planning on resting during vacation. Instead, you are all planning to go to parts heretofore unseen. The idea of going away down there to the base of the letter. The fresh-air idea of the mining schools is the perfect place to have your "aloha" for the summer.

"SILVER CRISIS"

The silver tariff, adopted in the Senate after a strenuous campaign by the western mining industry, was defeated in the House by a vote of 206 to 72. This decisive vote followed the action of the Jewelers’ Protective Committee, representing eastern silverware manufacturers, in circulating throughout the membership of Congress arguments against the tariff, including the broadside of a New York mining paper.

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On the second Wednesday in May, the block “M” got its annual whitewashing by the junior and senior classes. Previous to this year it had been the custom to have the sophomores and freshmen “pack” the water up the hill to the base of the letter. The fresh-air idea of the mining schools is the perfect place to have your "aloha" for the summer.

But—Columbus took a chance—so why not?

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IT IS EVIDENT that injustice has been done in the editorial on "Fair Grades" which appeared in the Acropolis published on May 2, 1930.
Due to misunderstanding in the grading system used, the writer has made a misinterpretation and wishes it to be known to the readers of the School paper that no reflection of any sort be cast upon any instructor.

The following illustrates the grading system being carried out at the School:
If, at the end of six weeks, a student's grade is 50 per cent, and if, during the second six weeks the grade is 100 per cent, the average grade at the end of 12 weeks is 75 per cent, which entitles a student to a grade of D, indicating unsatisfactory work for the 12-week period, for which he does not receive any grade points should this grade be maintained until the end of the term.

DON'T BLOCK THE WHEELS OF JOY
When smilling Progress comes along
Be cheerful and you'll find that friends
Some fellows always wear a frown
Don't let your mind get soaked with grief!

A constant frown will keep you down
And block their wheels of joy.
A choice of novels is a choice limited
As desirable a trait as it ever was.
Yet, with all the personality which a
And block the wheels of joy.

A constant frown will keep you down
And block their wheels of joy.
A choice of novels is a choice limited
As desirable a trait as it ever was.
Yet, with all the personality which a
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And block the wheels of joy.
M. S. M. Class Graduates

Practical Experience for Mining Students

"The chief objection that most employers have to college graduates is that they don't know anything; meaning, of course, that they have no practical knowledge, thus giving the employer an excuse to start them on a nominal salary. In recent years, the technical graduate has offended less in this respect, for usually he has had one or more summers of practical experience. In fact, some colleges require practical experience in the chosen field before a diploma is granted," according to the Engineering and Mining Journal of New York in a recent editorial. The "Journal," as it is familiarly known in the mining profession, proceeds, however, to point out that the Butte unit of the Greater University of Montana is meeting this objection from employers in a distinctly constructive manner. The editorial proceeds:

"A particularly favorable condition exists at Butte, Montana, whereby regular practical work and opportunity to make a little money are assured the students at the Montana School of Mines, through the co-operation of the Anaconda Company. Several scores of students are taken on at the various mines for two shifts a week, on Friday and Saturday nights, when the work will not interfere with regular classes the next day. They are paid at the regular wage of $5.50 per shift, and given various duties underground and on the surface that will give them an opportunity to see the practical application of what Doctor Thomson and his associates have taught them in the classroom. The work varies. A student may be far underground manipulating a shovel or a drill one week-end, and perhaps on the surface pulling cars off a skip the next. But, after a year or more of this experience, he is no longer a green college graduate when he leaves school.

"Other schools near mining and metallurgical centers could well institute a similar practice. Most of the large and progressive mining companies would probably be willing to co-operate."
Juniors Report
Successful Trip

May 29 found the juniors back from the 10-day inspection trip about the State from which a wide variety of knowledge was obtained. The students making up the party were the miners, namely, Arthur Wilson, Forrest Majors, Gailes Vandel and Allen Engelhardt; metallurgists, Harold Johns, Ross Henry, Stanley Williams, and Eugene Little; geologists, Donald Shyette, James McCourt, Lee Roy Matlock, and John Blixt. Another miner, Joseph Harrington, having previously made a similar trip, was not a member of the group. Professor A. E. Adami and Dr. E. S. Perry were in charge of the party.

As the trip was made by auto an unusual opportunity presented itself in that the entire geological column of Montana could be studied from the Belt formation of pre-Cambrian age to the recent lake beds. Numerous stops were made along the road wherever the class wished to make a closer detailed study of the formations. In several places such as in the Three Forks' Canyon, at the Devil's Basin, and the Cat Creek Anticline, "Picture Book" dips and oil structures were studied by the party.

At Trident the cement plant was inspected. This plant makes cement from "cement rock" containing proper amount of limestone and clay. The officials of the company invited the class to dinner and "full justice" was done to the meal by the hungry Miners.

From Trident the group journeyed by way of Bozeman and Billings to Roundup and Cline. Here the boys went underground and saw the mining methods of a coal camp, which proved very interesting as it differs so greatly from the metal mining in Butte with which they are all thoroughly familiar.

From the coal fields the boys went to the Cat Creek oil field and studied the methods of drilling, pumping the wells, and also a method whereby air is forced into the oil sand thus one well casing, causing an increase of the production of oil in the neighboring wells.

They next journeyed by way of Lewistown to Hughesville, where an up-to-date flotation mill is in operation. Here also they dined with the St. Joe Lead mine and mill officials and shook hands with Jacob Brunner, a last year's Mines graduate employed at the mill.

From Hughesville they went to Great Falls and again encountered four former Mines graduates, Mr. Leonard O. Walde, Jack Nuckols, R. W. Neshitt, and Frank Morgan, who, through the courtesy of the A. C. M. Co., acted as guides for the day in the copper refinery, electrolytic zinc plant and works. At Great Falls Dr. Curtis L. Wilson, professor of Metallurgy at the Mines, and Dr. Will V. Norris, joined the party. The immense up-to-date power plants of the Montana Power Company were inspected on the second day. Both the Montana Power Company and the Anaconda Copper Mining Company were hosts to luncheons while the plants were being visited.

Helena proved to be the next stopping place, where the interesting lead smelters of the American Smelting and Refining Company was visited. From here a side trip was made to the famous Spring Hill gold mine and the boys had the opportunity of going underground and studying the mining methods. Later they inspected the flotation mill in connection.

This concluded the itinerary and the party motored to Butte, the students and instructors alike feeling well pleased with the results of the trip, as it brought home to them some very significant facts concerning the trend of modern engineering methods.

Fine weather prevailed throughout the trip and the party was impressed with the excellent condition of the roads. The importance of engineering in highway construction was demonstrated by the excellent manner in which the grades and alignments of the new state highways are put in.

The college is indebted to the management of the plants visited for the hospitality and consideration shown the students during their inspection of the different plants and mines.

It is said that eating onions prevents lip rouge from coming off.

Compliments of the
Chequamegon Cafe
Butte Helena

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ANDERSON-CARLISLE IS REORGANIZED

(Continued from page 1)

secretary, Gailen Vandel; treasurer, Allen Engelhardt.

The purpose of the Society is really three-fold, that is: To continue the affiliated society of the A. I. M. E.; to foster the exchange of technical information pertaining to Mining, Metallurgy and Geology; to develop and create in its members the ability to prepare and present technical papers in a clear and concise manner. It is also possible that the Society will take a part in securing speakers for the technical lectures that have been given at the school on Tuesday evenings.

There is no doubt that the benefits derived by the students from the Society will be many. The experience and practice of presenting a technical paper before a group is perhaps the greatest one. In the true technical school there seems to be lacking the chance for the student to get the much needed practice in public speaking and in presenting papers before an assembly that will in part be severely criticizing.

On the evening of May 6th, a meeting of the Society was had at the Thornton hotel and a dinner given. The meeting consisted of the election of officers for the following year, the results being as follows: President, Al Engelhardt; vice-president, Arthur Wilson; secretary, Joe Harrington, and treasurer, Stanley Williams. Following this, Joe Newton, president, acting as toastmaster, called upon Dr. Curtis L. Wilson for an explanation of the original Anderson-Carlisle Society, of which he was one of the old members.

With the affairs of business out of the way, Mr. Newton introduced the speaker of the evening, Mr. R. B. Caples of Great Falls, who gave an interesting and educational paper on "The Buying and Selling of Zinc Concentrates." At the close of his address, questions were answered, followed by discussion.

The prospects are very bright for a very active following year within the Society. Several members have already been notified regarding papers to be presented at the first few meetings of the school year.

Now, Now!

"What's the difference between a co-ed and a working girl?"
"Well, what the co-ed learns from books on biology, the working girl has to get from experience."

Oh, Ethyl!

"I'm through with Freddy."
"How come, dearie?"
"I heard him telling Jack that he tried out Ethyl in his Buick last evening."

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Junior upon inquiry as to rates: scows.

Ior e he joined the Mets at mid semester, since then it's been all wrong.

the disgust of the miners, geologists, referred to above has been purposely "Z-hour" exam.

arid mine offic~ , omitted for obvious reasons.

end."

fossil" of the trip, a pelecypod, rightly

fines from 'the undercutting machine at

honor. He also found a "fossil" foot

will be known as the cellar.

"fox Passes:" "Is it raining up-

liams, one of the notorious Mets,

Roundup, and it took the coal miners

Plainly see the imprint of five toes.

merely that of Eohippus, the missing

be-

"Rid," -true to form, found the first·

that is a coal bed of the famous Fort

Union coal measures." Cripes-and it

rado shale.

The old man's oiling the shotgun,

Will someone kindly ask the co-eds

Piggy "T. W." McCourt most graci-

Piggy "T. W." McCourt most graci-

Hughesvil1e one of the mill men in

"Grizz Ike" Henry came out second

"Grizz Ike" Henry came out second

"Grizz Ike" used to be O. K. be-

were's oiling the shotgun,

Two Places to Eat

HOME and Here

Creamery Cafe

19 West Broadway

Where Everybody Meets

THE MUCK PILE
or
JUNIOR BLAH BLAH

Hotel clerk, to School of Mines' juniors upon inquiry as to rates:

"$1.00 with bath, 85c without."

Unanimous response: "We'll take ours without, cleanliness comes sec-

ond."

Upon being shown a fossil turtle in the coal mine the Mets immediately

commenced to pick off 4-inch samples of the shell to bring back to Butte

friends. The turtle now, instead of being in place, is in places, much to

the disgust of the miners, geologists, and mine officials.

Yeh, and then a fellow, another Met by the way, walked into 440 volts-

it and he hit the mud; but they'll learn—even "Brassie."

"Pfid," true to form, found the first

fossil of the trip, a pelecypod, rightly
named Bivalves Wilsonites in his

honor. He also found a "fossil" foot

imprint of Brontosaurus, the only one

ever found in the Fort Union forma-

tion. "Piggy" McCourt denies the

identity and claims the footprint is

merely that of Eohippus, the missing

five-toed horse. For a fact you can

plainly see the imprint of five toes.

"Bruto" Majors gummed the works

when he attempted to shovel away the

fines from the undercutting machine at

Roundup, and it took the coal miners

a good hour to undo the damage. The

metal miners looked good in the

Roundup coal mines.

While in the coal mine, Stan Wil-

liams, one of the notorious Mets,
brought forth another of his famous

"Fox Passes." "Is it raining up-

stairs?" In a short time the sump

will be known as the cellar.

"Grizz Ike" Henry came out second

heat in the argument with a runaway

coal cat. Grizz used to be O. K. be-

fore he joined the Mets at mid semes-

ter, since then it's been all wrong.

Fat Matlock and Pig McCourt

should make wonderful Town Criers

as the trip gave them wonderful ex-

perience. They didn't like the way

Blitz skidded around the corners and

threw out the clutch while going down

tails. Together they cried enough to

float one of Pid's small Fon du Lac

scows.

Met, to official at a Great Falls

power plant! "Is this water still good

for irrigation purposes after all the

electricity has been removed?"

Someone who appreciated the joke

told it to Helen Karsted, who innoc-

ently replied, "I never knew there

was any electricity in water before—"

and then the shovel broke.

Note—The name of the metallurgist

referred to above has been purposely

omitted for obvious reasons.

I'm ashamed to print this one, but you again sometime.

Will someone kindly ask the co-eds to wash the six weeks dirty dishes in

the Acropolis office or else throw

them outside.

The seniors are working hard every
day on their Theses and that is no

joke.

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