1-11-1924

The Acropolitan - v. 1, no. 2

Associated Students of the Montana State School of Mines
ORE Diggers Trim Idaho Hoopsters
Miners Show Exceptional Form in Their First Contest.

The Ore Diggers opened their 1924 basketball season by defeating Ricks college of Idaho by a score of 17 to 12. The game was a hard fought contest, and was featured by close guarding on both sides.

The Miners took the lead early in the first half, when Murphy hung up a field counter. The lead, once taken, was not overcome, but in the second half the Idahoans threatened, with the score at that time 12 to 15.

The first half was started by Murphy with a field basket, which he soon repeated. A little later Wilcox started the counting for Ricks. Egeberg and Walsh each shot a basket. Then Murphy added two more. Wilcox scored another and a little later converted a free throw into a point. Minson also got a field basket for Ricks college. Havey finished scoring the period with a long toss.

Score at the end of first half, Mines 12, Ricks College 7.

The second half was well under way before Egeberg started the scoring for the Miners. Soon after Hanks and Workman each threw a field goal for the Gem Staters. Havey scored another, and a little later converted a free throw into a point. Minson also got a field basket for Ricks college. Havey finished scoring the period with a long toss.

Field baskets: Murphy 4, Havey 2, Egeberg 2, Walsh 1, Wilcox 6, Hanks 1.
Free throws: Wilcox 2, Havey 1.
Referee: Ladig, Mines.
Umpire: Zundel.

FOOTBALL FOR NEXT YEAR ARRANGED
College Athletic Officials Meet in Helena.

At a conference held at the Place Hotel in Helena, the various colleges of Montana made out the schedules for their respective athletic teams for the ensuing year. Professor Lemmon of the Intermountain Union College, of Helena, acted as chairman of the meeting, during which basketball schedules for the present season were discussed and the football games for the ensuing year were agreed upon.

The Mines secured a good schedule, which promises some very exciting games, the majority of which are to be played in Butte. Of the seven games already arranged for, five will be played on our home grounds. Among these will be a lively clash with the Grizzlies, and an equally exciting game with the Bobcats. The schedule was outlined as follows:

Football Season, 1924.
Oct. 1—Open.
Oct. 4—Open.
Oct. 11—Utah Aggies, in Logan, Utah.
Oct. 25—University of Montana, in Butte.
Oct. 31—Intermountain Union, in Butte.
Nov. 7—Mount St. Charles, in Butte.
Nov. 11—Idaho Tech., in Butte.
Nov. 22—Montana State College, in Butte.

PROFESSOR SIMONS COMPLETES TECHNICAL TREATISE
Book on Ore Dressing Off Press Latter Part of Month.

A treatise, in the nature of a text book, has been compiled by Professor Theodore Simons. It is entitled "Ore Dressing Principles and Practice," and will be ready for distribution through the publishers the latter part of this month.

The book has been written largely as a result of requests made by former students and practicing engineers to Professor Simons in an endeavor to persuade him to place his classroom lectures and discourses on this subject in book form.

As the title implies, the book deals fundamentally with ore dressing principles, and considerable attention is given to a discussion of the most modern types of milling machinery. Various manufacturers have contributed illustrations and descriptive material concerning their machines, but the major portion of the book has been compiled from the wide scope of knowledge gained by the author by practical experience and through a specialized study of ore dressing problems and mill design.

The book is being published by the McGraw-Hill Book Company, of New York City, and its advisor speaks highly of it, with assurance of a wide distribution.

This is the second book written by Professor Simons and published by the McGraw-Hill Company. The first, of which two editions were printed, is entitled "Compressed Air," and ranks among the foremost treatises of its kind.
The Acropolitan

Published monthly by the Associated Students of the Montana State School of Mines. Subscription Price $1.00 per year

STAFF

Editor-in-Chief: A. E. DeColles
Associate Editor: Joseph Rudolph
Sport Editor: Michael Walsh

Managerial

Business Manager: A. W. Hutchinson

Organizations

Seniors: Steve Giulio
Juniors: Lewis Marick
Freshmen: Albert Wiegenstein

HOW ABOUT IT?

Last month, two lectures of a technical and progressive character were delivered to the student body. Discussions of this type have a particularly distinct value to the student, in that he unconsciously correlates the concrete substance of such a discourse with the more or less routine and abstract elements of his academic work. Such discourses show the absolute need of limitation of his individual study to modern engineering practice. The student’s realization of this directly stimulates interest in specialization.

Perhaps the most important deduction reached from these lectures is a conception of engineering progress. The successful engineer realizes the importance “keeping up with the times.” The undergraduate is also informed of the necessity of so doing, but does not fully realize it because in his training, while in reality it is the beginning.

To leave the latter impression with the student graduating from college is a most valuable asset to him, and one which is especially helpful to the student engineer. It is evident that the excellent opportunity afforded at our school is due to the interest shown by the mining companies of the city, which have made possible the arrangement. Those of us who take the advantage of the opportunity should see that our conduct does not impair in any way the chances of future students who will wish to avail themselves of the jobs we now hold.

SENIOR NOTES

“Mike” Walsh, Valentino’s only rival, has thrown away the crutches, claiming that he can now stand on his own feet. But we’re not so sure of that—at one of the dances we noticed him standing on one of the girl’s feet. Anyway, Mike is glad to be able to join the basketball squad.

The Seniors realize the importance of a broad education. As a result, the evening of December 20 was devoted to learning how to eat in Italy. The Trovatore cafe, in Meaderville, served as the academy, and the subject, that is, the food for thought, was raviolli. The class invited Professor Simons and a number of former classmates to attend.

The courses offered by the institution were very popular, none of the party being subject to drowsiness, with the possible exception of “Len” Harrington, but in his case the cause is attributed to other sources. (Please don’t ask us of these sources.)

It seems as though J. L. W.’s prediction in the Hot Box of canning activity to be renewed shortly is a sound one. Several little booklets on “How to Study” have made their appearance in the library, and if this “ain’t no sign,” we’ll have to wait until February 1, when the fruits will be delivered.

The Bottom Rung

Prof. Scott in Economics—When a young man, President Garfield was employed driving mules that pulled barges through a canal in Ohio. Adolph Salomonson, our promising young skinner, announces that the canal regions, instead of the Big Hole, are to be his goal next summer.

And Now He’s Figurin’

Hurley, who handles calculus like an Einstein and plans some day to establish a few theories of his own, received a touch of the finer elements in life the other evening in one of our local restaurants. Adjusting himself next to a glass of ice water, he gave the menu the once over. Then he turned to the waitress, who was standing at his elbow.

“How’s the chicken today?” he asked.

“Fine, old top; how’s the kid?” was the unexpected reply.

WHY WASTE YOUR MONEY EXPERIMENTING?

The Wahl Eversharp Pencil

Is a Proven Success

We want to sell you one to prove our statement.

Montgomery Drug Co.

Phone 308 140 W. Park

Spokane Cafe

17 So. Main

Good, Wholesome Food at Popular Prices

MERCHANTS’ LUNCH

From 11:30 to 2:00

35c

Everybody Likes

Riddell’s
MR. TIPPE TALKS
TO MINES STUDENTS

(Cont. from Page 1.)

It was pointed out that in order for a boss to be thoroughly familiar with his work, he must have actually made a systematic analysis of his duties, rather than being acquainted with them only in a hazy way.

In discussing the "Job Analysis" it was made evident that the boss must not only be familiar with his own job, but must understand in detail the work of each individual under his supervision. Thorough familiarity with this factor was shown to be the only means by which the boss could give orders to his men in an intelligent and effective manner.

Another important factor in efficient operation of mining, namely, the stimulation of interest in the "Safety First" movement, was also treated by the speaker. It is, of course, very evident that the movement is not only directly beneficial to employe, but also to the management.

Need of Co-operation.

Co-operation was emphasized as the greatest single requisite for efficient management in industry, and it is easily seen that without co-operation between all the units and individuals in the organization, all other elements of successful operation must necessarily fail.

MASON ADDRESSES SENIOR
AND JUNIOR MINERS

On December 18th, the Senior and Junior Miners had an opportunity of listening to a very interesting talk given by Mr. V. V. Mason, an alumnus, now research engineer in Butte for the A. C. M. Company. Mr. Mason reviewed the work done by his department in perfecting the drills that are used today in the Butte mines. The students were acquainted with the essential problems with which the department was confronted in the work. These were the feed, rotation, and lubrication of the machines. By means of numerous sketches, the speaker illustrated the reasons why certain changes in design were adopted and others rejected. In addition, Mr. Mason exhibited a number of bits, all of which have been used experimentally in Butte mines, and their advantages and disadvantages noted. Mr. Mason presented the collection of bits to the department of mining.

FROSH FROLIC GAY AFFAIR

On December 17th, the annual Freshman Frolic was held at Schumacher Hall, with a committee in charge consisting of Norman Thompson, G. A. Wesseth and Al Buckley. A gay crowd of about 130 couples was present, over half consisting of the Mines' students out for the usual good time. Dancing continued from 9 o'clock until midnight, the music being furnished by the famous Columbians. A novel feature of the evening consisted of an elimination dance, in which the winner, Mrs. Ray Stanaway, an ex-co-ed, received a large box of candy. Toward the end, more fun and life were added to the party by throwing serpentine among the dancers. The good time ended to the plaintive strains of "Home, Sweet Home."

SOPHOMORE NOTES

On the twenty-first day of December, in the year of our Lord nineteen hundred and twenty-three, there came unto us a message saying that for sixteen days and sixteen nights we should be cast from our beloved institution and not allowed to enter therein; whereupon there arose from the vast assemblage a great lament, saying the faculty, being not our mortal foes, drove us out, and, having no place to go, we hied us to our respective domiciles.

Now it so came to pass that after the allotted time had slowly dragged away, we were allowed to return to our place of learning, whereupon we re-entered with great joy and repentance within our hearts.

Shortly after our joyous return it seemed that the sophomores, being more conscientious than the rest, decided to take it upon themselves to appease the wrath of those who had caused us to be ejected from our institution and began at once to make preparations for a great dance. The time at which this great occasion will take place has not as yet been determined, but be it known to all those present that such an occasion is forthcoming and that it will be the greatest of the year.

It has lately been rumored that with the coming of the basketball season, the Vigilantes, an organization that made its appearance last year, will again become active. The purpose of this organization is the same as that of the well known Intercollegiate Knights, and it is hoped that in time it will become affiliated with them.

FREE VERSES—TAKE SOME

The First Year.

First upon the scene, the Freshman,
Holding self all reverential,
Fearing nothing, prone to censure,
Confidence of Alexander.

English themes are not his hobby,
Modern slang is his long suit;
Tries to look and act right nobby,
Semblance of a country dude.

First to trig. or chem. escorted,
Where he finds his wits distorted,
Fearing nothing, prone to censure,
Confidence of Alexander.

Next semester, analytics,
Confidence is on the wane,
And the eyes of heartless critics,
Almost drive the boy insane.

Then surveying—such a jumble,
Angles, azimuths and lines—
Freshe wonders just what fever
Had conveyed him to the "Mines."

But stay with it, lad; remember
If you study hard and well,
You may lose your "Freshie" number,
And become a real swell.

Fellows! have you seen our
Overcoats?

that we are now offering at the ridiculously low price

$32.95

Regularly worth to $50.00

—Men's stylish and dependable overcoats in the new pleated back, full belted models with plaid back. Polar cloth in gray, brown and tan heather mixtures; 44-inch length. Superior quality overcoats that are tailored and finished in the finest manner. Attractively priced at $32.95.

The Thornton Hotel

European Plan—Restaurant in Connection

Rates: $1.50 per day up

W. E. LOVE, Mgr.

SPALDING ATHLETIC GOODS
SOCIETY BRAND CLOTHES
WILSON BROS. SHIRTS
DUNLAP HATS

Boucher's, Inc.

29 W. Park St.

Your Friends Can Buy Anything
You Can Give Them Except
Your Photographic
ZUBICK ART STUDIO

114 West Broadway
QUINN GRID CAPTAIN FOR 1924

(Cont. from Page 1.)

Harold Egberg, Floyd Hober, Ivan Dunn, McWilliams and Prof. Scott. Assisting Mrs. Scott were Mrs. W. W. Craven, Miss Charlotte Russell and the following co-eds: Margaret MacLanahan, Elizabeth Chapman, Ethlyn Culbertson, Florence Gordon and Alice Agbove.

THINGS WE WOULD LIKE TO KNOW

What has come between Bob Nesbit and the co-eds?

What Prof. Scott got for Christmas.

Who named our paper.

Calculus. Why so many Frosh are quitting school.

Why the boys hang around the main hall.

THE CO-EDS

On December 13, when Professor and Mrs. Walter Scott entertained the letter men of the football team to a waffle dinner, Mrs. Scott was assisted by Mrs. Craven, Miss Russell and the five co-eds.

Miss Culbertson and Miss MacLanahan made very clever black and white place-cards for the guests.

Miss Katherine MacPherson, who is attending the Montana University, spent the holidays in Butte with her mother.

Miss Alma DeCelies, who is attending the State Normal at Dillon, spent the holidays in Butte with her parents.

Miss Eloise Crangle and Miss Lucia Evans, who are attending the State University this year, spent the holidays in the city with their parents.

The co-eds are going to run a column of collected jokes beginning with the February issue. It will be rare; watch for it.

The co-eds have seen (?) and heard some rather clever jokes lately and will publish them in the next issue so each and every subscriber may have some of the good laughs the co-eds have had. Watch for it—the co-ed joke column.

THE A. S. S. M.

The Associated Students of the School of Mines was instituted in 1919 and under its direction are organized various committees that deal directly with school activities. The.

F. O. JACKSON
TEACHER OF VIOLIN
Phone 1300
Studio, 6423 G, Silver St.

A. S. S. M. meets four times during the school year, with a provision for the calling of special meetings when they are deemed necessary. The present officers of the A. S. S. M. are Mike Walsh '24, president; Louis Marick '25, vice president, and Wallace '26, secretary.

Chief among the committees is the executive committee, which outlines the general policy of the whole organization. The executive committee conducts the A. S. S. M. elections, arranges the football and basketball schedules, "M" day observances, acts in advisory capacity to the student government committee, and the dancing club. It also co-operates with Prof. W. T. Scott, athletic director, in arranging for the annual state high school champion football game. The present personnel of the committee is Mike Walsh, chairman; Louis Marick, vice chairman; Wallace Tanner, secretary; Charles McGreal and Dennis Ryan, members at large, and Prof. W. T. Scott, faculty advisor.

FRESHMAN NOTES

The Christmas holidays having come to an end, the freshmen have returned to school with renewed vigor. The few days of frivolity have come to an end and it is hoped that the members of the class have caught up in their sleep as well as in their studies. So we will now sing our old battle-hymn entitled, "Cosine Plus the Tangent."

It has been reported that the "canning industry" is to be renewed with increased vigor at a certain locality known to us all. We herewith wish all the success possible in this budding enterprise, but we do not desire to become stockholders in such a wildcat proposition.

It seems that Matlock is desirous of leaving our little school on the hill and resuming his work at the State College. Please tell us the reason for this rash outbreak, will you, Fat? We admit that it is a tough grind at the Mines. We are wondering if there isn't a young lady somewhere in the background.

Con Murphy is looking forward with eagerness to the time when he will again be in the quiet little city of Bozeman.

Jack Warren has adopted a national anthem all of his own. It is entitled, "Listen to the Nightingale Raye."

DECEMBER ALUMNI DINNER AT BUTTE

The alumni of Butte and vicinity gathered at dinner in the Thornton Hotel, Butte, Montana, Thursday evening, December 6, 1923, for the usual monthly meeting and discussion. V. V. Mason presented a paper upon "Rock Drill Development." General discussion covered various phases of the problem, "Put the Greatest Mining School in the World on the Map."

THE HOT-BOX

Greetings! We all hope you get a flock of seventies.

Faculty announces premature graduation exercises, to take place soon.

Measured in Cubic Feet.

We agree with the ed, the idea of all ore-diggers is to make progress. Get an Excuse.

We used to get fifty for coming up the hill. Now we get—we don't come.

Do. Ra. M(o)ke.

Gusher (discussing things musical)"Oh, I just love a harp!"

Mike—"Well, I'm a Harp, but I don't know whether I'm the one you love or not."

Calling a Spade.

Faculty meeting—Bluffers' pow-wow.

Student meeting—Slother's Pow-wow.

Once a Month (?)

Frosh—"I understand that our Alumni association is well organized."

Senior—"Well, they should be, if practice is any help."

Have patience, ye faithful, and the Acropolis twins shall soon be triplets.

The two organizations that are prominent in the financial world are J. D. Rockefeller and the Associated Student body.

A Dead One.

Guest (to bellhop)"Do you usually hang around a fellow's room as long as this?"

Boy—"No, sir; I usually don't have to."

Say It With Flowers.

Teddy contends that the necessity of giving grades is the one regrettal feature of any course. Yea, brother, most regrettable, most regrettable.

100 Per Cent Efficient

Tee—"What is a 'cake-eater'?

Ter—"A guy that holds a cup of tea in his left hand, plays Mah-Jongg with his right, and works sixteen hours a day with his other hands."

After the Senior Party

Luc—I 'How you brekkum kar, Joe?"

Joe S.—"Freezum vindsheilt."

Room for Argument.

First Fan (from Butte)—"I think Kelly made more yardage than any player in the state this year."

Second Fan (from Butte)—"Which Kelly?"

5, 10 and 15. Prof. announces good results obtained on exam. The boys must have pulled down a Woolworth.

PURE FRUIT PUNCHES

FANCY ICE CREAM

All Made in Our Own Sanitary Plant.

We Invite Your Inspection.

MEDLIN'S

Phone 3950-W

Murphy-Cheely Printing Co.

our specialty

"Service"

105 East Broadway

Butte, Montana

Candies

Ice Cream

Gamer's

133 W. Park St., Butte

Refreshing Drinks

Dainty Eats
MINES SQUAD WHIPPING INTO SHAPE

Lettermen of Last Year and Fresh High School Stars Insure Strong Combination.

Mines Schedule for Season Heavy

Prospects are bright for a successful season in basketball for the Ore Diggers.

A call for candidates was posted on December 7, and the meeting was well attended. McAuliffe discussed the training rules he expected the team to follow and also the methods to be used, and time of practice.

The squad which reported to Coach McAuliffe is showing promise, and Charlie has been rapidly shaping them into a playing unit.

"All District" Matlock, star guard of Butte's Diggers, has been arranged for the season of 1924. Very difficult conditions this year, but Billings Polytechnic, at Butte, Jan. 19, and the Montana State School of Mining at Butte, Feb. 22 and 23, should be strong.

Butte UNIQUE MINING CAMP

Student Engineer Constantly Confronted With Unparalleled Opportunities.

What better facilities for the study of mining and metallurgy could be found than are present right here in Butte? Probably there is not a city of equal size that is so well known throughout the United States as is the city of Butte. Located on "The Richest Hill in the World," it has become popularly known, not only throughout this country, but over the entire globe, as the largest single copper producer in the world—so that "Butte" has become a word synonymous with copper.

During the war the importance of Butte's industry was certainly undisputed. As well as turning out an enormous amount of copper, the camp became well founded as a producer of manganese. And so, Butte, with its production of copper, silver, gold and manganese, was a highly important factor in guaranteeing our country's metal production that is not so generally well known. As well as being a producer of the "red metal," the camp is fast moving to the front as a producer of zinc. Last year over one-eighth of the United States zinc output was mined in this city.

There is another factor in Butte's metal production that is not so generally well known. As well as being a producer of the "red metal," the camp is actively involved in the commercial extraction of the metal. Modern methods of ore concentration and separation have been factors largely responsible for the adoption of Butte's zinc-bearing minerals to a commercial extraction of the metal, but the most important step leading to the commercial treatment of these ores has been the development of the metallurgical processes used in the winning of the metal. The process used at the present for treatment of the complex zinc ores has been worked out and perfected by the Anaconda Copper Mining company in their metallurgical plants at Anaconda and Great Falls.

Butte's location on the market is of the very highest quality and commands a front rank on the market. Rare, indeed, is a district where the metals occur in the manner found in the "Copper Camp," and, moreover, in commercial quantities. Such a combination is of keen geologic interest and rarely duplicated, so Butte offers a wide field to the geologist.

As well as giving the best available practical knowledge in mining, Butte is surrounded by metallurgical plants of world-wide fame. Luckily, these plants are supervised by men ranking among the best in their profession, and they are constantly endeavoring to improve processes or introduce new ones that will mean a more efficient and modern plant.

There is no place that offers greater opportunities in the study of mining and metallurgy than does the Butte district. The Montana State School of Mining makes a specialty of these subjects alone. They are equipped to carry on the work in a manner far ahead of any other school, for here at our door stands one of the most widely known and progressive mining camps in the world.

Page Barney Google. Any good trainer will put a blanket on his horse after a hard workout.

Skating Good Ice

Band Nights

Tuesdays, Fridays and Sundays

South Montana Street
THE NEW YEAR

New Year's is a time when both the past and the future occupy our thoughts. The triumphs and reverses, the joys and sorrows of the past are mingled with our curiosity about what lies ahead for the future. Every alumnus of the Montana State School of Mines, reflecting upon days that are gone, needs must think of the school on the hill, the teachers, the students who received technical preparation for his career. He recalls hopes that were his when he started forth.

Many of those hopes are now realities. The members of the class of 1922 have been scattered, others are still cherished, and upon a few for a firm foundation very properly a goodly superstructure is being erected. The Acropolis where he received his technical preparation for his career. It is not the purpose of this paper to go much beyond the discussion of the occurrence of tin, and the recovery and uses of the precious metals, including silver, gold, platinum and palladium, in the Butte ores.

A bronze mineral from the Leonard mine contained Cu 37.04%, Ag 7.10 oz. gold 0.12 oz., As 11.15%, antimony 6.0%, Sb 0.78%, Te and Se none, WO 1.12%. Bi 0.025.

A bronze mineral from the Leonard Mine contained Cu 37.04%, Ag 7.10 oz. gold 0.12 oz., As 11.15%, antimony 6.0%, Sb 0.78%, Te and Se none, WO 1.12%. Bi 0.025.

Bismuth, 0.12 to 1.12%; Iron, 1.02 to 2.45%; Silver, 1.10 to 2.5 oz. Selenium, traces; Gold, 0.025 to 0.033 oz.

The specimen from another locality assayed as follows: Cu 39.46%, Ag 31.12 oz., As 11.15%, antimony 6.0%, Sb 0.78%, Te and Se none, WO 1.12%. Bi 0.025.

There is a mixture of sphalerite, copper, gold and silver. However, it is possible that sufficient ore of this type may sometimes be blocked out to warrant saving same for its tin content as an accessory. The problem is too complex and costly. In the process of copper smelting the tin is probably volatilized, or slugged, and hence is lost in the anode slime, or the electric copper refining slag. That is about all that can be said regarding Butte's tin production. Bismuth has been found only in association with the tin mineral. It is a relatively rare mineral, occurring occasionally in vugs with other crystals. At times it has been noted on the tables at the Washoe concentrator, but in insufficient quantity to save.