**INTERSCHOLASTIC FOOTBALL CHAMPIONSHIP GAME THANKSGIVING DAY**

“The most spectacular football game in the history of Montana” was the general verdict offered by the five-thousand fans who swarmed to Clark Park on Thanksgiving Day to see the state interscholastic game between Billings and Great Falls, which ended in a 27 to 27 tie. The School of Mines, under whose auspices the championship line-up has been conducted, has certainly never offered a better attraction to the people of Butte.

The game found pitted against each other two elevens abnormally strong in offense with neither of them having an adequate and effective defense against the other’s attack. Occasionally a drive goalward was halted but more often the team with the ball was able to get within striking distance of one end with a long gain. The speedy, well-trained Southern district representatives gained around the wings or on forward passes and in addition twice counted from the field on place kicks from the sure toe of Worthington. The result was a contest that gave the spectators thrill after thrill that they will not soon forget. And the climax when Billings, faced by a 27 to 0 electric lead with but one minute and thirty seconds of the last quarter remaining to play, traveled 95 yards to a touchdown in 69 and two-fifth seconds, could not have been improved by the author of the Dick Merrivell stories.

In both Great Falls and Billings much enthusiasm was aroused over the contest. The Northern district champions began a drive for a special train immediately after their victory over Whitefish sent them into the finals. Their efforts resulted in not one but two special trains nearly eight hundred fans who made the trip. Counting those who drove down by automobile, nearly a thousand electric rooters followed their team to Butte. The Billings fans routed out in time to start at four o’clock in the morning, their special cars bearing two hundred and fifty wearers of the orange and black. Both groups had bands with them and paraded a little before they adjourned to Clark Park to outdo their rivals, if possible, at noise making. Soon after the game began, the Butte and Anaconda spectators in the stands had chosen their favorite team and an advantage for either eleven was greeted with a roar that could be heard back of Big Butte. While the attendance lacked nearly a thousand of being as large as the one that saw Anaconda and Billings fight it out for the title in 1923, in many ways it was a more colorful crowd than was out for the game that established the Clark Park record for football.

Great Falls, considered by many of the experts to have but an outside chance with their opponents, startled the fans by walking away with two touchdowns in rapid succession early in the first quarter and by kicking the goals, thus taking a 14 to 0 lead before the contest was well under way. On the dry, fast field and under a mild sun, the men from the Yellowstone valley were expected to show to much better advantage, but they had no defense to offer against the Electrics, who displayed much more speed than was anticipated. Soon after the Northerners’ second score, Billings tossed a long pass the pigskin over for a touchdown in the second quarter bringing the Tech Tigers to the field to play in the second period after Tompson shared and enjoyed a mild sun.

The Tigers hammered through the line. The northerners’ second score, Billings tossed a long pass the pigskin over for a touchdown in the second quarter bringing the Tech Tigers to the field to play in the second period after Tompson shared and enjoyed a mild sun.

**Anderson Carlisle Club Hears Interesting Talk**

The life, geography and resources of the island of Madagascar were described to members of the Anderson-Carlsie society of the School of Mines last evening by Professor John Stansfield at a banquet of the society at the New Hotel Finlen. The meeting was attended by a number of student members of the faculty and student members of the society.

Prof. Stansfield visited Madagascar five years ago and made an extensive study of the island. During his lecture following the society’s dinner at the New Finlen last evening, he illustrated his description of Madagascar with a number of stereopticon slides of island scenes. Following his lecture, Prof. Stansfield answered questions by members of the club concerning the African island.

Wallace Tanner, president of the Anderson-Carlisle society, presided at the meeting.

**MINERS WIN FINAL FOOTBALL GAME**

Failure to kick goal after shoving the pigskin over for a touchdown in the second quarter brought defeat to the Tech Tigers yesterday afternoon in their concluding game of the season with the Montana School of Mines. The final score was 6 to 7 in favor of the green jerseys from Butte.

The Tigers hammered through the light Miners line for their score early in the second period after Thompson rounded the left wing for a sensational dash of 35 yards placing the ball on the enemy 5-yard line. Johnson, the Tech’s boring halfback, lowered his head and dove through the tangled mass of green to plant the ball within six inches of the Montana goal line. On the third down Thompson shoved it over for the score. Sell essayed to dropkick for the extra point but failed to lift the ball off the ground.

(Continued on Page Five.)

**JUNIOR CLASS TO PUBLISH ANNUAL THIS YEAR**

The Junior class will renew a custom started several years ago and publish an annual which is known as the “M”. This year book was first published in 1922 and the class of 1923 also put out an annual, but since that time no other book has been published. The members of the Junior class decided at their last meeting to foster the publication of an annual and to be directly responsible for its success. The class selected Herbert Wendel to act as Editor-in-Chief, and Donald Mayo was elected Business Manager. The remainder of the staff was to be selected from the Junior class and the student body by the editor.

As this paper is to be a school organ it is necessary that the support of the entire student body be secured. Any ideas or special articles will be appreciated and will be given just and full consideration. Especially it is desired that any photos of students, student trips, or general activities be turned in to the editor so that they may be placed in the “M”. All our amateur photographers are requested to get busy with their cameras and secure interesting pictures of all future student activities, as these pictures will reflect the spirit of the school.

An annual is something which will be cherished and valued in future life as it contains the reminiscences of the many pleasant days we have spent together in this school and the varied and interesting experiences we have shared and enjoyed. It will also serve to remind us of our fellow classmates and especially of the professors with whom we have been honored with beneficial association.

The “M” staff for the year 1925-26 will be as listed below:

Herbert A. Wendel, Editor-in-Chief
A. Donald Mayo......Business Manager
John Warren ..........Athletics
Charles C. Goddard, Jr., Organizations
Henry Nightengale .....Literary
Paul A. Eno ..........Features
THE ACROPOLITAN

Page Two

A Merry Christmas

AND A

Happy New Year

TO ALL "MINES" STUDENTS

Hennessy's

THE NIGHT

Has a thousand eyes, 
And the Day but one; 
And the light of the world never dies 
Long as waters run.

THE MONTANA COMPANY

Power
FRESHMAN NOTES

Two members of the Freshman class have entered the amateur tournament at the K. C. We hope they will bring one of the state boxing championships home with them, as we are tired of bacon.

Rudolph Fabian would like advice on the subject of how to run cars without gas. It appears that he had some trouble in arriving at the conclusion that Park street is not a garage.

Denehey has decided to take up cribbage as a career. It is rumored that he has opened a school for the co-eds.

If the party who sat in the bowl of molasses at the last meeting of the swimming circle will return the bowl we will say nothing about the molasses.

The Freshman dance was held in the Gymnasium, December 17. It was what is known as a howling success. The hall was decorated in red and green. The Troubadours rendered the music for the evening.

The dance was well attended by members of the class. It was an invitational affair and by the looks of the crowd everyone who was invited was there.

Poky Powell brought the girl who started the riot at the Co-Ed party. She was also a howling success.

It is rumored that the president of our worthy class has been discovered to be the only man in school to have one upper lip.

A slicker has come to light in the class. Earl Lindle received a hundred in a recent chem. quiz. This had better be looked into.

On being asked whether he was a socialist or a republican, Powell replied that he was neither, but that he was Irish.

CO-ED NOTES

The cold weather seems to agree with the Big Five, even if we are the only one to recognize the fact. But no foolin', we are feeling livelier, and as a result we're just full of ideas for lots of good times in the future. Can't say they're just for the future, though, 'cause we're doing our stuff in the "past" as well. This is the way things stack up:

There has been three meetings of the Co-eds since the last issue. The first was called on the fourth; the second on the ninth; the third on the twelfth.

During the second meeting it was decided that we would give a dance in honor of the football letter men, provided we could arrange for a house in which to hold it.

At the third meeting Helen MacGregor came to our rescue by offering her home at our disposal the evening of the twelfth. With such a short notice we had to work on all six to get around to all the fellows and to make the minute arrangements for the evening's entertainment.

H. S. (writing up Co-ed notes) said, "Max, can you think of anything funny you've said this month?"

M. M. "No."

H. S. "I can't think of a thing."

M. M. "Well, it's a good thing your memory fails you."

Speaking of jokes though, Max pulled a good one the other day on Miss Hubbard and Mrs. Converse while we were entertaining them at a luncheon.

Mrs. Converse: "It's very nice of you girls to invite us here this noon."

Maxine: "Oh, that's alright. We just asked you here to get some news for the Acropolis."

Which goes to show how hard we have to work to get some news to fill up the blank spaces for our Editor.

We were entertained at a luncheon upstairs in the French room by Mrs. Converse and Miss Hubbard a short time later at which time we were politely informed that we were invited solely because "they liked our company."

Seeing as how no one will volunteer to remember our own jokes, it has become necessary to remember one I read the other day:

Down in Miami, Florida, a northern cottager inquired: "Is this fish good for immediate cooking?"

He was somewhat puzzled by the fisherman's reply, "Yes, but run all the way home."

R. V. was asked by one of the professors to tell how to begin a certain thing, to which she replied, "Why, at the beginning."

We (the Co-eds) are wondering how Alice will make out over the Christmas holidays. It's a whole lot easier to keep two on the string when one is in California, than it is when they're both within dating distance.

Tess Dosh is the only one of us who is lucky enough to be leaving town during the coming vacation. She is going to her home in Samatra.

The rest of us are looking forward to a lot of fun right here in Butte. Among other things we are planning to attend the Southwestern entertainments in honor of Mrs. Converse's daughter who is coming here to spend her remaining holidays with her mother. Miss Converse is a student at the University of Washington and is in senior year. Wouldn't it be great if the son were coming, too? You see, we've sorta got an understanding with Mrs. Converse.

Well, Christmas is here and it brings back to mind the tallest man of whom we know anything about. He went outside his house after his children had gone to bed early on Christmas eve and shot off a pistol and then came in and told the children that Santa Claus had committed suicide.

Here's hoping that he won't do that for any of the School of Mines fellows.

MINES SMOKER

The first smoker of the year was held in the Engineering building on December 4. The program for the evening was extra good. Boxing boots were held in the large room set aside for them. The boys threw gloves at each other for all they were worth. Rodlin, Healy, Lopes and others furnished the entertainment in the square circle. A wrestling match was held in which Stanislaus Zyka cote was victor. There seemed to be a slight misunderstanding among the wrestlers as to what constituted the ring.

The quartet composed of Tanner, McPhail, Murray and Moyle, supplied the music for the evening. A cup fight and an egg fight kept the crowd in an uproar. Everything was well represented except the collection.

BARTER

I though today of what I'd do if I could really change my place, with anyone I wanted to, soul for soul, face for face. I wouldn't trade with any man. I wouldn't trade with young De Smit.

I wouldn't trade with young De Smit, though he has millions in the bank, and cars and yachts and telephones that it is in walls; but he's a crank. I can laugh at trivial things the whole day long, while he just groans.

I meet failure with a song, I wouldn't trade with Mr. Jones.

I wouldn't trade with young De Smit, though he's the handsomest man in town, and with the girls he makes a hit, while I am greeted with a frown. For he says music is all wrong. Though I am slow I will admit, I like the beauty of a song, I wouldn't trade with young De Smit.

I wouldn't trade with any man. I think I'd rather be myself.

I'll win to success if I can; if not, I'll die upon the Co-ed's wall, for I'll laugh a little, sing my song. I'll keep my health and coat of tan; don't think that I'm doing wrong. I wouldn't trade with any man.

Mr. Hartzall: "Wake Mr. Eno, will you, Wendel?"

Wendel: "Do it yourself. You put him to sleep."

MINES SMOKER

The world bestows its big prizes, both in money and honors, for but one thing—And that is Initiative.

What is Initiative? I'll tell you: It is doing the right thing without being told.

But next to doing the thing without being told is to do it when you are told. The point is to carry the Message to Garcia; those who can carry a message get high honors, but their pay is not always in proportion. Next, there are those who never do a thing until they are told twice; such got no honors and small pay.

Next, there are those who do the right thing only when necessity kicks them from behind, and these get in direct proportion of honors, and sometimes for pay. This kind spends most of its time polishing a bench with a hard luck story.

Then, still lower down in the scale than this, we have the fellow who will not do the right thing even when someone goes along to show him how and stays to see that he does it; he is always out of a job, and receives the contempt he deserves, unless he happens to have a rich Pa, in which case Destiny patiently awaits around the corner with a stuffed club.

To which class do you belong?—Elbert Hubbard.

M. S. B. M., Dec. 17, 1925.

Dear Santa Claus:

Just a few lines to let you know what we, the students of the School of Mines, would like this Xmas. We hope this finds the Mrs. well and happy. If you bring us the toys we order we might let you in on a New Year's party, if your wife doesn't object.

To get to business, the Freshmen would like a few passing grades in divers subjects. The Sophs want a ripple, a hoop (they're tired of blowing their own). The Juniors hope you will bring them a new hobby horse as they are tired of riding the prop. The Seniors are hoping for the best, they want a horseshoe and a four-leaf clover.

Prof. Hartzall asks for very little—give it to him. Koenig wonders if you have any good students you could spare? We want a few for our class. Scott a few phonograph records with the daily dozen on them. The other professors have no time to write, and that they are busy thinking up exam. questions. I suggest you bring them a soft heart.

Murray hopes for a large diamond and a lot of good wishes. Cote would like a correspondence in wrestling. The quartet asks for some songs they know so they will not have to sing the chorus twice. The football players want another party. Poky says to give it to them for the reason that they have dances with a certain young lady. Yours until Paderewski gets a haircut.

STUPIDS OF THE SCHOOL OF MINES.

INITATIVE

The world bestows its big prizes, both in money and honors, for but one thing—And that is Initiative.
The Trend in Metallurgical Engineering Education

The rapid march of progress in engineering education, and especially in mining engineering education, makes it necessary to pause occasionally for retrospection, in order to determine at what rate and in what direction that progress is being made. Mining education in the United States is 101 years old; mining engineering education as a distinct branch was definitely established in 1849. Since then, training in mining engineering has been less specialized than any of the other engineering professions, due to the fact that its own field takes in so many of the others. Because its growth and development have been so comprehensive, the four existing subdivisions, (1) Mining Engineering, (2) Metallurgical Engineering, (3) Mining Geology, (4) Milling, have been adopted and to a certain extent standardized. These have been developed not as an indication of extraneous division of the student's work, but simply as a designation of the various fields in which specialization is encouraged.

Metallurgy holds the unique position of being both a well-established art and an embryonic science. Science is systematized knowledge; it teaches us "how." Art is knowledge made efficient by skill; it teaches us "to do." In the development of the vast complex of products and processes incident to modern civilization, it is the rule that art precedes science. Man usually knows "how" before he learns "why." So it has been with metallurgy; yet the enormous advance in recent years in the understanding of fundamental metallurgical principles, and the more enlightened systematization of its theories, has placed that subject in the category of a science.

Metallurgy may then be defined as the science and the art of extracting the metals from their ores, and subsequently shaping them into the desired forms in the various industries. Careful analysis of this definition makes it evident that metallurgical engineering education must adequately comprehend two complementary and yet distinct branches of Chemical Metallurgy and Physical Metallurgy.

"Chemical Metallurgy deals with the reduction of the metals from their ores and the production of the metal in the desired forms. Careful analysis of this definition makes it evident that metallurgical engineering education must adequately comprehend two complementary and yet distinct branches of Chemical Metallurgy and Physical Metallurgy. The reduction of the metals from their ores and the production of the metal in the desired forms."

The speaker said that the present and permanent prosperous mining industry depends wholly upon a permanent and sufficient supply which will furnish the right kind of products in sufficient amount and at a reasonable cost. In order to keep our timber supply in a stable and permanent condition so that forest policies are not improved this timber supply will be exhausted in 20 years. So the need for adequate and strict conservation policies may easily be seen.

Fire protection is another essential to future forestry operations. Timber a necessary condition to the policies and especially upon forest conservation was presented to the students. The government provides 50,000 acres of timber for the purposes of reforestation, so it is a problem in which the people of Montana must effect legislation to suit the extension of forest policies.

INTERCLASS BASKET-BALL TOURNAMENT

Due to the large number of freshmen in school, three teams have been entered in the tournament representing the sophomore, junior and senior classes. The freshmen entered one team and one was entered as a combination of the Senior and Junior classes. The irregulars are students that are a common fallacy to mistake the complex for the profound. All of this is advanced, but it is not difficult.

In spite of the high degree of specialization necessitated in metallurgical engineering education, the general objectives of a liberal education are diligently pursued. It is realized that the opportunities of greatest achievement call for men and women whose education has been directed to the development of broad understanding, interest, imagination, and sympathy, rather than for those whose training has been simply toward the perfection of technical skill. The metallurgical engineer, for example, needs to be in some degree a chemist and in some degree a physicist, yet no amount of proficiency in the technique of chemistry and physics will qualify him to take the large responsibility of industry and production.

Under the splendid administrative leadership of President George W. Craven, and with the enthusiastic cooperation of the faculty, the Montana School of Mines is maintaining a position of high efficiency in engineering education. It is requiring much study, however, and continuous repeated effort. Regarding the effectiveness of continuously repeated effort, it is well to bear in mind the Englishman's statement: "It isn't the 'easy' dullin 'urchin's 'ows; it's the 'ammer, 'ammer 'on the 'ard 'way."" By CURTIS L. WILSON.

MR. F. MORRELL ADDRESSES MINES STUDENT BODY

A very interesting talk on Forestry policies and especially upon forest conservation was presented to the student body and members of the faculty by Mr. F. Morrell, district inspector for the State of Montana and part of Idaho.

The speaker laid special emphasis upon the need of the government to inaugurate a reforestation policy and apply it to all cut-over forest areas. The government has such a policy in effect now but it cannot properly function without the co-operation of the private forest owners. The government has said that it has the ability to benefit all the American citizens and is absolutely essential.

Mr. Morrell stated that forest conservation is an economic question due to the fact that the products derived from forests are essential to all industrial operations and all industrial projects. In regard to industry in our near vicinity, the speaker said that the present and permanent prosperous mining industry depends wholly upon a permanent and sufficient supply which will furnish the right kind of products in sufficient amount and at a reasonable cost. In order to keep our timber supply in a stable and permanent condition so that forest policies are not improved this timber supply will be exhausted in 20 years. So the need for adequate and strict conservation policies may easily be seen.

Fire protection is another essential to future forestry operations. Timber is a necessary condition to the policies and especially upon forest conservation was presented to the students. The government provides 50,000 acres of timber for the purposes of reforestation, so it is a problem in which the people of Montana must effect legislation to suit the extension of forest policies.

MINES BASKETBALL PROSPECTS

Everything points to a successful season in basketball at the Montana State School of Mines. For the first time in three years the school has been able to start the season with workouts on their own floor. In addition to this the candidates for positions look very promising.

A meeting of all candidates was called for December 1 by Coach McAllister and 20 candidates responded. Plans for the coming season and for the Class Tournament were discussed. The following candidates reported: Bullwinkle, Dennehy, Knox, Rodlin, Selfridge, Canavan, Quin, Canolle, Sigler, Thompson, N. Tanner, Doher, Connolly, Winkle, Thompson, O'Toole, Doherty, Dorsh, Wiles, Lopes, Boyce, and Cotter.

The coach will pick the most prominent candidates for the Class Tournament from which selection he will build his team.

On behalf of the class, I wish to say that we are looking forward to the possibility of having a splendid game for the irregulars and that we hope the irregulars will be the winners. The game will be the final game for the champions, and the final game for the irregulars for second place in the tournament.

The football team wish to express their thanks for the appreciation of their work as shown by the co-eds in giving us a party.
Interscholastic Football Championship Game

(Continued from Page 1.)

allowing his eleven to go into the intermission with a 17 to 14 lead. When
activities resumed in the third quarter, Worthington once again
proved valuable with a place kick, thirty both squads, accompanied by

touchdown but missed the try for the
back. Immediately after Great Falls scored
and tried to pull out with a last m-

yards 'and a touchdown. With a tie
pressed the satisfaction of men and the
goal posts for the extra point and

Tigers, with a considerable advantage
in yardage. No. 31 West Broadway

nand- Tigers revived and stopped two
rushes for less than a yard gain. The
punter, out-kicked the Tiger
son proteges fairly well. Bullwinkle,

hole through the green defense.

made their
drill a long

of the

and scored.

The Miners' Drive Through.

Neither team proved menacing
again until near the end of the third
period when the Miners took a new
lease on life and began a drive from
the Tiger 40-yard line after gaining
5 yards and on the second play
going to pluck it out of the air for a
score.

The stripped Tech warriors tried
desperately to stiffen and stem the
flow. The ball was on the
yard line and the Miners
succeeded in making their
down with the tips of their fingers
within a few inches of the white line.
The stripped Tech warriors tried
desperately to stiffen and stem the
flow.

as Possible. As many in the crowd
did not hear this announcement, there
were many arguments in the course
of the evening over the result.

The visiting elevens enjoyed an
informal Thanksgiving dinner at the
Finlen Hotel following the game, the
formal speeches and presentation of
awards featured in other years by the
School of Mines being omitted upon
the request of both teams. At eight
thirty both squads, accompanied by
many of their supporters, came out
to the Miners' gymnasium, where Pro-

sented the team and
individually trophies. Billings
won the loss and consequently re-
ceived as a permanent possession the
football that was used during the
game. Then Great Falls, having the
next choice, elected to take back with
them the individual prizes and to
wait for the team trophy. Conse-

Billings, the next day, when
they left, were showing the handsome
mark. A fumble gave the
emergency caused by the tie
sil-

assurance of victory.

it seemed that the climax of the contest
had come and that the championship
was to go back with the Blue and
White. It did not seem possible for
Billings to do much in the minute
and a half remaining.

However, after receiving the kick-
off, Inville, the Sugarbeeter quarter-
back, resorted to forward passes to
Josephson, clever little end. One was
ruled completed after there had
been clear interference with his pro-
gress down the field and another long
one by a fumble. In the first half it
had seemed that the climax of the contest
had come and that the championship
was to go back with the Blue and
White. It did not seem possible for
Billings to do much in the minute
and a half remaining.

As soon as the pistol barked to end
the game, there arose a demand to
know which team had the advantage
in yardage. The School of Mines, who directs the
high school football championships, im-
mediately ruled that there was no de-
cision by yardage in case of a tie in the
final period. The three Tech champions, and that the big trophy
for the winning school and the gold

bers for coats after the music again, this time for 3 yards and
the second play the Miners pushed
over for the score.

With the count 6 to 6, Bul
ingen sailed squarely between
the goal posts for the extra point and
a victory.

During the final few minutes or
play the Tiger aggregation opened up
and tried to pull out with a last min-
ute victory on a pass. H. Ball was
hurling the oval and twice brought
the spectators to their feet with 35-
yard slants that the Miners knocked
down with the tips of their fingers.
When it looked as though Tatro was

was to go back with the Blue and
White. It did not seem possible for
Billings to do much in the minute
and a half remaining.

DISSING AT THE
WINTER GARDEN

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of in Butte
43 West Park Street

half the Miners backed up on defense
and held the rushes of the Hutchin-
son proteges fairly well. Bul
ingen, Montana punter, out-kicked the Tiger
toe performers, gaining from 10 to 20
yards on practically every ex-
change.

Johnson, the hard-hitting Tiger half,
was the best performer for the local

...and the Tiger toe performers, gaining from 10 to 20
yards on practically every ex-
change. The handicapped blonde charged the line
viciously and seldom failed to drill a
hole through the green defense.

Make Sensational Run.

Thompson with his 35-yard sprint
was the most sensational single per-
formance of the afternoon. Aho, halfback for the Montana
aggregation, was the shining meteor

(Continued from Page Six.)
MINES-IDAHO TECH. GAME.
(Continued from Page Five.)

among the Miners and was responsi-
ble for most of the enemy gains. The
tackling of the Tigers seldom rose

above the mediocre.

Lineup: Tech. Position Montana
Tatro lb. Stodden
Brimhall rt. Shaffer
Kelley tc. Murphy
Robbins c. Mayo
Bennett rt. Powell
Campbell rt. Quinn
Miller tc. Keils
Sell tc. Thompson
Hodson lb. Aho
Johnson rh. Sigle
Thompson lb. Bullwinkle

Substitutions: Tech, Hart Ball for
Thompson, Ham Ball for Johnson,
Johnson for Ham Ball, Ham Ball for
Sel, Barlow Thompson for Ham Ball,
Barlow for Thompson.
Montana, Dennehy for Sigler,
Healy for Stodden, Johnson for Mayo,
Jeflers for Bullwinkle, Hendrickson
for Keils.

Officials: Umpire Bentley; referee
Breashears; head linesman Holmes.

THE 1926 ANNUAL STAFF
(Continued from Page 1)

H. F. Weyerstall .. Artist
Wallace B. Tanner ..... Seniors
Donald O. Noel ..... Sophomores
Miss Maxine Marvin, Francis
Lyden ..... Freshmen
Miss Tess Dorah ..... Co-Eds

HUBBARDISMS
Never explain—your friends do not
need it and your enemies will not be-
lieve you anyhow.

Men do not lack strength; they
lack the will to concentrate and act.

The highest reward that God gives
us for good work is the ability to do
better work.

The man who knows it can’t be
done counts the risk, not the reward.

Everything is waiting and watch-
ing you to see what signal you hoist
up, so sedimentation does not take
place; to break the ankylosis of self-
complacency; and start the stream of
public opinion running, so it will
purify itself—Elbert Hubbard.

MONTANA INTERCOLLEGE
GA COUNCIL
Arranges Basketball and
Football Schedules

The annual schedule meeting of
the Montana Intercollegiate Athletic Con-
ference was held at the New Finler
Hotel in Butte on December 11 and
12, with all of the five member col-
leges represented. Those present
were Coach Ott Romney of the State
College; Professor D. B. Vluley and
Coach Bruce Hollister of the Normal
College; Professor E. T. Walker of
Intermountain Union College; Father
P. F. McVeigh and Coach Eisenhower
of St. Charles; one representative
of Montana Mines; one of Montana
College; other representatives eligible
to attend the meeting, were unable to
be present.

The coaches who gathered on De-
cember 11, worked out their schedules
for basketball for the coming winter
play and their dates for football for
next year. They also discussed pos-
sible baseball and track engagements
but found little chance to develop
either sport to any advantage.

The Board of Control, consisting of
the faculty representatives, met the
following afternoon. They
sought the schedules drawn up by the
coaches, adopted several provisions for
their by-laws, and acted on two
questions of eligibility. The Normal
College brought up the question of
whether the summer quarter should be
counted as regular attendance or
should be ignored. The School of
Mines brought up the question of
whether the fall quarter should be
regarded as regular attendance or
should be taken to clarify the word-
ing of the constitution and that men
enrolled at these two institutions
should be eligible for competition this
year immediately after the holidays.

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complacency; and start the stream of
public opinion running, so it will
purify itself—Elbert Hubbard.

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**BASKETBALL AND FOOTBALL SCHEDULES**

(Continued from Page Six.)

Frosh vs. University Frosh in Bozeman.
Feb. 27. — Intermountain Union vs. Normal in Helena.
Feb. 27. — University vs. Montana State at Missoula.

**FOOTBALL SCHEDULES**

Oct. 15. — Intermountain Union vs. St. Charles in Helena.
Nov. 6. — M. S. C. Frosh vs. Intermountain Union in Helena.
Nov. 11 or 13. — Mines vs. Normal in Butte.
Nov. 21. — St. Charles vs. Intermountain Union in Helena.

**DEBATE PROSPECTS**

Owing to the rush in connection with interscholastic football, which has kept Professor Scott, debate coach, extremely busy, but little has been done as yet with forensics. The candidates for the varsity and freshman teams have been studying the child labor amendment question which will be argued this year by doing outside reading for a general background. Bibliographies of material have also been made and books and pamphlets available, in Butte libraries have been located. Plans are being made for the candidates to use part of their spare vacation time in securing more material.

Immediately after the holidays the debate squad will go into active preparation for the winter campaign. By that time definite dates will be announced for the various contests and it will be possible to determine when the tryouts for positions on the teams may be held. At present all of the colleges in the state have applied for places on the Ore' Diggers' schedule and there will be enough contests to keep the teams busy.

Those who are interested in taking part in the annual School of Mines Oratorical Contest are also being urged to get started on their orations. The contest this year will be held much earlier than previously because the state contest will be earlier, those who get started now will have an abundance of time to work out their ideas, to get their orations written and committed, and to secure coaching on delivery. Delay will make necessary hasty and ineffective work. Under the requirements of the Montana Intercollegiate Oratorical Association, the orations shall be upon some topic of general and timely interest and must be not more than 1,750 words in length and not less than 1,500. They must be original compositions except for advice or information received from others.

The School of Mines contest will be held the last of February. The medals, duplicates of the gold, silver and bronze ones given last year, have already been ordered. Two of last year's contestants, Henry Stanley and Wallace Tanner, are in college and are ready to resume their rivalry. Any others who are of literary taste and who wish to develop their ability in public speaking are urged to get into the running. The winner, aside from the gold medal received, will get the trip to Missoula in March to the State contest.

**Mines Students Entertain Kiwanis, Rotary and Exchange Clubs at Joint Meeting**

A publicity stunt that gave three hundred Butte business men an interesting hour was put on by Wallace Tanner, '26, Harry Nightengale, '27, Harold Johns, '28, Archie McPhail, '29, and Professor Scott on Wednesday, November 25, when the Mines men were asked by Butte Kiwanis to prepare a program for a joint meeting of Kiwanis, Rotary and Exchange clubs of the city. After the usual preliminaries customary to such an occasion, Professor Scott took charge as chairman of the proceedings and introduced in turn the other four who explained certain of the Ori Digger student activities as they are conducted on the Hill, Publications, debate and oratory, orchestra and glee club, social events, the Co-Ed Club, the interscholastic football championship, and athletics, were all discussed, interestingly and well, by some of the men. Harold Johns, who had his debating style in fine fettle, brought down the house with an unusually good plea for support for Mines athletics by Butte business men. Those who heard him talk about his speech and it may be that something worth while will come from it. After these talks, Tanner, McPhail, Nightengale and Professor Scott, put on a skit that caused much laughter. Telephones had been secured from the local exchange and conversations were held between Scott, who was arranging the state championship game, and the coaches of the rival teams represented by Tanner and McPhail. The objections to everything under the sun, as they were raised by the coaches, and as Scott attempted to adjust them, brought to the business men some realization that handling a state championship was not all profit and glory. The whole program went over so well that the civic organizations have expressed their intention of calling on the Mines for programs occasionally in the future.

A man is not the man who drinks, nor smokes, nor acts, nor different thoughts.

A man is he that can say "No."

When in his life temptations show.

—Richard F. Wolfe.

During the summer Professor A. E. Adami and family spent a month out in the Puget Sound country, returning just in time for Prof. Adami to make his annual pilgrimage to Maiden Rock with the plane surveyors. Professor Hartnell also was on the wing all summer long, his travels taking him to Seattle and then by auto down to San Francisco and Long Beach. Teaching in the summer normal school at Miles City claimed Professor Scott, who returned claiming that it was so hot over there that he would feel perfectly at home in the hereafter awaiting him. Coach McAuliffe journeyed to Chicago, where according to rumor, he just barely managed to escape in a state of single blessedness. Mr. Carroll took to Yellowstone Park. The other members of the faculty remained in or near Butte.

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—The Staff
ALUMNI NOTES

Owen F. Brinton, '05, recently resigned as General Manager of the Jib Mining Co., Basin, Montana, and has opened an office at Salt Lake.

Fred Gaethke, '17, and Murl Gidel, '22, have arrived at Bremen on their way to Poland.

August Grunert, '10, who is in charge of the Jib property at Basin, Montana, has reported to the chairman of the stockholders' board of directors a strike of free gold in the Katie ground of the Jib Mining Co. Samples of the ore seen in Butte showed a liberal sprinkling of the yellow metal.

EVANS' ADDRESS TO ALUMNI

(Continued from Last Issue.)

The largest stone thus far found weighed just forty-five karats. Many people confuse the price of diamonds sold in lots with the price they have to pay per karat when buying diamonds for personal adornment. I may add here that from only two to four per cent of the diamonds mined are good enough or large enough to be cut into stones which are suitable to be worn for personal adornment, in a ring. Lots of diamonds include everything, jagged, broken, flawed, off-colored, large and small, good and bad; thus the difference in price. The stock diamonds are used principally in the industries for grinding.

"Prospecting."

Formerly the prospectors were given a roving concession in a certain district and worked wherever they thought there were diamonds. No system was used. Now, the entire country is being systematically prospected. From Telkapan a base, every stream is prospected as it is reached and none are now passed by because it does not "look good."

There are two methods of prospecting; by drilling where there is much water and heavy over burden, and by trenching. The river flats being usually covered by much more over burden than the creek flats, are prospected by means of Empire drills. There are two sizes of these used—six inch and nine inch in diameter.

For a six inch drill a crew of six men is required; for a nine inch, nineteen to twenty men. These crews are in charge of a native boss or Capita, which word is a derivation from the Portuguese.

From two to four holes are drilled per day, depending upon the character of the over burden and depth of the bed rock. From ten to twenty feet of drilling is accomplished per day by each drill. One white man usually supervises the work of two drill crews.

In general prospecting on river flats, using Empire drills, lines of drilling holes are usually put from hundred meters apart and the individual drill holes on the lines fifty meters apart.

The gravel from these holes, if there be any, is washed and sized, jaggled and the concentrates picked for diamonds. Whenever a diamond is found, four more holes are drilled, ten meters away and on each side of the discovery hole. Should any or all of these holes show diamonds, the same procedure is followed, until the limits of the deposits are determined. When a hole shows blank, the work is dropped and the drill is advanced to drill more holes fifty meters apart. All holes are carried to bed-rock and before a casing is pulled, the drill boss must show the man in charge a part of the bed rock sample. The natives soon get very proficient in the running of a drill, and note with great accuracy when the gravel below the silt or clay is reached.

It is interesting and remarkable to watch the development of raw natives who go to work on a drill. At commencement the work is exceedingly difficult and tiresome, and the men, with less stamina very often desert their work and return to their villages; but the best men, or those who stay, soon begin to develop a fine set of back, shoulder, and breast muscles; and in a short time the work is carried on with much talk and song. The drill crews make up songs and these are sung when the drilling is being done. These songs often portray some characteristic of the white bosses. When a crew is singing and is noisy, it is working; sullen drill crews indicate that less work is being done. The results from drilling are very satisfactory indeed, and some of our largest deposits have been discovered by this means.

"Creek Prospecting."

This kind of work is carried on by means of trench sinking. It requires a crew of from sixty to eighty men, usually bossed by two or three natives, and all under the direct supervision of one white man. On general prospecting, the trench line will usually be spaced 400 meters apart, and the trenches on these lines placed so as to cut a section into the valley. Trench lines are placed perpendicular to the general direction of the valley, for this reason are not always parallel.

(To be Continued.)

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