TWO JOIN TEACHING STAFF
by Carol Stolz
Two new faculty members have joined Montana Tech’s teaching staff this spring semester.

Dr. Larry G. Twidwell, an associate professor of metallurgy, will teach thermodynamics, metallurgy. He will also teach in environmental engineering and mine and industrial ventilation. Mr. Bossard is currently working for Anaconda Co., where he performed special assignments for the manager of Montana operations. Previous to this, he was a ventilation and industrial hygiene engineer and assistant planning engineer. Bossard has a B.S. and M.S. from Missouri School of Mines and a Ph.D. from Colorado School of Mines.

Mr. Floyd C. Bossard will join Montana Tech as any on a part-time basis as an assistant in mining engineering. He will teach courses in environmental engineering and mine and industrial ventilation. Mr. Bossard comes from Albuquerque, New Mexico, where he held a position in the reactor development division of Sandia Corp.

He has also been a research chemist for Monsanto Research Corporation in Miamisburg, Ohio. Dr. Twidwell has a B.S. and M.S. from Missouri School of Mines and a Ph.D from Colorado School of Mines.

STUDENT AIRLINE FARE THREATENED
by Jane Rohret
As examiner of the Civil Aeronautics Board (CAB), Arthur S. Present has declared the half-fare for student airline tickets discriminatory to adult passengers. If his proposal to eliminate the student half-fare is upheld by the board, it will end within 30 days.

There are several arguments against this measure, mainly that it could hardly be discriminating against anyone. Due to the stand-by nature of the program all the students are filling airline seats that would otherwise remain empty. Rates may possibly rise for all passengers if the airlines lose their large student business.

Also the move could necessitate more college students to travel in cars (often unreliable ones) or to hitch-hike over long distances, which is unfavorable in the light of safety. Another complaint is that banning special student fares may result in similar moves against fare discrimination to other categories now provided by the airlines.

Because this is a concern to Montana Tech students as well as others, we are urged to contact our Montana representatives and inform the Civil Aeronautics Board of our feelings.

Report published
by Mary Ann Walker
The Montana bureau of Mines and Geology recently issued Special Publication 45, its Biennial Report covering the period July 1, 1966, to June 30, 1968. This is a boost from 539 students last year to 618 students this year. Tech’s registrar Frank Kelly reports that by February 14th the total enrollment may exceed 700 students. This would be an all-time high for Montana Tech. A little brighter note on the reported increase is that the female enrollment at Tech has increased by 28 per cent while the male increase was reported at only 23 per cent so fellows the cool situation at Tech is beginning to brighten a bit and if you can find a place to park your heap, you should take advantage of the increase, but hurry.

48 make honor roll
by Cliff Hoshaw
Montana Tech recently posted its honor roll, and students soon found that eighty-four of their number had achieved at least a 3.25 grade index.

Six of these students maintained perfect 4.0 grade indexes. Twenty students had indexes between 4.00 and 2.75. There are sixty-eight students with indexes between 2.75 and 2.00. Of the eighty-four students who made the honor roll twenty students who had indexes between 4.00 and 2.75. They are Robert B. Barnes, Robert L. Ribbins, Daniel J. Pizzolato, Scott E. Hulse, John T. Jonas, James W. Martin, Larry P. Diede, Gari A. Blasovich, Leo E. Heath, Loyel M. Johnson, David H. Rust, William C. Rust, and Ione M. Schaller.

Twenty-five students had indexes between 3.75 and 3.50. They are Robert B. Barnes, Robert L. Ribbins, Daniel J. Pizzolato, Scott E. Hulse, John T. Jonas, James W. Martin, Larry P. Diede, Gari A. Blasovich, Leo E. Heath, Loyel M. Johnson, David H. Rust, William C. Rust, and Ione M. Schaller.


Of the eighty-four students who made the honor roll twenty-seven are freshman; twenty-eight are sophomores; seventeen are juniors; and sixteen are seniors.

E.M.C. TO OFFER COURSES IN MEXICO
Eastern Montana College will offer a new study program for summer session students this year... a five-week session "south of the border" in Mexico City.

Participants will attend the University of the Americas for the first half of summer session, from June 16 through July 18. While earning college credit up to a maximum of nine quarter hours, the group will visit many points of interest, including the Pyramids of San Juan Teotihuacan, the Basilicas of Guadalupe, Oaxaca, Patzcuaro, Taxco, and Acapulco.

The program was arranged by members of the E.M.C. International Education committee and applications are now being accepted.

"Too many of our Eastern students have never been beyond the borders of the state," said Dr. Albert Hopkins, professor of Education and International Education committee member. "They don't understand other cultures. This will give them an opportunity to live and study in another country and... for those in teacher education... will make better teachers of them."

Students who have completed at least three quarters of college with a satisfactory standing are eligible to apply for the program.

(Continued page 3 column 3)
Speech participants register for Tournament.

Speech tournament success
by True Trueaz

The Montana Intercollegiate Speech Tournament was held at Montana Tech February 7 & 8. It was the first tournament held under the new constitution which was revised last spring and the U of M. first tournament held at Tech. Second place went to MSU, student director. A trophy and a plaque went to Eastern Montana College, Carroll College, Eastern Montana College, and Rocky Mountain College. In the scheduled rounds, which were open to the public, a debate was held for the students and their coaches at the Holiday Inn. Mr. Laity, Mrs. Vine, and Mrs. Kinnon, first place winner in Men's Oratory, won the Montana Power Cup.

Chess tournament

The chess club is now in full swing with its activities. The first tournament of the year has been completed, another tournament is scheduled and plans are being made to enter outside competition next year. The winners of the first tournament this school year have been announced by the club advisor, Mr. Young. Taking top honors was Tai Hum, who defeated Mr. Hilchie in the championship match. The consolation match was won by Larry Hoffman, and Kent Engler taking fourth.

Another chess tournament is now getting under way. This tournament will be open to all intermediate and beginner chess players who have not placed in any other tournament. Registration for the tournament was during the week of February 10 through 14. The tournament, which began February 17, was a round robin and each match had a judge. The Intermediate Chess Rules apply.

Also, starting with the fall semester of the new school year, the chess club is making plans to enter the Intercollegiate Tournament Program, which is sponsored by the Association of College Unions International. This program will have the Montana Tech chess club participating in chess meets in other cities.

Self expression, not repression
by Gordon Crawford

It is really no matter that some of our great men are gone. It is just as well that we will never have any chance to hear them speak, read their works, or listen to their arguments. Men like Martin Luther King, and Robert Kennedy are just as well off dead.

I say this because at this time there are meetings going on; meetings that will concern every student in the Montana University system and will concern to a greater degree every student in the other portions of Montana's educational systems. Legislation, namely Senate Joint Resolution No. 6, is being considered which, if passed will restrict and control who we as students will and will not be able to invite to speak on Montana campuses. I say that our great men are better off dead because, if passed, this legislation could deny them an audience with these men still living. Voltaire once said "I disagree with what you say, but I will defend to the death your right to say it." If a man is denied an audience then surely his right to speak and be heard is being jeopardized upon. Further, if I am denied the liberty to listen then my rights are being encroached.

The French philosopher Jean Jacques Rousseau in the novel Emile, stated that "the aim of education should be self-expression, not repression. Education must be many-sided and the pupil, not the subject matter, is most important." If education is to be many-sided then we "pupils" must be allowed to hear both sides of an issue, the left and the right. Resolution No. 6 in conjunction with the "power-of-the-purse" can be used to restrict us to hearing only whatever side the legislators dictate we shall hear. Thus we become trained — not educated; indoctrinated not taught. Indoctrination is the key to control of the people; education is the key to control by the people.

In quest of the fabulous invaluable
by Eric Johnson

Are you one of those desperate persons seeking a unique gift for a dear old Granny, affectionate aunt, or the person you hold nearest to your heart — girl friend, boy friend, or family member? The Mineral club offers this answer. In our modern laboratory, amidst the wheels a turning and the chaldrons a boiling, mere mortals turn licky old rocks into flashy ornamental jewelry — rivaling, in value, the very finest silks and spices from the East—with the touch of a grinding wheel and a few magic words. The Mineral club offers these wonders and more! Imagine yourself jogging through the tules in quest for the fabulous invaluable, warding off the gobblins (enticing ab- gobblins) and getting your exercise! Oh, for the fair female feathability for a field trip.

For a display of lapidary magic fresh from the grinding wheel focus your heady eyes on the display case at the entrance to the main hall. If you are not content simply to LOOK, focus on the bulletin board for the scheduling of our next meeting—any sex and all sexes are welcome. As Godel once said, "Love your rocks—they love you!"

---

THE AMPLIFIER
February 28, 1969

Loading soon
says Prof. Herndon

On Tuesday, February 4, trusses were submitted to the judges of the first Truss Design Contest ever held at Tech. It is hoped that this contest will stimulate a more active interest in the Engineering Department.

Some of the many limitations on these rigid frameworks are materials used, their number, their dimensions, and their weight. Trusses must be made of balsa wood and glue, have a minimum of 23 pieces, and not weigh over one-fourth pound. Trusses must also conform to set dimensions of length, width, and height. Judges will then load the trusses to destruction. The winner will be chosen by the highest value of failure load to truss weight.

Actual judging may be in two weeks but all trusses have been submitted. Contest prizes may include such articles as engineering handbooks, slide rules, or drafting equipment.

Much incentive and workmanship go into individual trusses and great results have been attained, probably in other colleges where this contest was administered. Students are urged to view these trusses on display in the Petroleum Building.

---

Penny's
Always First Quality
4 Ways to Shop
Charge-Cash-Lay-away and Time payment

BROWN'S AUTO PARTS & MACHINE CO.
1921 Harrison Ave.
Butte, Montana 59701
P. O. Box 1939
Phone 723-5481

---

Butte
Machinery Co.
Mining, Milling, Industrial Equipment and Supplier
Complete Bearing Service

---

SHARIEF PIZZA
Will Deliver to your Door
Pippin HOT PIZZA and Chicken
CALL THE PIZZA BUG
For FREE DELIVERY
Phone 23-0143
Butte, Montana
Infrared study of Yellowstone Park

In August 1960 the U.S. Geological Survey obtained aerial photographs of much of Yellowstone Park on film sensitive to wavelengths in the infrared ("heat") range beyond the visible spectrum. This experimental project was designed to determine the kinds of geologic features that might show better on such pictures than on conventional aerial photographs. A report by H. W. Smedes entitled "Geological evaluation of infrared aerial photographs. A re-examination of the kinds of geologic..." was published in 1961.

Principal factors producing contrasting tones on infrared photographs are (1) the inherent temperature of a feature such as a hot spring or ice, (2) differences in soil moisture content, (3) type and amount of vegetation, and (4) amount of solar radiation received because of topographic position-the geographic enchantment effect. The inherent temperature produces the strongest effect. The combined effects of vegetation and topographic position are so strong that they obscure any textural differences produced by differences in texture or composition of bedrock-the subject of greatest interest. Numerous photographic illustrations and drawings demonstrate these effects discussed in the text.

Conclusions resulting from the study include the suggestions that infrared imagery is useful in determining relative moisture content and that it might help in distinguishing between soils of different origin. It is judged probable that infrared pictures taken during the hours of darkness would be less affected by vegetation than photographs taken during the day. Therefore, the frequency with which the study can be repeated is greater than with normal photography. Infrared photographs are more useful than those obtained during the hours of daylight or early evening, as were those used in the study.

The report is not a publication; only the one copy is available in Butte for consultation, and the photographs are not readily reproducible.

THE RUMPS ROOM
71½ East Park Street
Live Music Nicely except Monday
Famous for Martin McAllister Laugh In

Don't Take Our Word For It Come In and See
BILL'S MEN'S SHOP
29 WEST PARK
For the Latest in Men's Apparel

THE AMPLIFIER
Page THREE

E. M. C. OFFERS
(Continued from page 1)
gram. To be accepted, a student must have a 2.0 overall academic standing with no record of disciplinary action.

Cost of the trip will be approximately $300 for each student. This includes air transportation, room and board, supplies, and pre-arranged ground trips. A minimum of 15 student applications will be necessary to carry out the proposed work.

Courses available in major fields include Anthropology, Business Administration, Creative Writing, Economics, Education, English, Fine Arts, Humanities, International Relations, Latin American Studies, Philosophy, Psychology, Social Studies, and Spanish Language and Literature.

The Graduate School offers the Master of Arts, Master of Fine Arts, and the Master of Business Administration.

Three additional programs offered at the University of the Americas include "Workshop in Mexican Culture," "Workshop on the Economic Development of Mexico," and "Workshop in the Mexican Way of Life."

Eastern will provide counsel- ing and advisement for all participants before they leave for Mexico. In Mexico, those services will be performed by Eastern's resident faculty member and officials at the University of the Americas.

Eastern will coordinate travel for credits earned at the University of the Americas. All courses must be approved by the Committee on Admission to the University of the Americas.

Register for credits earned at the University of the Americas. All courses must be approved by the Committee on Admission to the University of the Americas. Effective April 1, 1965, the student may register for credits earned at the University of the Americas.

At the University of the Americas, the study includes the following major fields: Anthropology, Business Administration, Creative Writing, Economics, Education, English, Fine Arts, Humanities, International Relations, Latin American Studies, Philosophy, Psychology, Social Studies, and Spanish Language and Literature.

The Graduate School offers the Master of Arts, Master of Fine Arts, and the Master of Business Administration.

Three additional programs offered at the University of the Americas include "Workshop in Mexican Culture," "Workshop on the Economic Development of Mexico," and "Workshop in the Mexican Way of Life."

During the stay in Mexico City, a metropolis of nearly five million people, students will live with Mexican families. In addition to the regular program of tours, nearby places of historical and tourist interest are available.

Summer job opportunities

Students looking for summer jobs can now get help from the American Association of College Students.

In response to requests from college students throughout the country, the Association has prepared three booklets giving organizations interested in hiring college students for summer employment. One booklet lists jobs available in recreation and resort areas. More than 450 dude ranches, restaurants, hotels, and camps are included in this catalog. It also discusses ways to get jobs in national parks.

The second booklet deals with jobs in business and industry. More than 60 companies are listed with information on what the company does, what type of background is required for summer employees, and how many students the company plans to hire. Information on more than 35,000 jobs with the federal government is included in the third booklet. Each department and agency of the federal government which hires students in the summer is listed along with the academic major staff that would have to apply to a particular agency.

"These booklets should be a tremendous help to students looking for jobs during their home terms," according to Alan Jenkins, executive secretary of the AACS. "Together they represent more than 50,000 jobs. There should be something there for students with any type of background or interest."

The booklets may be obtained by writing: Summer Jobs, American Association of College Students, 30 N. LaSalle Street, Chicago, Illinois, 60603.

There is a $2 service charge to cover the cost of printing and handling of each booklet. Requests should specify which cata
goal is desired: recreation, business or government.

If you've seen the wall of ice going down the rocks in front of the Main Hall you probably thought that a water pipe had broken. But no pipes have broken, the ice is melting. Why? The explanation lies with the Mountaineering Club.

"These booklets should be a tremendous help to students looking for jobs during their home terms," according to Alan Jenkins, executive secretary of the AACS. "Together they represent more than 50,000 jobs. There should be something there for students with any type of background or interest."

The booklets may be obtained by writing: Summer Jobs, American Association of College Students, 30 N. LaSalle Street, Chicago, Illinois, 60603.

There is a $2 service charge to cover the cost of printing and handling of each booklet. Requests should specify which cata
goal is desired: recreation, business or government.
Sermon on the plant

by John McGinley

1 It came to pass in those days that a prophet by the name of Farber went into the midst of the Philistines and spoke thusly:

2 "Verily, verily I say unto you that age has deadened you and too many drunks have blinded you, for your children are bleeding and cry out to be free from footnotes and margins but you will neither see nor hear them. Therefore I shall go amongst you and tell of the grand illusion which they know as "the educational system." And so it was that he gave to the children writings that told of their plight. Now the thoughts were old, as was the means he used to convey them, for he spoke in a parable.

4 His language was coarse and desperate—the situation was despair.

5 Now some of the words fell on good soil, where they were nourished and grew. But some of the words fell on stony stones, where they were set upon and blown out of proportion.

6 Thus also the prophet was set upon by the people he wished to help and by them he was betrayed in Montana.

7 Now it was in those days when our Ferber and his cronies discovered dirty words in the Sermon and, being enraged by these words, plotted against the disciples of the prophet.

8 Thus spoke the scribes: "Our children shall neither hear nor read academic material, for it would corrupt them and destroy their chaste minds."

9 This was true, because every day new words were never spoken at universities nor are they ever found in "good books."

10 And so, without even commenting on the validity of the writings, the scribes set about to cruelly efface and they called the effigy "academic freedom." Above the cross they printed the word EXPURGATE.

The attempt was abortive.

11 All has been in vain, for in the year one thousand nine hundred and sixty eight and when it was over, it came to pass that nothing came to pass.

A sizeable paradox

by Larry Hoffman
CROSS CUT
by Larry Hoffman

Well, I've been good for a whole semester and I'm damn sick and tired of it. For those of you who are new to our little school this year, I used to write a regular column called the Cross Cut but I had to go into hiding. However, I can't resist the urge to make a few observations any more.

Mike has given me a fascinating booklet called 'Characteristics of the College Market--Expenditures on Women's Clothing,' a study that was done for a subsidiary of Readers Digest. It is simply packed with good information, especially if one reads between the lines. This study was taken among 1,010,000 undergraduate women students. Here are the facts:

99% of all college girls own one or more bras. This means that there are between 18 and 20,000 college girls that do not own bras, among those interviewed. New out of this percentage it would be interesting to have a statistical breakdown of the reasons for not owning a bra. If the trends of this campus are indicative, the proportion of women who do not own a bra for lack of need would be small.

That's a lot of college girls to be running around apparently without a bra. I suppose that there are a variety of reasons, but perhaps the most obvious is that as of now the only statistics which are indicative are the proportion of women who own bras.

Things get more interesting.

The national average of college girls taking gym courses is around 68%. The average of girls who own gym suits is only 45%. This would seem to indicate that girls gym classes could be the most interesting show since Aumil Maude was assissed by her pet wombats.

Only 72% of all college girls own car coats. This leaves them with only very limited means of keeping warm in cars. Perhaps this accounts for the reason that keeping warm in cars. Perhaps this accounts for the reason that college campus parking regulations at Tech have recently been brought to my attention, and that I, were a student at Montana Tech, I would want to voice my dissatisfaction with regard to the parking regulations.

Perhaps some of the student body have been perceiving the parking regulations as the last Amplifier issue. Some guys and dams seem to have been published in the Amplifier that they have formed an Anti-Mike Dewey Mafia. They, I am told, have launched a crusade aimed at having Mr. Dewey, the Editor, summarily dismissed. They further, circulating a petition soliciting support and sympathy for this undertaking. In their self-assigned roles as the champions of morality and defenders of honor of the school, they are resolute to the point of being hysterical and desperate. Nothing short of an outright impeachment of the Editor will satisfy them and restore peace to their tormented minds. They are, in other scenes such as when the intolerant and backward Church forced Galileo to recant and put an end to his teachings, the rest of his life. I guess they were looking for a cause. It will be interesting to see what comes out of this.

I noticed a strong sentiment among some students that the bikini picture was uncalled for. It was out of place, and it was poor taste. Some even went so far as to assert that it would hurt the school's image. I believe that the Consultant Tech enjoys quite an eminence and is, not in any way, vulnerable to or adversely affected by the publication of a picture of a bikini girl on the cover of the Amplifier. It is a sad state of affairs that some unkind remarks, with scandalous implications, pass about the young lady in question. Such remarks are unfair and they testify to the notorious tendency on everyone's part to sasinate others merely on one's preconceived prejudices, whims and fancies. Also it is reminiscent of the medieval witch hunting practice. As to the propriety of such a picture in the school newspaper, I fail to see how anyone can make a sensible, tolerable and an objective case that it is not a proper one.

I would like to digress, in order to demonstrate the glaring inconsistency in the moral standards of some indi- viduals. "Boston Stranglers" trys cold-blooded murder acts and it was shown for a considerable length of time in Butte, so that no one would note that it was shown during the Christmas season. "Bonny and Clyde," another highly acclaimed movie, is full of scenes where the hero...
asked for a two week

to go to Mexico on his honey-

to the home office,

man has been loosened up by a

"Please extend vacation wo

small wench."

written: "Virgin wool comes from

fastest."

One day one of them died and

to keep them, she took them to

mounted. "Oh, no," replied the

A Complete Pro Ski Shop For All Skiers

FEATURING .

Head Skis & Skicwear
Le Trappeur Boots
Hemke Boots
All Types Bindings, Poles & Accessories
Beginning Ski Package Deals From $68.95
Used Equipment

A SHOP RUN BY EXPERT SKIERS FOR SKIERS
The Military Draft

by Lloyd J. Little

How can a free society condone institutionalized slavery? By what right can any nation, subject its young men to the mangle; chronic insecurity of a perpetual and arbitrary death sentence? A death sentence which may strike any one at any time—a death sentence which hangs suspended like a giant guillotine over the neck of every young man, blocking any future road he wants to travel, forcing him to spend his growing, formative years in a state of abject fear—and hatred.

If a man values his rights and freedom, he should and will fight for his country—if his country's government protects his freedom and rights. This does not give his country the "right" to destroy his freedom first by drafting him under the gun into an army of slaves. How can one expect young men to fight for a freedom which has been made non-existent by the military draft? Thus the military draft destroys the initiative which a free man would develop by himself, if his country (and his rights, were in genuine peril.

The military draft is a grotesque monstrosity from any viewpoint. Free men risk death because a gun or the crack of a whip. Slaves fight only at the point of a sword. Free citizens will not support a military draft. What will happen if his country (and the future of this nation) should be in genuine peril? The military draft is defended primarily by those who claim tribal power over individual men in the name of the state, and deny the existence of the rights of individual men. Other reasons include preserving healthy young men, and thumb-worn tradition.

Observe the lack of need for a large standing army (the kind the draft was initiated to provide). We live in the technological age, not the age of the grand army. Minds are needed to fight modern defensive wars—not stockpiles of flesh. Huge masses of men become only potentially bloody pulp in technological wars. (Engagements such as South Vietnam are neither technologically nor defensive, but are the purposeless sacrifices of American men and wealth—the bloody realization of sixty years of purposeless foreign policy.)

Observe that the very intelligence necessary to defend America technologically is being drained into the sewers of oriental mystic cults, drugs, and crime—all attempts to escape the gnawing torture of the perpetual, arbitrary death sentence. Observe that the more sensitive the young man, the more he is torn by the torture rack. Think of the brilliant young scientist converted into a drunken, mystical hunk to the SSS be neither created, nor could defend himself against. Do you call this justice? Do you blame modern young men for their responses to every present torture beyond their control? Do you like what you see roaming the average college campus of America? Kind hearted soul, you asked for it!

Fortunately, not all Americans have adopted the attitude: "What bashed dad's and granddad's skulls is good enough for your skull, too, sonny." Many responsible Americans are vowing vigilantly to end this enslavement and torture of young Americans. Such giants as Senators Barry Goldwater and Mark Hatfield (who, among others, are sponsoring a recently introduced Senate bill to end the draft, and to replace it with a volunteer army) deserve the pure gratitude of all American young men. President Nixon (already stated that he favors a volunteer army. Miss Ann Rand (author of The Fountainhead and Atlas Shrugged) has long led and is leading the national fight against the draft. (The results of her battle are only beginning to show—the fact that this article was written shows that she now has more force behind her.)

Regardless of political, religious, or professional orientation, all Americans who value the freedom, and well being of young men (and the future of this nation) should devote all-out efforts to secure passage of the recently introduced Senate bill to replace the draft and to establish a volunteer army. The call to freedom is the call to fight, to carry the torch of freedom and well being of young men in the face of any opposition.

We are a nation of serfs awaiting the clanking of chains and the whip's crash echoing from the dark ages, this question will be resolved in the approaching and near and over the military draft. What will you do?

MILICIANO

by Mike Dewey

The sea lapped at his feet and man had for a fraction of eternity pondered the faceless question after the Garand had done its work in his chest. Twisting momentarily he thought of the oath that had returned to his native home. The "Mili- ciano," was scarcely over 20, slightly younger than his own son who'd died in a far off land in Asia fighting the energy for whom he had spent several years in a penitentiary in the U.S. of A. "Coon," he swore, "coons," and tears melted with the cold perspiration on his forehead.

Today, it is a federal offense to fight Communism, to do so is to risk being torn to shreds, and a couple of fabulous speakers. Members are also invited to attend scheduled social events; at least two will be held during this school session.

The program this semester deals with the lives, travels, and letters of the apostles, emphasizing the life of Paul. Each meeting each period of time is reserved for discussion of questions arising from religion, such as evolution or certain areas of philosophy. Any interested student is welcome to attend and participate. The L.D.S. Institute Club meets every Tuesday at 6:00 p.m. in Main 106.

Mineral Dressing news by Janet Martin

The L.D.S. Institute Club is enhancing meetings with films and a couple of fabulous speakers. Members are also invited to attend scheduled social events; at least two will be held during this school session.

The program this semester deals with the lives, travels, and letters of the apostles, emphasizing the life of Paul. Each meeting each period of time is reserved for discussion of questions arising from religion, such as evolution or certain areas of philosophy. Any interested student is welcome to attend and participate. The L.D.S. Institute Club meets every Tuesday at 6:00 p.m. in Main 106.
Keep America Beautiful Join Peace Corps

The Peace Corps plans to train 1,465 volunteers in the early months of 1969, thus adding 300 openings to those available in early 1968. Trainees will work in such areas as agriculture, education, health and community development. Volunteers will be trained in the country they are to serve.

Single women are needed in Venezuela to help bring about better sanitation and community improvement. Highly skilled volunteers in India will help supply more and better teachers. The government of Fiji needs help in developing their natural resources and increasing food production. Volunteers with agricultural experience will work with animals or food. Fiji's great forest potential will be tapped by volunteer foresters.

Volunteers with geology degrees will help plan a necessary systematic geological mapping of the country's entire 7,940 square miles. They will also train local personnel for the geological survey department. Mechanics are needed in Guinea to help train Guinean mechanics. Men are needed with skills in general mechanics, diesel, heavy equipment, machine, automotive-electrical, industrial-electrical, diesel fuel systems, and rewiring motors and generators.

These are only a few of the many fascinating opportunities available now in the Peace Corps. To find how you can qualify for such a once-in-a-lifetime chance, write to: Peace Corps Information Center, Room 715, Washington, D.C. 20525.

Some representatives nearest Butte are:
- Carolyn Burgin
  Main Post Office, Room 274
  Denver, Colorado 80202
  Ph. (303) 297-4730

- Larry Pitman
  1650 High Street
  Eugene, Oregon 97401
  Ph. (503) 344-8344

- Paul Watts
  P. O. Box 67
  University Station
  Seattle Washington 98105
  Ph. (206) 543-0640

MOVIE REVIEW: BULLITT

Bullitt, starring Steve McQueen, has to be one of the fastest moving and one of the most realistic modern police films ever made. With a minimum of sensuality and a maximum of excitement, McQueen, a police lieutenant Frank Bullitt, races through San Francisco in pursuit of the "bad guys". This pursuit includes a nerve-racking chase scene with our hero, in a Mustang, first being chased and then chasing after the murderers, who are in a Charger, and over the hills of the California city. The audience is on the edge of their seats as the cars race through stop signs, around pedestrians and other motorists. This feeling is enhanced by the camerawork which makes each viewer feel as if he is actually in the car with McQueen, who does all his own driving in the film. The chase scene ends as the bad guys crash to their fiery deaths, and McQueen is seen thereafter "hoisting it" - the police department being reluctant to allow him use of a vehicle after seeing his demolished, bullet-ridden Mustang.

This scene has to be the most exciting and it leaves the audience in a state of momentary shock, but many other scenes are so true-to-life (or death) as to have the same effect. A shotgun victim, realistically bloody, a view of the morgue and the monologue of the coroner as he describes the wounds of the deceased, a stranded girl, complete with neck burns, and finally the chase around the 727's in the huge, dark airport. (during which McQueen interrupts his pursuit to lie under the wheels of a departing jet.) and the big gundown in the crowd of passengers, leaving the villain unquestionably dead in the doorway.

Acting ability is not given emphasis amid the action, but McQueen plays a hard-working, if not always honest cop. Another familiar face is that of Robert Vaughn who is a ruthless and ambitious district attorney.

The case is closed, and an exhausted Bullitt walks back to his apartment to find his girlfriend peacefully sleeping in his bed. The last thing we see is his revolver balanced on the stair railing, ready for instant use, or, as the little lady would have it, waiting to be permanently put away: "Don't take your gun to town, Frank. Leave your gun at home!"

Theta Tau elects

In a recent interview with Joe Hugo, an active member of Theta Tau, it was revealed that the organization had its annual election of officers.

The new officers that were named are: Roger Miller, Regent; Ron Derian, Vice-Regent; Tom Schnieder, Treasurer; and Harry Sowers, Scribe.

All other offices were also filled, but, the officers will not be named until a later date pending an investigation of their scholastic averages.

Evolution of Japan

Dr. Masao Minato, Head of the Department of Geology at Hokkaido University, Japan, will speak on "The Geologic Evolution of Japan" this evening at 8:00 in Metallurgy 115. He will also show a film.

His appearance here is sponsored by Sigma Xi.

Dr. Minato is teaching at the University of Montana this year. Students are invited to attend the lecture and movie.

Keep America Beautiful Join Peace Corps

by Colleen Caron
NEW STUDENT UNION WORTH MONEY

Recently you might have noticed an article (or possibly missed completely or ignored) an article accompanied by a picture on the front page of the Montana Standard. This showed the Student Union Building as an architect's projection after additions and improvements were implemented. Did you stop to think what this means to you? You should. For one thing, it means you pay $30 more per year, but before you start screaming about higher payments, listen to a few of the advantages.

Number one, consider the fact that the SUB is the only building on campus that is the student's property, and student paid for, as I understand it. It is on campus almost totally for student use, comfort, and enjoyment, and there is no question as to whether an increased SUB facility is needed. All one has to do is sit in the SUB at noon or get jostled around in one of the push, gouge and elbow matches that are humorously called dances to know that we need a larger SUB. A more systematic snack bar and a central food service for the dorm would also be provided. A larger, improved version of the SUB would also look good to students considering Tech for their future education, and is vitally needed for expansion of our school. Keep these things in mind if you are asked your opinion on a new SUB.

FASHION'S CORNER

by True Truex

Is the question skirt lengths? No! Hem lengths. There can't be one particular hair length that could be called "in" for this season (and well heeled ones as well) will coordinate hair lengths with hem lengths for the total look. '69 is the season to be versatile with your hair styles and there are many ways to create the look you wish. Follow your mood and set a style to suit it. Wear your hair long or short; but to achieve the different lengths don't have to cut it or try to grow it longer. Simply try slipping into a short stretch wig or maybe add the now popular one style to another at the drop of a hat—or wig.

Hair pieces seem essential now but a proper styling of your own look is also important. One of 3 basic styles should be chosen for a basic look: Mini, Midi, or Maxi.

For the maxi look hair should be at least 6 inches from the crown and semi shingled at the nap of the neck.

To go on for a midi look, hair should be at least 5 to 6 inches from the crown or just long enough for a small flip at the bottom.

Ten Commandments for the Student in Analytical Chemistry


1. Thou shalt Not Kill Unless Thou Canst Prove that He Did Spit In Thy Unknown.

2. Thou Shalt Honor Thy Neighbor's Offactory Sensibil-

3. Thou Shalt Not Pencil Titrate.

4. Thou Shalt Not Take the Name of Thy Professor in Vain.

5. Thou Shalt Not Remain Forever on the Pans of Thy Balance.

6. Thou Shalt Keep Thy Desk Spotless — That Thy Days May Be Long In This Laboratory.

7. Thou Shalt Not Commit Adulteration — Of Reagents.

8. Thou Shalt Love the Storeroom Man As Thyself.

9. Thou Shalt Not Covet Thy Neighbor's Endpoints, Nor his Success, Nor His Clean Equipment, Nor Anything That is Thy Neighbor's.

10. Two Days Shalt Thou Labor, Sweat, and Swear in the Laboratory — The Others Are Set Aside For Thy Professor's Peace of Mind — and For the Conservation of Thine Own Sanity.

Applications due

by George Rider

Applications for academic scholarships must be turned in to the Scholarship Committee before March 1, 1969.

Any student interested in such a scholarship should obtain the necessary application forms from Mr. John Dunstan, Financial Aid Officer; fill them out; and return them to the Registrar's office before the indicated date of March 1, 1969.

Over half of the scholarships awarded cannot be decided until after second semester's grades are recoded, but many will be awarded at the Honors Convocation in May.

Jesus H. Christ, what was God's son's name anyway?

CHARLES MCDANIEL
Mathematics short § teacher

The Mathematics Department has compiled its work load statistics to determine present and future staffing requirements. The examination and interpretation of these data indicates that the department is short one staff member this year and presumably will be in worse shape next year. The addition of one more member would just be enough to keep the staff at a minimum. The reasoning is as follows:

1. If a teacher of Lower Division courses should teach a maximum of 15 hours with an average class size of 24 students this means a maximum of 15 x 24 - 360 student hours per week.
2. Assume the department head should teach a slightly reduced load of 12 hours or 12 x 24 = 288 student hours per week.
3. Assume Upper Division classes should average 16 students then a teacher should teach a maximum of 15 x 16 = 240 student hours.
4. The Fall Semester load of 150 U.D. hours and 1500 Lower Division hours is equivalent to 1764 student hours approximately.
5. Subtracting the load of the department head, this adjusts to 1437.
6. Assuming that all teachers teach a maximum load all the time, this works out to a minimum of 1437 /360 - 3.99 teachers, in addition to the department head, i.e., we need one more man right now to have a minimum department.
7. We could assume further a 1% increase in student next year (really conservative in view of this year's 23% increase) and roughly ¼ of all new students take a math course so we can expect at least 35 more students in the department next year.
8. This increase is essentially another section and therefore is ⅛ of a professor. Thus by next year we will need a minimum of 1⅛ people in addition to the present staff.

The above calculations indicate that 8 (eight) staff members will be needed next year to operate a normal college mathematics department such as ours. Classes of over 50 students are becoming common rather than unusual in the department. This probably reflects poorly in the eyes of accrediting associations and certainly yields an inferior education for the student. Last semester the department had a total of 490 students registered for mathematics courses or almost 14% of the student contact hours taught. The following shows the per cent of students taught by some departments:

<table>
<thead>
<tr>
<th>DEPT.</th>
<th>PER CENT</th>
<th>PER CENT/STAFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSS</td>
<td>37</td>
<td>3.08 %/per man</td>
</tr>
<tr>
<td>Math</td>
<td>14</td>
<td>3.30 %/per man</td>
</tr>
<tr>
<td>Chem</td>
<td>10.4</td>
<td>2.26 %/per man</td>
</tr>
<tr>
<td>Eng. Sci.</td>
<td>7.6</td>
<td>2.33 %/per man</td>
</tr>
<tr>
<td>Physics</td>
<td>6.</td>
<td>1.5 %/per man</td>
</tr>
<tr>
<td>Mining</td>
<td>3.</td>
<td>0.91 %/per man</td>
</tr>
<tr>
<td>Pet.</td>
<td>2.</td>
<td>0.61 %/per man</td>
</tr>
</tbody>
</table>

Further inspection of these figures indicate that the teaching load in the mathematics department is sometimes one or two man over load. When some departments carry and indeed if all teaching staff carried the same load as the mathematics staff we would have 1278 students here!
ASSAYING SPORTS

by Dave Kneebone

Has anyone noticed a nauseating odor hanging over our campus? Investigators have found traces of the stench originating from at least three separate buildings. According to preliminary reports, a multi-headed monster is prowling the campus. It reportedly lives on student activity funds and is a student committee to investigate the ASMT's role in interscholastic athletics and to formulate new and effective policies which are responsive to the majority's desires.

The stupid feud among some members of the faculty does not concern this reporter. But, there is a time and place to draw the line, such as lending credit to unfounded rumors that at least are slanderous. If the faculty and administration want to play children's games, let them. But let us pray to God that they must sling muck, we, the students, at least do not provide the means to sling it. Now is the time to form a student committee to investigate the ASMT's role in interscholastic athletics and to formulate new and effective policies that are responsive to the majority's desires.

The stupid feud among some members of the faculty does not concern this reporter directly, but there is a time and place to draw the line, such as lending credit to unfounded rumors.

Ski craze

by Ernest Bond

To the uninhibited, the sport of skiing looks as dangerous as a Cuban refugee jetting to Miami. Once tried, the novice finds the sport either too dangerous or a sensation of freedom and challenge.

There are two types of skiing. Nordic and Alpine. Nordic skiing includes cross-country travel and jumping. The skis are long and narrow with bear trap bindings which allow a walking action with the ski, a special wax is used to grip the snow surface, to allow travel up inclines. Nordic competition is an Olympic event and is enjoyed by many skiers who seek the solitude offered by this type of skiing.

Alpine skiing consists mainly of downhill events. The challenge lies in form, control, and the danger of the hill. The events comprising the Alpine form are the downhill, slalom, and giant slalom. The skis are determined by the skier's height and are equipped with bindings which allow the skis to break away during falls to prevent leg injuries.

Skiing, any style, brings a person back to nature. While many people are trying to look out their ice-shrouded windows, cursing the winter, skiers are enjoying the very conditions many people dislike. The sport has many challenges, the thrill of floating on powder, and in the sense of victory at the bottom of the hill.

An added advantage of skiing is the social functions at the end of the day. Apres Ski is by far the most looked forward to events of both the skier and non-skier. The socializing by an open fire draws many otherwise lukewarm skiers.

1st round results of Tech handball tourney

by Mike Parent

The first round of the intramural handball tournament has been mostly completed. Six teams are entered in the doubles, while there are eleven entered in the singles event. The matches are played whenever the groups can and there is no time schedule involved. Ten games make up the doubles tourney and twenty the singles tourney.

Singles:
- E. Burbay over M. McGauhlin
- R. McGauhlin over J. Cavanau
- D. Harstell over F. Hoffman
- E. Kavan over D. O'Farrell
- M. Claxton over M. Crowley
- C. Bartels, Bye

Doubles:
- O'Farrell-Burbay over McGauhlin-McGauhlin
- Bartels-Hoffman over Crowley-Claxton
- Kavan-Hartsell over Cavanaugh-McCaffery
- Ofarrell-Burby over McGauhlin over Crowley

McEnany outjumps the Bucks in Tech's fourth win.

Tech sinks Dawson Buccaneers

by Mike Parent

When the Buccaneer ship came sailing from Glendive into the home waters of the Montana Tech Orediggers, it received no gems, gold or victory as it had done before, but instead the miners loaded the ship with dirt and it sank. Time the Miners were the victors. Yes, it all happened in the Montana Tech gym in a little different way as the Orediggers downed the Buccaneers of Dawson, 61-55.

Kevin McIntyre scored more than a third of Tech's points with 22, 10 of which were from the charity stripe. Greg Sheridan was second high man with 11. He was 7 for 17 at the free throw line.

High point man for Dawson was Curt Garrick, who scored 12.

Mixed volleyball starts

Mixed Volleyball started last January 14th with ten teams competing against one another. Each squad has eight volleyballers on its roster. Each game lasts one-half an hour and there is no time for warm-up between games. All the games will also have a pair of mixed referees.

Sayatovic

White's Funeral Home

ORDER OF THE GOLDEN RULE

Miners Bank of Montana

- No Charge on Student Checking Accounts

Tri-City Stores

Skiing, any style, brings a person back to nature. While many people are trying to look out their ice-shrouded windows, cursing the winter, skiers are enjoying the very conditions many people dislike. The sport has many challenges, the thrill of floating on powder, and in the sense of victory at the bottom of the hill.

An added advantage of skiing is the social functions at the end of the day. Apres Ski is by far the most looked forward to events of both the skier and non-skier. The socializing by an open fire draws many otherwise lukewarm skiers.

mixed volleyball

Mixed Volleyball started last January 14th with ten teams competing against one another. Each squad has eight volleyballers on its roster. Each game lasts one-half an hour and there is no time for warm-up between games. All the games will also have a pair of mixed referees.

McEnany outjumps the Bucks in Tech's fourth win.

Tech sinks Dawson Buccaneers

by Mike Parent

When the Buccaneer ship came sailing from Glendive into the home waters of the Montana Tech Orediggers, it received no gems, gold or victory as it had done before, but instead the miners loaded the ship with dirt and it sank. Time the Miners were the victors. Yes, it all happened in the Montana Tech gym in a little different way as the Orediggers downed the Buccaneers of Dawson, 61-55.

Kevin McIntyre scored more than a third of Tech's points with 22, 10 of which were from the charity stripe. Greg Sheridan was second high man with 11. He was 7 for 17 at the free throw line.

High point man for Dawson was Curt Garrick, who scored 12.

Mixed volleyball starts

Mixed Volleyball started last January 14th with ten teams competing against one another. Each squad has eight volleyballers on its roster. Each game lasts one-half an hour and there is no time for warm-up between games. All the games will also have a pair of mixed referees.

Sayatovic

White's Funeral Home

ORDER OF THE GOLDEN RULE

Miners Bank of Montana

- No Charge on Student Checking Accounts

Tri-City Stores

Fritz's Ski Haus

Corner Bayard and Sheridan Phone 792-2242

ALL MODELS OF:

HEAD SKIES and TONI SAILERS and FISCHER

ALU SKIS on SALE

Ski Clothing - Sweaters - Parkas and Stretch Pants reduced.

"A Ski Haus for Skiers by Skiers"
Bethlehem Steel Loop Course Interviews:

MARCH 4

What is the Bethlehem Loop Course? It is our management development program for graduates with bachelor's or advanced degrees. The course starts early in July with four weeks of orientation at our home offices in Bethlehem, Pa. Loopers attend lectures on every phase of the corporation's activities, and make almost daily visits to a steel plant.

Steel Plant Loopers, who comprise a majority of the average loop class of 150 to 200 graduates, proceed to various plants where they go through a brief orientation program before beginning their on-the-job training assignments. Within a short time after joining the course, most loopers are ready for assignments aimed toward higher levels of management.

How about other loopers? Our Sales Department loopers (30 or so) remain at the home office for about a year of training. Most are then assigned to district offices where they take over established accounts.

Fabricated Steel Construction loopers are trained in a drafting room, on a field erection project, in a fabricating shop, and in an engineering office. A looper's first work assignment is based on interests and aptitudes disclosed during this program.

Loopers in Accounting, Shipbuilding, Mining, Research, Traffic, Purchasing, Finance and Law, General Services, and Industrial and Public Relations go through training programs tailored to their type of work.

Where would YOU fit in? Check your degree or the one most similar to it.

MECHANICAL ENGINEERING—Engineering or mechanical maintenance departments of steel plants, fabricating works, mining operations, and shipyards. Fuel and combustion departments. Supervision of production operations. Marine engineering assignments in Shipbuilding Department. Also: Sales or Research.

METALLURGICAL ENGINEERING—Metallurgical departments of steel plants and manufacturing operations. Engineering and service divisions. Technical and supervisory positions in smelting departments and rolling mills. Also: Research or Sales.

CHEMICAL ENGINEERS—Technical and supervisory positions in coke works, including production of byproduct chemicals. Fuel and combustion departments, including responsibility for operation and maintenance of air and water pollution control equipment. Engineering and metallurgical departments. Steelmaking operations. Also: Research or Sales.

ELECTRICAL ENGINEERING—Steel plant, fabricating works, mining operations, and shipyard electrical engineering, construction, and maintenance departments. Technical and supervisory positions in large production operations involving sophisticated electrical and electronic equipment. Also: Research or Sales.

MINING ENGINEERING—Our Mining Department operates coal and iron ore mining operations and limestone quarries, many of which are among the most modern and efficient in the industry. This 10,000-man activity offers unlimited opportunities to mining engineers. Also: Research.

NAVAL ARCHITECTS AND MARINE ENGINEERS: Graduates are urged to inquire about opportunities in our Shipbuilding Department, including the Central Technical Division, our design and engineering organization. Also: Traffic.

OTHER TECHNICAL DEGREES—Every year we recruit loopers with technical degrees other than those listed above. Seniors enrolled in such curricula are encouraged to sign up for an interview.

ACCOUNTANTS—Graduates in accounting or business administration (24 hours of accounting are preferred) are recruited for training in supervisory assignments in our 3,000-man Accounting Department.

OTHER NON-TECHNICAL DEGREES—Graduates with degrees in liberal arts, business, and the humanities are invited to discuss opportunities in the Sales Department. Some non-technical graduates may be chosen to fill openings in steel plant operations and other departments.

NOW'S THE TIME TO SIGN UP FOR AN INTERVIEW. And when you register at the placement office, be sure to pick up a copy of our booklet, "Careers with Bethlehem Steel and the Loop Course." It contains important information about the corporation and your opportunities through the Loop Course.

Bethlehem Steel
An Equal Opportunity Employer
in the Plans for Progress Program