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Associated Students of the Montana School of Mines

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DON'T FORGET THE BLAST COMING UP



## MEET YOUR FACULTY

by B. Lees

This week's interview is with Professor Judson G. Ruggles. Professor Ruggles is a popular member of the chemistry department and he has been with M.S.M. since 1948. He teaches freshman and organic chemistry as well as several graduate courses.

Professor Ruggles was born at Peck, Idaho, but he went west to receive his higher education. He attended Oregon State at Corvallis, Oregon, and received a B.Sc. in 1941. Industry claimed him from 1941-48 when he was employed as Chief Chemist for Bio-products, Inc. at a plant near Astoria, Ore. In 1948, he decided he didn't like the smell of the place and decided to take up teaching. Whereupon he packed up and headed for M.S.M. to remain for one year. In 1949, he returned to his alma mater and obtained his M.A. He has been at M.S.M. since then.

Professor Ruggles is married and has one daughter, age 6. He hasn't been able to indulge in his favorite hobbies, hunting and fishing, of late, because he suffered a heart attack this summer. He is feeling better now but has to be careful. He belongs to the American Chemical Society and Sigma Rho, national engineering fraternity. Professor Ruggles says that he is impressed with the record that Mines graduates have made. Very few schools percentage wise place so many men at the top levels of business and industry.

## FACULTY SPEAKS

by Dr. Shih,  
Metallurgy

I was asked to write an article for this issue of the AMPLIFIER. As I usually give some 10-minute quizzes in my class, I willingly accepted this offer from the editor knowing that I can select my own topic for writing and that I can hand in my answers in two days --- fair indeed!

With my personal experience in this country for the past six years, I know that most of my American friends have limitless curiosity, especially regarding some one from a strange land. With this in mind, I think it might be interesting if I should talk a little about the college life in China.

Perhaps by the greatest distinction between American and Chinese college life as I can see, is the participation of extra-curricular activities. On the campus of Chinese colleges, there are also groups organized for educational and social activities, but the focus of student life is usually a group of close friends. An American student usually spends most of his extracurricular time in a variety of organizations. These may not have the intimate atmosphere of small informal groups, but they offer a much broader and richer life for the participants.

Athletic games commonly played in Chinese colleges are basketball, tennis and volleyball. Soccer is also quite common and is called "foot-ball" in China because it is played with the feet. The football game played in American colleges is only seen in movies in China.

In regard to the curricula, it is indeed an opportunity that American colleges have many elective courses offered. In Chinese colleges, electives are rather rare, every student takes all the required courses through all his four years, if he can get through in four years.

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## AMPLIFIER SAYS

Editor

"No, our club decided not to take part in the BLAST this year. We've got enough work to do as it is."

This is the wrong attitude it seems to me, fellas! This is our one chance to have a darn good time and some of the organizations on campus decide to let the opportunity slip by. Nobody expects a professional show by any means; just be yourselves and enjoy the possibility of "expression" through a skit in the BLAST.

Prizes will be given, as usual, to the best show, actor, ham, etc. Each club is allowed ten minutes for their skit and possible additional time. We can really make this a memorable occasion this year if we all take part.

The skits must be shown to the co-chairman of the BLAST in order that it can be ascertained as to whether or not it has been initialed by a faculty member. This is a protection to your organization as well as yourself. The deadline is Tuesday of next week so get the skits in soon.

Let's make the BLAST something this year! Everybody takes part!



by Ed Westerman

by G. R. Parker

Andy Mular and myself spent the last weekend at the State University in Missoula, attending the Associated College Unions convention. Delegates were in attendance from all over the Northwest and Hawaii, representing the Student Union organizations of their colleges. We, of course, had no bonafide Student Union to represent; we don't have a Student Union Building like most of the larger campuses; we simply attended so that we could gain an insight into the feasibility of erecting a Student Union Building on our campus in the future.

A Student Union Building is the "living room" of the campus -- it usually has a game room, dance hall and coffee shop, as well as a reading room. A distinctly informal atmosphere is prevalent in a S.U.B.; it is the focal point of a campus, where students are found when they want to relax. It is difficult to imagine a large campus without one. A small school like ours, however, has tremendous obstacles in the way of obtaining a Student Union Building. Although lack of funds is perhaps the most important obstacle, trouble with the Women's Protective Union is not the least important. I have discussed the coffee shop problem with this union, and also brought to them the question of using student help in a Student Union Building. They replied that they would not prevent us from building a Student Union Building, but that they would move in as soon as we did. Since the use of student help is essential to the successful operation of a Student Union Building, I would say that the students of the Montana School of Mines are being exploited by the Women's Protective Union of Butte, Montana. This condition is peculiar to this college; in every other college that I know of, student help is used on the campus for jobs such as dishwashing, waiting on tables, etc. When I asked the union official why this condition prevailed on this campus, I received the reply, "You're in an organized town, sir!" Disorganized, I'd say.

A commonly accepted definition of ore might be: "... a naturally occurring mineral which can be mined, at present, at profit."

However, recently there has been some discussion on the definition and it was thought that "naturally occurring mineral" should be replaced by "...naturally occurring substance". This would appear but a small change if you were to consider the change (outlined below) advocated by a prominent geologist.

"....as mining is extended to substances not previously mined, and as methods change, the meaning of the word 'ore' may also change without embarrassment to anyone. From the legal point of view however, it may be necessary or at least desirable to have a clear cut definition that will be accepted until revision is needed.

It seems to me that ore and mining go hand in hand - ore is mined. Therefore, we should have a clear idea of what we mean by mining. A broad meaning of mining would mean the taking out of the ground any substance, part or all of which is intended for use. In this sense, salt and oil and gas wells, building stone, quarries, leaching of minerals in place and the retreatment of tailings or slag piles must be included as well as the more usual types that recover coal or metals. According to this conception the substance need not be naturally occurring, nor need it be inorganic. (Even with this broad view, I do not think potato digging should be considered mining!) Oil wells and quarrying would be special forms of mining.

If you accept this definition of mining, I suggest that the material mined is 'ore', and is defined as "...any material taken out of the earth, all or part of which is put to use."

In the customary definition the word 'profit' usually appears. As this cannot always be foretold, 'or with some hope of profit' is sometimes added. Now we all know that we can eliminate all hope of profit if we tamper in certain ways with management, or effect other deleterious changes. We can in a day change ore to non-ore. We may continue mining over a period knowing the ore is mined at a loss but thinking that future ore might provide a profit, and the loss taken would be less than if we shut down altogether. Is it necessary to make ore so unstable? Can we not take out all idea of profit? We mine for a purpose - to get some material we can use. Normally this will provide us with a profit, but not necessarily, as we may mine at a loss to get material that will be used to make some other undertaking profitable.

Well - - - what is ore?



## GRADUATING SENIORS

by R. Westerman

Godfrey P. (Jeff) Howard, a popular, active metallurgy major, was born in Keene, New Hampshire, in 1921. At the age of 7 he moved to Valparaiso, Indiana, where he completed high school and began work as an expeditor for the Continental-Diamond Fiber Company. After serving 3 years in the Air Force, he was promoted to Assistant Production Manager of the same concern. From 1947 to 1951 he was a sales representative for a raw mica broker.

In 1951 he enrolled at the Colorado School of Mines, but transferred to the Montana School of Mines after 1 1/2 years, in order to take advantage of more practical schooling and better job opportunities.

Jeff has taken an active part in school activities. He is now Regent of Theta Tau Fraternity, President of the Senior Class, and President of Anderson-Carlisle.

Jeff plans to enter sales engineering as his profession, since he has had experience in sales and likes it a lot. He isn't particular, however, about the location of his future job; like many mineral engineers, he would just as soon go to South America as stay in the States.

\*\*\*\*\*

## KID IN THE KORRIDOR

Author Unknown

Well, the Kid is on vacation this week, behind on 3 of his courses, and absolutely on the dark in the rest. The Kid can't hardly wait till midsemester when he can drop all the hard ones and just take night courses with the coeds.

The Kid really looks forward to the blast each year, so all this talk about making it a cultural affair has the Kid worried. Any thing that will keep the Kid in dirty jokes as well as put the faculty on the hot seat should be left alone. Any how the Kid is sure that the faculty really wants a dirty blast because they always come and laugh a lot, but at strictly "nice" social functions such as the recent coed dance. Not one faculty member showed up! The Kid is sure that what the faculty says they want and really do want are two very different things. Oh, well, however black things may look, just remember - M-Day is coming!

\*\*\*\*\*

## WHAT THEY'RE SAYIN'

by Jon Langfeldt

This is a new column in the Amplifier. The author will endeavor to bring the facts straight to you. You can read them as they were stated with no censorship. An added feature for the students interested in the finer things of life will be the Poetry Corner. These jokes are not intended as a "SLAM" to anyone!

### In the chow line:

Mrs. Tait: Wher's your liver?

Barry Hansen: Inside of me naturally.

Minette: What did you do to those pork chops?

Cook: I breaded them.

Minette: Isn't that poor grammar?

### In physics lab:

Student: I've been working for an hour on this problem and it just wont' work out.

McCaslin: Well, obviously you are doing something wrong.

### At the U & I:

Mular: Have you heard the one about Tom, Dick and Harry?

Huber: If it's nasty I won't listen.

### In the Residence Hall:

Walkup: If I wasn't out for football, I could go elk hunting.

McNeil: Yeh, that's too bad.

Walkup: Oh well, What Price Glory?

### Poetry Corner:

Mary had a cute little sheep.

Mary had a great big ram.

She took the ram to bed to sleep.

Now Mary has a little lamb.

\*\*\*\*\*

### Noticed:

An arsenal of squirt guns in Trevison's room.

### Wondered:

Why Bobby Loucks has been missing lunch.

### Is it true:

That the AFROTC detachment is really assessing pushups for being late to drill on Wednesday?

\*\*\*\*\*



## PERSONALITY NOTES

by Art Weizer

Today, senior James Earnest Kerr steps out of obscurity to place his life on review. Jim is distinguished by his 6 foot stature and blond, fuzzy hair, but is a little doubtful about his age which varies from 21 to 22. He wandered all the way from Great Falls to Butte, in his car (which sits behind the Residence Hall since gas went up from 8¢ a gallon) to study Geology. Around the school, Jim, besides being a faithful member of the Theta Tau, is a four year letter man in Basketball and a two year letter man in Track.

Claiming undernourishment from lack of bodybuilding food, he states: "Brother Al seems to have gotten all the size and looks of the family." In fact even his 4F knee is getting weaker as the Draft Board becons. Inside information relates that upon graduation, his saved money goes toward a passage on a Banana Boat to Europe, as all the Cattle Boats are booked up. Right now he recognizes a female from the University of Montana named Virginia.

Some of Jim's favorites are:  
Favorite food - Virginia Ham.  
Favorite dance - Virginia Reel.  
Favorite town - Virginia City.  
Favorite tobacco - Virginia Fine Cut.  
Favorite vine - Virginia Creeper.  
Favorite song - "Carry Me Back to Old Virginia."

\*\*\*\*\*

## CARROL DEFEATS MINES

In the second game of the 1955-56 season, the Schopl of Mines "Orediggers" went down under the powerful Carrol College Saints to a homecoming score of 45-0 in Helena on Oct. 22. A cold and snowy field hampered the Mines passing attack, while the fast moving Carrol team continued their winning streak.

\*\*\*\*\*

Overheard on a geology field trip:  
"Kaolomite; Isn't that what Superman's afraid of?"

\*\*\*\*\*

## THE INQUIRING REPORTER

by Art Weizer

As the days slip by and the Academic year moves on, one can't help but notice a seasonal change too. Some time back, the average student upon awakening in the morning would roll over and go back to sleep. But these days he'll yell to his roommate: "Did you leave that darn window open again?"

All this leads up to the week's question, "What's your opinion of the tunnels which connect the buildings?"

Replies were:

- B.P. - "Couldn't say, I never use them myself, cough, cough."  
D.B. - "Terrific, terrific. The best tunnels I've ever been in."  
E.L. - "Rather decent of the Dean wasn't it?"  
J.R. - "Well now if I was the engineer, I would have ..."  
D.G. - "Floors are kind of slippery, what do they do, wax them?"

\*\*\*\*\*

## SIGMA RHO

Sigma Rho invites all Mines Students to the annual affair being held at the Rose Garden this following Sunday, November 13, 1955. Community and St. James Nurses are invited; transportation can be arranged for them. Lets all turn out!

\*\*\*\*\*

## SOPHOMORE NEWS NOTE

The first meeting of the Sophomore class for the 1955-56 school year was held Wednesday, October 19. Election of officers was held and plans for the "Blast" were discussed.

Officers for the coming school year are:

President - Tom Minette

Vice President - Barry Hansen

Secretary-Treasurer - Jon Langfeldt

Another meeting was held on Friday, October 28, at which definite plans for the "Blast" were decided upon.

Tom Minette, the new Sophomore class president, requests better attendance and that more interest be taken in Sophomore class meetings. What do you say, Sophomores?

\*\*\*\*\*



Snuff Sed?

"A man"

If you smile at him, he thinks you're flirting,  
 If you don't flirt, he considers you an iceberg.  
 If you let him kiss you, he wishes you were more reserved,  
 If you don't, he'll seek consolation elsewhere.  
 If you flatter him, he thinks you're simple,  
 Withhold flattery and you don't appreciate him.  
 If you let him make love to you, he'll call you cheap,  
 If you won't, he'll go out with a girl who will.  
 Go out with other fellows and he'll think you're fickle,  
 If you don't, he thinks no man will have you.  
 God bless them, they don't know what they want!

The Blast

We "ain't" tellin! But, we'll see you there and in the next issue of - - - - the AMPLIFIER.



She: "Do you always take your other girls for such long rides?"

He: "No, it isn't always necessary."

\*\*\*\*\*

A lithsome young lass decided to take a dip, natural style, in a secluded swimming hole. A little farm boy wandered by and gleefully began tying the girl's clothing in knots. She floundered around, found an old washtub, held it up in front of herself, and marched toward the little boy saying, "You little brat, do you know what I'm thinking?" "Sure", said the boy. "You're thinking that tub has a bottom in it."

\*\*\*\*\*

Professor Albertson's brown and white checked vest?

The socks worn by Steve Shugrue, Kenny Rapp, Larry King, Walter Johnson and John Guyer, Bob Post, Bill Graham, Bob Rask?

Larry Breen's pink and lilac shirt?

The crisp look in Jim Jursnick's gray, black, white and pink sport shirt?

Ian MacDonald's baby blue and gray wool shirt?

Bob Semmens' plaid shirt which has more colors than the rainbow?

Carl Hager's collection of denum pants?

Vern Klevgard's pink and black shoe laces, (they look cool with his red socks)?

\*\*\*\*\*

Overheard and overseen-

Professor Albertson's English class:

Professor Albertson: "Brrr! it must be 60° in here!"

Delmay Hash: "Above or below?"

Darien Carkeet waiting for the shuttlecock to bounce in a game of badminton.

Have you met Harvey? If you haven't, but would like to get acquainted, see Bill Palmer, he sits next to him in English.

Date: The day after the co-ed dance.

Place: Room 114, Main Hall

Time: Third period.

Scene: Myrna Vivian, Glada Nichols and Veda Kendall sound asleep.

\*\*\*\*\*

When in doubt, shave.

Mother (finding pawn ticket on young hopeful's coat):

"Son, what is this?"

Son: "Oh, I was at a dance last night and checked my coat."

Mother (finding similar ticket on the boy's trousers): "Son, just what kind of a dance was that?"

\*\*\*\*\*





## NOTES FROM THE OFFICE



### AN INTERESTING SIGHT

Alice Rae and Lois Fordmeir? Yes.  
Going to town at 12:30 P. M.

\*\*\*\*\*

Another interesting sight is an absent-minded nudist striking a match.

\*\*\*\*\*

Husband: "I saw Tim Tooley downtown today, and he didn't even speak to me. I guess he thinks I'm not his equal."

Wife: "Why, that stupid, brainless, con-cieted, good-for nothing moron! You certainly are his equal!"

\*\*\*\*\*

Mother (finding pawn ticket on young hopeful's coat): "Son, just what is this?"

Son: "Oh, I was at a dance last night and checked my coat."

Mother (finding similar ticket on the boy's trousers): "Son, just what kind of a dance was that?"

\*\*\*\*\*



### ERMA AT THE HALLOWEEN BALL

### MESSAGE

MARY VERBANAC IS ON HER WAY  
TO THE SCHOOL OF MINES."

Whenever you hear the sound of "heels" clicking madly down the tunnel, you may rest assured that it is our Assistant Registrar, Mary Verbanac looking for someone or trying to get some information from one of the instructors.

Mary attended schools at Whitehall and Butte. When she graduated from high school, Mary worked at American Optical Company as a lab technician. From there she went to one of Uncle Sam's outfits - the Social Security office. She then came to M.S.M. and has worked in the Registrar's office for eight years.

Next to Montana, Southern California is Mary's favorite part of the country. She has visited thirteen states and parts of Canada. This summer she went to Lake Superior and Minneapolis. When asked how she enjoyed her vacation she replied, "I really enjoyed my trip, but boy, am I broke". A favorite expression of us all.

Pet peeve is the stop sign at the bottom of the hill during the nine snowy months of the year. If you ever see a white and tan streak coming at you - look out - it's Mary in her 1954 Buick barreling up the hill just praying nobody is in her way.

Mary is glad to see that the school spirit here at M. S. M. is finally picking up, and hopes that it continues to do so because real school spirit has been lacking in the last few years.

\*\*\*\*\*

McKeon was busily engaged with a spade in the mud beside his car when a stranger hailed him. "Stuck in mud?" asked the stranger. "Oh, no," exclaimed Chester, cheerfully, "my motor just died and I'm digging a grave for it."

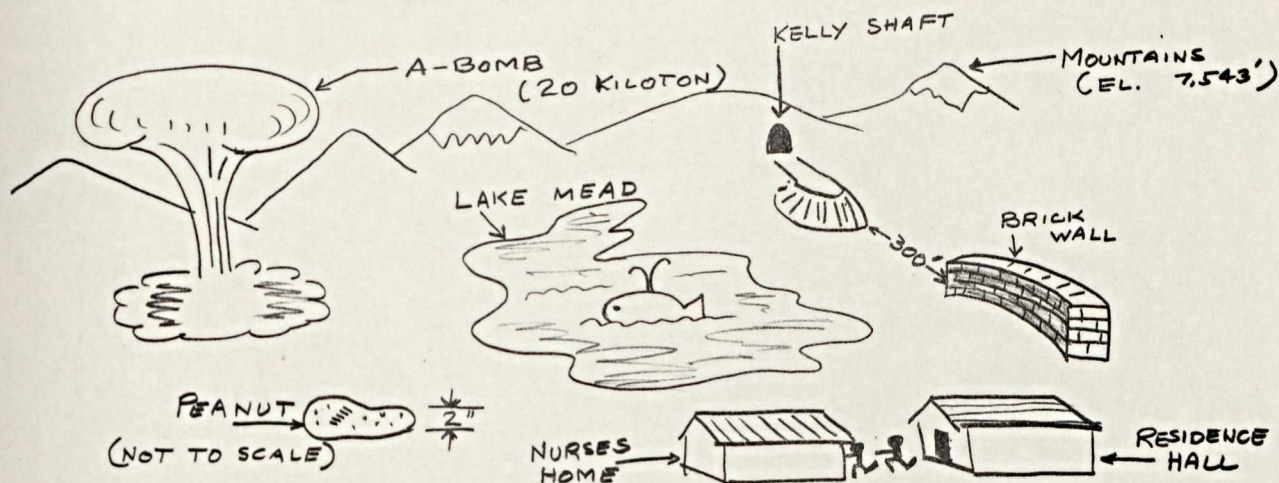
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## EDUCATION BRIEFS

In response to the current interest in Physics created by the Proclamation of 1955, (Geophysical Year), the editor feels that worthwhile problems of the day should be brought forth and discussed. If this type of column is deemed successful further problems in the sciences will appear in later issues.

This week's problem is reprinted en toto from a paper presented by the "Committee for Regression in Ice Breaking Techniques."



- At what rate are calories produced by the bombardment of protons rebounding from the brick wall, thru residence hall, across the top of the peanut, coming around the mountains, and into the Kelly Shaft, on the drifter at the 4200 level? (Assuming he is wearing an arrow shirt, size 42.\*)
- What is the drifter's name?
- Does he have a daughter?
- What will be the thermodynamic force needed, and the distance of the peanut from the blast, to split the peanut in two, if the shell is 8 microns thick and the force holding the two halves is  $18 \text{ dynes/cm}^3/\text{ft}^2/\text{ft-lbs}^4$ ???
- Is the peanut of the 1) Mississippi, 2) Iowa, 3) Cicero, 4) Pre-Cambrian, 5) Post-nasal type?
- Give three suitable locations for oil wells.
- What type rocks do peanuts grow in?
- Can the fish in Lake Mead be utilized for a Metallurgical process of any kind?

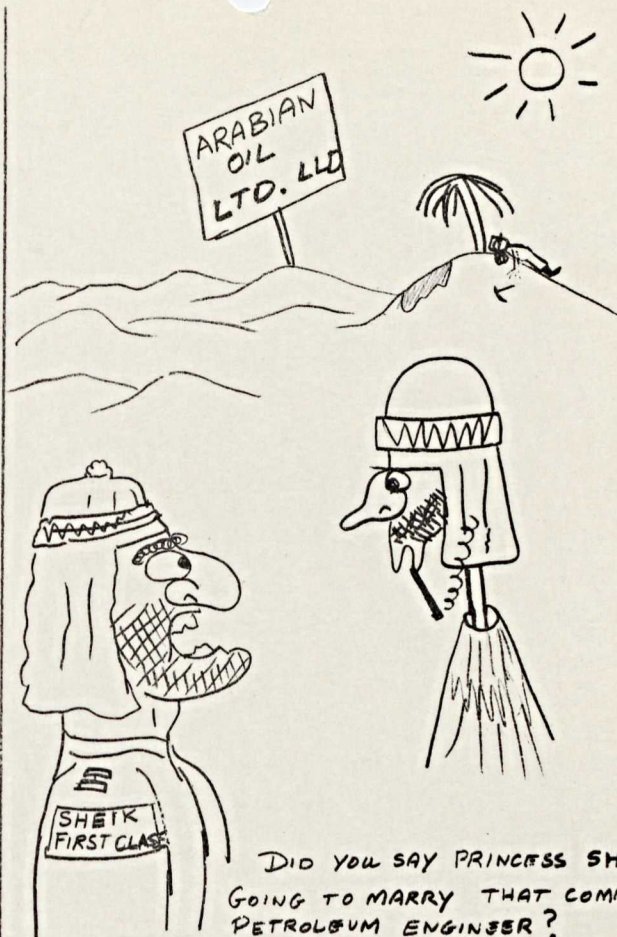
\*\*\*\*\*

\* Editor's note - Pure coincidence that this is Jane Russell's size.





YOU'RE NEW AT SAMPLING, AREN'T YOU?



DID YOU SAY PRINCESS SHEBA IS GOING TO MARRY THAT COMMONER PETROLEUM ENGINEER?

