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Associated Students of the Montana School of Mines

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AMPLIFIER

85 Percent Vote In Recent Election

By Mike Freebourn

Wednesday, May 7, M-Day, was the day when the 1958-1959 officers of the Student Council were elected. Those students elected to their various offices included Bob Wylie, President; Dick Roberts, Vice - President; Gus Coolidge, Secretary - Treasurer; and Don Roberts and Dick Vincelette, Delegates.

Although some candidates were unsuccessful in their quest for office, the students, as a whole, made the election a great success so far as the number who voted were concerned. In order to be eligible to vote a student must have paid his activity fee. The eligible voters attending school at election time numbered 195. Of this 195, 166 took part in the election and voted. The 166 voters out of 195 eligibles is equal to about 85 per cent. More students voted this year than voted in many years past.

This year's success in "getting out the vote" is attributed to the quality of the candidates, and also party enthusiasm from all sides. The candidates and their backers were interested in the election outcome and convinced many otherwise apathetic students to vote. Partisan all the way, the campaigners were big enough at times to urge, that whether a person voted one way or another, he must vote.

The campaign was a fierce, no-holds-barred affair, dealing with the most pertinent issues around the campus. No one party was less enthusiastic than the others, but perhaps the novel campaign was that of the Independent Party. The Independents sent letters to the students urging them to vote, and many were seen sporting Independent ribbons.

President-elect, Bob Wylie, predicts that next year will be a great year for M.S.M. The students and faculty are taking more interest in the school and its future than has been known for many years.

MSM Attends TKA Tournament

Five students and Professor W. C. Laity represented MSM at the TKA debate tournament in Missoula May 1, 2, and 3. Participating were Don Roberts, Dick Vincelette, Ed Speelman, and Duane McCrorie in debate and Billie Todd in interpretative reading.

The TKA is a debating fraternity which has for the last four years sponsored a tournament on the Missoula campus.

The winners in the different divisions were: Men's Oral Interpretation - Pacific University, first; Washington State College, second, and Seattle University, third.

Women's Oral Interpretation— Idaho State, first; Western Montana College of Education (Rose Marie Scott), second, and Idaho State, third.

Extemporaneous speaking: South Dakota State, first; Washington State, second; Brigham Young University, third.

Debate (women): Utah University, first; Kansas State and University of Utah, tied for second place.

Debate (men): Idaho State, first; Washington State, second.

MSM's debate team consisting of Don Roberts and Dick Vincelette were the only team to defeat second-place Washington State in the debate preliminaries.

The sweepstakes went to Idaho State.



STUDENT COUNCIL, from left to right: Robert Wylie, president; Richard Roberts, vice-president; Don Roberts, Richard Vincelette, delegates; and Gus Coolidge, secretary-treasurer.

Second E-Day Draws Hundreds Of Visitors to the MSM Campus

An estimated 2000 people attended the second annual Montana School of Mines Engineering Day, held Thursday evening and all day Friday, May 15 and 16. The event was sponsored by the Anderson-Carlisle Society, the student branch of the A.I.M.E., and was under the direction of chairman Gordon R. Parker.

With the aid of a program, published in the last issue of the *Amplifier*, visitors were able to see many of the interesting and educational displays. Every department presented exhibits, ranging from laboratory apparatus and techniques to broad industrial applications of engineering knowledge.

Featured in the E-Day program, were several movies, including one entitled, "Mining in Butte." Visitors refreshed themselves with cookies baked by the student and faculty wives, and served by the coeds. Coffee was furnished by the M-Club.

The plans for the present E-Day began last fall, although most of the work was done in the month preceding the big day. A large number of M.S.M. students participated in the event - explaining displays, handing out programs, serving cookies and coffee, showing movies, making posters, setting up equipment, guiding visitors, directing traffic, and generally making themselves helpful. The greatest load went on the shoulders of the student chairmen and the instructors in the various departments, who were responsible for organizing, setting up, and operating the exhibits.

Typical visitor's comments

Miners and Geologists Visit Hand Mine

On April 30, Junior and Senior Mining and Geological engineers under the guidance of Professors Vine and Stout, visited the Hand Mine northwest of Dillon.

This mine has been under the ownership of the Hand family for some time and is the only lead mine in Montana which has been producing continuously since 1942. The operation typifies good small mine procedure and the trip was made for this reason. The present crew consists of only six men and production runs about 100 tons a week during ore extraction periods. Because of this, the Hands oversee and work in every aspect of the mine, from geology and development to mining, sampling, assaying and haulage.

William M. Hand, a 1948 Mines graduate in Geology, guided the group through the workings and surface facilities of the operation.

were, "I didn't know they had so much stuff up here," or "I was up here for three hours and only got through one building," or "My feet are killin' me!"

Many of the "tourists" were students, who saw, for the first time, the large academic area covered by the different departments. Engineering Day served, therefore, not only as an education to the "outsiders," but also to the student body.

Gordon Parker, president of the Anderson-Carlisle Society, said: "I would like to extend my wholehearted thanks to the students and faculty who made this year's Engineering Day so successful. I am sure that everyone who participated feels, as I do, that the effort was well worth while. With the experience gained this year, I am sure that next year's E-Day will be even bigger and better."

Special thanks should go to Dr. Koch, who made the time and resources available, and to Professor Frank Kelly, who directed the publicity.

The First Mining Symposium Here Is Well Attended

The first mining symposium to be held at MSM attracted many influential men from the four corners of the globe. The countries of Canada, Phillipines, Peru, Northern Rhodesia, and the United States were represented by various mining companies. Colleges in attendance included the Schools of Mines of Missouri, Colorado, and Montana and the University of Idaho.

Problems of Hydraulic Stope Fill and the allied industries were discussed by the over 175 participants. The discussions included papers on "Laboratory Investigation of Flocculation" and "Mine-Scale Investigation of Flocculation in Hydraulic Back-Filling," by Donald L. Cenis and "Pilot Plant Study of the Transportation of Hydraulic Back-Fill Slurries at Montana School of Mines." Both of these men are alumni of MSM. In all, eleven papers were read. Those men who attended were

Student Union Ok'd

The Montana State Board of Education gave the School of Mines "the green light" for the proposed Student Union Building at their meeting Monday morning, May 12. Dr. Edwin G. Koch, President, announced that the present student council and the newly elected council will proceed with the plans for the new building. Dr. Koch also expressed the wish that the building be completed in all possible haste so as to afford students its facilities.

The building is being financed by a government Housing and Home Finance Agency loan. The approximate cost is \$175,000. Students will pay for the building at a rate of about \$5 per student per semester. At present the probable site for the SUB is north of the Petroleum Building directly opposite the gymnasium.

The student council has already obtained the student union floor plans of colleges of comparative size to the Mines. They will use these as a starting point from which to base their plans. Their plans must be completed by the end of the school year in order to prevent loss of time. If everything goes according to schedule the SUB will be in operation in seven or eight months.

Organizational offices, meeting rooms, game rooms, a main lounge, a ballroom, a snack bar, book store, and possibly an office for publications with dark room facilities, and a bowling alley will be included in the plans. The SUB will house and accommodate as much of the extracurricular activity as possible.

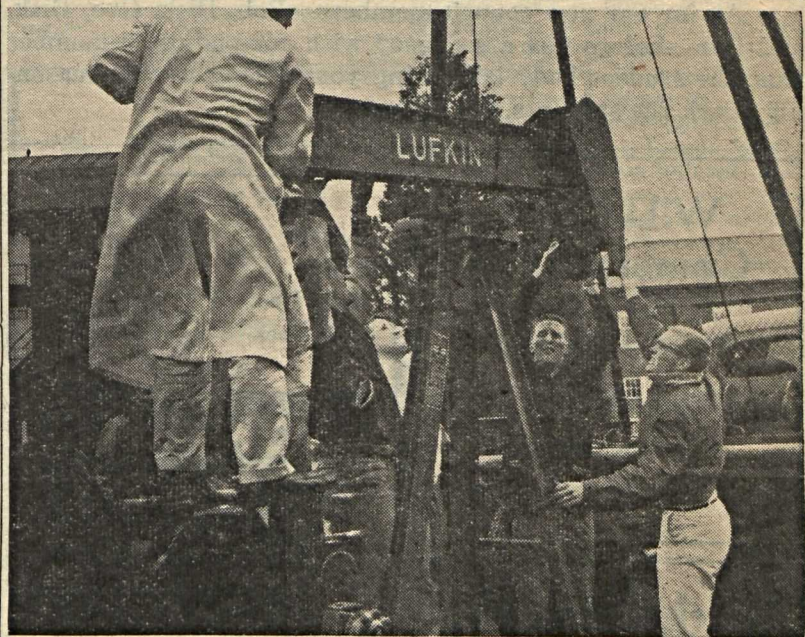
the team and doing our part to make MSM what we want it to be. Edwin G. Koch President

MSM to Hold First Honors Convocation

On Thursday, May 29, Montana School of Mines will hold its first Honors Convocation. At this time the student body sets apart a specific day to give special acknowledgment to the accomplishments of those students or student groups who have distinguished themselves during the course of the school year in such a manner as to win awards or honors of one kind or another.

This occasion is one of the few truly important gatherings of the school year from the standpoint of student activities because it is the culmination of all of these activities. It is a time when we review our honors and make known to the world those students who have distinguished themselves.

Therefore, it is our duty to turn out for this Convocation in complete force. It is also our duty to step forward and congratulate those whom we are honoring. There is no better way to do this than by attending Honors Convocation. Let's show that we are on



HARNISH'S FOLLY

truly representative of the mining industry. Engineers and practical men talked over mutual ideas. Several times the discussion that ensued from a paper was nearly as long as the paper itself. Mr. W. B. Stephenson, president, Allen-Sherman-Hoff Pump Company, Wynnwood, Penna., got his wish when he expressed his desire, "Let's start an argument." Mr. Stephenson's talk was one of the best of the entire symposium.

The symposium started with a speaker's dinner at the Finlen Hotel on Thursday, May 8, while the discussions proper began the next morning. Dr. Koch gave the welcoming remarks and defined the word symposium as being a place for a meeting of minds. A smorgasbord luncheon was served in the gym, and that evening a banquet was held at the Finlen Hotel.

Professor Koehler S. Stout and Frank H. Kelly were in charge of publicity. Advance notice of the symposium was sent to most of

the mining companies using or contemplating cut-and-fill mining methods. Professor William A. Vine was the general chairman of the symposium. The mining department has expressed a wish that recognition be given to Professor John G. McCaslin for his extra efforts in supervising the sound equipment.

International Club Leads in Soccer

The International Club with 2 wins and one loss leads the intramural soccer contest, having dropped one to the Taus.

Four teams are entered in the contest: the International Club, two teams from the Taus, and one Independent.

There are only three games remaining to be played in the contest. These soccer meets have attracted much attention, and many townspeople have come up to witness these contests.

The Amplifier

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EDITORIAL

Now that the posters are torn down and all the noise has died, we can lapse into another year at the Mines with a new student council. We can forget all the ruckus we made about our council having open meetings and sit back to criticize while the council tangles with innumerable details. But human nature tends to see all evil; speak little good. Far back in our minds, though, we recognize the true value of our council. After all, we elected them, didn't we? Sometimes it is forgotten that they spend many hours in and out of meetings attending to our wants. Some things are so obvious we can't deny them—the coffee shop, the new student health insurance, the effected fee boost, the fair student organization appropriations, the possibility of starting the school year earlier and ending it sooner—just to mention a few. So we'll ask Gene, Pat, Duane, Tom, and Bob to accept our congratulations for a really fine year!

But the year isn't over yet; the biggest job is yet to come. The old and new council have the responsibility of planning a student union building which must satisfy the needs of students next year, and the year following that and so on for who knows how long. They will have the opportunity to prove that the country's top engineers can do a top engineering job. Before school is out this year they must present to an architect the student union plans which reflect the student body needs. This implies the responsibility of the student body to express exactly what they want. The building will be known by our students for years as the building planned by the ASSM councils of 1957-58 and 1958-59. It will be a student union which belongs to the students in every respect.

As for our new council members—Bob, Dick, Gus, Dick, and Don—before you are doused with complaints, remember that the student body is backing you as long as you reasonably back the students. Good Luck!

A Student Views The Recession

by Billie Todd

An important issue in the minds of Americans today is the recession.

The questions which are most pertinent in the minds of many Americans are:

- (1) What exactly is a recession?
- (2) What caused it?
- (3) How bad is it?
- (4) How long will it last?
- (5) How can the U. S. get out of its recession?

A recession is a slump in the economic development of the country. The large scale unemployment which is existing in Butte is characteristic of a recession period.

(2) What causes a recession? There are two major groups of factors which would cause a recession. They are (1) the psychological factors and (2) the economic factors.

Among the psychological factors are (1) that people are afraid of the results of a recession because the history of our country has shown that at the end of an expanding period such as that which our country has been going through a depression is inevitable. (2) That people are resistant to buying products because of high prices.

Among the economic factors are:

- (1) People are stocked up on durable goods.
- (2) Lack of investment.
- (3) Credit was made too tight and held too tight.
- (4) Interest is too high and has been kept too high.

The general consensus of opinion leads to the belief that a combination of high prices and a tight money policy plus the fact that durable goods; such as cars; can be made to last are the main causes of this recession. In other words if the people don't buy and put money into circulation the economy slows down.

(3) How bad is the recession? The present recession is a limited one affecting only certain parts of the economy and it is not spreading. Most of the drop was in the manufacture of durable goods and in transportation and mining.

(4) How long will this recession last? The odds, according to economists, are in favor of a short run recession although recovery will not be rapid. Business is anticipated to start rising in the fall of 1958 and this will be followed by a more normal rate of growth as opposed to the rapid expansion experienced before the recession. This is simply an adjustment period.

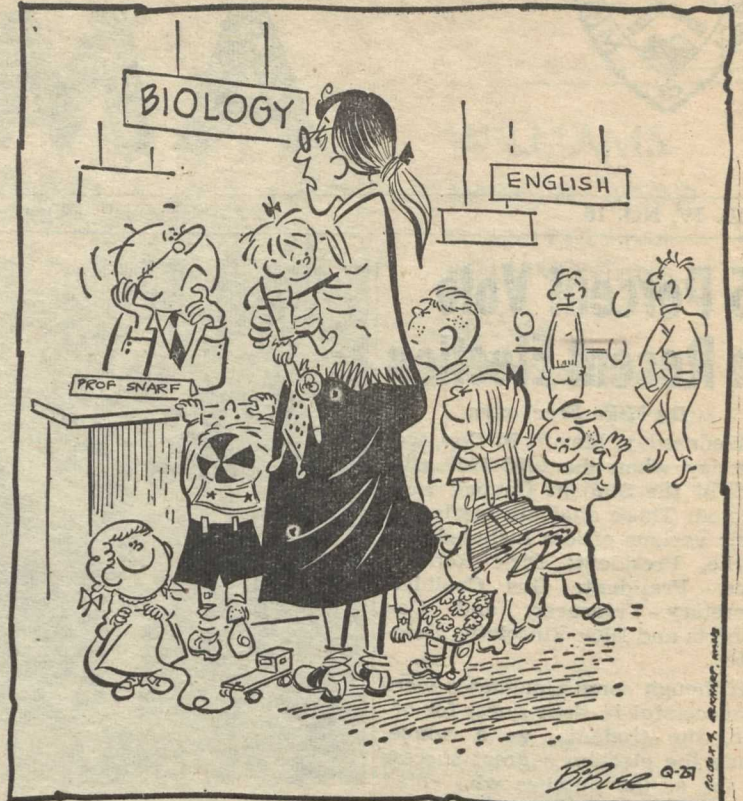
There is not only one side to this answer. Walter E. Hoadley, Jr., Treasurer Armstrong Cork Company, Lancaster, Pa., states, "The period in which we now find ourselves is best described as an interim period between the terrific expansion during recent post-war years and a resurgence in the economy of a few years ahead. I consider this present decline to be more than a rolling adjustment." Mr. Hoadley expects this period to last from 2 to 5 years but most of the opinions of the economists are that this recession will be no longer than the 1953-1954 recession.

(5) How can the U.S. get out of its recession?

According to leading economists we place too much reliance on the erroneous concept that if the economic situation gets very bad the government somehow by magic or other device can create "purchasing power." Purchasing power is what is needed for recovery but it can not be achieved by the government.

The responsibility of the recession can be laid at the feet of the people. Labor unions have utilized their stronghold on business in recent years to extort higher and higher wages under penalty of strikes that would be so costly as to make it impractical for employ-

LITTLE MAN ON CAMPUS



"THIS MUST BE A REQUIRED COURSE—MY ADVISER KEEPS TELLING ME I'D BETTER TAKE IT IF I EVER EXPECT TO GRADUATE!"

Get That Stomp!

Look gang! KOPR's got nuthin' on us. Maybe the nine to fifteen-year-old crowd doesn't buy any cars, homes, groceries, hardware, clothing, or sporting goods — but they sure buy a lot of records! So, in order to make the consumer happy, we're going to play the kind of music his imbecile little kid goes wild for. Therefore, we proudly present the first . . .

. . . M.S.M. PREDICT TUNE!!
 (no music, just beat your head on a wall for rhythm)
 Eeeeeee-ha! Aaaaaaa-ugh-aaaaa-ha!
 (Next three lines unintelligible)
 I was-a sneakin' down to see Saddle-pants Sue
 When I-a stopped in Joe's for a soda or two
 They-a had a juke-box goin' with a crazy beat
 And I couldn't help-a jumpin' on down the street.
 With-a he-hi-foo-slobba-slobba-slobba-slob
 Two-bits for a soda is really a rob
 For that kind-a money you could buy a soft goo
 And sixteen sticks of bubble gum too!
 Eeeeeee-ha! Aaaaaaa-ugh-aaaaa-ha!
 A-slick-trick-chick-with-some-short-snort-rompers
 It's-a-good-thing-I-got-my-hob-nail-stompers
 Let's hop, hop, hop
 Until we drop, drop, drop
 I never wanna stop, stop, stop . . .
 STOP!!!!
 A-boo-ba-do!

ers to resist the unions' demands. The only alternative for the companies was to raise prices.

The laborer gets higher wages but with the recent depreciation of the dollar he can only buy half as much as he did before.

In the final analysis there must be teamwork between labor and management. Prices as well as wages must be stabilized if we are to get out of the recession.

Recessions are not unusual in the history of our country, we had one as recently as 1953-54. Recessions should not be viewed with panic but only as a natural fluctuation of our economy.

Once upon a time there were three bears. One morning they came down to breakfast and Papa Bear looked at his bowl and cried, "Someone's eaten all my porridge."

Baby Bear looked at his bowl and cried, "Someone's eaten all my porridge."

"Sit down and shut up," said Mama Bear. "It ain't been poured yet."

Skeleton: A pile of bones with the people scraped off.

Letters to the Editor

To Brahmin Brown:
 William Hazlitt, late eighteenth century critic, wrote an essay on Nicknames in which he pointed out that a label applied in a personal manner often had the effect of "suspending the formalities of reasoning." I suspect he was right. Even my friends have been (affectionately) referring to me as the Hun, since the congratulatory letter was posted.

I rather enjoyed the publicity of the personal slander. There was so much 'froth' in the ink, however, I couldn't decide upon what part of my editorial to be ashamed . . .

The Hated Hun,
 E. Lahey

Dear Editors:
 Shouldn't the word "bi-monthly" which appears in your masthead be changed to "semi-monthly" in view of the number of issues you publish each month?
 Very truly yours,
 John X. Combo, '47
 Subscriber
 (Ed. Note) The Thorndike-Barnhart Dictionary tells us that "bi-monthly" can mean either "every two months" or "twice a month."

Dear Editors:
 I am a typical clean-cut Mines student, but for some reason people are always rude to me. All the guys laugh at me and every time I ask a girl for a date, she replies with a nasty remark. If I have insulted anyone or caused anyone to have a bad impression of me, I would sincerely like to apologize and beg his forgiveness.
 Eddie Foy
 (Advisor's note: Editor's reply was censored!)

Young man transferring from Engineering to B.A. would like to trade one good study lamp for comfortable bed.

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Sun., Mon. May 25, 26
 "THE HELEN MORGAN STORY"

Tues. May 27
 NO SHOW

Wed. May 28
 "GUNSIGHT RIDGE"

Thurs., Fri., Sat. May 29, 30, 31
 "I MARRIED A WOMAN"

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Students Turn Tables at MSM

The opportunities for students to openly judge the faculty are becoming fewer all the time. Since the elimination of the Blast, the Kangaroo Court has become a sort of Court of Last Resort. This year's Kangaroo Court was one that will be long remembered.

Professors Vine and Stout were accused of reducing the profits of the American Tobacco Company by refusing to allow students to smoke in lab. For this grave offense each man was handed a sock filled with flour to "maim or mar" his opponent. Professor Harnish apparently hadn't forgotten his backwoods days because he was charged with chewing tobacco; and a low-grade type at that—definitely bourgeoisie. One would think that with all this chewing experience, his expectorating prowess would have been highly developed. But no, for he was barely able to fulfill the requirements of his penalty. Now about ever colorful Professor Albertson; cavorting as a Bohemian artist was the charge. The good Mr. Albertson had the fitting requirement of a short dissertation on why he likes athletics. N'est-ce pas?

Highly popular Professor Pinckney was duly tried and convicted of claiming that he didn't like to teach. Now everyone knows what a psychologist he is. Mr. Pinckney gave a creditable talk on his dislikes of teaching. It appears that Professor R. I. Smith was born with a box of birdseed close at hand. This fact was brought out at his trial when it was revealed that "Snuffy" distracts the students by his ever-blowing whistle. As if this charge wasn't enough, the prosecuting attorney further informed the jury that Mr. Smith has some ambiguous sketches called flow sheets. Dr. McLeod combined with Professor Smith in an off-key duet on the merits of the P-Chem text book. Dr. McLeod had been charged with corrupting student morals and singing sour notes.

Dr. Koch was charged with the most serious offense of all. This gentleman was accused with aiding and abetting the administration of MSM. The prosecutor went on further to claim that actually it was possible to see improvements on the campus. Since nobody would rise to his defense the charges stood as read. Mr. Cox, although new to the campus, managed to make the list. He was charged with finishing a text book in one semester and the alienation of affection of the students. Several of the co-eds "spontaneously" got up on the witness stand to testify that Mr. Cox is a renowned Lothario. Once again the penalty was carried out by a pair. The second culprit happened to be I-need-no-mike Professor McCaslin. These two gave their version of an old time vaudeville pie-throwing contest. Mr. McCaslin also teaches cats, it was revealed. The jury couldn't possibly be blamed for a verdict of guilty in this case. Coach Simonich provided some of the best entertainment of the entire afternoon. He quite willingly took on Albert Walkup & Co. in a very "even" wrestling match. The jury couldn't help being prejudiced when it heard the nature of the charge. The Coach has had a basketball team beat that old MSM rival, Carroll; provided a top-notch sports program; and, increased the all-round morale of the students. Faculty take heed. Or you too may be brought up before your peers next year.



Cox and McCaslin get just desserts.



Students brave clammy weather to whitewash local landmark.

Orediggers Dump Carroll

The Montana School of Mines beat Carroll college 14-11 in a free-swinging baseball game in Helena Thursday night, May 8.

The Miners got their 14 runs on 13 hits including a solo homer by Donovan in the sixth. Carroll got its 11 runs on 12 hits.

The Miners had two big innings, racking up five runs in the fourth and four in the seventh. They made five errors. Carroll totaled six errors.

Crosley went the route on the mound for the Mines, with Hanley behind the plate. Tom Vandenberg started for Carroll, but was relieved by Tim Stanaway in the fourth. Tom Dowling caught.

Tau Tops in the Volleyball Tourney

With a won-lost record of 9 to 0, Tau's team number I defeated the Rho's team number II in a 3 out of 5 contest. The Rhos won the first two games but lost the next three.

Members of the Tau's team are Dokken, Diekman, Hunter, Hannah, Kerr, Zipperian, Bato, Schweitzer, Butler, and Thompson.

The Rhos had a won-lost record of 8 to 1. Evan's team took third place with 6 to 3, and the Faculty finished fourth with 5 to 4.

Math vs. Physical Ed in Russia

The Coach Magazine

When Peter the Great set up Russia's first university, he had to draft students with harsh measures. Today, the west is staring at a flood of excellent Soviet engineers and scientists—and their numbers represent no compromise with quality. What is behind this amazing educational advance?

For one thing, Russian schools work with the best of raw materials. Tuition fees have been abolished and 75 to 90 per cent of the students in higher education are state supported. The only hurdle they must jump to reach the ranks of the Soviet privileged elite is the grinding academic pace. By contrast, an estimated one-third of American high schoolers in the top two IQ percentage point ranks do not go to college—frequently for financial reasons.

Secondly, Russian children get more hours of schooling in 10 years than Americans do in 12.

Finally, Soviet students don't know what "snap courses" are. About 35 per cent of their basic education (first 10 years) is devoted to science and math. They begin physics in their sixth year, chemistry in the seventh. Yet in 1955 less than one-third of American high school grads had studied a year of chemistry; one-fourth had taken physics; only one-seventh had been introduced to any of our public advanced math.

When the report on the Russian education system was released in Washington several weeks ago, a loud cry went up from parents that U.S. schools ought to "beef up" their science and math programs and cut down on physical education. It was apparent that few people read the complete report. In Soviet schools, students actually receive a full program of physical education, grades 1 through 10, which is required.

Cooler heads among those who have taken time to study the Russian education system know that the Reds not only lead today's world parade in science—but in sports as well. And their education system is loaded with classes in health, physical education, and athletics. Many of these courses, like many other things in Russia, were adopted from the U.S. system.

What are the results? Russia points to its booming sports and physical education programs as its principal source of national strength and pride. In Russia, there is no cutting down in physical education budgets to put a few more test tubes in the science laboratory. Both science and sport get top priority in Russia. As a result, Russian athletes now hold 68 of the 167 recognized sport records. There is a very good possibility that the Reds still believe the old saying—HEALTHY BODIES BUILD STRONG MINDS.

Thirty days hath September
April, June and no wonder
All the rest eat peanut butter
Except Grandmother
She drives a Buick.

Big M Gets New Face

On May 7, as the sun was just peeking over the hill-tops, and a new day was being born, the long hike to the big M started.

The parade of men was led by a group of hard-working engineers carrying a strange-looking sixteen-gallon keg. Bringing up the rear, was Duane Diekman and his bucket brigade.

As soon as the hose crews had the hoses connected, water began to flow, and work began on the large block letter.

A long bucket line extended from the mixing spot of the lime to each point of the M until it was completely covered with a new white face. The line was then extended down the hill, and buckets of oil were poured around the letter to outline it and keep weeds from growing too close.

After work was finished, Duane Diekman, marshall of this very elaborate day, congratulated the students on their work by saying, "Hic!"

Hunger Triumphant Again

It would be appreciated if the party who exchanged John Tempelin's sandwiches for a brown, scrubby, beady-eyed mouse would please return them—or did the two and a half inch mouse eat them? "You never know what will happen around this school," John said with a shaky laugh. "I would not have minded, but I had just taken a sociology test and was considerably frustrated. All in all, it was quite an experience. Feeling the need for a quick stimulus, I opened my lunch bucket to get a sandwich. Instead, there on an old rag, was this moth-eaten, crumb cruncher looking at me as though to say—'Well, what do you want?' I must have insulted him when I called to the other fellows, because he leaped at me like a mad tiger and started running around like a crazy spider. The next thing I knew everyone was chasing the 'rug monkey' around trying in vain to catch him. We did not succeed, however,—I could not reach him from the chair I was standing on. (Lucky for the coeds). Things soon quieted down and we all resumed our card games and finished our lunches. (I ate the mouse)."

THE PHANTOM

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Know Butte . . .

HILL CITY 68 YEARS OLD.

Walkerville, the Hill City, called by many as the "Mother of Butte" and one of the earlier settlements in this district, is in its 68th year as an incorporated city—11 years younger than Butte. Actually Walkerville is the older.

After Walkerville received its papers of incorporation in 1890 William Hall, superintendent of the Alice Mine and Mill, was elected Mayor, the first of 21 to hold that position in the City's history. Elections are uncommon in the Hill City.

At one time, it boasted a population of 2,500. That was shortly before World War II.

Walkerville like Butte is a colorful community. Although small, it is broken into districts, commonly known as Corktown, Sun View Terrace, Seldom Seen, Dewey's Point, Chicken Flat, Butchertown, the Corra.

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In Retrospect

One day I looked at the bulletin board! I don't do this very often. I found out a long time ago that bulletin boards are full of notices and announcements, and who cares about such trivia? At any rate, I looked, and received such a shock that I probably will leave bulletins strictly alone in the future. Here was posted a notice concerning the 1958 examination for professional engineer registration in the state of Montana. This part didn't bother me. I'd heard through the grape-vine that all engineers now have to take examinations and be registered. The heinous part of this bulletin was the booby trap exposed under parts I and II of the examination announcement.

Part I of this engineer examination is supposed to cover the areas of mathematics, physics, chemistry, economics, and electricity. There must be some mistake! I read it again and it said the same thing. Here I've been working for four, or is it five, whole years to be an engineer and now they want me to answer questions in mathematics, chemistry, physics, economics and electricity! What connection could these have to engineering? I've been fed that milarky by various profs ever since I was a freshman. It's collusion, that's what it is. Well, anyhow, that's only one part of the exam.

So, I read Part II. This part covers statics, dynamics, strength of materials, thermo heat power, and fluid mechanics. Here's more of those silly courses I had to take to satisfy the registrar; not one course in my major! Petroleum isn't even mentioned. As far as that goes, neither is metallurgy, or geology, or mining, or mineral dressing. I get a degree in one subject and then have to pass an examination in all of these other things! It's quite evident the cards are stacked, but why?

I wonder if it has something to do with this crazy curriculum business I've heard about once or twice. My adviser told me once that all of these courses I didn't want to take were carefully designed to develop a well educated engineer. I thought they were clever devices to make jobs for professors and flunk out the students. I also thought my adviser was giving me this song and dance to cover up a pretty sorry mess. Maybe he was on the level after all. Maybe I should have paid attention to all that chatter he called advice.

Come to think of it, what is engineering? And here I received another shock. The dictionary has words in it and tells what they mean. Oh, well, I guess we learn something every day. For those

of you who don't know, as I didn't, engineering is the art and science by which the properties of matter and the sources of power in nature are made useful to man in structures, machines, and manufactured products, and an engineer is one who designs or contrives; also a plotter. Boy, that last is for me sure; I've been plotting for years how to get a degree without doing any work. But, to get back to the main point, I studied that definition of engineering for a few minutes and compared it against the subjects covered by the engineers examination and it began to make sense. This examination covers those subjects dealing with the properties of matter and the sources and effects of power by means of which an engineer can design structures, machines, manufacturing processes and manufactured products. A metallurgical engineer uses these subjects to do engineering work in metallurgy, and all down the line. All engineers use the knowledge of these same subjects to do engineering work in their special fields. To find out if a man is qualified to do engineering work, the examination has to be on knowledge which makes an engineer. On the other hand, the major is the field in which he is qualified to do the engineering work. So that's how it is!

Then I really did some thinking! This is my senior year. I have to pass this engineers examination before I can practice engineering as a private, professional engineer. Of course, I can be employed on the engineering staffs of companies without holding a license, but they too will probably want me to be licensed, either now or later. I can cram and pass the exams all right, but something ought to be done to let a student know what the score is when he's a freshman instead of a senior. We take too many courses only because we have to, and as soon as they are finished we just forget them, like a bad dream. Trying to cram such courses now for the professional engineer's exam will be more like a nightmare. Oh, I was told, all right, not once but practically all the time, but students just don't believe the big, bad wolf stories. Somehow we have to be shown what it means to us. If I had known four years ago what I know now, I probably would have worked just as hard in math and physics and those other courses as I did in the courses of my major, and would have tried to remember them after they were finished. It's too late to help me, but I hope someone figures out some way to help other students to see the picture while they still have a chance to dig in and learn the stuff they need to know.

A Student.

Geology Field Camp To Be Held at Prey

The Montana School of Mines geology field camp will begin August 18 at the Bow and Arrow dude ranch near Prey, Montana, with Dr. Fred Earll in charge. Geology 63, (elementary) geologic field mapping, will be taught the first three weeks and will include methods of field mapping, the measurement of geologic formations, the preparation of stratigraphic sections, and the preparation of maps and written reports.

Geology 69, advanced geologic field mapping, will be taught during the second three-week period and may be augmented by a trip with the Billings Geological Society.

The cost to the student, for board and room, will be 80 dollars for three weeks or 150 dollars for all six weeks. These amounts cover meals for seven days a week. The students will stay in a large log building, complete with showers and toilet facilities. Only a bed and mattress will be furnished by the ranch and persons attending the camp should bring their own blankets or sleeping bags.

The camp, which is located nine miles east of Prey and approximately 32 miles south of Livingston, will be in session for six days a week, with Sundays and Labor Day off. The area abounds with excellent trout streams and many mining claims are to be found nearby.

Dr. Earll has announced the possibility of side trips to points of interest. In addition, many students will want to visit Yellowstone Park, 35 miles to the south.

The M.S.M. geology field camp is the only camp in Montana run exclusively by a Montana school.

A college student is one who enters his alma mater as a freshman dressed in green and emerges as a senior dressed in black. The intermediate process of decay is known as a college education.



New Geology field camp at Prey, Montana. Students will be housed in the large building at top center.

Expansion in the Petroleum Building

Reconstruction and construction are going on all over the Montana School of Mines campus. The halls in the basement of Main Hall have just been remodeled and now the finishing touches are being put on the second floor of the Petroleum Building.

When the Petroleum Building was built in 1953, the second floor of it was left unfinished. At that time there was no great demand for more space in the building, but today the physics department has expanded to include courses in electronics and instrumentation. These courses needed more laboratory room and the expanding mechanics department needed more office space, so this fall the hammers began to pound away.

If you walk up to second floor now, you can see them putting the finishing touches on two labs, two offices, a classroom and several storage rooms. This construction by no means completes the second floor. There is still room to finish another classroom and two more laboratories as Montana Mines grows.

Dr. Zaderenko and Mr. McCaslin have already moved into their new offices. The electronics and instrumentation classes are sharing the instrumentation lab as the paint dries in the electronics room. The new electronics lab is equipped with a spring-loaded table to protect ultrasensitive instruments from the vibrations of the building. It isn't that the building is so shaky, it's just that when those fellows say that their equipment is delicate, that's exactly what they mean.

Mines students can be very proud that their rapidly improving campus still makes MSM tops in technology.

Wife: Do you realize it's been weeks since you told me you loved me.

Husband: Just last night I told you I'd lie for you, steal for you, rob for you. What more do you want?

Wife: That's just it! You'd do all that and you would be sitting in the jail with all that company and I'd be sitting home all alone—that's just like a man.

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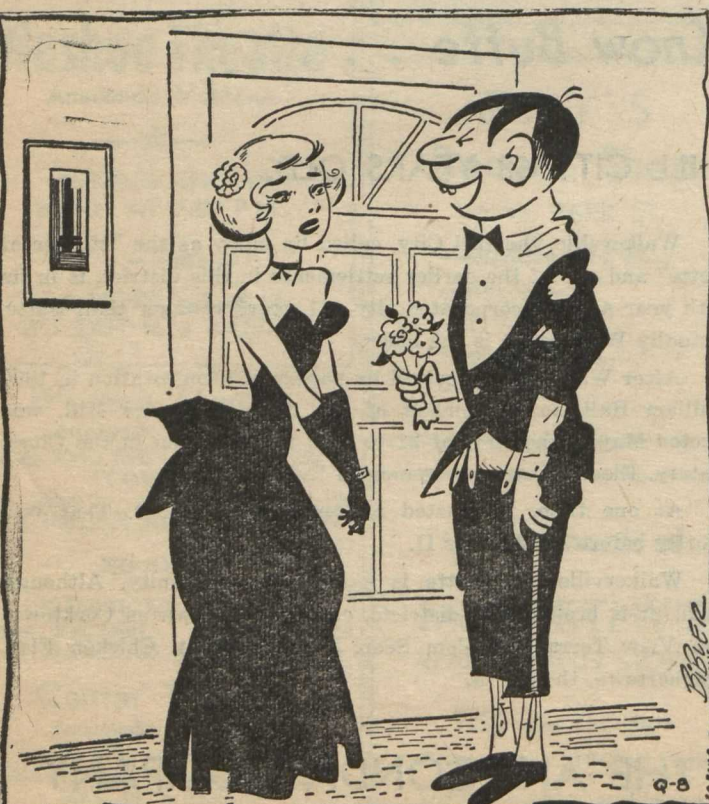
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