The information in this paper was completely compiled and edited by the students of The Montana School of Mines.

Editorial Staff

Faculty Adviser, Perry F. Roys
Andrew Mular
Theodore Berthelote
Rodney Foster
Frank Howald
Arthur Morris
Dick Siguaw
Darrell Anderson
Glada Ann Nichols
Sally Bires
Jacquelyn Greenough

"Bigwheel Says"
"Amplifier Says"
"The Faculty Speaks"
"Personality Spots"
"Meet Your Faculty"
"Topic of the Day"
"Fraternity News"
"Articles of Lasting (?) Interest"
"Your Club Is"
"Cadence Count"
"Personalities and Jokes"
"The Kid in the Corridor"
"Sports in Review"
"THE BIG WHEEL SAYS"

Dr. Van Pelt feels that if anything can contribute to the over-all success of the school, it is our school newspaper.

Naturally, our school paper is going to include some criticism; however, there are two types of gripes: destructive and negative, and constructive and positive. Let’s make those criticisms we find necessary and positive. Only in this way can our paper be a great spoke in the wheel of activities of the Montana School of Mines. It can reveal the true facts about the current issues prevailing in our school life. We students need no longer be misinformed as to school problems and issues. Let’s take advantage of this paper by making our opinions known, by presenting our ideas for consideration, and by giving constructive criticism printed for evaluation.

A new faculty committee is being formed at the Montana School of Mines. The job of this committee is to take a long look ahead and advise the administration on where the School of Mines should be in 5, 10, 15, and 20 years or more. An over-all look at the future of the school is bound to have important results. The committee is free to look at every conceivable problems such as curriculum, athletic program, laboratory facilities, student social program, and any of a hundred things. The committee has no power to make final decisions; in advising President Van Pelt and other faculty members. Naturally, the faculty committee will not do the job entirely on its own, but will invite comments of students and alumni, other faculty members and groups concerned and interested in the growing success of the school.

Your reporter asked Dr. Van Pelt whether there are plans for enlarging the Petroleum Engineering department to meet the growing demand. He said that plans for further growth are definite and furnished the following statement:

"We are proud of the strong growth of the Petroleum Engineering department since the curriculum was first offered in the fall of 1947. In the last five years the percentage of all juniors and seniors who majored in petroleum engineering has been as follows:

<table>
<thead>
<tr>
<th>School Year</th>
<th>Petroleum Engineering Majors Percentages of all majors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950-51</td>
<td>14.5</td>
</tr>
<tr>
<td>1951-52</td>
<td>18.2</td>
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<tr>
<td>1952-53</td>
<td>15.4</td>
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<tr>
<td>1953-54</td>
<td>22.1</td>
</tr>
<tr>
<td>1954-55</td>
<td>30.6</td>
</tr>
</tbody>
</table>

"With the continued growth of the oil industry in the Northwest, it is essential that the School of Mines expand its petroleum program and maintain a top position of leadership in petroleum education, both in production engineering and in geological engineering.

"The new building and laboratory equipment in the Petroleum Engineering department was a big step forward. Next year another step, equally important, will come when the department staff will be placed on the basis of two full-time men, plus some part-time assistants.

"By concentrating his staff mainly on drilling and production, with refining handled in the chemistry department, we are able to give the petroleum engineer much more personal instruction than is possible in the big mam-production departments."

Sally Bires

"School Play Comments"

Mr. Laity compares the play to those put on by students of larger colleges such as the University of Washington. Many students, however, who were acquainted with the members of the cast, laughed at the wrong times---(Would these people please see Mr. Chance for further briefing?) Overall Comment: Darn good work by Chance and cast!
Well---Spring has brought flowers and Spring has brought the new regime. The new regime, or new Amplifier Staff, are a combination of old members and new members. We're going to introduce ourselves in this first issue and later, we hope to introduce even more new members.

New Editor:
Andy Mular, Butte, Montana, Jr. student, hateful personality, but has a tendency to bawl his way into accomplishing an objective--------a good paper.

"Sports in Review" byline:
Dick Sizaw, Spokane, Washington, Sophomore student, critical personality and an interest in sports---what our paper needs.

"Personality of the Week" byline:
Glada Ann Nichols, Whitehall, Montana, General student, kinda cute with reasonable intelligence and frankness. To be personality of the week!

Random reporter:
Jacquey Greenough, Butte, Montana, Gen. student, tall, pert, seems to be half smart (darn it) who handles the big job of typing the paper and writing random articles.

"Topic of the Week" byline:
Frank Harald (Doug's brother), quiet personality, married---a good man for the byline as you can see.

New Co-editor:
Ted Berthelote, Polson, Montana, Jr. student, blunt personality with a talent for spotting errors in most anything----just what we need for an editor.

"Meet Your Faculty" byline:
Art Morris, Kalispell, Montana, really a stinker, always criticizing something, good debater, and---a fair writer.

"Bigwheel Says" byline:
Sally Bires, Butte, Montana, gen. student, medium size, neat, frank and tackling a byline which should prove interesting to every student on campus.

"Your Club Is" byline:
Rod Foster, Dillon, Montana, Jr. student, married, indifferent personality, tendency to get down to brass tacks and get the "facts."

(Reserved for future members.)

Hi Butch!

So---we're your present staff until next issue after which we hope to have an increased membership. By the way---the Amplifier invites all members of the student body to write any articles or criticisms for the paper if they wish to do so. Do a good job and we'll print it. We intend to put a paper out once a week if possible and we'll need material for it. C'mon------let's join the bandwagon and take an interest in the school paper!

Editor
Dr. A. J. Smith, Mathematics

One of the features of the annual meetings of the Montana Academy of Sciences, to be held this year at the School of Mines, will be an address by Dr. George polya. The address, titled "Mathematics and Plausible Reasoning," will be given in the auditorium of the Library Building on Saturday, April 16, at 1:30 PM. All who are interested in mathematics and science are urged to attend.

Dr. polya is Professor Emeritus of Mathematics at Stanford University. Since his retirement in 1953, he has been lecturing at the Swiss Federal Institute of Technology in Zurich. He is at present serving as a visiting lecturer under a program sponsored by the National Science Foundation and the Mathematical Association of America.

Dr. polya has written a number of articles for various technical journals. He is also the author of two books, one called "How to Solve It," and the other is called "Mathematics and Plausible Reasoning."

His "How to Solve It" can be read with profit by anybody who has studied high school algebra and geometry. His other book, which is published in two volumes slightly more advanced, but is still within the grasp of anyone interested in getting some ideas about mathematical reasoning.

Dr. polya's specialty might be described as mathematical psychology. That is, he is interested in studying the mental processes which are used by people to solve, or try to solve, problems of a mathematical nature.

Dr. polya is reputed to be an outstanding teacher and an excellent lecturer. Students at the School of Mines, as well as other interested persons, would find his address interesting and remarks profitable.

AG: Know how to drive a baby buggy?
WM: No! How?
AG: Tickle its feet! (ha-you know laugh)

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By B. Huber

"PERSONALITIES AND JOKES"

Here it comes:

FLASH** SCIENTIFIC DEPARTMENT--You readers are the first to receive the outstanding results of one of the most outstanding experiments ever to be carried out at the West Park Street Laboratories of the U&J Scientific Bureau (Dr. Ed Horgan, Chief of Staff).

Now, a brief history of the case: Medical science says that the human bladder can not hold a quart of liquid material. As usual the keen minds of a group of MSW students immediately questioned the validity of this statement, and quickly set out to test the facts. Swiftly the biggest drunk---oops, applicant I mean, was chosen, and began consuming large quantities of a beverage known the world over for its fast qualities." In 45 min. the actual experiment was completed. RESULT---the human bladder can hold a quart and I'm out $5.00!

WHY SHIFT BOSSES GET GRAY****

DICK SIGUAW calmly pulled a chute and spilled ore all over the drift. The boss wasn't mad---he said, "It can happen to anyone," and then he found out that the motor, two cars, and Dicks' gardener were under the pile!

DON SKELTON like his job mucking and breaking rock so much that when heads were counted on surface at the Leon and mine after shift the other nite, he wasn't to be found. No sir, he stayed over to 'finish up.' His shift--er was only too happy to go back down the mine and tell hard working DON that it was 4:00 AM and that he could go home. DON was happy about it!

FOREIGN NEWS**

On his way back to school from Polson after Easter, T. BERTHELOTE and his Dad were following a car outside of Missoula, and could hardly help but notice what seemed to be a harem in this seemingly familiar car. Upon passing the car, who should he see but BOB LONG surrounded by six (6) beautiful women. Where you keeping them BOB?

Q. What has 100 pair of legs and flies?
A. 100 pair of pants (ho, ho)
MEET YOUR FACULTY

He came to the School of Mines in 1950 with a master's degree, the desire to teach, and a wife. These are the facts describing a man very familiar to all sophomore students, Frederick Herman Carl Schultz, Instructor in the Physics department. Carrying a large rubber eraser, and covered with chalk dust, Professor Schultz is always seen in the sophomore physics laboratories lending a helping hand to students puzzled by a wiring diagram or a beaker. In addition to these duties, last semester Professor Schultz taught Applied Mechanics while Professor Harmon was recuperating from an unfortunate illness.

While being interviewed, Professor Schultz remarked that he had: a knack for carpentry, which came in handy when he purchased an old house right after he arrived in Butte; two kids, a boy, 4, and girl, 2; a Nash, which he will trade for station wagon (any takers?); won the light-heavyweight boxing championship of Navy Pier while in the service; an admiration for Prof. Laity for the good job he is doing in giving emphasis to the need for humanities in engineering education; 2 or 3 students enroled in Electronics 105-106 last year; and plans for getting a doctor's degree once. He also remarked that he liked to hunt and fish, which has involved him in a dispute with the Chem. department. He has a .257 Roberts, and the umb clucks over there say a .257 won't even......(hmmm, guess I'll leave that unfinished until I complete my chem courses...)

Any extra time he has, Mr. Schultz helps Mr. Nite work on the records and data from the seismographs operated in conjunction with the Coast and Geodetic Survey. Let us hope that Mr. Schultz enjoys the rest of his teaching years as well as he seems to have enjoyed the first five.

By the way, reliable rumor has it that Professor Schultz has just accepted a position as Assistant Professor in the Physics Department of the State College in Butte. Our congratulations and hopes or continues success! !

Art Morris

PERSONALITY SPOTS

Entering the library Tuesday A.M., I encountered someone who appeared to fit the requirements of a "personality spot." John Hager was the name given. This particular individual hails from Big Timber, graduating with the class of 1954. During the conversation he stated that petroleum engineering held his greatest interests. He answered a hesitant "yes" when asked if he planned to return next fall. Sleeping and doing nothing is his way of spending his spare time (what there is of it!); the week-ends being devoted to recuperating(?) from the five days of classes. His favorite subject is math, with Mead ranking as the most favored teacher. Dorm life isn't held in the soft spot in his heart; but, he'll live thru the remaining two months of school. In the summer, he plans to work in the creamery at home as usual.

After his college career his plans will be temporarily in the hands of Uncle Sam - the Navy preferred. If you hadn't noticed already, John is also a Copper Guard pledge.

Due to up-and-coming term papers, the conversation had to be quickly terminated. Thanks, John, for your time! !

Glada Ann Nichols

A business man coming home from work was telling his family about the new secretary he had hired that day.

"She is the most beautiful girl I have ever seen, just like a baby doll."

His very youngest daughter interrupted him, and asked:

"Daddy, does she close her eyes when you lay her down?"

* * *
"TOPIC OF THE DAY"

by Frank Howald

you want out! Everyone at the School Mines is here for one purpose—to graduate. It is up to the individual to have the ambition and drive to keep studying and working for that goal.

A trapeze student looked up at the insecure station on which he was to perform and suddenly froze in fear. His instructor put a friendly hand on the student's shoulder and said: "Throw your heart over the bar and your body will follow." The heart symbolizes creative power. Fire the heart with great aspirations! Fix your goals so deeply in your subconscious that you will never walk away. Expect the best, not the worst. Emerson said: "Be aware of what you want for you will get it." Some college students have a basic flair for failure—in their studies, in extracurricular life, in maturity, in human relationships. As an individual can throw your art over the bar and success will follow as day will follow night.

William James, the father of modern psychology said: "Our belief at the beginning of a doubtful undertaking is one thing that insure the successful outcome of your venture." When you expect the best, you can put yourself in your endeavor as a finished person, and the difficulty, which itself is often a symptom of anxiety, begins to deteriorate. Positive self-reliance, optimism, and all out endeavor magnetizes your person, releasing creative power.

Look around you, at your fellow students! There are those who are on top and those who are at the bottom of the class, but we can all be on top if we just—"Throw our hearts over the bar!"

"ARTICLES OF LASTING(?) INTEREST"

Our student body lacks spirit! Face it! Go to one of our infrequent convocations and look around for a familiar smile. It isn't there—because the "familiar smile" has decided to skip convocation. "Nothing which really matters will be discussed" seems to be a generalized phrase for handy use by every gold-bricker. The gold-bricker never attends school functions which may interest him as an engineer. For instance, the school occasionally invites a distinguished professional man to lecture to the student about subjects of engineering interest. "Smile" however, has to skip the lecture; it doesn't interest him. What's wrong with us? Are we still highschool students who must be driven like sheep? or are we potential leaders in the mineral industry? We, as a school, have more to be proud of than does any other school in the Northwest. Our scholastic standing is higher; our faculty consists of some of the best brains in the country! Our graduate engineers have some of the more important positions in industry! Our present-day students are the cream of the crop!

All that—and we take a passive attitude toward ourselves and our school. Why, years ago, men (and we are men) were proud to be associated students at the Montana School of Mines. Today, well—"Smiles" typifies present-day attitude.

Certainly this lack of interest, this sluggishness, this lack of spirit, can be eliminated! Get in there and do something! Go to all convocations! Attend lectures; they're for our interest! Take an active interest in major activities! Criticize! Praise! Put forth our best efforts and make our student body a living thing!

He: "I like your form."

She: "Must we go over all that again?"
"Fraternity News"

THETA TAU NEWS

This reporter is glad to report the coming annual Echo Lake party is beginning to take shape under the careful planning of the party committee. It is expected that turkey will be the main course for dinner, with afterdinner dancing to the music of Ray's Columbians till the wee hours. The party, planned for May, is an annual fraternity affair, and arrangements have been made, as in previous years, for those frat members desiring to stay overnight.

Plans for M-day are beginning to take form; and a resumption of the movie hour is planned. That's about all for Theta Tau for this week, more next issue.

ATTEND

THE

SIGMA RHO

PARTY

EVERYONE INVITED TO

THE ROSEGARDEN

8! O'clock ON

SUNDAY NITE!

SIGMA RHO LEGALS

The Highest Court of the Montana School of Mines convened on April 5, 1955, at 12:30 p.m. in the Rho Lounge. His Honor, Judge Carl (Justice to Every Man) Canfield presided. It was the will of the court that an injunction be issued against the Associated Students of the Montana School of Mines causing them to cease and desist any action which might prevent them from attending and enjoying the Sigma Rho Dance Party which will take place at the Rose Garden on Sunday evening, April 17. Dancing will start at 8:00 p.m., and continue at the pleasure of the Court, local peace officers having been informed of the will and intention of said Court.

A domestic case was next aired in court. The plaintiff, Bob (S.P.C.A.) Trevisson, brought suit for libel against Andrew (Blue Flame) Mular. The plaintiff accused the defendant of defaming the good name of said plaintiff's minor ward and roommate, Sausage, for reason not presented in the courtroom. A witness, Doug (Big Dutch) Howald, was called before the Court. After being duly sworn in, the witness said that he thought that he might have heard these profane and vulgar remarks of the defendant had he not been either intoxicated or sleeping at the time. On the basis of this irrefutable evidence, the jury decided in favor of the plaintiff, Trevisson.

Judge Canfield awarded said plaintiff the privilege of forcibly depressing said defendant's posterior extremity with a wooden paddle. After said plaintiff had thusly avenged the honor of his ward, sentiment rose against Trev and his ward, SausBabes, and Canhead reversed the decision at the request of the jury. Trev went to his fate without the usual cigarette and blindfold, and can still be seen standing up during classes. E. Westerman
"THE KID IN THE CORRIDOR"

Unknown writer

Hurray, hurrah, hurrah! But wait a minute, how come the kid sounds so happy right after mid-term grades? The usual outcome of the grades makes the kid so he can't even smile at the co-eds a week or so. Well, the explanation this: It seems the kid has just found a way to avoid the usual run of D's and that almost always occur in nice, at lines on his report cards to the exclusion of any other letters. This is how he does the trick: simply do insufficient school work to determine a grade in any course, and take an Incomplete (letter I). This is real easy to do, and leaves you many weeks of work ahead of you before any new assignments are made. Now look at all the stuff you can put off till tomorrow!

EASTER PARTY ATTENDED BY KID**

- persons at party --------------- 30
- persons drunk ----------------- 29
- persons not having good time ---- 1

Receipts from empty beer bottles
Amplifier office------------------- $183.42

Time, editor threatened to punch kid in nose ------------------ 4:03 AM

Time, kid decided to leave party------- 4:04 AM

$##$##$CCXXC%X#ICCC&%" --------- drunk(?)

See you next issue-------

The Kid

"CADENCE COUNT"

R. Westerman
Cadet, Capt.

The annual AFROTC Military Ball, a dance noted for its past success, will take place Friday evening, April 15, at 9:00 PM, in the Museum Hall. This dance is usually acclaimed one of the finest held at the Mines during the year. George Wilhelm and Dick Johnson have novel plans for decorating the hall, and the entire AAS will turn out to do a bang-up job of decorating. Ed Bowman will supply the music: we have contracted for an 8-piece orchestra. Refreshments will be served.

Proper dress for the cadet who attends the ball will consist of his regular uniform, with black bow tie and white shirt. The dance will be semi-formal; everyone is invited, and corsages will be in order. Students and faculty attending the ball should wear suits. Let's have a good turnout!

The Arnold Air Society carnival, while not a booming financial success, was a lot of fun for everyone involved. It's occasions like this that help take the dreariness out of college life and add a touch of liveliness. More occasions like this will be forthcoming in the future, and their support is expected. Many thanks to all those who helped operate and construct the various carnival concessions. Without their wholehearted cooperation, the carnival would have died in its tracks.

Norman Erickson and Jim Kerr returned recently from a stay at Washington, D.C., where they attended the annual AAS conclave. The conclave itself lasted for three days, but our boys were gone for about a week. Part of their trip consisted of a stay at the Statler Hotel in Washington, where they lived the good life. They had a lot of fun and gained a lot of worthwhile experience.
"YOUR CLUB IS"

by R. Foster

The below information was gained by your reporter as a result of interviews.

Newman Club

The Newman Club meets every Monday evening from 7:00 to 8:00 PM. On frequent occasions the club has watched Bishop Fulton J. Sheen on television. Following the T.V. program the club discusses different articles of the Catholic faith in order to better understand and defend the truths of the Catholic Church.

Father Garrity is the moderator who guides the active members who are:

- Nevin, President
- John Stuart, Vice-President
- Walter Danowski, Sec-Treas.
- John Hager
- Bill Hilden
- Bud Sommers
- Larry Hanson
- Jack Vogel
- Jim Connally
- Mike Peiko
- Larry McCarthy
- John Cashed
- Joe Hughes

The club is always seeking new members so if you're interested in joining don't hesitate.

Anderson-Carlisle Society

The Anderson-Carlisle Society, the student branch of the A.I.M.E. is an organization dedicated to broaden the students technological knowledge in fields of his own personal interest as well as other related fields. In the past few years the organization has been handicapped because of lack of interest by the students, in that good speakers have been passed over in fear that the members would not be present to provide a suitable audience. However, in the last year membership has increased remarkably, to 50 students, thus allowing us to invite more professional men to speak before us on engineering subjects.

All students are invited to join. Even if you haven't decided upon a major field, this may be a way to help you with a choice.

Also as a side interest, free coffee and doughnuts are served after every meeting.

Glee Club

Monday, April 11, at 8:00 PM the Glee Club as well as other organizations presented a program of religious and secular music at the Trinity Methodist Church in Centerville. The program was well received by a good audience, and was followed by a social hour.

The Glee Club has presented in the past, many programs in and around Butte. Organizations such as the Kiwanians and Lions have highly commended our singers.

Any and all students are welcomed and encouraged to attend the practice sessions held every Tuesday evening in Museum Hall at 7:30 PM. If you enjoy singing, come on out—never mind what your roommate thinks—he'd probably like to try himself.

Mineral Club

The Mineral Club is an organization composed of students who are interested in the study and collection of minerals. Forthcoming spring weather will allow for several field trips this spring to places of interest to the mineral collector.

Because of the transfer of past-pres. Bob Russel to the U. fo Idaho, G. Wilhelm is acting president and J. Shaffer is Sec-Treas. for the spring semester.

For the benefit of members who are interested in gem cutting and polishing, the club has available fine lapidary equipment. Most supplies used in this hobby are available and furnished by the Club. As soon as weather permits, a meeting will be announced to discuss possible field trips. (next page)
Debate Team

Thus far this year, the debate team has taken a trip to Bozeman, where they debated MSC and won five out of six dates. A debate was held between Carroll College and Mines in which they tied. On the 22nd of March they made a trip to Gonzaga and defeated that team the same evening. Next morning they met Whitworth College, outside Spokane, and in the evening Wash. State College at Pullman, Washington.

Our last opponent was University of Idaho. The debates were non-decisions, judges provided only critical analysis. More information concerning the debate team will be published in the next issue so be looking for the news.

SPORTS IN REVIEW

D. Sigauw

Baseball Schedule, 1955

April 16 Sat. MSC at Bozeman
April 24 Sun. WMC at Dillon
April 30 Sat. MSC at Butte
May 2 or Mon. WMC at Butte
8 Sun. Conference meet at Billings.

The track team has been working-out inside for the past month. They are now practicing outside at the Emmett street grounds. Johan DeBeer and Pete DuToit are back and should prove to be outstanding trackmen this year. An item of interest is that D. Dahlem could set a new conference record in the shot-put. The track team deserves a little commendation here because it takes a lot of personal fortitude to set out and run every nite for only two meets. Here's wishing them a lot of success for the season.

The members:

B. Penny
D. Dahlem
M. Perko
N. Shrouser
J. Debeer
A. Deurbrock
B. Perkins
W. Cox
R. Garton
P. DuToit
R. Gevers
A. Westerdahl
M. Sheinkin

Shot, discus, javelin
Shot, discus, javelin
440 yd
880 and mile
100, 220, 220 Hurdle
Pole vault
880 and mile
880 and mile
pole vault
Hurdles
440
440

Field
Pitcher
Outfield
Field
Short-stop
3rd base
Pitcher
1st base
Outfield
1st base
Outfield
Catcher
Catcher
Short-stop
Infield
Pitcher
2nd base
Short-stop
titcher
2nd base

Track Schedule, 1955

May 13 Fri. Con. meet at Billings
May 20 & 21 Sat. WAIA meet at Bozeman for men qual. at Billings.