HERE ARE OUR SENIORS

OUR GRADUATING SENIORS ARE:

<table>
<thead>
<tr>
<th>NAME</th>
<th>HOME TOWN</th>
<th>BS DEGREE</th>
<th>INTENTIONS</th>
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<tr>
<td>CLAYTON, R.L.</td>
<td>Geneva, N.Y.</td>
<td>Geology</td>
<td>Columbic-Geneva Steel Co., Cedar City, Utah</td>
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<td>COOLIDGE, H.L.</td>
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<td>COOPER, S.D.</td>
<td>Butte, Mont.</td>
<td>Mining</td>
<td>Ingersoll-Rand - Sales Engineer</td>
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<td>FONG, E.J.</td>
<td>Alberta, Canada</td>
<td>Metallurgy</td>
<td>Hudson Bay Mining Co. - Flin Flon</td>
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<td>GOODRICH, J.P.</td>
<td>Darby, Mont.</td>
<td>(Min. Dress. Opt.)</td>
<td>Manitoba, Canada</td>
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<td>2nd Lt. - U.S. Air Force</td>
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<td>IVES, K.H.</td>
<td>Los Angeles, Calif.</td>
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<td>Amer. Smelt. &amp; Refining - Jr. Engineer</td>
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<td>JOHNSON, R.S.</td>
<td>Kalispell, Mont.</td>
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<td>JONES, C.E.</td>
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<td>KANE, R.L.</td>
<td>Wynnewood, Pa.</td>
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<td>LANPHERE, M.A.</td>
<td>Spokane, Wash.</td>
<td>Mining</td>
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<td>LEE, T.</td>
<td>Seoul, Korea</td>
<td>Geology</td>
<td>Caltech Graduate School</td>
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<td>Pocatello, Idaho</td>
<td>Mining</td>
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<td>MOEN, O.W.</td>
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<td>Metallurgy</td>
<td>Conrado de Pasco - Peru - Engineer (Min. Dress. Opt.)</td>
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<td>Glendive, Mont.</td>
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<td>Military Service</td>
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<td>SCHOO, H.E.</td>
<td>Milford, Utah</td>
<td>Mining</td>
<td>Leasing Margaret Ann Mine, Butte, Mont.</td>
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<tr>
<td>VAN ALSTINE, C.L.</td>
<td>Butte, Mont.</td>
<td>Geology</td>
<td>2nd Lt. - U.S. Air Force</td>
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FRONT OFFICE NEWS

by J. R. Van Pelt

This, I take it, is the last issue of the Amplifier for the present school year. All of us on the campus, students, faculty members, and staff members, owe the staff of the Amplifier a vote of thanks. Our thanks also go to Professor Roys who has served so effectively and given his time so generously as faculty adviser to this new publication.

Getting a new paper started is no small task. Its general character has to be worked out and modified in accordance with experience; people have to be found who are willing to serve on the staff; the right assignment for each has to be found; the mechanics of publication have to be worked out. Andy Mular and his staff have worked hard on the solution of these problems. Thanks to the staff for making this splendid start!

Every year a number of "Mines" students receive scholarships and other awards which help finance their education and which recognize their leadership in various activities. The names of some of these recipients have already been announced; but you will learn others for the first time when you come to the Commencement tomorrow night (June 10). Winners of the AIME prize paper contest sponsored by the Montana Section will be announced, as well as the winner of the award from the Montana Society of Engineers. The scholarship awarded annually by the American Society for Metals, the two awards from the American Smelting and Refining Company and one of the national awards of the Women's Auxiliary of the AIME will also be presented to "Mines" students.

One award that will not be presented this year is the Viola Vestal Coulter scholarship. This award is offered by our alumnus, Mr. W. J. Coulter ('35), Vice President and General Manager of the Climax Molybdenum Mine, and this scholarship is for junior or senior students who have a grade point average of at least 1.75 for the first two years and who receive at least one letter in athletics during that time. It is Mr. Coulter's belief that a combination of athletic and classroom success deserves such recognition, but this year no student has been able to qualify under these requirements. This is a wonderful opportunity for some student who may qualify next year.

After Commencement we'll all have a break from school routine for a few months. Here's hoping you have a pleasant and profitable summer.

SOPHOMORES DID JOB

Thanks to the sophomores who took the responsibility for getting out last week's issue of the Amplifier and did a bang-up job. Special praise should be given to Dick Siguaw, who took over the editor's job, and his able assistants, Bob Loucks and Art Talpt.

JUNIORS COMMENDED

Mr. Harnish would like to inform the student body and the faculty of the wonderful conduct of our Junior Class during his association with the class. The Stanolind Oil and Gas Company told him that "this School of Mines class was one of the most interesting group of boys they had met." Everyone the Juniors visited mentioned this fact to Mr. Harnish. Also, they were impressed by the well-bred manners shown by the class. The various motel owners (owners of places at which the class stayed) also mentioned the cleanliness of the group. Mr. Harnish, Stanolind, and motel owners think we have a darn good bunch of Juniors. Well, thank you, and we Juniors think the same of you, right fellows?

A note of thanks to Coach Olsen for the excellent intramural program that he organized this year. May next year's program be as good as this year's.

Breathe on this space for one minute ... .
If it turns brown, brush your teeth.
Many news media, equally as prominent as the AMPLIFIER, are paying considerable attention to the current shortage of engineers. Time Magazine of May 30, for example, contains a feature article in the business section which quotes Assistant Defense Secretary Donald Quarles' warning that the engineer shortage is "potentially a greater threat to national security than any aggressor weapons known." The significance of this warning becomes especially meaningful when considered in the light of the recently publicized fact that Russia is producing over two times as many technically trained personnel as the United States. Educational associations and societies, professional engineering organizations, government agencies and the press, in their awareness of the problem, are exposing causes of the shortage, recommending remedies, and publicizing unfilled demand for engineers.

One area, however, which remains pretty much silent on the matter is the engineering student now enrolled in our colleges and universities. What is he doing to help overcome the shortage or what can he do to aid our country in this crucial need? To be most specific, what are we as students at the School of Mines doing in this area? Are we doing our best work while attending college, or are we lackadaisical in our attitudes——thus perhaps discouraging fellow students from studying and hastening the addition of their names to the student mortality list? Are we telling friends and acquaintances in our home towns of the wonderful opportunities in engineering (and specifically mineral engineering) or are we telling them that "it's not worth it" when in our hearts we really feel the objective is worth any amount of effort?

Are we telling high school graduates that Montana School of Mines is an internationally famous school in mineral industry education? Are we telling these high school seniors of the variety of opportunity that exists in the field of the mineral industries? Are we telling them that it is not necessary to be an Einstein in order to graduate from MSM as a mineral industry engineer——that what is necessary is a better than average level of intelligence with a good background in math, science, and English in high school? In short, are we (in our every day lives) doing our utmost to encourage enrollment in and completion of training at Montana School of Mines as we should be doing?

If we are taking the negative attitudes implied above, we are doing a great injustice to ourselves, our school, and our profession. In turn, we are doing a dis-service to our country in which there is a vital need for technically trained personnel. Every time we discourage a high school graduate, every fellow student we discourage from studying, and every other incident which hampers achieving greater numbers of engineers is a black mark against us. Let's have no more black marks against MSM students. Let's let our friends and neighbors know that is does not take an Einstein to become an engineer with unlimited opportunities. Help to answer our country's call for more graduate engineers.

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Dr. Van Pelt has announced the establishment of another loan fund at the Montana School of Mines! Known as the Verner A. Gilles Memorial Loan Fund, the grant consists of $400.00 loan, awarded annually to a student majoring in mining or petroleum geology or geological engineering. Its primary purpose is to give a senior needed financial assistance to complete his education. However, it can be given to a junior or a graduate student, depending upon the discretion of the School of Mines.

No kidding, fellows, with more and more loan funds and everything coming to the school——we'll be so famous, students will have to go on a waiting list! (Comes the day, huh?)

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ATTEND THE JUNIOR PROM BEING HELD THURSDAY, JUNE 9TH. IT IS A FORMAL AFFAIR, CORSAGES ARE IN ORDER, AND ALSO IT IS THE LAST DANCE OF THE YEAR. STUDENTS AND FACULTY BOTH ARE URGED TO ATTEND.
TOURING WITH THE SENIORS

by Marvin Lanphere

Twenty-four seniors returned Sunday weary but undaunted from the Senior Trip. The trip this year, as usual, produced its share of incidents, some of which can be printed.

The trip from Butte to Denver was uneventful. All members of the group gave their undivided attention to geology, mines, oil fields, and smelters. By undivided is meant, we ignored mineral subjects as much as possible.

The group spent five hectic days in Denver. Denver witnessed the end of an endurance record as Sherrold Moore after four days of round-the-clock inspections finally went to bed. All of the seniors were impressed with the reception extended by the Gardner-Denver Company. In addition to $500.00 to help defray transportation costs, Gardner-Denver gave us two luncheons and a banquet. One of the boys passed out at the banquet. The doctor said he was run-down and needed rest. (I wonder why). Even more, however, the seniors were impressed by Gardner-Denver's operations and their personnel who gave us such a good time.

The trip from Denver to Salt Lake was very boring with the same routine of inspections all day and parties all night. However, the entire group profited by the visits to two uranium mines. A conservative estimate is that the students removed $200.00 worth of samples from Charlie Steen's mine. (note: he can probably afford it).

In Provo, a student who shall remain unnamed was picked up by the police for prowling around in a back yard. He claimed he was hunting for night crawlers (?).

Salt Lake was disappointing to most of the group, primarily because of the 3.2 beer. But the School of Mines seniors with usual perseverance managed to have a few small parties.

Probably the most satisfying part of the trip was the fact that only a few days after returning from the trip, the long night would end and the often illusive degrees would be awarded.

JUNIOR TRIP

by A. Morris

After a slightly later-than-scheduled departure from the statue of Marcus, the members of the Junior class of MSM with Dr. Hames representing the faculty left May 31st for Kalispell on the first leg of a trip that proved to be both informative and entertaining. The first point of interest, Hungry Horse Dam, was explained by a guide who took the group through the dam and showed them more than was seen on the regular tourist tour.

The first of the two nights in Kalispell brought Paul Kraft, well-known ex-student of MSM, around to chat with the boys. The morning of the second day saw the students at the Zonolite Company's vermiculite mine and concentrator near Libby. The Juniors saw the vermiculite mined in an open pit mine, largest vermiculite mine in the world, and then sized, concentrated, and graded at the nearby mill.

On the way back to Kalispell, the students were treated to the sight of the progress of a log from millpond to such things as Presto-logs and creosoted railroad ties at the largest lumber mill in Montana, the J. Niels mill at Libby. After this grueling schedule one of the students was not too tired to take on the whole town of Kalispell, were they Paul Burchell?

The next morning (third day) the boys were on their way to Great Falls via stops through Glacier Park, where Garvin Godfrey and other brave souls baited a bear from about one inch away. Staying at the Park Hotel that night, the boys met with Elmer Fudd and George Blumfield, and prepared for the next day by being reprimanded for "disturbing the peace". Seeing the Anaconda plant was really something. The juniors saw the zinc plant, copper refinery, and wire drawing plant. They were guests of the ACM at a luncheon; most of them also made off with a rod or ball of Cadmium, known as the creaking metal.

In the afternoon of the same day (4th day) the boys took the regular trip through the Great Falls Brewery, and enjoyed the lunch, refreshments!, and pictures that followed the tour. The fifth day the group was on the way to the U.S. Gypsum plant and
mine at Heath, accompanied by O. D. Blake, who boarded the bus at the brewery to replace Dr. Hames, who by this time had enough. The boys went on to Billings, where they visited the Carter Oil Refinery and saw the new coke plant they had built. It's the only one of its kind and was very impressive. The new petroleum field station was also visited.

Our next stop was in Wyoming, where we visited the Frannie Oil field and the Elk Basin Field. The Elk Basin field was the only one of its kind, since it's nitrogen fed. The Sulphur Reduction Plant was interesting and situated right on the oil field. We stayed in Cody that night and then went through the Yellowstone National Park. Old Faithful went off on time and we left soon after.

West Yellowstone proved to be an interesting little town and is really jumping during the tourist season. Virginia City proved to be our last stop and finally to Butte, on June 8th.

Everyone enjoyed the trip; especially Mr. Harnish who replaced Mr. Blake in Billings. Mr. Harnish proved to be a help during our trip through the oil fields since we were mostly Mets., Miners, and Geologists.

Hey There

All students are invited to attend commencement exercises. Tickets are available at the president's office. (Dr. Van Pelt has mentioned this already, but AMPLIFIER wished to "amplify" some more.)

Luncheon Honors Seniors on Graduation Day

The graduating seniors and other degree recipients will be honored by the School at a luncheon on graduation day. The next evening the seniors will be guests at the Montana School of Mines Alumni Association annual banquet, held at the Hotel Finlen, Butte.

Sigma Rho News

Sigma Rho fraternity wishes to announce the stag dinner to be held Thursday, June 9th. Time: 7:00 o'clock. Place: Lydia's
SAM CADDY CONVICTION QUASHED

The conviction of Sam Caddy, announced last week, for selling a bronze mine fraudulently stating that it was a brass mine that was quashed by Judge Brown at the hearing to pronounce sentence. In quashing the conviction, Judge Brown announced that "Caddy had been attending Montana School of Mines on and off (mostly off) for the past fifteen years and that during the past eleven of those years had been classified as a senior." As a consequence, Judge Brown concluded that "the mental anguish and uncertainty of the past years had been punishment enough. Sam Caddy was really entitled to sell one more bronze mine mistakenly as a brass mine." President Van Pelt today announced that "Sam Caddy, best known student at the School of Mines during the past 15 years, would be awarded a degree in Absentia."

Ed. Note: We understand that Absentia is where all the graduating seniors will be upon the conclusion of commencement festivities.

CLAWSON TO DELIVER COMMENCEMENT ADDRESS

Mr. William W. Clawson, president of the Mobil Producing Company, Billings, will deliver the address at the fifty-fifth commencement at the School on Friday. Mr. Clawson holds a BS in Mining from the University of Kansas where he graduated in 1923. He is very well known in petroleum circles; his careful combination of scientific and practical approaches to exploration problems in his field has served as an inspiration for younger scientists under his direction. Mr. Clawson is also an extremely capable Metallurgist. In 1942 he wrote a book, Metallurgy of Copper. He has served on the government's Management Survey Committee.

NOW HEAR THIS

Boy, you guys better read Dr. Van Pelt's comments in this issue! We're really going to have a terrific schedule next semester. It has been revised somewhat, and from the looks of things----the sophomores really made out as well as freshmen! Read it for sure.

The AMPLIFIER would like to thank everyone for the cooperation and avid interest which were shown to this publication since its beginning. We hope that it has been entirely satisfactory and will continue to fulfill the school's need for this type of coordinator during the next school year. Speaking of next year - GOOD LUCK AND SO LONG 'TILL THEN.
Erma and Mary are asking---

Who is this "Kid in the Korridor"? It's the end of the school year and Erma (grrrr) would like to get her hands on him. What about this year's annual? Is there going to be a MAMA this year? Where and who is on the staff?

Do you want your grades and refunds mailed to you? If so, how about leaving your summer forwarding address at the business office and if you leave the school with a clean slate (NO FINANCIAL OBLIGATIONS TO THE SCHOOL, ETC) we will be happy to mail you the news; good, bad, glad, or sad.

The Office Staff hopes that the juniors and seniors are finding their trips really educational and worthwhile. We know you will manage to make them very enjoyable trips and ones long to be remembered.

Our congratulations and best wishes for your future success to those who will be getting their "sheepskins" on June 10. We hope that each of you will achieve the goal of success as have a great many of our former graduates.

And to all the rest of the student body, we say, "SEE YOU IN THE FALL".