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The Amplifier - v. 3, no. 7

Associated Students of the Montana School of Mines

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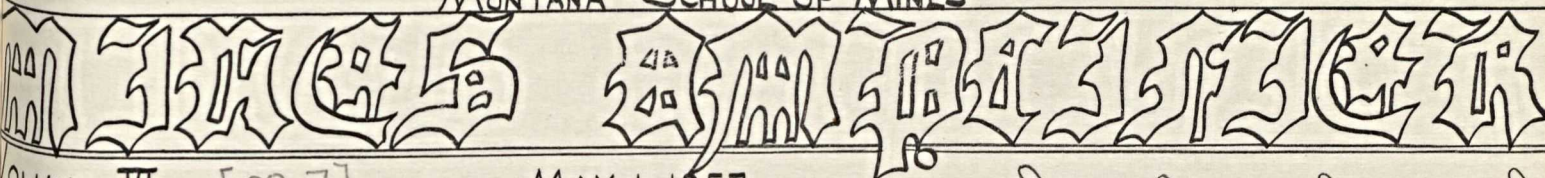
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the news you can't read
anywhere else...

MONTANA SCHOOL OF MINES



VOLUME III [no. 7]

MAY 1, 1957

1957

WEDNESDAY

Traditionally M-Day has been a day of cleaning, beautifying, construction, election and merry-making. However, last year some student efforts were directed toward destruction. Even though the destructionists represented a minority of the students, their work in the dorm overshadowed the positive work of the majority. As a result, the student body in general, lost face and respect. We of the Student Council are sure that the student body is unanimous in the opinion that destructive horseplay on school property should be eliminated. It is also felt that offenders this year should assume the financial responsibilities of any damages and that damages will not be equally divided among the entire student body. With this thought in mind, let's make this M-Day a memorable occasion.

The Student Council

Gordon Parker, chairman of the general dance committee for the junior prom, reports that preparations for the affair are practically completed. It will be held Thursday, June 6 in the Library Museum hall. Dancing will commence at 9:00 P.M. and continue until 1:00 A.M., with music being supplied by Joe Snuckey's band. The theme of the evening will be "Vienna Nights", and we all hope that the committee in charge of the punch will keep this in mind.

The only factor which could prevent this from being the top dance of the year is a poor attendance, so lets see everyone at the JUNIOR PROM.

ANDERSON-CARLISLE SOCIETY

An exceptionally interesting and well presented talk was given to the Society on April 11th by Mr. Wendall of the Anaconda Company, who spoke on "Mine Fires". At the same meeting officers for the forthcoming school year were elected. The new officers are:

- President - Gordon Parker
- Vice-Pres. (Mining Section)-Ross Wayment
- Vice-Pres. (Met. Section)-Charles Burtch
- Vice-Pres. (Pet. Section)-Glen Shurtz
- Secretary - Don Hendricks

The next meeting of the Society will be held on Saturday, May 11th in the Museum Building at 8:00 P.M. The meeting will be held in conjunction with the Montana Section of the American Institute of Mining, Metallurgical Engineers-(A.I.M.E.) and Mr. Grover J. Holt, National President of the A.I.M.E will be the speaker.

It has been said that a road goes in both directions. The same may be said concerning most phases of society and business, extending from common ground between two people to include international relations. It applies with equal force to Montana School of Mines.

Undoubtedly there has been much conjecture since the new President was appointed as to where and in what direction Montana School of Mines will go. The answer is short and definite. Montana School of Mines will go forward--not in just some one direction, but in every direction in which we are capable of progress.

However, progress depends upon these fundamental factors: (1) simple yet efficient organization of all phases of school activity, (2) whole-hearted co-operation throughout the school, (3) close co-ordination of all matters affecting two or more parties, (4) a unified and enthusiastic desire to improve and progress, and (5) loyalty to the school and its purpose. This, then, is my plan for school success and growth in the future.

It is recognized readily that this is not a one-man show. Of course, it must begin with vigorous, fair, honest, and impartial guidance, but it includes every person on the campus, from the highest station to the lowest, and requires the support of everyone. If success is to be ours, there can be only one big team on this campus, and each team member must contribute his fair share toward the common goal, receiving due credit for his effort.

Our motto should be that of the Three Musketeers, "One for all, and all for one". We will take the best of the past and add only the best in the future, to make Montana School of Mines truly the best mineral engineering school in the world.

E. G. Koch

MINES TO BE ADVERTISED

The Copper Guard has decided that a project for the latter weeks of the school year will be to construct signs advertising the School of Mines and place them on the three (3) highways entering Butte. The signs will feature the miner as on the decals and "welcome tourists to Butte, Home of the Montana School of Mines". The signs are to be approximately 6' by 4' and the miner is to be 2' high.

Recorder
Copper Guard

SIGMA RHO ELECTION ITEM

On Wednesday, May 1, 1957, a new student council will be elected to guide the student body through the forthcoming year. It is important that the students take an interest in this election because of the issues involved and the fact that for once there is the distinct possibility of increased responsibility for the student council. It is unfortunate that many candidates who run for office are concerned only with the outcome of the election and give no thought to what they might attempt to do if elected.

Sigma Rho cares. For some time Sigma Rho has been concerned with the ineffectiveness of the student council as a working body for the students. However, with the advent of a new President and consequently a new administrative policy, Sigma Rho believes that the possibility exists for the removal of much of this ineffectiveness, provided the new student council has sufficient desire to make use of the opportunities afforded them. After considerable discussion, Sigma Rho fraternity formulated a platform, which will not accomplish the incredible, but does possess the potentialities of making the student council a more effective organization. Some of our proposals are:

1. To strive for student government in residence hall and thereby improve all phases of residence hall living.
2. To institute a more comprehensive insurance scheme for students.
3. To reorganize inter-- and intra-- school sports.
4. To work with the administration for the establishment of a student union.
5. To regularly inform the students of the actions of the A.S.S.M.

It is obvious that to carry out a constructive program it will be necessary to have five capable men, who have the interest and desire. Below are the candidates who

CARE.
GENE LANIER, GORDON PARKER,
DON HENDRICKS, TOM MARTIN, and
JERRY SVEE.

THE WISE USE OF SPARE TIME ALWAYS PLAYS
AN IMPORTANT ROLE IN THE LIVES OF SUCCESSFUL
PEOPLE.

EDDIE RICKENBACKER'S CREED

Many men have a creed to live by--but all too often it is kept "under a bushel". Noteworthy as an exception is the creed of Eddie Rickenbacker--a man of nationally recognized stature in both business and aviation.

Says this famous man for all to hear--

"I believe in having faith in people, faith in my country, faith in God. Positive thinking is adhering to the fundamental teachings of the Bible.

"I believe in honesty. To me there are no degrees of honesty...honesty can be a hard master, but without moral discipline we become slaves to evil temptation.

"I believe in the freedom to work. At our jobs the positive word is opportunity... Never expect something for nothing, nor more for less.

"I believe in benevolence. If God has given to us abundantly, we have a responsibility to share our abundance with those less fortunate.

"I believe in my country. There is nothing in the world--not even life itself--that I love more than I do this land of ours. And loving my country means loving my countrymen, regardless of race, creed or color.

"This is my creed. Following it is no easy task. It cannot be effective without a day-to-day rededication to the spiritual side of life. Do you have a creed? If not I urge you to adopt one and follow it with humility because at no time has America and the World been more in need of spiritual rearmament."

(From Paul Talbot, "United Business Service")

A CREED FOR EVERYONE

Silence when your words would hurt.
Patience when your neighbor's curt.
Deafness when the scandal flows.
Thoughtfulness for other's woes.
Promptness when stern duty calls.
Courage when misfortune falls.

--from "Enos Magazine"

SIGMA RHO



GENE LANIER
Candidate
for
President



GORDON PARKER
Candidate
for
Vice-President



DON HENDRICKS
Candidate
for
Secretary

Gene was born in Billings, Mont. 21 years ago. He entered MSM in September 1954 and is at present a Junior in Petroleum Engineering. He played football for 3 years and during 1957 was co-captain of the team, twice he received honorable mention, All Conference. Gene has held many offices among which are: Vice-Pres. M-Club, Duke of the Copper Guards, Sec. of Sigma Rho Fraternity, Sec. of the ASSM. He is also a member of the Anderson-Carlisle Society (A.I.M.E.). Gene's record shows him to be a well-liked and competent man, who will, if elected, carry out the duties of ASSM President efficiently and conscientiously.

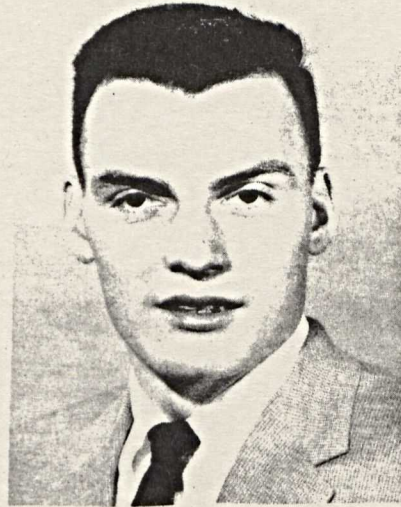
Gordon was born in Cape Town, South Africa in 1935, and attended the University of Cape Town for two years before being awarded a scholarship to study Mining Engineering at MSM. He is presently a Junior in Mining Engineering. During his time at MSM he has taken an active part in many phases of student activities. Twice he has taken part in the school play, last year was active on the debate team and also was manager of the Hockey team. Gordon is the newly elected president of the Anderson-Carlisle Society (last year he was Secretary) which is the Student Chapter of the American Institute of Mining, Metallurgical and Petroleum Engineers (A.I.M.E.). We hope that his interest in school affairs will be put to good use in the ASSM.

Don is 27 years old, and was born in Des Moines, Iowa, where he attended High School, and later Drake University for one year. After his discharge from the Army (Counter-Intelligence-Corps), he elected to finish his education at MSM. A Junior in Mining Engineering, Don is twice-elected Sec-Treas. of the Anderson-Carlisle Society (A.I.M.E.). In the last School play he played the part of a German Gestapo Officer. To all who know him, Don is an exceptionally level headed, sound thinking man (his scholastic record proves this), whose services will be invaluable to the ASSM.

SIGMA RHO



JERRY SVEE
Candidate
for
Delegate



TOM MARTIN
Candidate
for
Delegate

Jerry was born in Laurel, Mont., in 1932, and attended high school in Columbus. After discharge from the Army (he served in Korea) Jerry enrolled at MSM and is now a Sophomore with the intentions of studying Mining Engineering. Jerry has played for the school for 2 years. He is a member of the M-Club, Anderson-Carlisle Society and is Sergeant-at-Arms of Sigma Rho Fraternity. Jerry rounds off Sigma Rho's well balanced team of candidates, who will serve you well, especially if they are allowed to work together as a complete team.

Tom was born in Harrisburg, Penn., 25 years ago, and attended high school in New York. Tom is a Korean Veteran, having served with the U. S. Marine Corps for 3 years. He entered MSM in September, 1954, and is now a Junior in Mining Engineering. Last fall he played football and received honorably mention, All Conference. Tom is a member of the AIME, the M-Club and is vice-Archon of Sigma Rho Fraternity. Although he played the part of the barracks clown in Stalag 17, Tom is a keen thinker who has a sincere desire to do something for the ASSM, and surely will if elected.

THE LEADERS FROM TAU

The Psi chapter of Theta Tau, the only national engineering fraternity on the campus, has nominated a group of men possessing the qualities of leadership and foresight so necessary in student body government at M.S.M. during these troubled times. Believing that the solution to the problems confronting the students today lies in the type of leadership we have at present, Tau has again nominated men with "drive" and comprehensive knowledge of school government.

Don Macknight of Great Falls has been chosen as our nominee for the very important office of Student Body President. Don entered the School of Mines after serving 3½ years with Uncle Sam's Army, both on the continent and overseas. In the service he became familiar with the ways and means of management by performing the duties of battalion sergeant major. Don is majoring in metallurgy, and he is strongly considering adding a Mineral Dressing degree after graduation in June 1958. In addition to being a candidate for the AIME Scholarship, Don has been active in such school affairs as Hockey (2 years), Amplifier, AIME, M-club. Macknight was the junior class choice for vice-president in 1956-57 and he is presently serving his fraternity as Scribe. Of course the strongest supporters of our candidate for president are Don's wife and their 21 month old son, Eddy.

Nominated to run as Mr. Macknight's right hand in the capacity of vice-president is Patrick Butler, a young, very married Petroleum major from Billings. Pat resides in the Residence Hall with his wife and three young potential presidents (or engineers). His activities in the past include the Copper Guards, the M-Club, Secretary of the Junior Class and he is presently the treasurer of Theta Tau.

Tau believes that Duane Diekman is the logical choice for the office of Secretary-Treasurer. Duane entered the Mines in 1951; in Feb. 1953 he felt that it was his patriotic duty to enter the service of his country. Tearing himself away from his studies, he donned the uniform of an artilleryman and headed for the horrors of armed conflict. Diekman served in the European Combat Zone fighting the women of seven nations, and he emerged slightly shaken and very wise.

Re-entering the Mines in 1955, Duane quickly adjusted to the students' miseries. Majoring in Geology, Duane has found time for such varied activities as Track, Football, the M-Club, the Mineral Club, and the Ski Club. For everyone will, of course, remember his sterling performance in Stalag 17 (he never swore once).

Duane is single and hails from Lewistown which is known for its fine geology and young Diekmans. Tau is sure that a vote for Diekman is a vote for modern, progressive student government.

Robert Wylie, Bob as we all know him, is one of Theta Tau's candidate's for delegate. Bob is from White Sulphur Springs, married and very soon a father. His major field is Geological Engineering.

Bob was enrolled at Montana State in 1952-53 but in the following year he transferred to MSM to take advantage of the superior geological training. While at Montana State, Bob was a member of Sigma Alpha Epsilon fraternity and the college wrestling team. Bob interrupted his education in 1954 to serve two years for Uncle Sam's Army in Korea. During his stay at Mines, Bob has consistently made the honor roll and he headed the list last fall. But despite his educational achievements, Bob is no book-worm. He has proved this by being active in many extra-curricular activities. He is a member of the Anderson Carlisle and a pledge of Theta Tau fraternity.

Bob is what you would call the "students man" since he has classes with freshmen to seniors and he understands the problems of all. He is well known for his friendly smile and willing help. If Bob Wylie is elected, your voice will be heard.

The other Theta Tau candidate for delegate is Temple B. Page. Temple is a sophomore and is planning on majoring in mineral dressing. He is married and the father of a boy. After spending four years in the U.S. Air Force, he saw the wonders of Montana and changed his residence from Texas to Montana, but you can still expect a few tall Texas Tales. Temple is a member of the Anderson Carlisle engineering society and a member of Theta Tau. It is the belief of Theta Tau that Temple Page has the interest and qualifications to serve the student body, to the best of their interests, on the student council.

Temple can best be described as the fellow with the ready wit, quick smile, and receding hairline (probably due to a devastating bout with the chemistry department).

Don't smoke in bed for the ashes you drop on the floor may be your own.

(From "Reader's Digest")

DON MACKNIGHT
CANDIDATE FOR PRESIDENT



PATRICK J. BUTLER
CANDIDATE FOR VICE PRES.



DUANE DIEKMAN
CANDIDATE FOR SEC. TREAS.



MAJOR FIELD: Metallurgy
and maybe Mineral Dressing
HOME TOWN: Great Falls,
Mont.

MARRIED STATUS:
Married, has one son
MILITARY SERVICE: U.S. ARMY
3½ Yrs, Staff Sgt., Ord.
Corps.

MAJOR FIELD: Petroleum
Engineering
HOME TOWN: Billings,
Mont,

MARRIED STATUS:
Married - has 3 boys

MAJOR FIELD: Geology
HOME TOWN: Lewistown,
Montana

MARRIED STATUS: Single
MILITARY STATUS: Served in
the European Combat Zone--
Army



ROBERT PAUL WYLIE
CANDIDATE FOR DELEGATE



TEMPLE B. PAGE
CANDIDATE FOR DELEGATE

MAJOR FIELD: Geology
HOME TOWN: Butte, Montana
MARITAL STATUS:
Married - 7 lb boy born April 2, 1957
MILITARY SERVICE: Army - Korea
August 4, 1954 - July 31, 1956

MAJOR FIELD: Mineral Dressing
HOME TOWN: Originally from Texas -
Montana Citizen since discharge
MARITAL STATUS:
Married - has one boy
MILITARY SERVICE:
U. S. AIR FORCE - Germany

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TED BURTCH
Candidate for
Delegate

Ted started at the Mines in 1952. After booming one semester Uncle Sam decided to end the Korean War and sent Ted to keep the 38th parallel intact. After a months vacation from the Army Ted again took up his studies at this institution. He is a 2-year letterman in football, known for his rugged tackling, has participated in intramural basketball for 3-years. One of the better metallurgy students, in the junior class, Ted was chosen by his classmates as metallurgy representative in the AIME. "Flex" is an entergeter representative of the students and will do a good job for the student body.



GEORGE MAXWELL
Candidate for
Secretary

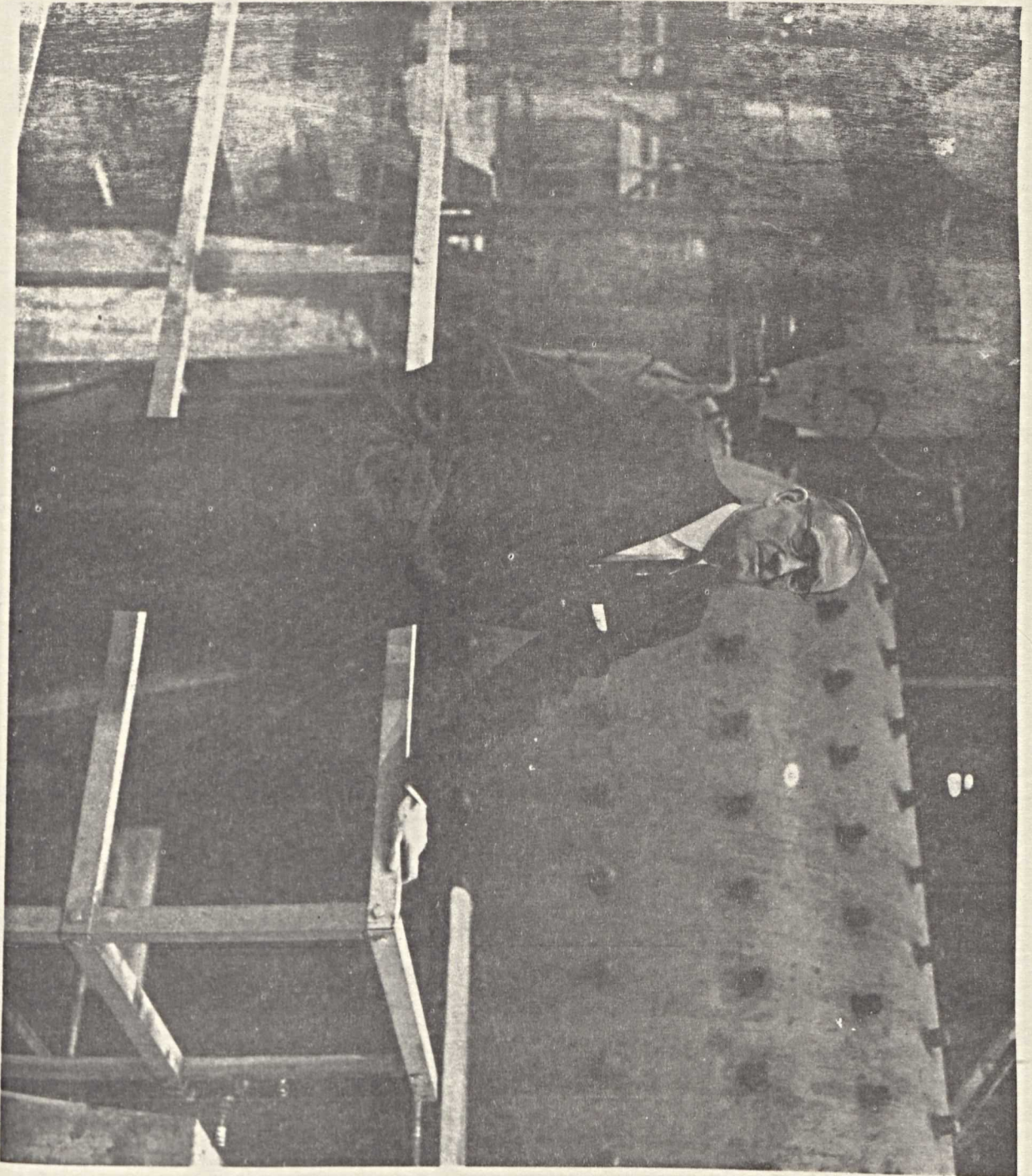
George is a sophomore student from Warm Springs, Mont., majoring in metallurgical Engineering. George attended schools in Anaconda and graduated from Anaconda High in 1950. He then attended Montana State College for one quarter before entering the service. On completing 4 years of service in the Air Force he enrolled in school here. George is an officer



GARY ALEXANDER
Candidate for
Delegate

Gary calls Mount Vernon, Washington, home. He graduated from high school there in 1955 and started at MSM in the fall of that year. In high school he took part in Thespians, Hi Y and Student Council and was a member of the Torch Society. Here at MSM he has been on the honor roll and has lettered in baseball. Right now he is a sophomore but soon hopes to be a junior majoring in metallurgical engineering. Actually he would rather be majoring in ski-bumming but you just can not make a decent living that way.

in the Copper Guard and takes part in most all intramural sports. George is a married student and lives in the housing units below the school



GROVER J. HOLT

AME President 1957

ANDERSON-CARLISLE SOCIETY

MR. GROVER J. HOLT, AIME President 1957. --- A short biography taken from the February Edition of "Mining Engineering"

(Mr. Holt will speak to the Anderson-Carlisle on Saturday, May 11th in the Library-Museum Building. A buffet luncheon will be served after the meeting by the Student Wives. All students are invited.)

Grover J. Holt, member of the Institute since 1941, was born in Northwood, N.D., in 1894. After receiving a B.S. degree in mining engineering in 1916 from the University of Utah and last year was awarded the honorary degree of Doctor of Engineering by the Michigan College of Mining & Technology.

During World War I he served with the AEF as a Lieutenant, U. S. Army Engineers, and following this service spent two years in the Bunker Hill & Sullivan smelter and underground properties at Kellogg, Idaho.

In 1920, Mr. Holt joined U. S. Steel Corp. as a mining engineer and has made the Lake Superior iron range region his home area ever since. Here his activities have covered the full scope of mining and beneficiation in the areas of operation research, and finally overall management.

He became assistant to the vice president of Butler Brothers in 1930 and during the next decade was active in pointing out depletion of reserves of direct shipping iron ore, and in developing methods to process lower grade reserves.

One credo for the engineer says, "First be sure, then go ahead." The ability to determine the crucial point - when you are really sure - is the mark of a doer, not the dreamer. The doer must also have the facts. Mr. Holt has not only pioneered in iron ore research himself - he early recognized its importance to development of the remaining reserves of our basic raw materials for the making of steel.

They tell one story that perhaps best defines the difference between the dedicated researcher after knowledge for its own sake, and the engineer who must balance the search for the truth with the need for action. It seems that Grover Holt and one of his top technical people were riding across the Minnesota farm country when they passed a flock of sheep. Mr. Holt commented that the sheep had recently been closely sheared. The research man agreed - with qualifications - "At least they are on this side."

Mr. Holt joined the Cleveland-Cliffs Iron Co. as Chief Engineer in 1942, becoming Manager, Minnesota Mines, in 1950, and General Manager of Mines for Minnesota and Michigan in 1953. Here his role has been that of a builder. During this period CCI established a beneficiation laboratory, and from work done there and in the Engineering Dept., a succession of plants have sprung up to treat Minnesota and Michigan low grade ores.

In first seeing the problem: diminishing reserves of direct shipping ore, and then taking the steps to meet these problems, Grover Holt has an outstanding record of participation in first steps. During the 1930's he joined the few who spoke out at that time about the ore needs of the future; before World War II he delivered the first paper on the corner stone process of intermediate grade ore beneficiation: heavy media, now used almost universally on the range and elsewhere for coarse ore concentration.

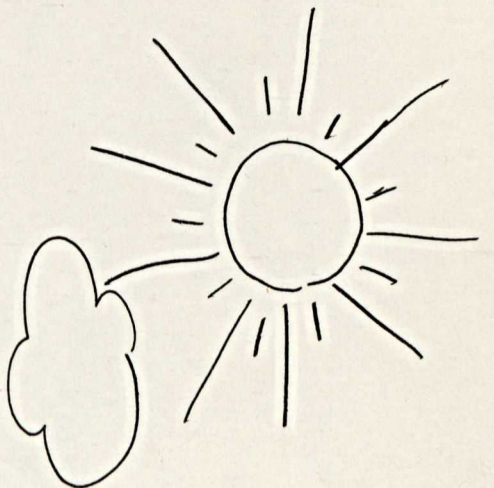
In 1943 CCI was one of the first companies to build a new laboratory to tackle beneficiation problems. Also, more recently the CCI company in Michigan put into operation the first commercial iron ore flotation plant.

Foresight without the ability to plan ahead is of little value. It is perhaps significant CCI's plants of recent years have had ample and detailed testing, development, and planning behind them.

Mr. Holt lives in Ishpeming, Mich., where he occasionally has an opportunity to take advantage of the excellent local hunting and fishing facilities in that area

TO THOSE WHO GOT BACK
FROM
"MAIDEN ROCK CAMP"
ALIVE!

I'll bet next time
you won't forget
the tripod!





" WHICH TWIN HAS THE GUGGENHEIMER?---"

THANKS TO DOLAN

The editor of the Amplifier takes this opportunity to express his thanks to Dolan Advertising Agency for the excellent service rendered the paper during this school year.