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Associated Students of the Montana College of Mineral Science and Technology

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William Chosen Winner
Of Gold Medal Award

Recipients of the 1971 Gold Medal Award is Bruce Westermark Montana Tech graduating senior.

Presented by the Montana Society of Engineers, this award is given annually at the Honors Convocation to the most outstanding engineering student at the college. It is one of the most prized awards Tech students can receive.

The other two candidates were Rick Dale, and Bob Westermark.

Williams, who was born and raised in Butte, will be graduated in petroleum engineering.

His active college years have seen him as a member of the Anderson-Carlisle Society, the Student Union Building Board of Controls, the Montana Student Presidents’ Association and the 1970 Copper Bowl Committee. Williams has been student body president. Their Tau fraternity regent, junior class president, Pi Epsilon Tau.

Commencement Activities
Begin Today

This year, commencement activities begin June 4 at 6:30 p.m. with the Father son banquet sponsored by the Senior Class. The banquet will be held at the Finlen Hotel Silver Bow room.

The Senior Luncheon is June 5th at 1:00 p.m. at the Butte Country Club. Because of space limitations this year, and the large number of graduates, it is requested that all but the students be included only the parents and wives of graduates on the list of no-host guests invited by the graduates.

The senior class pictures will be taken immediately after the luncheon (at approximately 2:30 p.m. June 5) in the Library-Museum Building. Cups and gowns will be necessary for pictures.

Seven to Get Professional Degrees

Seven men from various engineering fields are 1971 professional degree candidates at Montana Tech.


The commencement speaker, Hugh E. Palmer, who is president of Cardinal Petroleum Company, Bingham, will be awarded an honorary doctor of engineering degree.

Hofacker was born in Bisbee, Arizona. In 1939 he was graduated from Montana State University with a B.S. degree in electrical engineering. Since his graduation, Hofacker has been employed by the Montana Power Company where he has served as junior engineer, assistant to the division superintendent, transmission engineer, manager of the purchasing department, assistant chief engineer and, since 1969 chief engineer.

Hofacker’s particular specialties are electric utility engineering, construction and operation. During the past several years Hofacker has increased his knowledge by studying at the University of Idaho Utility Executive School and at Harvard University School of Business.

Hofacker is a member of the Institute of Electrical and Electronic Engineers, the Montana Society of Engineers and the National Society of Professional Engineers. His community services include Kiwanis, Masons, DeMolay, Butte Chamber of Commerce, C of C Education Committee, American Legion and executive board of the Butte Council of Boy Scouts of America.

A Bronze Star was awarded Hofacker during his military service. He has also received the BSA Silver Beaver Award and the Power Company’s Good Citizen of the Year Award.

Rostad and his wife Myrtle have two children.

Rostad was born in Big Timber and was graduated in 1941 from Montana Tech. His B.S. degree was in geological engineering.

In 1943 he began work with The Anaconda Co., as a sampler and later as a geologist. During the years following, Rostad was chief geologist for Jardine Mining Company, Jar- dine Mt., and Den Hollander Mines and Metal Mining Company, Malting Falls, Wash. He also was chief assistant geologist for Montana and Honduras Rosario Mining Company, San Juanico, Honduras, and geologist and exploration geologist for the U.S. S. Smelting, Refining and Mining Company. Since 1956, Rostad has been at his present position.

Rostad has presented numerous technical papers. Among the many he has published is: “Exploration Philosophy Top to Bottom,” Mining Engineering, and “The use of Geochemistry at the Bald Butte Molybdenite deposit, Lewis & Clark Co., Montana,” Colorado School of Mines Quarterly.

Rostad is a member of the American Institute of Mining, Metallurgical and Petroleum Engineers, American Institute of Professional Geologists, Geological Society of America, North West Mining Association, Montana Tech Alumni Association and several others.

Rostad and his wife Marguerite are parents of two children.

Murphy is a Butte native and a graduate of Montana Tech.

He received his B.S. degree in metallurgical engineering in 1940.

His wife the former Rita Kelley, also is from Butte. They have five children.

Murphy has been employed by The Anaconda Company since 1940. He has written an article entitled “Trends in Truck Haulage,” which he presented to the American Mining Congress.

Murphy belongs to the Montana Tech Alumni Association and is a past president. He is also a member of the packing Committee of the Butte Chamber of Commerce, the World Museum of Mining and is a registered professional engineer.

McCanna was born in Roslyn, Wash., but he attended Butte High School and was graduated in 1929 in Butte Tech in 1929 with a B.S. degree in mining engineering.

He has worked with the Anaconda Company since 1927. In the following capacities: mechanic, mining engineer, test engineer, design engineer, chief of mining desig and chief engineer.

McCanna has written papers on “Centralized Pumping in Butte Mines,” “The Greater Butte Project-Surface and Underground Plant,” and “The Northwest Project.”

Among the organizations to which McCanna belongs are: AIME, Montana Society of Engineers and the American Society for Testing Materials. McCanna also is a registered professional engineer.

Bossard was born in Washita, Iowa, and attended grade and high schools in an article. In 1956 he received his B.S. degree in mineral dressing engineering from Montana Tech.

Throughout college, Bossard worked as a lumber mill and miner for The Anaconda Co. Following graduation, he was shift foreman for Cero de Pasco Copper Peru, and was a metallurgical engineer in ores research for Michigan College of Mining and Technology.
Help Tech Help Itself

By Kim Bauden

In the extraordinary session of the Montana legislature to be convened June 7, the fate of Montana Tech will be decided. For just as the appropriation bill goes, so goes Tech.

Before this session is opened, it would be worthwhile to look at what was accomplished in the previous extraordinary session.

The budget Tech is now operating on (for the 1969-1971 biennium) is $2,385,400. The amount proposed for the 1971-73 biennium was $2,976,000. However, the amount in House Bill 613 was only $2,420,000, which is a dollar change of $34,000 or an increase of 1.3 per cent. This increase is all that Tech will have to take care of a projected 40 per cent increase of students next fall.

Student fees, unlike the general fund, took a sharp turn upward. They went from $425,000 in 1969 to the proposed $565,000 (a dollar increase of 33 per cent). This increase, however, depends heavily on the school of students next fall. They went from $425,000 in 1969 to the proposed $565,000 (a dollar change of $140,000 or an increase of 33 per cent).

The budget we are currently operating on which went from $365,055 for 69-71, to the proposed figure in the Governor's budget of $377,003 to the final figure in HB 613 of $565,000 (a dollar change of $537,033 to the amount that will have to find a way to support of the citizens of Butte. A way which has been proposed, but nonetheless defeated, was the sales tax.

Silver Bow Legislators came to our aid in the recent House and Senate sessions. Montana Tech well deserves, and appreciates the wonderful support of the citizens of Butte. Jeanne Horton was behind Tech.

Solution?

by Kim Gardner

It is almost an accepted fact that small schools are friendlier than large schools. The larger places are more tolerant of hostilities.

This particular college, call it the "What College Was Like Ten Years Ago - School," has not yet failed to realize, but daily experiences, contemporary problems. Problems of the real world. 1971. (Is our's the only real world?)

So far, to this date, Montana Tech has solved its own dilemma in a manner uniquely its own. By combining outdated techniques of school administration with a "friendly" campus, a condition of total ignorance toward social pressures and problems isn't far off.

As this is a desirable condition for both sides, quite possibly it may serve as a solution for someone else.

Noonan Attends Speech Meet

Montana Tech was represented at the National Oratory Contest in Omaha, Neb., by Art Noonan. The meet took place May 6 and 7.

Noonan's topic for the meet was "Camelot: Commitment and apathy." His oration will be published in Winning Orations.

Three rounds of competitions with three judges in each round determined the 3 placed competitors in the final round.

Mrs. Alt, faculty advisor to Montana Tech's speech and debate team, accompanied Noonan to the meet.

Il by Diana

Help Tech Help Itself

in HB 613 of $565,000 (a dollar proposed, but nonetheless de-}

Help Tech Help Itself

in HB 613 of $565,000 (a dollar proposed, but nonetheless de-
Vietnam Dienghag Act of 1971
(taken from the Congressional Record)

In the gift-giving month of June why not start off those new Homemakers with a gift which will serve and delight them for many years—COPPER COOKWARE?

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THE ANACONDA COMPANY
Of the eight entries in the M-Day Egg Dropping Contest, all but two survived the drop. First place went to John Evens, second to Leonard Mak, third to Rick Schmidt, fourth to Steve Martin, fifth to Steve Davies, sixth to Pam Gruever, seventh to John Storrud, and eighth to Jim Davies. The first six were those whose capsules survived the drop. Jim Davies, Steve’s brother, is a Butte High School student. Prizes were awarded to all participants.

Never Ending Night

by Diana

The time I spend Thinking of you Cannot even Be measured rightly. For each second Seems a minute, And each minute Seems and hour In that never-ending night.
M-Day Round-up

The annual blast behind Big Butte roused local residents from their sleep at 7 a.m. May 5. The explosion signaled the start of M Day, yearly cleanup and fun day, at Montana Tech. Between 8 a.m. and noon, crews set to work cleaning the campus and repainting the M on the hill, announced M Day chairman, Bob Chebul. Also during these hours elections were held for student body officers. Those elected were: president, Joe Holland, vice-president, Dan McElroy, secretary, Cherri Norine, delegate A, Darrell Metz, delegate B, John McCarthy, Butte; justice A, Ron Schuyler, justice B, Tad Dale.

At noon, lunch was served in the Circle. Following the noon hour, from 1-3 p.m., Kangaroo Court was in session in the gym. Various faculty members and students were summoned for “crimes” committed during the year.

The friendly rivalry between Sigma Rho and Theta Tau fraternities was renewed as they faced each other at 3 o’clock on the baseball diamond for their annual M Day contest. Theta Tau was victorious.

A dance sponsored by the Copper Guard concluded the day’s activities from 9-midnight in the Student Union Building. Providing the music was Montana Tech’s musical group Sunflower.

Morning

By Linda Lee Holmes

It’s a sleepy time
When the climbing sun pers
Spilling its beams across the polished floor.
And a distance chime
Peals the hour, sounding high and low;
And no one disturbs the dust at my door.

A golden peace
Descends over my weary heart,
And life gives me leave to stop and rest.
The soft spring breeze
Rustles by, playing the part
Of a grown wind, trying its best.

There is no rush;
I use each crystal moment to dream,
To explore life’s depths and mysteries, too.
In that longed for hush
My soul as one with dawning’s gleam
Relaxed, serene, my thoughts are of you.

The Old Timer

“Future generations will be born free, equal and in debt.”
McCauley’s Basketball Camp Cancelled

Ed McCauley’s Basketball Camp which was scheduled for August 1-7 at Montana Tech has been cancelled, according to Tech basketball coach Bob Stephens.

Indianans Sign With Tech

Three more Indiana cagers have signed to play basketball for Montana Tech. Jeff Kline of Snyder High School in Fort Wayne, Ind., is described by coach Stephens as an outstanding student as well as an outstanding basketball player. He is 6’1” tall and is the son of Mr. and Mrs. Roy Kline.

Don Chang, also of Snyder High School, was his school’s most valuable basketball player. He is 6’6” tall. Both he and Kline plan to study history at Tech and spend the summer in Montana hunting and fishing. 6’3” Charlie Ross of Eastside High School in Butler, Ind., will also play basketball for Tech basketball coach ‘Bob McCauley. Ross led his conference in average points per game and one year was considered the top scorer in the state.

Steve Salusso and Dr. Paul Sawyer, both of Montana Tech, returned last week from the Top of the World Ski Championships in Inuvik, Canada.

Salusso took fifth place in the junior men’s fifteen kilometer cross country race. Sawyer was the winning team in the Coach’s relay.

The two Tech men were entered in seven races; two five kilometer relays, a six kilometer relay, a coach’s relay, races of ten and fifteen kilometers, and a junior men’s fifteen kilometer race.

Salusso and Sawyer were competing with teams and individuals from Finland, Sweden, Norway, Switzerland, West Germany, Canada, the Yukon, The Northwest Territory, Wyoming. The United States National and biathlon teams were also racing at Inuvik.

Two from Tech Travel to Canada

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Orediggers Finish Eighth

The Montana Tech’ Orediggers finished eighth in the final poll of the National Association of Intercollegiate Athletics (NAIA). The poll takes in 20 teams in division two.

Tech finished seventh in rushing; five hundred and fifty one carries for a total of 2,940 yards. A constant name in the national statistics was Don Hester, a junior Tailback from Thompson Falls. Hester finished third in total yards gained with 1-622. This averages five and a half yards per carry and 162.2 per game. He finished second nationally in individual scoring with one hundred and four points.

Hester was named to the NAIA All-American second team and his teammate Frank Smith, an offensive guard received honorable mention.

Spring Practice Begins for Diggers

Spring football has begun at Montana Tech.

On the first day of practice the team was run in two sessions beginning with the offense. Timings were taken in the forty yard dash.

On defense Riley will handle the safeties and John McMahan will coach the offensive line. Defenders will handle the backs, Saffel the line, and McMahan the linebackers.

Riley is anxious to get a look at some new players. One is Monte Severs, a former All-State running back from Butte High School. Severs also played freshman ball with the University of Montana. Mark Erwin, who will be considering as quarterback, and Lee Grib, who played tackle for Tech a few years ago, are also new arrivals to the Orediggers.

Riley expects the Frontier Conference to be much tougher this year. There have been several coaching changes and most of the schools had young teams and will have many returning players.

Latest Additions to Tech Squad

Ron Boyer and Randy Heuscher are the latest additions to next year’s football team.

Boyer is a five foot eleven inch all-conference guard from Sidney. Boyer is the fourth Sid- ney gridders to join the Orediggers.

Heuscher is from Kalispell where he was an All-State honorable mention as half back. He is six foot, one inch and weighs on hundred and sixty pounds.

Football Scouts See 2 Tech Players

A football scout from the New Orleans Saints was in Butte to talk to Tech’s Don Hester and Mike Thurman.

Ray Newman spent time with the Tech Athletes, both of whom are from Thompson Falls, and viewed their game films and recorded their sizes.

Coach Riley points out that it is customary for pro scouts to look at prospects this time of year. Because of Tech’s better football winter draft, the scouts will not be able to draft players in the spring of their junior year. Evaluation by pro teams is based on size, height and speed.

Questions on the two Tech ball players have also been received from the Dallas Cowboys, the Cincinnati Bengals, the Denver Broncos and a couple of Canadian Ball Clubs.

Track Meet Highlights Season

Tech’s first home track meet History was the highlight of the track season.

Tech won the meet beating Northern Montana College, Carroll College, and Flathead Community College. Winning first places for the Orediggers were Tim Driscoll, pole vault, twelve feet; Dan Plute, javelin, one hundred and ninety two feet; Mike Thurman, discus, one hundred and thirty two feet, two inches; Craig Stephens one hundred and twenty yard low huddle in 15.9 seconds; Mike Goldrick, one hundred yard dash in 10.2 seconds; Randy Vetter, 440 yard dash in 59.1 seconds and John Haskill, mile run in 4:50.1.

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Inequity Cited in Aid
For Students, Colleges

Government funds to aid higher education should be directed to the student rather than to the institution, the National Association of Manufacturers said.

In a statement filed recently with a House subcommittee on Education of the House Committee on Education and Labor, the NAM said that institutional grants of the type proposed in a bill before the subcommittee (H.R. 7248) would not meet the real needs of universities.

"These funds would be at best ameliorative, not curative, and in time would tend to become accepted as a permanent part of an institution's budget," the statement said.

"H.R. 7248 would subsidize institutions irrespective of students' financial needs. Colleges with large endowments and student bodies composed largely of middle- and upper-income backgrounds would receive the same subsidy per student as would a college with no endowment and with a student body made up largely of youths from lower-income families.

"Any attempt to subsidize institutions rather than a variety of inequities between schools and especially between students."

The NAM said that institutional grants of the type and amount proposed might even serve in some instances as an incentive to colleges to enroll more students merely to receive these grants, but the larger number of students could serve to increase financial pressures on the school. "The consequences of such legislation might very well be to worsen present conditions," the NAM said.

The Association said the cause of higher education could be served to better advantage by increasing the amounts and availability of individual grants and loans to students themselves. However, the NAM said subsidized grants and loans to those who are able to pay should be avoided.

"A sound rationale for achieving equality of opportunity would apply equally well to a direct subsidy to students with financial need, or to an improved education capital market which would permit students to borrow against future earnings," the NAM said. To the latter end, it urged establishment of a secondary market for student loan paper.

"No qualified student who seeks a higher education should be prohibited from pursuing college training," the Association concluded, "but public subsidies should be reserved for those with demonstrable needs."

Prof. Degrees
Cond. from page 1

Bossard is a member of AIME and, for that organization, has co-authored a publication dealing with flowsheet development and design of the Mission Unit By-Products Plant.

Bossard and his wife, the former Carolyn Cregg of Anaconda, have five children.

Griffith from Sioux Falls, S. D., received his college education from S. Dakota School of Mines and Technology where in 1947 he was awarded a B. S. degree in metallurgical engineering. In 1959 Griffith received his M. S. degree from Massachusetts Institute of Technology.

His employment includes: research group leader and mill chief, New Jersey Zinc Company, Palmerston, Pa., and Austinville, Va., metallurgist, El Paso Natural Gas Co., Tuba City, Ariz., and head of research department, Phelps Dodge Corporation, Morenci, Ariz.

Griffith belongs to AIME, Sigma Tau, Theta Tau and Sigma Xi. He has written several papers and articles, including a chapter entitled "The Design and Analysis of Flotation Experiments" in Froth Flotation, Fiftieth Anniversary Volume.

LET THE STUDENT DECIDE

A House subcommittee is now considering the future of Federal subsidies for higher education. While enrollments have increased 270 per cent during the past 20 years, expenditures have increased 1,000 per cent. And yet, our institutions of higher learning are in serious financial trouble.

A basic problem is the improper pricing policy which results in average tuition costs considerably below the actual cost of providing instruction. This policy not only creates an excess demand for higher education, but subsidizes those students well able to pay the true cost of schooling as well as those from low-income families. It encourages enrollment of many students who have no strong desire for higher education and, through taxation, forces the young person not able to attend college to support those who do.

Some of the inequities of the present structure could be overcome by direct subsidy to students on the basis of need or by providing increased forms of student loans. This would give students a choice of schools, and institutions would then be forced to compete on a more equitable basis for educational excellence.

Faculty Wives Elect Officers

Officers for the 1971-72 year recently were elected by Montana Tech's Faculty Wives Club.

The new president is Mrs. Larry Twidwell. Vice-president is Mrs. Frank Diebold. Secretary is Mrs. Bob Riley, and treasurer is Mrs. Michael Poole.

When the organization begins meeting in the fall the women will discuss plans for a "make it yourself" fashion show, which will be one of the major projects for the upcoming year.

From L to R: Bonnie Nichols, Ellen Peterson, Judy Robertson, Janelle Taulbee, and Janie Gibson.
Sitting on a airplane recently, flying over some hideously sea-sick looking lake, I stared into the little white bag contemplating the “Call Stewards for Bag Disposal,” wondering whether or not she would come if I called, thinking about women’s lib, and questioning whether it was really worth all the trouble to throw up on the floor.

So instead, I turned over the bag to the reverse side (the side that proclaims “After Use Fold Toward You”) and started to write this column.

Because I wasn’t really sick anyway. I was just sick at the thought of coming back to a dull and dreary college campus after two exciting days of escaping. I was bored with the fact that in a few hours, I’d be transformed into a student once again. I was bored at the thought of my oncoming boredom.

I once said that parents bind all students together. I was wrong. Feelings of boredom bind all students together.

Everything is the same: Classes are alike—a little change in subject matter once a semester or so, but for the most part boring. Professors, whether pontificating about Caruso or Rousseau sound alike: boring. College students, whether in subject matter once a semester or so, but for the most part are alike—little change from the ones before.

I lay awake and think of you. As the dawn replaces night, in the early morning hours I think of you. "Predictable things become boring. When we think we know what’s coming next, we get bored. When we’re not getting any new information, we get bored.”

When students get bored, Flint said, they often indulge in what Flint calls “heavy intellectual daydreaming,” “counting the freckles on your arms, estimating the average measurements of the girls in your class.”

Students who are bored with school, Flint said, should do something else—like drop out for awhile. “People should stop whatever they’re bored with. When you’re bored with yourself, be somebody else.”

Flint added that students come to universities prepared for boredom. Besides the preparation that 12 years of previous schooling gives them, “students are told that most universitites are big gray machines where students—after four years—just spout out with a degree, nobody cares about them, they are told,” he said.

When students get bored, Flint said, they hallucinate. Flint gave an example of what he means: "Then he is completely subliminal . . . ‘Get out of the real world. Wait till you have to support a family and have a nagging wife and have to keep a car and pay insurance and mortgages and feed the children and . . . I yawned and folded the little white bag."

"Psychological boredom,” Flint said, “is not always caused by the same thing. ‘Boredom,’ he said, ‘can be a defensive reaction, often mistaken for mild fear and anxiety.’"

"Predictable things become boring. When we think we know what’s coming next, we get bored. When we’re not getting any new information, we get bored.”

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Theta Tau Conducts Seminar

Psi chapter of Theta Tau national professional engineering fraternity conducted a professional development seminar Wednesday, May 12, at 7:30 p.m. in the Mathur Building.

The seminar was designed to cultivate professional attitudes in the engineering profession. Included were such topics as education, professional registration, ethics and individual responsibility.

Montana Tech faculty who made presentations were Floyd Bossard, associate professor of Mining Engineering; Charles Herron, associate professor of Engineering Science; John McCaslin, professor and head department of Physics; Gustav Stoltz, Jr., Dean of Student Affairs; William Van Matre, professor and head, department of Mining Engineering; and Kochler Stout, chairman, Engineering Division and professor and head, department of Engineering Science.

Industry persons leading discussions were Morris Bowman, environmental engineer, Anaconda Reduction Department; Robert Corbett, administrative assistant to general manager, Montana Operations, Anaconda Company; Edward Bonner, assistant to the general manager, Montana Operations, and Dave Piper, chief mining engineer, Anaconda Company.

Van Matre is advisor to the Phi Chapter, Stoltz is chairman of the Montana Board of Engineering Registration and Piper is President of the Montana Society of Engineers.

Continental Oil Awards Scholarship

Montana Tech's 1971-72 Continental Oil Company Honors Scholarship in petroleum engineering has been awarded to David L. Ellington of Cut Bank.

Ellington, who will enter Tech as a freshman in the fall, was selected to receive the $700 scholarship, according to the W. G. Halbert, head of Tech's petroleum department, because of his excellent academic and extracurricular records at Cut Bank High School. He was selected from among 35 applicants.

The scholarship is renewable annually in increasing amounts up to $1,000 providing the recipient maintains at least a B average.

The scholarship is on the list of the students of American University. It is reported that the Montana entry, after a burning start, proceeded halfway up the ramp, apparently became confused and veered off course into a wall. Chairman of the event which featured entries from Brazil, Australia, Canada, England and the U.S. was Ron Gilbert of American University. The Cornell tornado finished on top in the vast field.

Shoup Comments on Turtle Race

In commenting upon the 7th International Turtle Race at American University in Washington, Western District Congressman Dick Shoup quipped, "We may be slow, but we're sure!"

Montana's entry, submitted by the students of Montana Tech, was an attractive hard-shell named "Foghorn."

Foghorn was runner up, via Air Freight to be acclimated in the Nation's Capitol April 30. Though Foghorn succeeded in capturing the staff of Congressman Shoup, he did not fare too well in the Turtle International, sponsored by the students of American University.

Continental Oil Company has selected a Butte petroleum engineering student from Montana Tech to receive the Section's 1971-72 $500 scholarship. John McCarthy, who will be a junior at Tech in the fall, is the recipient. He was introduced at the Section's recent meeting in Billings by Reg Orr, chairman of the Section's scholarship committee.

Accompanying McCarthy to the meeting were Dr. W. G. Halbert, head Department of Petroleum Engineering at Tech Dr. W. R. McLeod, associate professor of petroleum engineering, and Tech students Gary Aho and Richard Paynter.

Grad Recovering

Mr. Williams, 1968 graduate in Mining Engineering at Tech will be back on the job soon.

Mr. Williams, on Dec. 4, 1979 fell 45 feet onto his back at a mine in Leadville, Colo. He suffered a crushed spinal cord and is now paralyzed from the waist down. He was released from St. Joseph's Hospital Denver on May 1, and is expected to be back on his job within a matter of days. Even though he is using a wheelchair now, he says I'll walk again.
FM Committee’s Activities Reviewed

In 1945 the Federal Communications Commission set up a program to encourage educational radio stations. The program calls for a small listener sponsored station with no commercials and a percentage of broadcast time reserved for education. A group of Tech students, spearheaded by Gordon Crawford, have made a detailed study to see what the possibilities of Tech having one of these stations are. They went to Bozeman and Missoula and studied the student-run stations there. They spoke to local businessmen and town leaders. These are their conclusions.

A FM station could be installed easily at Tech. The initial cost would be from $4.00 to $7.000 depending on the type and quality of the equipment used. Local businesses would contribute material and money to help offset this amount, the rest would come from the student body in favor of a $5.00 fee to support the initial costs.

Passed by Students Shows Films

Butte and consequently must show 73 per cent of the student body in favor of a $5.00 fee to support the initial costs. A new fee increase was approved by the students (with a substantial majority) Wednesday, May 19, to fund the proposed FM radio station on campus.

The 46.8 per cent turnout of the student body to vote demonstrated the all around enthusiasm that has been evidenced since the beginning of this project.

The ballot stated the proposal: "I am in favor of a student fee of $2.50 per semester to construct and operate an FM radio station on campus." Of the 497 voting, 343 voted yes giving the proposal 84.3 per cent of all votes. There were only 64 dissenting votes. In order for this fee increase to pass, it needed a 2-1 majority of all votes cast. It got that and more.

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Petroleum Dept. Shows Films

Two films were shown on Monday, May 10, 1971. The first film was entitled The Monster Buoy. This film presented one of the largest mono-mooring buoys constructed to date. It demonstrated its capabilities for oceanographic work and its ability to operate in the roughest weather.

The second film, Project Molehole, was the drilling of a well through the earth’s crust to its mantle. This film related the story, and gave the background of the project. Drilling operations were presented in some detail, showing the first 1200 foot core obtained from the ocean floor.

Graduate Faculty Re-elected

Three professors recently were re-elected to leadership positions in the Montana Tech Graduate School. Dr. Jack Goebel, head, Department of Mathematics is chairman of the Graduate School; Koehler Stout, head, Department of Engineering Science is vice chairman and Dr. Gaume DeVault, associate professor of physics, is secretary.

One Way to Get Home

Better yet, Rent a One-Way Ryder! Move home in a clean, trouble-free Ryder Truck. A size to fit your move at low cost. Butte Ryder has a large variety to choose from. Reserve now and save. Ryder service. Full details at your Ryder Dealer.
Bureau of Mines Director to Retire

Uuno M. Sahinen, State Geologist and Director of the Montana Bureau of Mines and Geology, is retiring at the end of the current fiscal year after nearly 23 years of service to the State. In his letter to Dr. Koch, president of Montana Tech of which the Bureau is a department, Sahinen gave age and a desire for less strenuous mental effort as reasons for his retirement.

Sahinen was born April 7, 1896, in Mass, Michigan, and moved to Montana in 1915 with his parents, his father, Mathias Sahinen, being an ordained minister assigned to Butte by the Suomi Synod, a Finnish Evangelical Lutheran Synod whose Seminary is in Hancock, Michigan. Uuno Sahinen graduated from Montana School of Mines in 1929 with the degree of B.S. in Geological Engineering. He received his M.S. from the same school in 1935. His first professional employment was as assistant mining engineer and assistant geologist of the North Butte Mining Company. In 1931 he joined the Montana Bureau of Mines and Geology as its only full-time employee, with the title of draftsman and statistician, a position he held until December 17 of that year. He left the Bureau to work at the Fort Peck Dam, and later in Seattle's war industries (Boeing). He enlisted in the U.S. Navy in 1942 and was called to duty on December 17 of that year. He served in the Navy's CIB's until September 30, 1945, when he was honorably discharged and returned to Montana. In December 1945 he again entered Bureau service as a geologist. In 1946 he was appointed Chief of Information Service in 1950, Chief Geologist; in 1962, Associate Director, and in 1960, Director and State Geologist.

The Bureau lists 22 publications under his name. In thinking back over the years, Mr. Sahinen believes that one of the most significant contributions to the mining industry of Montana is the development of the contract system of mined land reclamation, which he introduced to the Montana University System Coal Resources Research Council's Strip Coal Land Reclamation Conference held in Helena August 23, 1960. Mr. Sahinen was director of the council and chairman of the conference. The contract system as modified and approved by the conference and council was legalized by the 1967 Legislature and reaffirmed by the 1971 Legislature in Section 70 (Ch. 224, Laws of 1971).

The Bureau, under Sahinen's direction, has been active in many fields other than coal. It has made notable contributions in ground-water commodities.

In his letter to Dr. Koch, Sahinen gives credit to a loyal and conscientious staff for the successful operation of the Bureau.

Mr. Sahinen has also served on the Governor's Faculty Advisory Committee, under Governor Babcock, and is currently a member of the Governor's Advisory Council on Natural Resources and Development. He is a member of the Association of American State Geologists, Society of Economic Geologists, American Institute of Professional Geologists, American Mining Congress, American Institute of Mining Engineers, Northwest Mining Association, Montana Mining Association, Professional Geologists, and Yellowstone.

Century Club Seeks Members

The Montana Tech Century Club Drive currently is underway with its goal for 1971-72 set at 200 members. President Frank Kondelis says that since the drive opened in April, 50 members have joined or been renewed.

"We urge everyone that can possibly support Century Club to do so," according to Kondelis. "Those who a wish may earmark their funds for any certain area." For instance, Kondelis mentions that the ski team and the speech and debate team are in need of money for the coming year. Anyone who would like to join the Montana Tech Century Club may call Kondelis at 723-6167 or Pat Kennedy, chairman of the drive, at 723-6921.

In the past year, efforts of the Century Club and the Montana Tech Booster Club helped to increase the college's enrollment by 23 per cent, aided in supplying recruiting expenses for the staff and provided for 48 athletic grants-in-aid.

Forgotten Sand

By Dan Rask

What could one small life mean to the cruel world?
A forgotten sand on a beach of life?
Yet without that sand, the lurching tide Would overwhelm and engulf the complete beach, And without that beach there would be no life.
At times it doesn't seem worth the everlasting battle with this Gargantuan tide.
It puts forth a great challenge to a tiny Particle of sand.
Yet if all the minute pebbles understand and Unite this cause I am sure that the vicious arms and engulf the complete beach, And without that beach there would be no life.

Life

by Farris Hogum

Don't ask me.
What happens to the moon.
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What happens to the moon.
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What happens to the moon.
Do not ask me.
What happens to the moon.
All, I sit and wonder

For the Staff and provided for 48 athletic grants-in-aid.

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Young Democrats Active

At the May 6th meeting of the Montana Tech Young Democrats an informal rap session revealed some of the concerns of student activists. The chief concern was how to break Tech students out of their political apathy, and members agreed that the only way to solve the many local problems (which range from inadequate funding for education to the activities of law enforcement officers) was to shake up the present political structure by getting young people elected to important offices in Butte and Silver Bow County.

The idea was expressed that as long as the fundamental Constitution of the State protected vested interests, no reform was possible in Montana. Thus, the Young Democrats should denounce their activities to running a slate of youthful candidates for the upcoming State Constitutional Convention. The only way to intervene is by breaking the control of the old vested interests, if a slate of young people was elected to important offices in Butte and Silver Bow County.

A slate of youthful candidates with new ideas. If a slate of youthful candidates were elected to important offices in Butte and Silver Bow County and would have a chance to force the state's ancient legal system. The idea was expressed that the state income tax should be increased, and that property in the county should be made more available to college and hoped that efforts could be made to have Food Stamps made more available to college students. Because of the general belief that the underprivileged and impoverished people in Butte are ignorant of their constitutionally guaranteed rights, the students desir

On Your Future

by Mary Ann

Although our chances for the history and English degrees are good, all our work and that of the faculty can be lost by an apathetic student body. So I plead—WRITE, TELEGRAM, or VISIT the regents regarding these degrees and if you have anything to say about our future President. We are not demanding, just asking that our needs be fulfilled for whatever our own personal reasons may be.

Following are the names and addresses of those on the Board.

Mr. John D. Frenche, 2130 Main, Ronan, Mt., 59864.
Mr. T. J. Roberty, 541 4th, Havre, Mt., 59501.
Mrs. Marjorie W. King, 541 Fourth, Havre, Mt.
Mr. Fred H. Mielko, Citizens Bank of Montana, Havre, Mt.
Mr. W. B. Jelke, Anaconda.
Mr. W. B. Jelke, Anaconda, Montana, Historical Society, Veter-

SPECTRUM OF LOVE

by Linda Lee Holmes

I manufactured God borrowing your human clay, bestowing on you understand-

Professional

Cont. from page 7

Griffith also is a member of the Boy Scouts of America and Rotary.

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