Tech students in Who's Who

Eleven Tech students have been selected for Who's Who in American Colleges and Universities 1968. These engineering students are the academic and social leaders of Montana Tech and should receive the highest recognition from all.

The Who's Who members are as follows: Terry Angove, Steve Bauer, Gary Carlson, Gary Dunford, Pete Knudsen, Frank Koskimoki, Dick Rule, John Sutey, Billy Williams, and Larry Wudden.

The selections for this honor were made at the end of the students’ junior year by the faculty and then submitted to the Who’s Who acceptance board. The members were selected on the basis of both academic achievement and school activity participation.

Terry Angove will graduate this June with a B.S. in petroleum engineering. He is the treasurer of Theta Tau, the Executive Board, vice-president, and an active member of the Newman and Circle K Clubs. Terry was president of the Copper Guards and has participated in intramural sports throughout his four years at Tech.

Gary Carlson, who has been voted “Most Valuable Basketball Player” for two years, has been the recipient of many scholarships and is currently the secretary of the Student Body. He is a Theta Tau member and a member of the M Club and AIME. Gary will receive his degree in petroleum engineering and plans to work for the Shell Oil Company in Los Angeles.

Dick Rule, an engineering science major, is a member of the Circle K Club, Theta Tau, and Circle K.

Joyce Geary and Sheilla Musgrave, tied for the finals of a four state college speech tournament at the University of Colorado, Febr. 15-16. Joyce placed first in both preliminary rounds and Sheila placed second in preliminary rounds.

Jim Sever, another speaker to represent the college in expository speaking placed second and third in his preliminary rounds. In other preliminary rounds of competition Jim and Joyce each received a third place rating in humorous impromptu speaking and True Truxal took a third place in poetic speaking.

Others who represented the college were Lonnie Molberg and Karen Williams in oral interpretation and Bill Norton also in expository speaking. The states represented were both Dakotas, Wyoming, and Montana.

Terry was president of the Copper Guards, enjoys intramural sports, and is a varsity basketball player. He plays tennis, fishing and skiing.

Pete Knudsen will graduate this spring with a B.S. in geological engineering. During Pete’s junior year, he served as president of both the Mineral Club and Junior Class. He is now the Pop Band’s business manager and editor of the Amplifier.

Gary will graduate with a B.S.in mining engineering. He is the Sigma Sigma chapter and a member of the Mineral and Club and AIME. Gary will have his degree in petroleum engineering and enjoys collecting minerals and gems.

Frank Koskimoki, whose interests include fishing, hunting, and skiing, will graduate with a B.S. in petroleum engineering. He is presently the M Club vice-president and Theta Tau scribe. Frank is active in intramural sports and an officer of the Anderson-Carlisle Society.

John Sutey, a petroleum engineering major, was awarded the “Most Valuable Football Player” his junior year. President of his class, John, is also the secretary of Theta Tau. He served as secretary-treasurer of the Student Council last year and plays varsity basketball.

Larry Woodson received his B.S. degree in petroleum engineering in January 1968. He was an AIME member and his hobbies include football, handball, and sports cars. He was a transfer student from the U. of California at Berkeley and is a member of Theta Tau Fraternity.

In his January appearance at Tech, Dr. Edwin G. Koch, Executive Secretary of the Montana Board of Regents, referred to several questions asked him by students to Tech’s president, Dr. Knudsen. Koch with a new to answering these questions and further informing the student body as to how Tech stands in relation to the other units of the university system, and the scope of the convention held February 15.

The president answered the questions which dealt with Tech’s future progress and expansion, by summarizing Montana’s system for the education of funds, buildings, and degrees among its various university units, and the position relative to that organizational framework.

Dr. Koch is that Tech is to the state what the various fields of mineral industries engineering is. It was, in fact, George Knudsen, who elaborated Tech to admit non-engineering students, who could save money by living at home for a while and later transfer to another unit for a degree.

As far as building programs are concerned, the president empha- sized that there are statewide building programs which apply to the construction of campus buildings. There are justifications for building programs, lack of space and obsolence. At other institutions, where enrollment increases rapidly, there is a pressing need for new classroom space. At Tech, however, enrollment has not increased rapidly, and there are not easy to justify on that basis. Instead, requests for building programs are marked by the state legislature, the college’s needs are not in the eyes of the Regents so pressing as those at other institutions.

However, Tech has been given $268,000 for the remodeling of the gym and heating, garage, and maintenance facilities.

In the question and answer session which followed his talk, Dr. Koch was asked if the administration was doing anything to attract more students to Tech. He replied that although recruiting is prohibited by state rules, Tech has been advertising high school students about the college. Official public relations must be on an informal rather than an advertising basis. Professor Herndon re- ported that Tech is being more cautious with the students rather than the administration to advertise Tech directly to the students.

It was also asked why Tech, unlike nearly all the other tech- nical schools in the country, has not branched out into areas of engineering. Dr. Koch replied that he did not know, that this is a matter of state policy and is out of the control of the school.
Encounter in Hashbury

I'm going to tell you about a cat who really turned in, turned on, and dropped out. His old man said, "This whole country is overrun and it's going to be a real mess."

Now he really had some weird ideas. I mean he wanted everything to be just the way he thought it ought to be. He tried to find his own kick. So, when he was still a teenager, he quit school, started wearing his hair funny, dressing funny, and went, you know...

Anyway, that was his guy's bag — to go around begging for what he could get to eat and promoting love. He must have really had the old flower power because, when he died, somebody dug him up and called it The Little Flower of St. Francis. By Bob Cheng

Open Letter to Regents

SIRS:

I ask that you look further into the case of the Montana Tech students involved in attracting and educating students of engineering and science. Since the project looks lightly upon Montana Tech's need for money, even though it does not show this need in terms of numbers of students.

Attracting new students is not an easy task. Keeping them is harder. Mathematics, Physics, and Chemistry are mentioned to young people, then physics is in small actions and few positive reactions. Math, Physics, and Chemistry are subjects which are the base of all science and engineering. These subjects require discipline more than almost any other subject you can mention. These subjects take more than just interest and attitude, they take discipline. As it is hard to sell young people on hard work, especially four or five of years of it. This is not something learned in hours of time and requires perseverance and patience.

Engineering and science and engineering is more expensive than educating students of other fields because the rapid advances that are being made constantly in the fields of science and engineering. These advances mean that new equipment is needed for teaching aids and research. The current granting engineers' knowledge will not be outdated at graduation.

With these advances in technology comes the task of adding new equipment and mentoring and science curricula to the fields of science and engineering. The revision of curricula takes a large percentage of the time of the science and engineering teachers. This leaves these teachers less time of actual instruction than teachers in relatively stable curricula, such as history.

Colleges and universities must compete with industry for their professors and instructors. Montana Tech is competitive in industry for scientists and engineers than for professors in other professions. Therefore, engineering and science professors are facing a tougher competition.

As a student of Montana Tech with an interest in the future of engineering and educational science, I ask all members of the Board, please don't take our monetary need lightly.

Ernest Bond

Conquered by a foreign army, and subjected to military law. I answer it is too soon for honest men to rebel and revolutionize.

— Harry David Thoreau, Civil Disobedience.


cross Cut

by L. C. Hoffman

Well, 75 years ago we were created. Not from clay but from copper, by the Third Legislative Assembly of Montana. Since then the school has waxed and waned through the years. At least we made it this far.

A friend of mine, who claims to have invented the time machine, has given me an article that he claims he got when he was in the year 1939. I am inclined to doubt myself, because on the backside of the clipping is an item about Mickey Dolen ruling for governor of California. Sounds fishy. Monkey business.

Anyway here’s the contents of the clipping, come to your own conclusions.

BOND'S EYE VIEW

The Freshman party held at the Z — T Saturday night, February 18, was a complete flop. It’s too bad. Sking had been great all day. The evening was beautiful. Not a cloud in the sky. The stars were twinkling down as if smiling on us. And the moon was out in all its brilliance; perfect for walks in the moonlight, or for the less veiled.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

Considering the size and confidence of the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.

The Chalet had been swept, mopped, and straightened up. The Halen family are comprised in full readiness for the Freshman class and their guests, there were two ski instructors, four ski patrons, four of the area managers (to run the lifts), and two ski patrolmen. The area was stocked.
How do I love thee? Let me count the hairs. Bad McEnroy, Pat O'Brien, and Gary Carlson are shown busily preparing for the Engineer's Ball.

Beards to highlight

On March 25 the Senior class is sponsoring an "Engineers' Ball". The festivities include a scrub dance and a beard growing contest. The "Engineers' City Ball" will be held during the 75th anniversary celebration at Montana Tech.

Cash prizes will be awarded to the student who has the best beard, to the student who has the most colorful beard. Judging will be done by a barber from downtown Butte and the prizes will be distributed sometime on March 23 for all to witness. There is no entry fee for the contest, but each student must register with John Suey and be clean-shaven when he enters the contest.

The seniors plan to hold a senior pre-function in order to celebrate the anniversary and "Engineers' Ball". Senior class officers are John Suey, president; Clint Degenhart, vice-president; and Terry Angove, secretary-treasurer. Frank's hope was just recently elected the class mascot.

Everyone is invited to the celebrations so plan on it!

EIT review scheduled

Evening review sessions on engineering fundamentals in preparation for re-registration as Engineer-in-Training, sponsored by the Butte Chapter, Montana Society of Engineers, are scheduled to begin March 15, 1968. The first session, Mathematics, will be held from 7:30 to 9:30 in Main Hall 103 at Montana Tech. The remaining sessions will be in Room 18 of the Physics-Petroleum-Engineering Science Building at Montana Tech.

The sessions and faculty members scheduled are:

Mar. 15 Math Catanaro
Mar. 19 Statics Finch
Mar. 20 Dynamics Finch
Mar. 22 Chemistry Murray
Apr. 3 Physics McCaslin
Apr. 10 Mech. of Materials Herndon
Apr. 12 Thermodynamics Herndon
Apr. 17 Electrical Theory Young
Apr. 19 Economic Analysis Van Motre
Apr. 20 Elementary Education, captains Miss Walsh, Teresa Knox, Brenda Walsh, a freshman in Elementary Education, captains the unit and devises its routines. The unit currently performs variations on the basic routines but has more in the planning stages.

Circle K places fourth

The Montana Tech Circle K Club placed fourth in the minor division in the Service Club Winter Olympics sponsored by the Butte YMCA. The Tech students placed in everything entered except the half-time dance where they surprised the participants with their efforts by final tests. Clubs tallying points are the Flex K, Koppere, the Optimists, Silver Bow Kiwanis, and Lions.

In regular Olympic competition the Tech group placed second in the rifle and archery events. In the competition the club placed second in dinner after dance, fourth in the half-time dance, second in basketball, second in volleyball, and third in the basketball free throw event. The Club took firsts in dart, baseball, and volleyball.

The Club plans to enter the competition again next year which will be held later in the year and will not conflict with final examinations.

Concrete Technology course offered

The Concrete Technology Course sponsored by the Portland Cement Association will again be offered at Montana Tech with the first meeting being held on Monday, March 4.

The first meeting will be in Room 19, Petroleum-Physics building at 6:30 p.m. Each meeting session will last from two-and-one-half to three hours. The course will run for ten meetings and should conclude about mid-May.

Some topics to be covered in the lectures will be the history and manufacturing of Portland Cement, the uses of concrete, ingredients for concrete, special properties of concrete, the selection and design of concrete, the testing of concrete and the placing and finishing of concrete. The lectures will be supplemented by movies and selected slides, specialized literature on concrete testing, handling and estimating, etc. A specially prepared text from the Portland Cement Association will be provided to each participant in the course. A fee of $25.00 will be charged to cover the cost of materials, facilities and staff.

The course will be conducted by Professor Charles L. Hernon, assisted by Mr. Norman Baumburg, district engineer for the Portland Cement Association, and Professor Young and Stout of the Montana Tech Engineering Science Department.

For additional information on the course and an outline of the topics to be covered contact Professor Hernon at Montana Tech (792-8231) or Norm Baumburg at the Butte Chapter of the Portland Cement Association in Helena (442-1543).

Drill team performs at game

The Kopper Kadets, Tech's newly organized drill team, performed for the first time, Jan. 25, during half-time of the Tech-Miles City J.C. game in the Civic Center. The precision marching routine of the twelve pretty Tech coeds accompanied by the Pep Band met with a warm reception by students and fans alike.

Bruce Walsh, a freshman in Elementary Education, captains the unit and devises its routines. The unit currently performs variations on the basic routines but has more in the planning stages.

Jesus isn't dead; He's in Horgan's basement turning water into wine.

Ski Buffs do it!
Tech proposed as coal research site

Montana Tech is under consideration as the possible site for a coal research plant authorized by President Johnson. It is located within the ground water and fields department of the Montana Bureau of Mines. Dr. Groff feels that Tech would be an ideal location for the plant because it has a research-oriented campus, it is serviced by two super highways and four railroads, and it is situated half way between Bozeman and Missoula, which would stabilize researchers to work in close cooperation with the departments of chemistry, physics, and geological chemistry of the University of Montana.

The plant would check the properties of Montana coal for hydrogenation, coal char, and it would also check various commercial applications. The establishment of a research center on campus would be beneficial to Tech and the community because of the expansion of facilities, and the availability of additional jobs for the duration of the pilot plant operations.

Politically the selection of a plant site involves the Office of Coal Research who must secure finances for the project from Congress, who, “by its very nature”, would like to see its money spent in certain states, to the advantages of individual congressmen. How for, the Montana Coal Research Foundation, an organization that has already been established to further economic research, indicates that, when it is able, it will establish a plant somewhere in Montana. As Groff puts it, “The Office of Coal Research must have money and put it Montana.”

No more deferments beyond bachelor’s

Last Friday the Johnson administration issued a new directive to permit draft deferments for graduate study in any fields but those prescribed by law—medicine and ministry. This new rule applies to anyone to any incoming and first-year graduate students. Students already in or beyond their second year of graduate study may keep their deferments.

At the same time, the official list of essential activities and critical occupations used by draft boards as a guideline to determine deferments was suspended from notice on the local draft board. It will decide on its own, in each individual case, whether a student is an essential or critical activity and what does not.

The directive was issued by Lt. Gen Lewis B. Hershey, national director of the Selective Service System, on the advice of the National Security Council. Just a week earlier, a House subcommittee had asked President Johnson to broaden the graduate-student exemptions.

A panel of educators had testified to the House committee that failure to broaden the range of graduate study could wipe out as much as 15 per cent of the expected enrollment of new graduate students and could cripple teacher-training.

A representative of the U.S. Office of Education said more than 120,000 of its respective graduate school students probably would be drafted, and that figure might be low.

Power man speaker at Sigma Xi lecture

Mr. Roger Hofacker of the Montana Power Company addressed the members of Sigma Xi, February 20 on the subject of power distribution of electric power.

The next meeting-lecture, which will be open to the public, is tentatively scheduled for March 28. The speaker will probably be from the state Fish and Game Commission.

Sigma Xi is a society of scientists on the college level for encouraging scientific research. The club is fairly new on campus, having been started in November, 1966. The current project is sponsoring public lectures by outstanding speakers.

 Registration hits 540

As registration closing draws near, we find that the second semester’s enrollment has already surpassed the figures set by students registering for the first semester. 540 students enrolled at Montana Tech for this semester has remained constant at this time last year, and a greater span between the two numbers is hoped before registration closes on Friday, February 15. The 557 students registered to attend Tech.

No more deferments beyond bachelor’s

Registration hits 540

Registration closing draws near, we find that the second semester’s enrollment has already surpassed the figures set by students registering for the first semester. 540 students enrolled at Montana Tech for this semester has remained constant at this time last year, and a greater span between the two numbers is hoped before registration closes on Friday, February 15.

The 557 students enrolled is also only a slight drop from enrollment figures at the start of this school year. At the start of the semester 577 students registered to attend Tech.

You’re Grammar

Recently I received a letter from a worried mother in Boise, Idaho. It went like this:

Dear Dr. Syntax:

I am bothered by split infinitives in spite of three years of freshman composition in college and marriage to an understanding newspaper editor. No one seems to really be able to help, and I am so self-conscious that I have stopped reading the newspaper. Sincerely yours,

FRUSTRATED

This letter reflects again that one cannot expect miracle

cures for some of the little stubborn ills. Three years of fresh

men composition and a happily married have not cured the

malady, and so this lady assumes that the disease is incurable.

Far from it. Sometimes a split infinitive, like a wooden leg, can be a definite asset, if it adds color to what one says or adds to the kind of social event one mentions.

Don’t give up. See your nearest

expert therapist. Your psychiatrist can refer you.

Readers can obtain Dr. Syntax's book Disease of the Civilized and send it to your local newspaper.

HELP! Stump on Segregation Invites a General Student to the Engineers’ Ball

The Yarn Shop

113 West Park
Phone 792-8441

Miners Bank of Montana*

USAF Loans

No Charge on Student Checking Accounts

WISH’D I’D SAID THAT

Well anyway mini-skirt
hems, if any, won’t get wet in snowdrifts—Tommie Bowman, Tri-County (Mo.) News.

An old-timer is a person who can remember sitting through many a dull evening without television.” — Duane C. Griggs, The New London (Iowa) Journal.

Giant “75” proclaims Tech’s birthday to the city

Perhaps, or rather undoubtedly, you have seen the huge, bright 75 on top of the gym, which can be seen from almost any part of the city. The decorations were put up on Saturday, Feb. 17, and were lit at six o’clock that night. But to much of the students’ dismay, the 75 was shorted out at about nine o’clock that night during the game. The 75 was repaired however the following day and will remain lit until the anniversaries celebrations are completed.

The diligent workers on the 75, the South Wingers made the

75 on their own initiative and spent many hours gathering the materials needed and setting it up. Credit can be given to Larry Pope, Dave Kneebone, Bob Miller, Greg Cork, and the co-chairmen Larry Hoffman and Mike McNellis.

The South Wingers want to express their thanks to the many unions who granted their permission for the boys to set the 75 up and to the Anaconda Company and Montana Pole Company for their cooperation in donating the needed materials.

By Dr. Syntax

You’re Grammar

Recently I received a letter from a worried mother in Boise, Idaho. It went like this:

Dear Dr. Syntax:

I am bothered by split infinitives in spite of three years of freshman composition in college and marriage to an understanding newspaper editor. No one seems to really be able to help, and I am so self-conscious that I have stopped reading the newspaper. Sincerely yours,

FRUSTRATED

This letter reflects again that one cannot expect miracle

cures for some of the little stubborn ills. Three years of fresh

men composition and a happily married have not cured the

malady, and so this lady assumes that the disease is incurable.

Far from it. Sometimes a split infinitive, like a wooden leg, can be a definite asset, if it adds color to what one says or adds to the kind of social event one mentions.

Don’t give up. See your nearest

expert therapist. Your psychiatrist can refer you.

Readers can obtain Dr. Syntax’s book Disease of the Civilized and send it to your local newspaper.

HELP! Stump on Segregation Invites a General Student to the Engineers’ Ball

The Yarn Shop

113 West Park
Phone 792-8441

Miners Bank of Montana*

USAF Loans

No Charge on Student Checking Accounts
Nine lead honor roll with A's

Rating at the top academically were nine students who achieved straight A's. They were as follows:


Students who ranked in the context of GPA's ranging from 3.90 to 3.74 follow in this order:


E. K. Sprunger and R. V. Westermark joined those students ranking in G.P.A.'s between 3.58 and 3.57 as follows:


Twelve students earned grade points in the range of 3.47 to 3.40 as follows:


Mr. Brown, Registrar, stated that advanced scholarships at Montana Tech for the year 1969-70 will be awarded to engineering students whose in-


dexes are the highest on the honor rolls for this year.
Intramural Basketball draws to a close

League play ended last week in Tech's Intramural program with standings in the following order:

- Conference A:
  - O'Brien 6
  - Carlson 5

- Conference B:
  - Boedecker Brew 5
  - Rho Boats 1

The Championship of the League play ended last week with some enormous freight bills.

---

COPPER DOLLARS

Copper dollars have been important to Montana ever since we became a state.

They pad a lot of wages. They carry a lion's share of taxes for our schools and governments. They buy a lot of equipment and services, finance construction, pay some enormous freight bills.

In normal times they flow by the millions into our economic lifelines.

Copper dollars work for all of us — when we let them. To keep them supporting us, let's help the industry that supplies them. Let's quit trying to strangle it by strikes and impossible conditions.

It means a lot to all Montanans!

---

Tech finishes hard-fought season

Northern downs Tech

The Montana Tech Orediggers met defeat, in Havre, at the hands of the Northern Montana "Lights". On Saturday, Feb. 3 Tech lost by a score of 59-63.

The second half was a better game as Tech began to play more consistently. The teams leading scorer was Banis who had 15 points. The leading scorer for Tech was McEnaney who registered 12 points.

Mont. Tech (51) Northern (59)
O'Brien 9
Carlson 13
Humphrey 15
Nordquist 12
Leifer 7
Lind 10
Martinez 4
Stundahl 8
Sutey 4
Dobler 2

Saints defeat Tech

The Carroll College Saints defeated the Montana Tech Orediggers, 68-55, Monday night, Feb. 6, by a score of 86-69.

Jim Friske and Arnie Ander- sen from the Saints scored 32 and 21 points for the Carroll victory. Gary Carlson and Pat O'Brien paced Tech with 24 and 15 points respectively.

Carlson had trouble with Tech in the first half but the Saints managed to advantage eventually took over in the second half.

The victory left Carroll with a 4-2 conference record while Montana Tech is yet to win a conference game.

The Orediggers finished conference play with 15 and 13 points respectively.

Dave Rule is a senior in Engineering Science and the reserve center for the Montana Tech Orediggers. Dick has played ball with Tech for three years. He is active in intramurals and was the trainer for this years football team.

Dick is a very busy person when he is not playing basketball. He is a member of Theta Tau, AIME, a member of the Society of Automotive Engineers, a member of the American Society for Testing of Materials. He also active in Circle K, M Club and is a member of Who's Who.

Dick is now in the process of working as a research asistant on the shale research project at Tech. He is also contemplating returning next year to continue his education. Dick will be a credit to Tech no matter where he goes.

---

The TOGGERY

111 N. Main

Compliments of Ed, Phyllis and Jim U & I CLUB
136 West Park

Gory Carlson battles for a rebound.

Wein's Clothing Store

LeVI CASUALS
Arrow and Van Heusen Shirts
35 E. Park Phone 723-3504

---

ANAconda* "A Partner in Montana's Progress"