Butte, Montana

Boyle Receives Rotary Scholarship

by Lynn Estey

Brian J. Boyle, senior at Montana School of Mines, was recently the recipient of a $500 scholarship offered by Butte Rotary Club. Mr. Boyle, who has a 2.5 over-all academic rating, is majoring in mineral dressing and is working part-time at the Leonard Mine.

Basis of Award

In order to qualify for the Rotary Scholarship, the applicant must be a senior or junior at the Montana School of Mines and a resident of Butte. The scholarship award is based primarily on financial need and secondarily on scholastic achievement, in addition to the integrity, honesty, integrity, and general worthwhileness of the applicant.

Presenting the award to Boyle was Mr. E. A. Adamo, who is a member of the Rotary Scholarship Committee and vice-president of the Chamber of Commerce.

On receiving the scholarship, Boyle said, "I wish to thank their generous assistance to college students and express hope that the Rotary award program would continue in the future. The Rotary Scholarship last year was awarded to Ed Erickson, a major in petroleum engineering.

Rhodes Scholar Guest Speaker at AIME Meeting

Lee Stolz, first Rhodes Scholar from Montana School of Mines, was guest speaker at January 15 meeting of the Montana Section of AIME. The meeting was held in joint session with the Women's Auxiliary of the AIME.

Dr. Edwards, president of the Montana School of Mines introduced the senior honor student, Professor Kelly's talk, "The Mining in West Germany," summarized his theme. "This theme emphasizes the twofold concept of providing a battery of modern technological concepts today's engineers with a battery of modern technological concepts.

Rhodes Scholar Lee Stolz visited campus last week. He is the representative of the Montana School of Mines during his time as a Rhodes Scholar. He is a student at the University of Oxford and is majoring in geology.

KELLY TAKES TRIP HEARS OF MANPOWER PROBLEMS

by Patei Noel

Professor Kelly, of the Humanities and Social Studies Department, attended the 16th Annual College Industry Conference on Engineering-Manpower Requirements, February 6 and 7, on the campus of the University of Washington.

This conference was specifically held to view the spectrum of changing technology. It was sponsored by the Relations with Industry Division of the American Society for Engineering Education, in cooperation with The University of Washington, University of Washington, and the Boeing Company.

Disinterested officers of the conference were Stanley M. Litte, Jr., of the Boeing Company, chairman; Don A. Fisher, of the University of Washington, vice-chairman, and William D. McElroy of the University of California, secretary.

The program was held Thursday, February 6, with speeches and a panel discussion on manpower trends. The day ended with a sociable hour and dinner at the Olympic Hotel.

The second day, February 7, consisted of a continuation of the previous day's program and a four-hour tour of the Boeing Plant, which marked the end of the conference.

Commenting on the convention, Professor Kelly noted: "It was generally an interesting and informative series of meetings. In the rapidly changing technological sphere of this world, the full and efficient employment of manpower is a challenging and urgent problem."

Rhodes Scholar Lee Stolz was the recipient of the Rotarian Award of $4000 was recommended by the Board of Directors of the National Society for Professional Engineers, sponsors of this award, to the technical and educational advancement of future scientists.

Theme of Observance

This theme of Observance Engineer's Week is "Creative Engineering." Professor Stolz directed this theme.

This theme emphasizes the twofold concept of providing a battery of modern technological concepts today's engineers with a battery of modern technological concepts and to focus attention on the limitless scope of future opportunities offered in engineering.

Stoltz Local President

Mr. A. E. Adamo, executive assistant of the Montana School of Mines, is president of the Butte Chapter of the Engineering Societies. Mr. Adamo commended the Rotarians for their generous assistance to college students and expressed hope that the Rotary award program would continue in the future.

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Dr. W. R. Opie congratulates Professor McGlashan on his award.

Achievements in Science

Professor D. W. McGlashan, head of the Mines' Metallurgical Engineering Department, has acquired numerous recognitions in his field of science. He received the degree of Bachelor of Science in Metallurgical Engineering in 1934 from the University of Idaho. He then joined the Idaho Academy of Sciences, Idaho and n us ns ns Foundation.

Dr. W. R. Opie congratulates Professor McGlashan on his award.

Students Register for Second Semester by Gary Treglown

The students of Montana School of Mines registered for the second semester on February 2, beginning at 8:00 a.m. However, the familiar scene always has a general face-lift this semester. Replacing the long seasonal line were many short queues, as the students signed for selections from representatives of the individual courses. This new procedure, conducted in Engineers 104 and 101, enabled more smoothness and generally faster. Many students had worked out their programs and partially filled out forms with their advisers during the previous week, a preparation which also speeded registration day.

Enrollment Decreases

The registration figures have shown a decrease in the enrollment from that of last semester. The total enrollment for the spring semester is 413, this figure being 71 short of the enrollment recorded for the spring semester of 1961. This enrollment drop is reflected in the breakdown of totals shows 184 freshmen, 55 sophomores, 46 juniors, and 43 seniors, a total total enrollment for the spring semester.

The figures indicate that 341 men and 72 women are enrolled. A total of 184 freshmen, 47 sophomores, 46 juniors, and 43 seniors, a total of 413 students.

Enrollment in HSS courses has been recorded. Although the college has experienced a decrease in the enrollment figures, such as Canada, India, Pakistan, and Peru serve to make our national organization the Montana Society of Engineers.

Mr. Uuno Sahinen, Associate Director of Mines and Geology, gave a talk on the historic town of Butte before the 30th meeting of the Montana Section of AIME.

Mr. Sahinen summarized his theme, "The Mining Industry of Montana has been an important factor in the economic development of the state."

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INTROSPECTION

Another semester has begun. For some of us, this marks the approach to the end of a way of life; to others it marks the beginning of a way of life, and to still others it represents only an end of a way of a course. For all of us, some people have found, to their dismay, that Montana School of Mines does not present a fifth year of high school, but rather the opening of the college. We hope that the majority has found the challenge to be interesting and exciting.

Apropos the Amplifier, we have had some changes in our staff, but the majority of our content is basically the same. We will continue to do our best to report the news of our college as factually, as fully, and as technically correct as possible. Our editorial policy, that of the editor and other support people, remains the same, and hopefully proper analysis of the various ills of our college. Some have accused us of looking for an argument; we will agree with them, and the feeling that there are enough situations that are worth attacking the status quo—where it needs attack—we are constantly on the lookout for situations that we feel we can improve. There is nothing that we are not watching, and we hope that everyone agrees with our policy—but is not that the very fact that makes life interesting?

OPINIONS

Up until this time we have not digressed into noncollege activities, but recent articles in the Montana Standard and political advertisements in nature, have aroused our interest to sufficient heights, sufficient enough to evoke comment.

Have you heard?

The Centennial spirit has taken hold at M.S.M.: "The Brothers of 1909" is the newest popular band on campus. Have you ever seen so many different people using the bars to accommodate the ladies? Following the dressing of the male populace, the Brothers of 1909 hosted the first ever Miner's homecoming dance. We expect to see more, and with her " predecessors" on this campus, we can only hope that her talents will be straight out behind a fellow to catch him this year. We can run fast to capture her man. Partly slaves by various columns, and shoot up into something—especially if this is a car evacuation.

Amplifier Staff

Editor-in-Chief

Lee Saperstein

Vice Editor

Lynn Estey

Assistant Editor

Joyce L. Panisko

Copy Editor

Mary Ann Young

Legacies

James McDowall

Art Editor

Mike Knoyes

Reporters

Zach Chamberlin, William Chebul, John Evans

The Amplifier

The year of 1909 marks the beginning of the School of Mines. The school's name was changed from the Montana School of Mines to the Montana School of Mines and Metallurgy in 1909. The school's history is rich with traditions and events that helped shape the school's future.

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ANOTHER ILLUSTRATIVE ALUMNUS
Uuno M. Sahinen
By Doreen Shea

"He's a top guy," is the best agreement his former Professor Uuno M. Sahinen, Associate Director of the Montana School of Mines, can offer for his former student, Vocational Geologist, and Mines graduate, Woldemar (Wally) Angaretti. "I remember him as a very pleasant, mild-mannered young man who showed an unusual talent and capacity for his work. In fact, I'm sure he's done extremely well for himself since that time."

Woldemar Angaretti, who is recognized as the third graduating mining engineer to receive such a degree, not only attended Montana School of Mines for three years but also to receive his Master of Science degree in mining and then to decide ultimately to pursue a degree in the mineral industry. He has been a mining engineer for the North Montana Mining Co. since 1929 and was a consultant for the Butte Mining Company from 1929 until 1937.

Angaretti was born on April 7, 1906, in Mass., Michigan. He attended grade schools there, but moved to Butte, arriving here in 1915. In 1922, he began work in the Butte mines at the age of nineteen, continuing to work in them through school vacations and during vacations. He remembers the dry-bustles which were still in use and recalls driving horses and mules down in the St. Lawrence. After a recent visit to the mines, Sahinen observed the mine today are just as dirty as before, although working conditions have greatly improved.

One of MSU's First Professional Geologists
At first, Sahinen set his sights on a career as a civil engineer, but his love of mining and the outdoors led him first to a degree in geology and then to decide ultimately to pursue a career in mining. He was a student in 1928 with a B.S. degree in geology. A score of Science degree is required to receive such a degree from the school, and Sahinen was able to do this because he was the first to receive his Master of Science degree from Montana School of Mines.

His Employment History
Professor Sahinen was employed as Assistant Geologist and Assistant Mining Engineer for the North Butte Mining Company from 1929 until 1937, when he became a professor for the Montana School of Mines and Geology. From 1939 until 1962, when he entered the Navy for three years, he was also employed as a geologist. Upon his discharge from the service, he returned to the Montana School of Mines post and is now a member of the Geology Institute, the Idaho Geology Institute, and the 1962 he attended his present position — that of Associate Dean of Engineering.

Sahinen Praises MSU's Library
"The Library is fortunate in being located near the Butte Mines," he says, "because of the above the advantages in the employment offered by the different departments of the school, and because of the availability of the Montana School of Mining and Geology's library. If I were to name the most important advantage in the school, it would be the library.

Throughout the years, Professor Sahinen has been active in numerous organizations, some of which are AME, the American Institute of Mining, Metallurgical, and Petroleum Engineers, Graduate School Alumni, R. L. Brown Research Association, the Montana School of Mines Alumni, and the American Institute of Professional Engineers for the Advancement of Science. He is also a member of Phi Kappa, the honor society.

Professor Sahinen terms that "I'm interested in doing my job in such a way as is to do the best development and most efficient use of Montana's non-renewable natural resources."

Sahinen married his wife Margaret, a Butte girl, in 1936. They have two sons, and a daughter, a geologist and a graduate of Montana School of Mines.

HONOR ROLL
FIRST SEMESTER—1963-1964

February 1, 1964

Name                Home                    Class  Credits  Points
Burke, Dona L.       Butte, Montana    Fr. Gen.    13       52      4.00
Ellis, Margaret C.    Butte, Montana    Fr. Gen.    15       60      4.00
Koskimaki, David C.   Butte, Montana    Fr. Eng.    18       72      4.00
Mellendorf, Patricia K. Butte, Montana    Fr. Gen.    17       68      3.67
Williams, Maureen S.  Butte, Montana    Fr. Gen.    17       73      3.87
Stevenson, Carol A.   Butte, Montana    Fr. Gen.    18       70      3.89
Koleas, John B.       Butte, Montana    Fr. Eng.    16       63      3.40
Hill, Robert W.       Butte, Montana    Fr. Eng.    12       49      2.86
Simonsen, Edward J.   Butte, Montana    Jr. Gen.    16       57      3.53
Peterson, Ronald M.   Butte, Montana    Jr. Eng.    15       56      3.37
Platt, Diane M.       Butte, Montana    Jr. Eng.    13       46      2.83
Kaye, Mary D.         Butte, Montana    Soph. Gen.  16       66      3.67
Quane, June L.        Butte, Montana    Soph. Eng.  18       70      3.50
Edin, Erla A.         Butte, Montana    Soph. Eng.  17       56      3.28
Burke, Catherine     Butte, Montana    Soph. Eng.  16       68      3.77
Green, Robert D.      Butte, Montana    Soph. Eng.  17       56      3.31
Pleming, Jerald P.    Butte, Montana    Soph. Eng.  16       57      3.23
Floyd, William R.     Butte, Montana    Soph. Eng.  15       56      3.00
Thurston, George A.   Butte, Montana    Jr. Eng.    13       46      2.83
Ryan, Ken.            Butte, Montana    Junior     16       69      3.63
Saperstein, Lee W.    Ennis, Mont.,  Yr.  Senior    24       87      3.63
Arneson, Mary E.      Bozeman, Mont.   Senior    24       84      3.54
Mikkelson, Lawrence M. Butte, Montana    Soph. Eng.  19       72       3.64
Stroh, Ralph G.       Butte, Montana    Soph. Eng.  18       66      3.50
Looom, James R.       Butte, Montana    Soph. Eng.  17       56      3.00
Ford, Mary P.         Butte, Montana    Soph. Eng.  17       57      3.04
Churchill, W.        Butte, Montana    Soph. Eng.  15       56      3.00
Hepp, Michael A.      Seattle, Wash.    Soph. Eng.  15       54      3.54
Kemp, Lyne E.         Butte, Montana    Soph. Eng.  16       57      3.34
Goldberg, William C.  Butte, Montana    Soph. Eng.  15       56      3.33
Rylander, Catherine T. Butte, Montana    Soph. Eng.  14       45      3.45
Seidel, Bobby R.      Butte, Montana    Soph. Eng.  15       56      3.33
Garvan, Donald L.     Butte, Montana    Soph. Eng.  14       45      3.34
Ungreitelli, Mary J.  Butte, Montana    Soph. Eng.  15       56      3.33
Ime, Allee C.         Butte, Montana    Soph. Eng.  13       45      3.46
Dorsey, Shelon A.     Butte, Montana    Soph. Eng.  14       45      3.33
McKelvie, Robert R.   Butte, Montana    Soph. Eng.  14       45      3.33
Engelhardt, F. Conrad. Lancaster, Calif. Senior    20       67      3.37
Lovejoy, Allan J.     Butte, Montana    Soph. Eng.  16       66      3.50
Roetenberg, Nicholas A. Butte, Montana    Soph. Eng.  16       65      3.50
Aronson, Eric J.      Butte, Montana    Soph. Eng.  16       64      3.50
Peters, Gerald A.     Cincinnati, Ohio  Soph. Eng.  17       67      3.32
Craig, Grace F.       Butte, Montana    Soph. Eng.  16       68      3.45
Dwyer, William W.    Butte, Montana    Soph. Eng.  14       45      3.29
Wray, Manoosh.        Butte, Montana    Soph. Eng.  16       69      3.62

Averge of Classes Represented on Honor Roll
Freshman General = .58
Freshmen Engineering = .58
Sophomore General = .58
Sophomore Engineering = .58
Junior General = .58
Junior Engineering = .58
Senior General = .58
Senior Engineering = .58

Advanced scholarships at Montana School of Mines for the year 1963-1964 will be awarded to engineering students whose indexes are the highest on the honor rolls for this year. See page 40 of the catalog.

In order to be eligible for the Honor Roll, a student must carry 12 hours and have an average of at least 3.50.

W. M. Brown, Registrar

The Night
The night is a listening sound,
A murmur of silence. Who is listening?
Who is the sound? Who divides the silent night?
A murmur at the window! The silent after the sound,
the sound the prey. A sound, a soft sound, a slow scream; then there is silence. All through the night you hear, silence.
The more advanced, and a low murmur meets your ears.
The wind in the trees, the scream of a hawk,
the passage of a mouse; the sounds rush in to surround you.
The silence fills the voids.

Sandra Smetsker

** KOPR **

The Varied Sound of Music in Southwestern Montana

5,000 WATTS

Before You Buy "THINK"

** S **

THE STUDENT'S BEST FRIEND

THE MINER'S NATIONAL BANK

Special Student Checking Account

It's The Place To Try

Bute's Friendliest Shoe Store

45-45 EAST PARK PLAZA
Club Bits
by Margaret Gardner
The Weston Foundation
The Weston Foundation has combined with another group, and is organizing a group. A special meeting was held on February 8th, to plan a supper and a business meeting. The meeting was held in the afternoon at the Butte Country Club. The group consists primarily of Methodists, but there were representatives of other faiths.

Newman Club
The Missoula Newman Club was host to all Newman Club officers of this area at an executives' convention held on February 1 and 2. The officers who represented the矿山 were Marie Gardner and Frank McGarry. The purpose of the convention was to offer basic instruction in duties, and to clarify specific responsibilities. The vice-president of the National Newman Club gave a break period, at which the officers were to be supervised by the meeting chairman and the meetings was and was the main speaker at the meeting. The day was a most interesting, in that the end, Bishop Hamburger was a presented by the Newman Club.

Newman Club Bits
The annual meeting of the Montana Newman Club was held on February 10th. Joe Sheehan, Mike Kujawa, Doris Young, Margie Gardner, and Doc Harrison, were the honored guests. Joe Sheehan, Mike Kujawa, Doris Young, Margie Gardner, and Doc Harrison, were the honored guests.

Alumni News
The Montana School of Mines Alumni are sponsoring a series of talks on mining geology, engineering and building, and gas-producing industry in Montana. The first of these talks will be held on February 24th.

The annual meeting of the American Institute of Mining, Metallurgical, and Petroleum Engineers will be held on this year New York. There will be two sessions held on February 20th. Dr. Edwin G. Koch, a member of the Montana staff, will attend Council meetings in connection with the AIME. The meeting will be held on February 6th, 7th, and 8th.

The president also attended a meeting of the Montana branch of the Minneapolis Reserve Bank in Bozeman on February 7. There was a special meeting held in connection with the Agricultural Merit Conference held at Montana School of Mines on February 6th, 7th, and 8th.

SMON THE MOVE
The President's Activity
Dr. Edwin G. Koch has been appointed by Governor Ford to serve on a special committee of the Montana legislature to study the mining and gas-producing industry in Montana. The first of these meetings will be held in Helena on February 24.

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MINERS BECOME FLYERS

Margie Garden

A new club appeared on campus when a group of students at the M.S.M. Flying Club, the first club of its kind at the school, was organized. The club is fortunate to have an experienced pilot, Dr. Sidney L. Groff, as its faculty adviser.

The club is by no means a formal gathering of those interested in flying; it has a more definite purpose behind it. One of these purposes is to teach those interested the fundamentals about flying. A supervised ground school is being formed for this purpose which will give instruction on various phases of flying; included in this class will be basic of navigation, radio procedures, civil air regulation, aerodynamics, and meteorology.

Another purpose of this club is to obtain reduced flying rates (for those who already fly), through which members can purchase their resources and receive air instructions at rates which most of the individual club will be able to take advantage of. In the past it has been difficult to obtain an individual flying instruction, but the break-through in mass production of planes has made it possible for a small group to obtain this advantage.

The club, which has its expected success, is planning to invite interested people, all faculty members and students, to a small group to obtain for becoming a member.

M.S.M. Flying Club, the first club of its kind at the school, is being formed.

FLYING FUNDAMENTALS

A super-flying class will be included in this class which will have a more definite purpose for this purpose which will give instruction on various phases of flying; included in this class will be basic of navigation, radio procedures, civil air regulation, aerodynamics, and meteorology.

Another purpose of this club is to obtain reduced flying rates (for those who already fly), through which members can purchase their resources and receive air instructions at rates which most of the individual club will be able to take advantage of. In the past it has been difficult to obtain an individual flying instruction, but the break-through in mass production of planes has made it possible for a small group to obtain this advantage.

The club, which has its expected success, is planning to invite interested people, all faculty members and students, to a small group to obtain for becoming a member.

Geology Dept. Offers Extension Course

During the spring semester, an evening extension course, "Natural History of Minerals," taught by Dr. John Guilbert, research geologist, under the auspices of the Geology Dept., is being offered.

This four-hour class meets for 15 one-hour sessions and may be taken for two-semester hours credit acceptable at Dillon or elsewhere, as desired.

LITTLE MAN ON CAMPUS

Friday, February 21, 1964

THE MONTANA SCHOOL OF MINES

Amplifier

An ad published deadpan in Montana

I wonder if this is the answer?

Oh, never mind.

Richard's and Rachelle's
Spar's Men's Store

DRESS RIGHT

You CAN'T go to 17 N. Main

Butte

Chuck Richards

Rachelle's

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In Intramural Sports

Handball

The handball-singles tournament came to an end recently, with Jim Kravik of Montana College coaches.

Hopes of a Mines' rally early in the game were dashed by the lights. The lights hit a streak and held on, winning the game in the first half.

Montana School of Mines Amplifier Friday, February 21, 1964

John Badovinac

A Partner in Montana's Progress

Rodegrids Drop Two More Bears Claw Mines 90-59

A notable upset occurred in the mining January 5, when Coach Ed Light's Northern Lights knew the score as they poured on the punishment.

The Northern Lights were led by John Badovinac, who added 14 and 12, respectively. The Mines team was missing its star center Frank Sopko, totaling 16 points.

Hope of a Mines' rally early in the half was dashed by the Lights. The lights hit a streak and held on, winning the game in the opening half.

The Mines' Kravik was high man for the game with 21 points. Teammates Frank Sopko and John Baclovsek added 14 and 12, respectively. The Mines had an astonishing 47 of 49 from the charity line in losing their fifth conference game.

Western Nips Rodegrids 85-64

Western's Bulldogs were given a scare from the Rodegrids hooper. The Bulldogs plan for full-bodied claims the pace of the much taller Bulldogs and 10 out of 11 field thrusts kept the Bulldogs in the game for a 25-20 deadlock at halftime.

Western's tall front line combined to put them in a 34-33 lead early in the second half, and the Bulldogs kept pouring it in until they turned a 25-point lead. A short rally by the Rodegrids narrowed the lead to 13, but the visitors sparked after the half and jumped into a 25-point lead to win an 85-64 victory.

Rodegrids are led by John Badovinac, who has been a father figure to the team.

Hopes of a Mines' rally early in the game were dashed by the lights. The lights hit a streak and held on, winning the game in the opening half.

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