Homecoming Dance

The actual start of the Homecoming dance was on Friday night. After the hodiny, most of the student body assembled in the S.U.B. to commence decorating it. The setting was indeed a very colorful one, orange and green streamers hung alternately throughout the dance floor, meeting in the center of a large orange ball. Hanging neon lights embellished the spirit of "22." Refreshments were stationed throughout the evening. Among the most helpful were Paul and Shirley Miller, Doreen Shea and Kathy Burke.

Kitty "Queens"

Senator Mansfield assisted Dean McNaili with Queen Kitty during halftime.

Saturday night was, of course, one of the key events of Homecoming. Starting with the presentation of the trophy for the highest float, everything went very smoothly. Bill Doran, president of the freshman class, accepted the trophy, which was presented by John Eyer, president of the student council.

Marty Meade's band entertained with a wide variety of swing music. At the end of the intermission the

Continued on Page 4

SCHOLARSHIP WINNERS

GALE, LABRANCHE

Dorothy Labranche and Charles Gale are the recipients of the $350 Scholarship awarded annually by the Anaconda Company for undergraduate students in the fields of mineral dressing, mining, metallurgical and geological engineering. Miss Labranche is a sophomore majoring in metallurgical engineering, and Mr. Gale is a junior majoring in mining engineering at the Montana School of Mines.

This scholarship, sponsored by the Anaconda Company, was established in September of 1960. The basic qualifications of the scholars are as follows. Candidates must be children of employees of the Anaconda Company or its subsidiaries who are residents of Montana. They must maintain satisfactory grade standings. Candidates must be appointed by the vice-president of Western Operations of the Anaconda Company. Each scholarship is in the amount of $350 and provides all tuition, books, and room and board for three semesters, after the above provisions are to be used by the School of Mines for maintenance of the scholarship.

Miss Labranche went into the field of metallurgical engineering because she believes it offers the most opportunities for a girl graduate. At the time, Doris has no definite plans for the future except to graduate in metallurgical engineering. Mr. Gale, a senior, also hopes to graduate the spring of this year. The School of Mines in the field of metallurgy. At present, he has no future plans but wants to put his engineering ability to work. The scholarship winners of 1961 and 1962 were Robert C. Johnson and George L. Vivas, both in metallurgy. At present Johnson is doing postgraduate work at Penn State; Vivas is a nuclear engineer with the Atomic Energy Commission in Idaho Falls.

(Continued on Page 4)

Homecoming Parade Precedes Victory

Gold and Wyoming Streets in Butte became the scene of frantic last-minute preparations for the Montana School of Mines Homecoming Parade, Saturday, October 26. This was where floats and decorations were staged. The direction of parade marshal Dan Stone were lined up shortly before 10 a.m. that morning.

When at last the loose crepe paper was adjusted, and everything was in place, the parade and were up Wyoming Street, turned left at Broadway, down Montana, and over Park. Six floats were included in the marching fresh-boat with its Little Northern girls, and under the leadership of "Al Capone Gang"; the third-place "Interrogation"; the four Kings of king-sized football; and floats ente- red by the Sorensen of the second more class, and the dorm Queen Kittie Keane, the third-place Sigma Rho, and cheer the Miners on to victory.

PUBLIC RELATIONS DIRECTOR SELECTED

In an effort to record and de- velop the stature of the Montana School of Mines, the College Alumni Association has procured the services of Mr. G. E. Porter, now is the Public Relations Direc- tor. She will be interested in dis- playing pictures and articles in home town and local papers, and will interest those students of the mining school who will be of public use.

In a search for individual and student organization information, Mrs. Gabbert will visit faculty and suitability candidates to students organization information, will the personnel of such groups. The information will then be developed into "M.S.M. University."

RENO SALES SPEAKS

Reno Sales, dean of mining geolo- gists the world over, described the mine models in l titanias over 50 years ago. These models of veins on the Butte hill were built under the honored halls of St. Olaf's College in Northfield, Minnesota, majoring in French and	...

WORLD MINING MUSEUM

BUTTE CENTENNIAL

In 1864, two prospectors found gold in the vicinity of Butte, Montana. Now, 100 years later, the Butte Exchange Club is making plans to establish a World Museum of Mining at the same location. What better site for such an under- taking could be chosen? Butte has witnessed all forms of mining, from humble beginnings as a gold camp in 1864. In 1874 came the silver bonanza; then in 1883, the emergence of the copper era.

In Butte all the most advanced technological forms of mining are being employed: open-pit, block-caving, and deep-cut mining. The Anaconda Company now has in- stalled a copper concentrator at Butte to remove the waste before the ore is shipped to Anaconda.

College As Monument

The Montana School of Mines will also be instrumental in es- tablishing the museum. From the renowned institution have come some of the most outstanding figures in mining history. A Hall of Fame to honor the great mining men is also included in the mu- seum plans. The mineral display of the school will be included in the museum. The school, in general, will stand as a monument to the advancement in mining technology.

Articles of Incorporation for the museum have been filed with the secretary of state in Helena. The museum is charged as a non- profit educational corporation, guar- anteed effective and board membership and results. During its initial stages the museum will be operated by paid, qualified personnel from the state museum in Hel-ena and from the Coed Club at the Montana School of Mines.

Museum Displays

On display will be all phases of mining and the implements used from the earliest times until the present. Too, there will be an out- door exposition for the largest items.

A blue-eyed brunette is the description of Kitte Kranz, a sopho- more, general student. In the junior class is the first-place Sigma Rho, Mary Clare Sullivan, and Beth Jones.

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FRESHERN ADVISERS

As the year progresses, we become more and more aware of a certain deficiency in our registrational procedures. This lack seems to be in the amount and type of preregistration counseling available to our students. We feel that a student who wishes to follow a curriculum leading to a degree in his program is usually well planned; nor are we speaking of the student who has a definite idea of his future but who has already decided upon a course of study. Rather, we are speaking of the student who arrives at MSM with a vague conception of the necessity of college education, but who has no definite idea of what he can derive from college. We feel that there are too many students taking courses because there is a vacant seat for them; not because there is an educational need for the course matter.

We do not believe that the best solution would be to have all students enroll low in their first semester and take a course in engineering. This would be sheer foolishness, in addition to being an obvious waste of talent. Rather, we feel that there should be a counselor on campus capable of devising a quizzary on all aspects of the arts, sciences, and professions. How can we expect the regular advisers, all of whom have a full or over- filled load, to devise the time necessary to explain to their students the profession which might be the best choice for them? We feel that the adviser who is too busy to do his job is doing an injustice to his students. We feel that the adviser who is too busy to do his job is doing an injustice to his students.

We suggest an additional member of the Humanities Department, one who is trained and who is given enough time to counsel. We feel that such a person would show a material return on the necessary time because it is necessary to guide students on a path which will lead to the major field of their lives.

HOMECOMING

Congratulations are appropriate, first, to the football team for its well-deserved win; second, to the M-Cub for the obviously well-planned homecoming activities. This past weekend witnessed the first ever Homcoming at MSM; last, to the vivacious Miss Kane for her reign; to the Football team for its well-deserved win. We are sure that all the activities were enjoyed by the majority of students. We feel that any problems of the homecoming, the most eventful Homecoming of 1963, which proved to be an enthusiastic success. We feel that this is an event which should right- fully be the subject of a different editorial.

However, we are drifting into something which should right- fully be the subject of a different editorial; it is the question, most necessary for counseling? It is foolish to expect that the profession who are best qualified to counsel the arts students will be able to counsel the sciences because they are the men with the heaviest teaching load. In addition, who is there on campus capable of advising women students on the myriad of useful fields to open to them? We feel that the majority of women students are sorely born, on the Mines campus, if she seeks advice on the biological, medical, or other sciences.

We suggest the addition of an adviser to the campus, one who is trained and who is given enough time to provide guidance on a path which will lead to the major field of their lives.

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We suggest the addition of an adviser to the campus, one who is trained and who is given enough time to provide guidance on a path which will lead to the major field of their lives.
LITTLE MAN ON CAMPUS

Upon entering the sub, an alert student will notice to his left a door which is marked in big, black letters—"OFFICE." The office is the gate-guard home of our student manager, Jack Weaver. Most of us are acquainted with Jack; a few details are needed to better inform you about him and his job as student manager.

A junior majoring in engineering, Jack is from Trident, Montana, and has been at Michael from three years. They are the proud parents of a two-year-old son. Although family comes first, Jack finds time to take part in the activities on campus. Aside from his duties as student manager, he has played varsity basketball for two years; he is also a member of the M-Club and Theta Tau fraternity. He participates in most of the intramural sports offered at the Mines, also enjoying hunting and fishing. This is quite a list of activities for someone as busy as Jack.

General care of the recreation room, hidden in the sub is part of the job of the student manager. Jack is in charge of issuing equipment to the pool rooms and party rooms. He also keeps track of the checkers and chess games to interested students. Though he polices the lounges and the recreation rooms, this duty is the obligation of every student. Consequently, the work of the student manager and of the entire sub staff would not be possible if students would dispose of their coffee cups and coke cups, paper plates, and cads in the trash cans provided for this purpose.

Both the student body and the faculty appreciate the efficient management of the sub, now that we have such a smart and reliable Jack and the responsible job of student manager.

Freshman

Geology Trials

The physical-geology class of the full term at the Mines. The Museum—American and Soviet—will be open daily with 170 students, all taught by Prof. J. R. McLeod. The students will be able to see some interesting rock specimens, in, however, the attention of the students, another interesting exhibits, through talking over the public address system. The campus is a very interesting, to do so three days a week is very interesting.

Another problem involved is running the Glee Club. The Arcata Glee Club has been back the last room and going to the front to explain the history of the club. After about six pictures and six dances, the Arcata Glee Club is carrying on the class. It may be carried on for two years.

It seems, however, that the table is being set for a trial run of this program. The students will be encouraged to have a test sheet prepared of Dr. McLeod's entire campus was recently alerted to the fact that there was a geology room with hidden in every nook and corner of the sub, prepared for the "big test." The test sheet is:

1. The Challenge
Standing here below the cliff, Looking towards the sky, They said I couldn't do it. I'll do it or I'll die — Sandra Smelthert

P & R DRUG

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For the Latest in Man's Apparel

518 ARIZONIAN AVE.

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518 ARIZONIAN AVE.

SPEAKERS' BUREAU

Miners Offers Services

As a public service, MONTANA SCHOOLS OF MINES is offering its fidelity and student speakers on a variety of subjects. The following faculty members are available, and others are likely for special occasions including elementary and high-school programs, workshops, and seminars. Many foreign students have also indicated willingness to talk on their customs, traditions, education, polishing English, and related subjects. Those who attended this first series of field trips were W. Lenton, J. Conway, N. Sullivan, R. W. Mannon, asst. prof. of geology, and G. Villena, prof. of education.

This trip was primarily of interest to civil, mechanical, electrical, and metallurgical engineers. The honors committee organized a first usable test reactor, the Advanced Test Reactor in the final stages of construction, the Materials Testing Reactor, the Engineering Research Reactor, the Materials Testing Reactor design, fuel materials, electrical engineering and instrumentation and its test-irradiation program. To some extent, the group also saw the Experimental Breeder Reactor No. 1, the Commonwealth's first completed fast-breeder reactor, prototypes for central-power applications and remote-controlled, closed-cycle, fast-reprocessing and refueling facility. The National Reactor Testing Station, located 74 miles southeast of Arco, Idaho, is a station where the recently completed nuclear power reaction system can, with maximum safety, be used in planned quantities of nuclear reactors, allied plants, the feasibility of nuclear propulsion, and many other "firsts" are accredited to this installation.

GEE CLUB PLANS

Glee Club, one of the extracurricular activities of M.S.M., provides an important element for many students. The director of the club, Ralph C. Sylvestre, is busy directing the group's work, and head faculty adviser for the club.

Mr. C. McCarthy, Division Engineer for Pan American Petroleum Corporation, will be on this campus on Tuesday, November 19, 1963, to discuss career opportunities with senior and graduate students majoring in engineering fields.

Pan American is one of the world's leading oil and gas producing companies. It offers challenging careers in fields of engineering, research, and management. The company also offers competitive salaries, comprehensive benefits, and world-wide travel opportunities.

Appointments for interviews with Mr. McCarthy may be made through the office of Mr. D. C. McAliff, Dean of College Administration. The office will provide descriptive literature and interview records are available.

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Magma Chooses Theme

Organizes Staff

The staff of the 1964 Magma, advised by Mr. Fyents, Young, was chosen as a theme for this year's Magma. The theme, "The Changing of the Robe Revisited," was selected with particular reference to the state's mineral industries.

The Magma staff is led by Mr. Fyents. Mr. Young serves as the editor and chief of the Magma staff is Ed Shumaker. The planning committee for the event is as follows: Wally Busenius, planning committee, President John G. McCaslin, Wally Busenius, Secretary, and Bill Sullivan, Assistant Secretary. The planning committee is coordinated by Secretary John Young, photography; and Arthur W. Sullivan, publicity.

The 1964 Magma will appear next fall. All students are urged to give serious attention to planning a yearbook of which the Magma participants are proud.

Processors Meet

The Montana Data Processing Association held its fall meeting in conjunction with Montana School of Mines, on Saturday, October 5. All persons interested in computer planning and programming were welcomed. Mr. Adam Smith, professor of mathematics at Montana State College, is the president of the organization.

An informal meeting over coffee was held at 10 a.m. The business meeting was scheduled at 11 o'clock on the topic, "The Future of the Digital Computer Engineering." The meeting was attended by 10 members representing the Computer Science Department at the Future of the Digital Computer Engineering.

The School of Mines was first represented by a basketball team a year ago.

MINERAL DRESSERS TREK

Tuesday, October 15, at 1:00 p.m., Professors Fyents and Shumaker of the Mineral-Dressing department; Mr. Evans, mineral-dressing instructor, and several students headed toward the college's mining equipment to inspect the Taylor-Knapf Mining Company plant in Butte.

This plant, located about forty miles northwest of Butte, is a high-grade, domestic product, and utilizes the battery-grade manganese. Its product is considered, by some, to be far superior to foreign grades.

The Taylor-Knapf Mining Company plant is separated into two stages. In the first stage, the ore is crushed and subjected to magnetic separation. The second stage is comprised of a magnetic-separation circuit, in which the concentrate, from the first stage, is further upgraded to give a product of approximately 70% manganese, with minor specifications of the dry-cell-battery industry.

Saperstein Goes to Germany

By Doreen Shes

The idea was born in the dorm one day last year when Lee Saperstein and some of the fellows were talking about how they'd like to travel abroad. The discussion was soon forgotten—by all but Lee, who, the more he thought about it, became determined to translate the idea into reality. His first step was to contact business relations in Germany, to see what chances were for his being able to spend the summer there working in the mines. Then, when he was assured of a spot, he made the trip official by contacting IAESTE (the AIME International Association for the Exchange of Students for Technical Experience). So, on June 15, Lee soloed aboard a plane bound for Hamburg.

While in Germany, Lee resided as a boarder in a family at Leer, a town near Hamburg. He worked at a potash saltpit; and during his free time, he visited many towns and cities, some of which he revisited twice.

Frankfort, Copenhagen, Hohenberg, Karlsruhe, Koln (Colombia), Munich, Heidelberg, Zurich, and Ulm. On his last flight, he captured scenes taken on his sightseeing trips that he describes as "experiences that German people are made of." But, alas, the summer was over, and Lee was flying back to the United States and ultimately back to the Montana State College, where he is now a senior in mining and is studying mathematics at Montana State College, is the president of the Magma.

SCHOLARSHIP WINNERS

DOLORES A. LABRANCHE

WOMAN'S CLUB GRANTS SCHOLARSHIP

Robert Toivonen received a grant from the Butte-Women's Club to aid him in his studies at the Montana School of Mines. Mr. Toivonen is a junior this year and plans to graduate in the field of Metallurgical Engineering.

The School of Mines was first represented by a basketball team a year ago.

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COME IN—let us demonstrate the many other features that distinguish Magnavox Stereo High Fidelity as the only most prominent feature. Let us demonstrate the many other features that distinguish Magnavox Stereo High Fidelity as the only most prominent feature.

MISS KEANE CROWNED

Crowd was requested to stand clear while the queen made her entrance. While the Grand March was being played, the queen (Miss Keane) was escorted by "Fuzzy" Olson. The princesses—Jane Gibson, Beth Jones, Mary Clare Sulieron, and Mary Pat Tiddy—were escorted by Dale Fellows, Mike Kejrows, George Seaver and "Moose" Thomas.

Carol Dusast, 1964 Homecoming Queen of M.S.M., conducted the "Changing of the Robe" ceremony; then Miss Keane took command of the evening.

The "Changing of the Robe" ceremony was followed by a brief speech by Mr. Evans and the presentation of the plaque to Coach Middendorf by the M-Club. Mr. Mc-

iorchuck expressed his appreciation, and the dance once again resumed. All in all, a gala event was the Homecoming ball.

... training ground for some of the mining world’s most prominent figures. Here on the hill, and scattered throughout adjacent gentian and alders, are still to be found remnants of Butte’s early mining history. The Montana Mining Museum will serve as the nucleus of industry, and its purpose is to continue the history, significance, fascination, and purposes of the many operations, with particular reference to the Butte operations.
Kansas Kho
Archon-Aldo Ditto
V. Archon-Charles Engelhardt
Treas.-Marlin Malling
Sec.-Don Peshock
Scribe-Joseph Kandle
Sec.-At-Arms-Carlo Strobel
Adviser-Frank Young
Those with an interest in chess are urged to join their friends in the Chess Club. Girls are welcome. Officers:
Pres.-Frank Wills
Sec.-Marvin Persons
Adviser-Adam J. Smith

Copper Guards
Dale-Robert Wiley
Chancellor-John Radovac
Recorder-Kent Taylor
Scribe-Mike Arne
The Copper club reports the largest membership in its history. This enlargement has led the organization to start the Big Sister-Little Sister plan, where each sophomore corresponds to a freshman girl to help and answer their many questions. The new officers are the following:
Pres.-Lee Ann Peterson
V. Pres.-Della Dorcas
Sec.-Ted Lyon
Treas.-Lynn Ealey
Delegates-at-Large: Delores La-Jeans, Mary Claire Sullivan, Mary Pat Tidy

The M Club planned a successful Homecoming under the direction of its officers:
Pres.-John Evans
V. Pres.-Sam Higbin
Treas.-Dan Stowe
Adviser-Frank Young
Scribe-Joseph Kandle

WHAT'S IN A NAME?
There is a famous American name that John Smith, and other nationalities have him too:
In Latin, John Smith becomes Johannes Smith.
In Italian, he is known as Giovanni Smith.
In French, he is Jean Smith.
The Russians call him Johnoff Smith.
The Spaniards call him Juan Smith.
The Welsh as Jihon Schmidt.
The Germans call him Johannes Schmitt.
The Greeks as Ivon Smirnkon.
The Canadians call him John Smith.

And in Turkey, he is disguised as Johnoff Smith.
In Arabic, John Smith becomes Jean Smeet.

In Chinese, he is known as John Smith.

In Japanese, he is Johnoff Smith.

In Bengali, he is known as Johnoff Smith.

In Indonesian, he is known as Johnoff Smith.

In Korean, he is known as Johnoff Smith.

In Swahili, he is known as Johnoff Smith.

In Malay, he is known as Johnoff Smith.

In Thai, he is known as Johnoff Smith.

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OREDRIGGERS GRAB 19-7 HOMECOMING VICTORY

The Orediggers found revenge, sweet revenge, by soundly trouncing the Northern Montanans in Nanache Stadium by the impressive score of 19-7 and, as a result, made the 1963 Homecoming a big success. The kickoff was taken by Mines' Engineering senior Gary Evans, who ran the ball down midfield, enabled the Mines to pile up a total of 184 yards rushing. The point after touch- down failed.

The first library at the School of Mines was located on the second floor of the Main building. The number of publications in the library in 1920 was 9,000. The mineral museum contains about 9,000 minerals.

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