

At Commencement

Two To Receive Honorary Doctorates

Two Montanans who've devoted many years of their lives to public service will receive honorary doctor's degrees during Summer Commencement exercises on August 18 at Montana State College.

They're Miss Jeannette Rankin, the first woman to be elected to the Congress of the United States or to any major parliamentary body in the modern world, and Fred Buck, State Engineer.

Making the presentations will be Dr. Roland R. Renne, MSC president.

One of the great leaders in the woman suffrage movement, Miss Rankin was influential in securing a favorable vote in the Montana legislative assembly in 1919 on the Nineteenth Amendment, giving women the right to vote.

Miss Rankin was elected to Congress in 1916 and in 1917, she cast the only vote against entry into World War I. Re-elected to Congress from Montana in 1940, she cast the only vote against entry into World War II.

In a 1958 issue of "McCalls", Miss Rankin was termed by Senator (now president) John F. Kennedy as one (with Anne Hutchinson and Prudence Crandall) of "Three Women of Courage."

A native of Montana, she graduated (Continued on page 2, column 5)

Commencement Ends Summer Session

Montana State College will hold its fourth annual summer Commencement at 2 p.m. Friday, August 18, in the college gymnasium.

One hundred and fifty-seven candidates are listed for degrees, with an additional 41 associate degrees in nursing to be granted. A breakdown of the list shows 89 candidates for the bachelor's degree, 65 for master's degrees and three for doctor's degrees.

Freshman Week Begins Sept. 18

Freshman Week will be held at Montana State College September 18 through 23, according to Max Worthington, director of public service who is handling general arrangements.

Students should plan to arrive on the campus on Sunday, Sept. 17. Men should report to the Pryor wing of Lewis and Clark Hall for room assignments. Women students report to the main desk in Hannon Hall for assignment.

Parents and freshmen will be the honored guests of the faculty for refreshments from 1:30 to 4 p.m. Dr. Roland R. Renne, MSC President, will give the welcome address to freshmen and their parents at 4:30 p.m. in the field-house. Movies will be shown in the SUB Theatre at 7 and 9 p.m. Sunday with no charge.

Placement tests will be given Monday and Tuesday to help freshmen and their counselors in working out class schedules. A student government convocation will be held Tuesday afternoon to give student leaders a chance to explain student government and other related activities. A freshman dance, sponsored by the Associated Students of MSC, will be held Tuesday night in the SUB ballroom.

Pre-registration and individual counseling by instructional divisions will lead off the Wednesday program. A student activities meeting to give freshmen information on activities such as student publications, musical organizations, dramatic productions and forensics will be held later in the day. Church dinners given by the various Bozeman churches will be held that night.

Freshmen registration will be Thursday, Sept. 21, with upperclassmen registering on Friday and Saturday morning. An Associated Women Students Big Sister Party and Mortar Board Welcome Party for transfer students will be held Thursday night. The management of the Bozeman theatres will host a theatre party on Friday night.

Welcome from President Renne

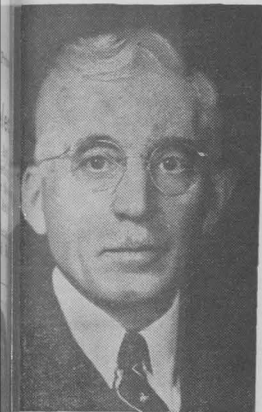
I would like to extend my warmest welcome to those of you who will be attending Montana State College for the first time and to those of you who will be coming back for another year.

Montana State College has grown tremendously in recent years in quality and in quantity. We shall continue to grow and to progress through the efforts of both faculty and students.

May I invite you freshmen to bring your parents with you for refreshments and to meet representatives of the faculty on Sunday afternoon of Freshman Week in the Student Union.

My best wishes to you for a continued pleasant summer and a most successful school year.

Sincerely,
Dr. Ronald R. Renne
President



FRED BUCK



MISS JEANNETTE RANKIN

New Appointments

Twelve Staff Members Named

Twelve new appointments to the faculty of Montana State College are announced by President Roland R. Renne.

Appointed head of department professor of physics is Dr. Robert E. Dayton who comes from Swarthmore College where he has been assistant professor of physics since 1957. A graduate of Swarthmore, Dr. Dayton earned his Ph.D. at Cornell University. He has taught at Montana State for three years and group leader in physics research with the Babcock and Wilcox Company. He is a member of the Beta Kappa, American Physical Society, American Nuclear Society and American Society of Physics Teachers.

Dr. Willis Vandiver has been appointed associate professor of botany. He was an elementary school teacher and administrator for 19 years prior to receiving his Ph.D. from Colorado State College in 1955. Then he has served as director of elementary education in the Billings public school system. Appointed assistant professor of bacteriology is Franklin S. Chan. He is a 1953 graduate of Northwestern College, Winona, Minn., and earned his master's degree in bacteriology at Montana State University where he also has been working toward a doctorate.

Herbert Gross has been appointed assistant professor of mathematics. A native of Switzerland, Dr. Gross earned his doctorate at the University of Wisconsin where he also taught for several years. His major research areas are algebra and number theory.

One of the new appointees are to the department of electrical engineering, Robert E. Lee, assistant professor of electrical engineering, comes to MSC from General Electric Computer Department at Phoenix, Ariz. A graduate of the California Institute of Technology, he received his master's degree at Stanford University.

Dr. L. Hogin, instructor in electrical engineering, is a graduate of San Jose State College in California and received his master's degree from Stanford University. He has had industrial

experience with electrical and aircraft firms in California.

Dr. John W. Jutila, who will be assistant professor of botany and bacteriology, was a post-doctoral trainee this past year in the school of medicine at the University of Washington where he earned his Ph.D. in microbiology. He took his undergraduate work at Montana State University where he also earned his master's degree.

Appointed assistant professor of earth sciences is Dr. Robert A. Chadwick who comes here from Long Beach State College in California where he was assistant professor of geology. A graduate of Princeton University, Dr. Chadwick received his Ph.D. at the University of Wisconsin. He has been a consulting geologist (Continued on page 3, column 1)

D.G. Sorority Heads Spring Scholastic List

With a grade average of 83.91, the Delta Gamma sorority topped all organized living groups on the Montana State College campus for scholarship during the spring quarter, reports Registrar Martha L. Hawksworth.

The Sigma Phi Epsilon fraternity with an average of 82.80 ranked first among men's organized living groups.

Following Delta Gamma among the sororities were Pi Beta Phi, Alpha Gamma Delta, Alpha Omicron Pi, Chi Omega and Kappa Delta.

Ranking in order after Sigma Phi Epsilon in the men's groups were Lambda Chi Alpha, Cooperative House, Phi Sigma Kappa, Kappa Sigma, Alpha Gamma Rho, Sigma Nu, Sigma Chi, Delta Sigma Phi, Sigma Alpha Epsilon, and Pi Kappa Alpha.

Sorority pledges ranked in the following order: Delta Gamma, Chi Omega, Alpha Gamma Delta, Alpha Omicron Pi, Pi Beta Phi, and Kappa Delta.

Fraternity pledges placed as follows: Cooperative House, Sigma Phi Epsilon, Sigma Nu, Delta Sigma Phi, Kappa Sigma, Sigma Chi, Phi Sigma Kappa, Lambda Chi Alpha, Alpha Gamma Rho, Sigma Alpha Epsilon, and Pi Kappa Alpha.

Students Given Modern Care by Health Service

A modern, efficient program of preventive medicine is the keynote of the Student Health Service at Montana State College.

The institution recognizes the value of good health to anyone and especially to students. They employ three physicians, three full-time registered nurses, two part-time registered nurses, one registered medical technologist and X-ray technician and a secretary-receptionist.

All entering students must undergo a physical examination, testing and immunization against communicable diseases, routine laboratory examinations, and a chest X-ray when necessary.

Among the facilities and services available are office and dispensary services by the health service physicians, nurses and technicians including laboratory procedures, diagnostic X-rays, physiotherapy, and pharmacy. House calls are made by the physicians when necessary. They provide resident ward service in the 14 bed infirmary which includes an isolation unit.

The health service doesn't have facilities or services available in case of illness or injuries occurring outside the Bozeman area or occurring during vacation periods between quarters; for injuries occurring through automobile accidents or while a student is working where the job is specifically covered by an industrial type of insurance.

They can't provide unauthorized hospitalization, physician or surgical fees; eye refraction or glasses; or special nursing services.

EDITORIALLY SPEAKING

Exponent Positions Open

With the end of summer quarter rapidly approaching, we are finding ourselves with little time remaining until the beginning of another school year. This will be a special issue of The Exponent for MSC students, with the first regular issue to be published October 13.

The Exponent is a weekly publication, staffed entirely by volunteers who receive neither credit nor pay. It has the distinction of being one of the largest weekly papers in the Rocky Mountain Collegiate Press Association.

The Exponent lost many of its old "regulars" due to graduation last spring and we will be in need of "new blood" to fill in the loss. All persons who would be interested in writing for the Exponent or working on the staff are urged to contact me or any member of the Exponent staff concerning this.

The Exponent has several departments such as general news, sports, business, and copy. Each department has its editor and these are the persons to contact, depending upon your interests.

Let me urge you again to help us out; we will both welcome and appreciate your interest.

Flint Taylor,
Editor, Montana Exponent

Student Government Explained

Montana State College boasts a unique and effective student government. Its commissioner system, a rarity among Northwest schools, capably administers \$110,000 each year without even a faculty advisor—an awesome responsibility for a campus activity.

MSC students directly elect their president, vice president, and commissioners of athletics, demonstrations, dramatics, fieldhouse, finance, forensics, information and public relations, judging teams, musical affairs, publications, social affairs, and student union. These officials comprise the core of Student Senate, the major decision-making unit. Student Senate acts on recommendations of an extensive network of boards and standing committees. Each Senate decision not only pertains to large areas of the student population, but represents the work and thinking of a sizable portion as well.

What will 1961-62 hold? Public relations will undoubtedly absorb much of the energy of MSC students and their government. Student Senate will make a concerted effort to systematize its operations for smoother year-to-year continuity. Morale of students and faculty under austerity appropriations promises to push MSC to an even finer educational tone.

Unlike the fellow who hopped on his horse and rode off in 14 directions at once, we face the new school year with sharply focused objectives and confidence in our ability to achieve them.

Tom Richardson
President, ASMSC

Social
Calendar

Many social activities which returning students and new students will not want to miss are already booked for the fall quarter.

The complete schedule follows:

September—

- 18-23 Freshman Week
- 22 Head Resident Mixer
- 23 Arnold Air Society and Angel Flight Mixer
- 29 Spur Fang Mixer
- Les B. Museum Memorial Street Dance
- 30 ASCE Mixer
- Pi Kappa Alpha F.S.

October—

- 6 Seabard and Blade Mixer
- ISA F.S.
- 7 ASME Mixer
- AGR F.S.
- Phi Sig F.S.
- Pi Phi F.P.
- Sigma Chi F.S.
- 13 Pi Tau Sigma Mixer
- Hapner Hall F.S.
- 14 WUS Mixer
- Delta Sig F.S.
- Hilltop Hoedowner F.P.
- M.R.A. F.P.
- AGD F.S.
- 19 Spur Fang Mixer
- 20 "M" Day

- 20 Fang Dance (Queen's Dance)
- 21 Homecoming Ball
- 22 Sigma Nu All-Sorority Tea
- 27 Newman Club Mixer
- AOPi F.S.
- Lambda Chi Halloween Function
- 28 AIA Mixer
- Hapner Hall F.P.
- DG F.P.
- Kappa Sig F.P.
- Kappa Delta F.S.

November—

- 3 Chi Omega F.S.
- ISA F.P.
- Sig Ep F.S.
- 4 Mid-Quarter Harvest Ball
- Sigma Nu F.P.
- 10 AIEE Mixer
- 11 Veterans' Day
- SAE P.J. Dance
- 17 ISA "Beatnik" Dance
- Kappa Delta F.P.
- Kappa Sig F.S.
- Lambda Chi F.S.
- 18 Spotlight Dance
- Phi Sig F.P.
- AGR F.P.
- Sigma Chi F.P.
- 23-26 Thanksgiving
- December—
- 1 "Model U.N. Mixer
- 2 Mortar Board Snow Ball Dance
- SAE F.P.
- Pi Kappa F.P.
- Sigma Nu F.S.
- 8 College 4-H Mixer
- Ski Club Party

The Montana
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FLINT TAYLOR EDITOR

ARTCRAFT PRINTERS

Car Regulations
Effective Sept. 1

Students who are planning to enroll at Montana State College for the first time will want to inform themselves about the regulations governing the possession and operation of motor vehicles by students.

A pamphlet giving these regulations in detail will be provided all students when they register. However, a brief summary is given in this issue of The Exponent since the regulations especially concern freshmen.

These regulations, which were adopted by the State Board of Education, ex officio Regents of the University of Montana, became effective September 1, 1960.

Briefly, the regulations provide that no undergraduate student, or any previously enrolled student below sophomore standing, may possess or use a motor vehicle of any kind on the campus or in the city of Bozeman or in Gallatin county until he acquires academic status above freshman level and has attained at least a 2-point grade average.

All students, regardless of the time of enrollment, must register their motor vehicles with the college traffic office.

The pamphlet gives in detail the regulations governing the ownership and use of motor vehicles by students above the freshman level, the various kinds of parking permits provided, and penalties for failure to observe the regulations.

Main point for the incoming freshman to keep in mind is that unless there is some exceptional reason, such as disability, business use or commuting, he cannot possess or operate a motor vehicle on the MSC campus, in the city of Bozeman or in Gallatin county.

Circus Draws Crowd

More than 20,000 persons attended the Ringling Brothers and Barnum & Bailey circus on August 3 and 4 in the fieldhouse, making it the biggest two-day attraction in the history of the building, reports manager Bud Purdy.

There was a total of four performances—two matinees and two evening shows.

The fieldhouse still attracts a lot of tourists during the summer months, but not in the manner that it did three or four years ago. "We know a lot of tourists attended the circus," said Purdy, "because we wound up with loads of \$1 bills."

Purdy already has begun work on attractions for the coming year, but said no contracts have been signed yet.

- 9 Engineering Consul Mixer
- Chi Omega F.P.
- Yukon Days
- Delta Sig F.P.
- Sig Ep Diamond Princess Ball

REGISTRAR'S NOTES

Attention of new students as well as those returning to MSC is called to the following information provided by Martha Hawksworth, registrar. In particular note the change in date for the start of the autumn quarter.

Autumn Quarter Date Change

The dates for the beginning of Autumn Quarter were changed from those given in the current catalog.

Freshman Week begins Monday, Sept. 18 at 7:30 a.m.

Upper class registration will be Friday and Saturday morning, Sept. 22 and 23.

Notes to New Students

New freshmen and transfer students, those with less than 40 transfer credits and 80 grade points, will report for Freshman Week registration between 7:30 and 8:00 a.m. Monday morning, Sept. 18 to take the required Placement Tests.

Applications for Admission and transcripts of records from former schools attended should be submitted to the Director of Admissions not later than Sept. 1.

Registration Permits for 1961-62 will be mailed to all new students who have applied to date by Aug. 20. Instructions and registration information will be included in the mailing.

New freshman students who have been awarded High School Honor Scholarships should mail the stub of the scholarship to the Registrar immediately so that their fees may be adjusted accordingly.

Upperclass Transfer Students are required to take Placement Tests and a physical examination before registering for classes. These students will report to room 108 Reid Hall at 8:30 Thursday morning, Sept. 21.

Fee Increase

Students who attended MSC last year were notified of the increase in fees for the year 1961-62 and notification has been sent to new applicants. This is a reminder for all students.

Used Book Shop
Offers Big Choice

Summer session students have made good use of the McGill Museum Used Book Shop maintained by the American Association of University Women for their scholarship fund.

Steady contributions keep the number of books available at about 1,000. Included are standard texts in many fields, a wide range of literature and language, and many useful items in non-fiction. The books are low priced with the intention of assisting students and teachers in building their personal or school libraries.

Van Winkle Selected
For Chicago Seminar

James W. Van Winkle, associate professor of economics at Montana State College, has been selected one of 40 teachers of economics from colleges over the country to attend the second annual seminar on "Recent Developments in Applied Economics" conducted by the graduate school of business at the University of Chicago.

Supported by a grant from the General Electric Foundation, the seminar lasts for one month. Van Winkle left Bozeman Thursday for Chicago.

The Incidental Fee was increased \$10 a quarter making total fees for autumn quarter \$117.75; winter, \$101.70; spring, \$101.70.

Non-resident Fee Increase

The non-resident fee was increased \$5 for the next year, to a total of \$70 a quarter. The total quarterly fees for non-resident students for autumn quarter \$210.25; winter, \$194.20; spring, \$194.20.

Pre-registration Cards

Students who were in attendance last year or who attended at some prior date must submit a pre-registration card to the Registrar's Office before Sept. 1. Autumn quarter registration material will be assembled only for those students who have prepared pre-registration cards. New Freshmen Summer Quarter

New freshmen students who registered for the first time during the 1961 summer quarter will be required to take Placement Tests and to participate in Freshman Week with the other freshmen students.

Welcome To Transfer Students

Mortar Board is sponsoring special information and welcome meeting for all transfer students. The Associated Student Presidents will explain student government and college organizations. It will be an opportunity for transfer students to become acquainted with various aspects of student activities. The meeting is scheduled for 7:30 p.m., Thursday, September 21 in the lounge of Student Union Building. Transfer students are urged to attend.

War Service Fee Exemption

Montana veterans who are eligible for War Service Fee Exemptions must apply for them have their applications approved at least two weeks before registration. Students who will be eligible for this exemption for autumn quarter should write the Registrar immediately for application forms.

TWO RECEIVE—

(Continued from page 1) uated from Montana State University and later studied at the School of Philanthropy in New York and at the University of Washington in Seattle.

Buck began his outstanding career as a public servant in 1910 as an instructor at Montana State University. He is a graduate of MSC and has done graduate work at the University of California and Montana State College.

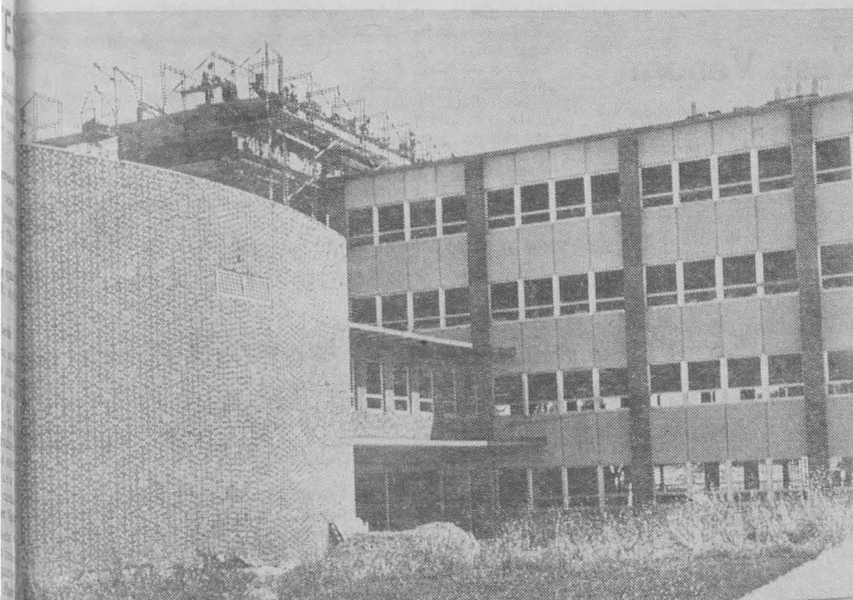
From 1910-19, Buck held several engineering positions. He served as city engineer for the cities of Missoula, Butte, and Helena, Alaska.

He was appointed State Irrigation Engineer for the Montana Irrigation Commission in 1919 and joined the Montana Railway Public Service Commission in 1921 as Assistant Chief Engineer and was appointed Chief Engineer in 1925.

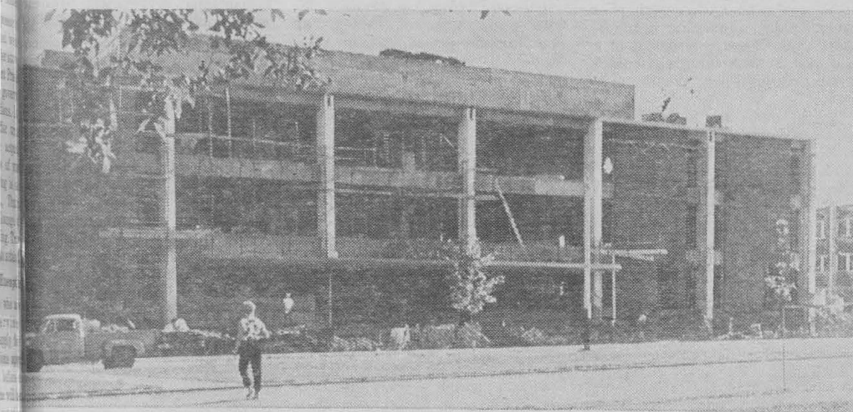
From 1934-41, he was with Montana State Water Conservation Board. He's been State Engineer since 1941.

William E. Welsh, secretary-manager of the National Reclamation Association, had this to say about Buck: "The death of state engineers in the West under his leadership, Montana made greater progress than any state in the West in the protection and development of its reclamation projects."

He is the oldest state engineer in terms of length of service.



THE MUCH-NEEDED new chemistry building, located west of the gymnasium, will be partially completed Sept. 15. A 300-seat classroom and some offices will be open then, and the remainder of the building will be finished as funds become available.



THE LIBRARY ADDITION is an imposing sight on the Montana State College campus. The first floor will be ready for use winter quarter. The remaining three floors will be completed when funds become available.

Construction Progressing on New Buildings

Montana State College students enjoy the facilities of two new buildings during the 1961-62 school year.

Work is progressing well on the library addition and the chemistry building.

Martin Whalen, superintendent of the physical plant, said the chemistry building would be open for partial use on Sept. 15. The library addition probably will be ready for use during winter quarter.

Only the first floor of the library will be completed for use at the present time, and the remaining three floors will be completed for use as funds become available.

It's estimated that the new addition will solve MSC's library needs at least until 1975, when it's anticipated that the present enrollment will be nearly doubled.

In the chemistry building only one classroom (300-seat capacity) and some adjacent offices, will be

open fall quarter. The remainder of the building will be finished as funds become available.

Tentatively planned by the U.S. Government for construction on the campus is a forest products research building. The structure would be used to house research projects on methods of harvesting lodgepole pine.

Residence Halls Open Sept. 17 for Freshmen

Freshman residence halls at Montana State College will open at 9 a.m. Sunday, September 17, to allow freshman women to move into Hannon Hall and the men to report to the Pryor wing of Lewis and Clark Hall, according to Mrs. Irene B. Miller, director of residence halls.

Applications for room reservations may be obtained from the Director of Admissions at MSC.

All single freshman women who aren't Bozeman residents must live in residence halls unless they will be 22 years old by October 1. All single freshman men or transfer students who aren't Bozeman residents must live in college residence halls during their first three quarters at MSC.

Meal service during Freshman Week will begin with Monday morning breakfast.

50 Candidates

Bobcats Begin Practice August 31

Some 50 candidates will report August 31 for the opening of football drills at Montana State College. Coach Herb Agocs, beginning his fourth year as Bobcat head coach, then will have slightly over two weeks to prepare his charges for the Sept. 16 opener with North Dakota at Grand Forks.

Montana State meets Fresno State, one of last year's top small college elevens, in Great Falls on Saturday night, Sept. 23, and has its first home game on Sept. 30 against South Dakota State.

The Bobcats will be a veteran unit in 1961 and despite a tough schedule listing Arkansas State, Fresno State, Idaho State and Montana, should improve upon last year's 5-3-1 record.

Last year's junior-laden club was tied in its opener and lost its next two games before coming on strong to win five of its last six contests. Agocs has 19 lettermen returning from the '60 team.

The club will be strong at the interior line positions, with the possible exception of center where there's a depth problem. The entire tackle squad returns and only one guard is missing. Tops on the line are Bob Biastoch, a two-year regular at tackle, and Steve Sobonya, a speedy 180-pound guard. Biastoch is a 227-pound senior and twice has earned mid-bracket all-America honorable mention.

Leading a potentially strong end squad are returning starters Bill Cords and Dan Greer. They're backed up by lettermen Gordon Schlabs and Bob Durado.

MSC has two experienced quarterbacks but there's a serious lack of depth at the halfbacks. There are two lettermen fullbacks in Mark Dasinger, a starter last fall, and reserve Bucky May. Both are 190-pounders.

Bidding for the starting quarterback spot will be lettermen Harry Lopsonzski and Bill Mulcahy. They alternated on the first unit last fall.

Seniors Jack Cameron and Jerry Johnson are veterans at the

halfbacks but the loss of Sam Moore, Tommy Molen and Welles Bacon will be keenly felt. There is no tested depth behind the starters.

Tops among a fine group of sophomores are halfback Leon Hartman, a hard-running 199-pounder, and quarterback Ken Christison.

MSC still will be plagued by a couple of perennial problems—lack of overall team speed and a good break-away threat.

Many Intramural Events Scheduled

Ample intramural and recreational activities are scheduled for Montana State College students during the coming school year.

A total of 11 sports are on the intramural slate for boys, reports director Bob Beck. For the girls, there will be league competition in volleyball, and they can participate in such sports as badminton, bowling, hiking, swimming, table tennis and tumbling.

Beck said competition for the men would begin this fall with football, volleyball and basketball. In addition, a cross-country race will be held in mid-fall.

Winter sports are basketball, wrestling, skiing and bowling. On the spring schedule are softball, swimming, golf and tennis.

Beck explained that competition would be in three leagues—the dormitories, independents and fraternities.

In addition to the league competition, the men can participate in archery, table tennis and badminton. Beck said a new archery range was being built on the campus.

The eight new tennis courts east of the fieldhouse have attracted many players during the warm summer months and two tournaments were sponsored by MSC. Also, the college has a special agreement with Valley View Country Club, and two golf tournaments were held there during the summer.

— FOR —

Text books	Engineering equip.
Slide rules	Drawing sets
Gym clothing	Notebooks
Stationery	Mugs and pennants
Greeting cards	Art supplies
Drug sundries	Candy and tobacco

Your Associated Students Store

Owned and operated by

THE ASSOCIATED STUDENTS OF MSC SINCE 1930

FIVE STAFF MEMBERS—

Continued from page 1)
A mining company in Arizona has also worked for the Geological Survey.

Ernest W. Eubanks, who has been a graduate assistant in agricultural economics at MSC since 1957 and is now completing work on his doctor's degree, has been named assistant professor of agriculture. He holds bachelor's and master's degrees from Baylor University and has taught economics and finance at the University of Southern California.

George S. McClure has been named instructor in civil engineering and mechanics. He has received his master's degree in engineering from the University of California at Berkeley and has also been a teaching research assistant. He is

a graduate of the University of Colorado and has been a design engineer with an engineering consulting firm in Denver.

Mrs. Mollie W. Hatch will be instructor in health and physical education. She is a graduate of Wisconsin State Teachers College and received her master's degree at Eastern Montana College of Education. She has taught physical education at the Billings Junior High School.

Richard B. Landis has been appointed instructor in history. A graduate of Grinnell College in Iowa, he holds a master's degree from the University of Colorado. Recently he has been attending the University of Washington where he has completed all work on his doctorate except for his thesis.

MSC Scientists

Study Medical Possibilities of Wasp Venom



ANGRY WASP—Dr. Rodney J. O'Connor sends 18,000 volts through a wired, glass cylinder, angering an enclosed wasp, causing it to deposit venom on a membrane. The venom is stored and used for basic research. Dr. O'Connor has a colony of 60 wasps and is attempting to analyze the substances found in wasp venom.

Programs Offer Financial Help

Students needing financial help during the coming school year at MSC will find funds available for loans, says Robert C. McCall, chairman of the Student Loan Committee.

Loans are made from independent loan funds and from National Defense Education Student Loan program which is made up of federal, state and local funds.

The Student Loan Committee composed of eight faculty members reviews loan applications. Beginning freshmen are expected to have a better-than-average high school scholastic record while college students are required to have a 2.5 cumulative grade point average and must maintain a 2.0 average to maintain the loan.

Interested students may get application forms and further information by writing Robert C. McCall, Chairman, Student Loan Committee, Montana State College, Bozeman.

42 TOP GRADUATES—

(Continued from page 1)

Astronomy and soils—Peter Jurasita, Bozeman, assistantship at University of California.

Agricultural economics—Ramon Sammons, Utica, International Cooperation Center fellowship at MSC; William K. Goss, Sidney, assistantship at University of Arizona; Bruce Ellis, Red Lodge, assistantship at Oregon State University; Salah Yacoub, Michigan State University.

Animal industry—Ion Smith, Clinton, fellowship at Iowa State University. **Chemical engineering**—Jay L. Gleason, Livingston, industrial fellowship at MSC; Richard L. Nelson, Shelby, National Science Foundation fellowship at MSC.

Civil engineering—Allen Thurman, Great Falls, combination Ford Founda-

tion fellowship and assistantship at Carnegie Institute; Gunnar Tveit, Bergen, Norway, assistantship at Oklahoma State University.

Electrical engineering—Erland Royer, Kalispell, Hughes Aircraft Tau Beta Pi fellowship at Stanford University; William Beadle, Red Lodge, fellowship from Television Shares Management Corporation to attend Stanford University.

Mechanical engineering—Edward C. Mock, Cut Bank, special research fellowship from Endowment and Research Foundation at MSC.

Commerce—Richard Heard, Butte, assistantship at Arizona State University.

Chemistry—Gary Anderson, Glasgow, fellowship at University of Utah; Clinton J. Cooney, Joliet, Woodrow Wilson fellowship at Stanford University; Martin J. Houle, USDA fellowship at MSC; Thomas Huff, fellowship at Carnegie Institute; Duane Johnson, Glasgow, assistantship at University of Colorado; Vivian William Thomas, Jr., Hardin, fellowship at Washington State University.

Home economics—JoAnne Huddleston, Joliet, assistantship at Michigan State University; Virginia Nerlin, Joliet, assistantship at Iowa State University.

History and Government—James Guenther, Bozeman, fellowship at University of Wichita.

Mathematics—John Burlingame, Sheridan, National Defense Act fellowship at MSC; Don Loftsgarden, Power, National Defense Act fellowship at MSC; Gary Sackett, Billings, National Science Foundation fellowship at MSC; Robert Foster, White Sulphur Springs, assistantship at MSC; Robert Nelson, Libby, assistantship at MSC; Harold Hietala, Belgrade, departmental job at MSC; Richard Meyers, Geraldine, assistantship at MSC.

Physics—Dale R. Fredrickson, Big Timber, assistantship at University of Colorado; Robert N. Hagen, assistantship at University of Arizona; John P. Kearns, Bozeman, assistantship in meteorology at University of Wisconsin; David A. Krueger, Sidney, National Science Foundation fellowship at University of Washington.

Psychology—Cameron R. Dightman, Helena, U. S. Public Health fellowship at University of Washington; Steve Fahion, Helena, U. S. Public Health fellowship at University of Oregon.

Botany and bacteriology—Lynn L. Hoeft, Polson, combination fellowship and assistantship at University of California at Davis.

Zoology and entomology—G. Wayne Minshel, Billings, fellowship at University of Louisville; Tom Vapatka, Kensington, Conn., assistantship at MSC; Howard Johnson, Bozeman, assistantship at University of Washington; Alfred Fox, Yonkers, N. Y., assistantship at MSC; Jeannie Jones, Great Falls, assistantship at Washington University of St. Louis.

The medical uses found for bee venom have prompted Dr. Rodney J. O'Connor, assistant professor of chemistry at Montana State College, to conduct basic research on a species of wasp.

Little research has been done to date on wasps, but Dr. O'Connor explains that bee venom has been used to help lower blood pressure and to help treat arthritis. "It also has been tested in people suffering from rheumatic fever and has proved successful," Dr. O'Connor said.

Dr. O'Connor also was motivated to study wasps because of a relatively large number of deaths attributed to insect stings and by the use of certain venoms for smooth muscle stimulants in medicine. "Statistics show that there are nearly twice as many deaths resulting from insect stings as from snake bites," he says. Presently, he's concerned with analyzing the different substances found in venom. He's particularly interested in the substance inducing suspended animation in the wasp's victim, notably brown spiders.

For example, a wasp stings a brown spider, rendering it inanimate, then stores the victim in a mud nest. A year later, the spider apparently is in near perfect condition.

Dr. O'Connor and his assistant, graduate student William Rosenbrook, Jr., of Bozeman, are tending a colony of about 60 wasps. Since the wasps have a peculiar diet, procuring food for the colony is a problem.

The wasps eat only honey and brown spiders. "They can live on honey alone, but need the protein they get from brown spiders to produce venom," he explains. A

suitable diet for the colony consists of honey and about 20 brown spiders daily.

Finding an adequate supply of spiders has been a problem for the researchers. Dr. O'Connor put out a call locally for the spiders some months ago, but got little response.

With the help of some science students who ship spiders from his native Missouri, Dr. O'Connor has managed to keep the wasps alive and producing some venom.

Sept. 22 Starts

Greek Rush Week Schedule

One of the activities that will involve many new students during the fall quarter at MSC will be the "rush week" programs of the six sororities and ten fraternities on the campus.

This is the time when the Greek letter social groups and interested prospective members have an opportunity to become acquainted with each other.

Sorority rushing is under the direction of Panhellenic Council and fraternity rushing is directed by Interfraternity Council.

Rush week for the sororities will begin Friday, September 22, with registration of rushees at the Panhellenic offices in the Student Union from 8 a.m. to 5 p.m. Registration will be continued from 8 a.m. to noon Saturday. There is a \$3 fee for all rushees.

On Saturday, September 23, the sororities will hold promenade parties starting at 2 p.m. and continuing through the evening.

Invitational parties will be given by the sororities on Sunday, Monday, Tuesday and Wednesday. Specific times will be listed in the rushing program.

Pledging by sororities will be

Exponent Replaces Last Summer Notes

This special issue of The Montana Exponent, the student newspaper at MSC, reaches summer session students in lieu of the last issue of the Summer Notes which has appeared weekly during summer quarter.

on Thursday, September 28, from 5 p.m. to 8 p.m.

Fraternities will begin the rush programs Tuesday, September 19, with registration of rushees from 8 a.m. to 6:30 p.m. the Student Union. Registration will be continued Wednesday the same hours and again Thursday from 8 a.m. to 6 p.m.

Fraternity rushees pay a \$2 fee at registration.

The fraternity promenade will be held from 6 to 9:30 p.m. Thursday. From Friday through Monday the fraternities will give invitational parties with the preference parties being Monday evening, September 25.

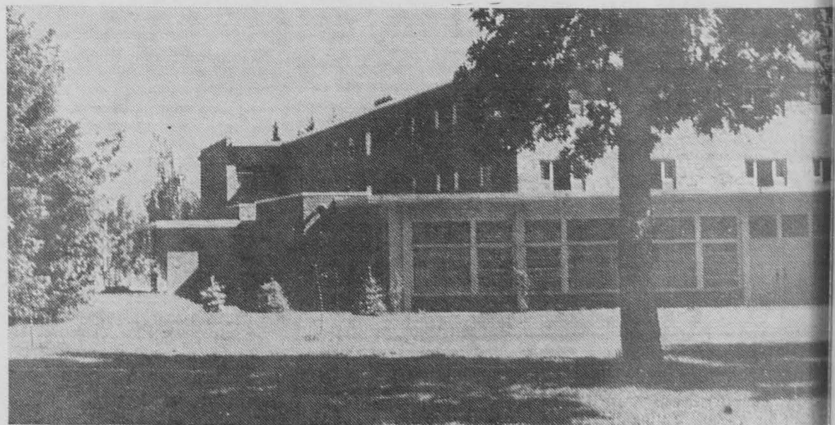
Pledging for fraternity rush will take place from 7 p.m. to 10:30 p.m. Tuesday, September 26.

The six sororities at MSC are Alpha Gamma Delta, Alpha Omicron Pi, Chi Omega, Delta Gamma, Kappa Delta and Pi Beta Phi.

The ten fraternities at MSC are Alpha Gamma Rho, Delta Sigma Phi, Kappa Sigma, Lambda Chi Alpha, Phi Sigma Kappa, Pi Kappa Alpha, Sigma Alpha Epsilon, Sigma Chi, Sigma Phi and Sigma Phi Epsilon.



Lewis and Clark Hall houses 634 men including freshmen, transfer students and a limited number of upperclassmen. There are 54 single and 290 double rooms in the entire hall. Freshmen men students arriving on Sunday, Sept. 17, should report to the Pryor wing of the hall for room assignments.



A total of 305 women students, mostly freshmen, live in Hannon Hall. It has a total of 19 single and 143 double rooms. Freshman women students should report to the main desk in Hannon for room assignments.