The University of Oklahoma has announced the appointment of Douglas H. Wadman of Cut Bank, Mont., as the Pan American Petroleum Foundation fellow in petroleum engineering for the 1960-61 academic year.

Mr. Wadman, who will study for the M.S. degree in petroleum engineering, is the son of Mr. and Mrs. Theodore M. Wadman of Cut Bank, Mont. Mr. Wadman was graduated from Cut Bank High School and holds a B.S. degree in petroleum engineering from the Montana School of Mines.

His fellowship at the University of Oklahoma is one of 16 offered to students from 15 U.S. colleges and universities for the 1960-61 academic year by the Pan American Petroleum Foundation, Inc. The foundation was created and is supported by Pan American Petroleum Corp.

All Pan American Petroleum fellowships carry a stipend of $1,500 for the academic year and cover costs of tuition and fees. Fellowships are selected by the institutions where the fellowships are offered.

Each Pan American Petroleum Foundation fellowship is without restrictions, leaving the fellow free to pursue any type of research he

Glee Club Is Reactivated

Twenty-three students reported for Glee Club Wednesday, October 5. For the first time in Glee Club history a mixed chorus has been formed. Glee Club officers are Wally Johnson, president; Bruce Dungan, vice-president; and Bob Pryor, secretary. This glee group is directed by Professor Ralph Smith.

Suggested activities for this year are a Christmas Concert, Spring Convocation, and performances at various clubs and organizations in the Butte and nearby area. Glee Club practices will be held every Wednesday afternoon at 4:15 (4:45 after football season) in the museum. All students are welcome to join the Glee Club.

Wadmam Receives Fellowship

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Coming Events

OCTOBER—
15 Football
Northern at Mines, 2 p.m.
15 McLeod Dance
16 Student Union, 9 p.m.
22 Football
Eastern at Mines 2 p.m.
23 Coed Tea
27 Geology Seminar
29 Football
30 Mines at Western

NOVEMBER—
5 Football
Mines at Rocky Mountain
6 Faculty Wives Party
10 Veteran's Day
18 Homecoming (Coed)
19 Student Union Building, 9 p.m.
23 Thanksgiving Recess Begins, 5 p.m.

FOUR COUNTRIES ARE REPRESENTED BY INT'L CLUB OFFICERS

The International Club met October 4 to elect officers. This year's officers are: president, Werner Baab from Germany; vice-president, Jim Re from Canada; secretary, Hal Hunsperger from Mexico; and treasurer, Chris Kupchisky from Russia.

The International Club meets once a month in the Central Building. The next regular meeting will be held in the Copper Lounge Monday evening, October 17. All students are urged to join this active, educational international club.

Coed Club Officers: Marie Sullivan, secretary-treasurer; Tom Stefanich, president; and Sandy Mannix, vice-president.
Editorial

With the opening issue of the Amplifier, it is only fitting that we of the staff give a hearty welcome to the new students and faculty of the Montana School of Mines. Looking around the campus, one cannot help noticing the many new and smiling faces. For the new people, you may enjoy MIM and gain by your experience while here.

Now, with the soft pedal and formality out of the way, we would like to make an annual pitch to both students and faculty. By now, everyone has seen the interior of Main Hall and no person could possibly have missed the large orange paper stand on the left-hand wall of the north corridor on the first floor. The paper stand is quite unique and elaborate, across the wall, above the stand is the word AMPLIFIER. The top is large and flat with a slot which is used to dispose of anything that will fit in it.

In the past, the stand was opened weekly by the staff in hopes of finding a trace of interest or participation on the part of others. The contents—dust and gum wrappers. It should go without saying that under such circumstances a paper called the Amplifier amplifies nothing but the thoughts and efforts of a few.

Therefore, the pitch is for both student and faculty participation in the school paper and the end result, a paper by and for the Montana School of Mines and a story of a paper stand which turned into a letter and suggestion box.

Frederickson Heads Geology Department

Dr. Arman Frederick Frederickson, a teacher, geochemist, and mining engineer, has been named chairman of the University of Pittsburgh department of geology.

Dr. Charles H. Poehl, vice chairman of the academic disciplines, has announced.

Dr. Frederickson has been research supervisor for the Pan-American Oil Company, Tulsa, Okla., and professor of geology at Washington University in St. Louis and has held teaching appointments at Montana School of Mines and Massachusetts Institute of Technology. During 1951-52 he served as a fullbright research assistant at the University of Oslo in Norway.

Dr. Frederickson received the Bachelor of Science degree from Montana School of Mines and the Doctor of Science degree from Massachusetts Institute of Technology.

The author of more than twenty scientific publications, Dr. Frederickson is chairman of the Clay Mineral Committee of the National Research Council.

Heard Around the Mines Campus...

President of Student Wives was announced as the person who had won the election last night. Ms. Conneill had been president for the past two years.

"Some of us can recall," she said, "but I'm very pleased to announce that it was for the first time.

"History student to politician: "Among the Athenians, it is said," he added, "there is one who was interested in principles and public problems."

The University of Washington, the Master of Science degree from Montana School of Mines and the Doctor of Science degree from Massachusetts Institute of Technology.

Professor William W. Chance is teaching the survey course in English literature, which covers English literary history and selections from the major English writers.

Principles of Economics meets with Professor Frank H. Kelly on Thursday evenings and deals with fundamental economic concepts such as business ownership, price determination, money and banking, and labor.

General Psychology meets on Monday and Thursday afternoons with Professor Dale R. Pickney as instructor. This course provides an introduction to the study and interpretation of human behavior.

Writing for Publications, under the supervision of the Publications Committee, meets Tuesday afternoons and Wednesday evenings to study writing and newspaper publishing techniques. This course concerns itself chiefly with the publication of the Amplifier.

In the technical fields the old monster Prerequisite races its ugly head. Those in the Electronics class, taught by Professor John McCalin, are required to have had a year of calculus and a year of college physics to make their way through the vacuum tubes and electronic circuits.

In the Smith teaches the course in mathematics as applied to geophysical problems, which he plans to do for those who already feel at home in calculus.

Courses in physics, mineralogy, and quantitative and quantitative density are the prerequisites for General Metallurgy, and Advanced Physical Metallurgy is a three-

Sophomore Class Officers. Left to right: Elvin Beardside, Ray Kotow, Jim Mazza.

Junior Class Officers. Left to right: Mike Keegan, Dave Greenberg, Frank Larvic.

Evening Classes Begin

Some of the greener hair and slower steps seen on campus may not be that of the old but, at all, merely to your fellow students of another generation who are attending both in afternoon or evening courses. These classes are scheduled for the convenience of the broad-winning set, but are open to regularly enrolled students.

Non-technical courses offering college credit include English Literature, Principles of Economics, Psychology, and Writing for Publications. The engineer, builder or caller, will find classes available in Electronics Engineering Applications of Mathematics, General Metallurgy and Advanced Physical Metalurgy.

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Dr. Fisk's Release

Dr. Fisk resides at 2820 Yale and is the father of two boys. His oldest son is a physics major taking graduate work at UCLA. His son, who is studying physics and working as an assistant in the mathematics department at the university, is the star of the state prison—striped toothpaste.

The Amplifier needs someone to sell ads to local businessmen. Interested persons are asked to contact Dr. W. E. Cox immediately!
A Message from the President

On behalf of the Faculty and Staff, I welcome you to Montana School of Mines. We are happy to have you with us.

Whether you are an engineering or a general student, each of you is an important member of our campus society. We want you on our team. We hope that you will belong, and that you will contribute in every possible way to the success of our school. This means being a productive student and doing well in your studies. It means taking an active part in student organizations, athletics, and social activities. It means doing these things in a spirit of friendliness and cooperation, with consideration for those in whose company you find yourself.

Montana School of Mines is known and respected in all parts of the world. This doesn't just happen. Graduates of our school are responsible, through their demonstration of excellent preparation and professional competence. Let each of us do everything he can to perpetuate this fine reputation and nothing to detract from it.

I hope you will find satisfaction and happiness in your life here, through both work and recreation, and I wish you the very best of luck. I am a great believer in luck, and I have found that the harder I work, the more of it I seem to have.
CARROLL CLOBBERS MINES 33-0

The Carroll College Saints displayed a terrific defense and a strong rushing offense in defeating the Montana School of Mines 33-6. The Saints gained 130 yards rushing and 20 yards passing while the Orediggers gained only 46 yards on the ground, surprising Carroll and appearing first in the tournament. The first six places were filled by Montana, Mines, Western, Carroll, and Mines third place. Munoz was the intercollegiate tennis champion at Kansas City, Missouri. Munoz Places Third

Mines Boasts 43 Gridders

This promises to be a good year for the School of Mines, with the finest team ever built for intercollegiate football. Coach Ed Simonich will be taking only thirty-three men on trips, but the others will probably see action in the two home games. Returning lettermen are seniors Don Rovig and Gary Kovak, juniors Pete Atkinson, Jerry Blaken, Cam Brown, Mike Mines, Mike Keegan, Ray Kotow, and Bill Todd, and sophomores Stan Bosch, John Burk, Roy Goldworthy, and Jim Mazza. Munoz Places Third

Geologists Take to Hills

The 1960 Geology Summer Field Camp was held in the western upper Gallatin valley of southwestern Montana. The camp was run in two sections, with Geology majors taking six weeks of field training during the last half of August and first part of September, while Petroleum and Mining Engineering majors received three weeks of training in September. The three main phases of study were the first section devoted to traversing stratigraphic sections. During the second phase of the program the students were assigned to small teams, and each team was given responsibility for the topographic and geologic mapping of a certain area by means of plane-table and stadia. The last phase of study was the most challenging, and consisted of mapping the geology of an assigned area of varied topography and structure, and compilation of the results into a coherent whole. For the last exercise two-man groups were used.

Getting ready for the big field trip to the hills, students are provided with all the equipment and supplies necessary for an extended period in the field. Each group has a Brunton pocket alidade, making a pace and compass map, apparatus for the preparation of stratigraphic sections, and detailed measurements of certain stratigraphic sections. During the second part of the program the students were assigned to small teams, each team was given responsibility for the topographic and geologic mapping of a certain area by means of plane-table and stadia. The last phase of study was the most challenging, and consisted of mapping the geology of an assigned area of varied topography and structure, and compilation of the results into a coherent whole. For the last exercise two-man groups were used.

During the first part of September some of the six-week students attended portions of the Billings field conference and the four-week students attended portions of the Billings geological society field conference. The regional geology and sedimentology presentations were made at the field conference by Dr. Stephen W. Nile and Prof. William Hall, both of the Montana School of Mines. The field day's trip was a visit to the geologic area affected by the 1959 earthquake. Side trips to examine the Kitchell Butte and Squaw Creek canyon provided additional study for the students. The geologic features of the eastern and western sections were covered.

Mines at Carroll

It is a good year Geologists Society's field conference was held in the western upper Gallatin valley of southwestern Montana. The camp was run in two sections, with Geology majors taking six weeks of field training during the last half of August and first part of September, while Petroleum and Mining Engineering majors received three weeks of training in September. During the second part of the program the students were assigned to small teams, each team was given responsibility for the topographic and geologic mapping of a certain area by means of plane-table and stadia. The last phase of study was the most challenging, and consisted of mapping the geology of an assigned area of varied topography and structure, and compilation of the results into a coherent whole. For the last exercise two-man groups were used.

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Hector McSpector

Here is a little reminder from your friend, Hector McSpector, the ever-energetic sportman: When in the forest this fall hunting big game be sure of your target. Safety is a must for all hunters. See ya next month with another safety tip.

Football Schedule 1960

<table>
<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 8</td>
<td>Mines at Carroll</td>
<td>Mines at Carroll</td>
</tr>
<tr>
<td>October 15</td>
<td>Northern at Mines</td>
<td>Mines at Carroll</td>
</tr>
<tr>
<td>October 22</td>
<td>Eastern at Mines</td>
<td>Mines at Carroll</td>
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<tr>
<td>October 29</td>
<td>Western at Mines</td>
<td>Mines at Carroll</td>
</tr>
<tr>
<td>November 5</td>
<td>November at Mines</td>
<td>Mines at Carroll</td>
</tr>
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</table>

Basketball Schedule 1960-61

<table>
<thead>
<tr>
<th>Date</th>
<th>Opponent</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 9-10</td>
<td>Northwest Community College at Mines</td>
<td>Mines at Carroll</td>
</tr>
<tr>
<td>December 14 and 17</td>
<td>Rochester at Mines</td>
<td>Mines at Carroll</td>
</tr>
<tr>
<td>January 6</td>
<td>Mines at Western</td>
<td>Mines at Western</td>
</tr>
<tr>
<td>January 14</td>
<td>Northern at Mines</td>
<td>Mines at Western</td>
</tr>
<tr>
<td>January 20</td>
<td>Mines at Northern</td>
<td>Mines at Western</td>
</tr>
<tr>
<td>January 25</td>
<td>Mines at Carroll</td>
<td>Mines at Western</td>
</tr>
<tr>
<td>February 3</td>
<td>Eastern at Mines</td>
<td>Mines at Western</td>
</tr>
<tr>
<td>February 10</td>
<td>Mines at Eastern</td>
<td>Mines at Western</td>
</tr>
<tr>
<td>February 17</td>
<td>Rocky Mountain</td>
<td>Mines at Western</td>
</tr>
<tr>
<td>February 24</td>
<td>Carroll at Mines</td>
<td>Mines at Western</td>
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