

Military Science

Major William F. Hartman

Major Hartman is an Assistant Professor of Military Science and Tactics.



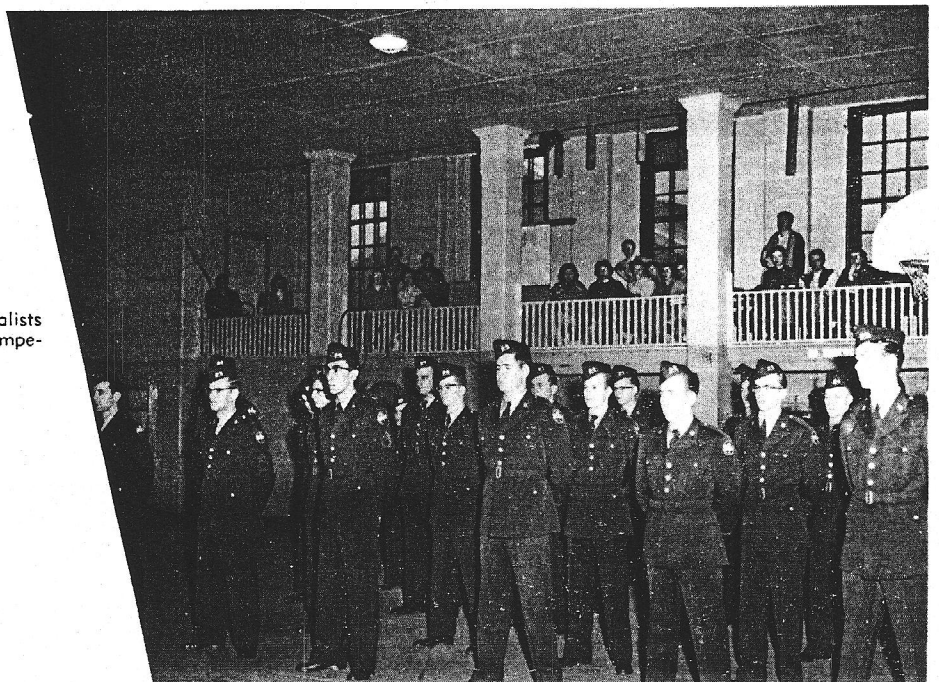
The program of instruction prescribed by the Department of Army for Senior Division ROTC is divided into the Basic Course for Freshmen and Sophomores and the Advanced Course for Juniors and Seniors.

The students for the Advanced Course are selected on the general qualifications of the student, i.e. personality, bearing, appearance, leadership ability, and character; the student's academic record, a consolidated rating from all department instructors, and previous military record.



The ROTC Band is shown in action.

Here are pictured the finalists for the individual cadet competition.





Dr. Ivar Skarland

Dr. Skarland is Professor and Head of the Anthropology Department. Skarland is also the Director of the University Museum.



The University Museum is always interesting to students of Anthropology.

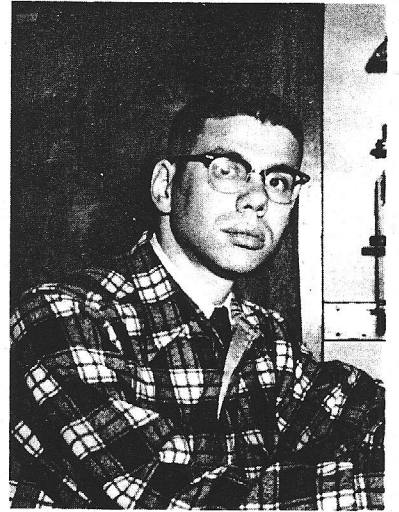


Department

The Department of Anthropology offers courses of instruction and opportunity for research. The study of the material remains of past cultures and civilizations, carried on as archeological research, leads to information regarding origins and distributions of peoples and cultures.

Anthropology

The major advantage the anthropology department at the University of Alaska holds over other colleges is its proximity to prehistoric and present native cultures.



Dr. Gordon H. Marsh

Dr. Marsh is an Assistant Professor of Anthropology.

Dr. James W. VanStone

Dr. VanStone is an Associate Professor of Anthropology.



Jack Burton studies the features of one of the many skulls surrounding him.

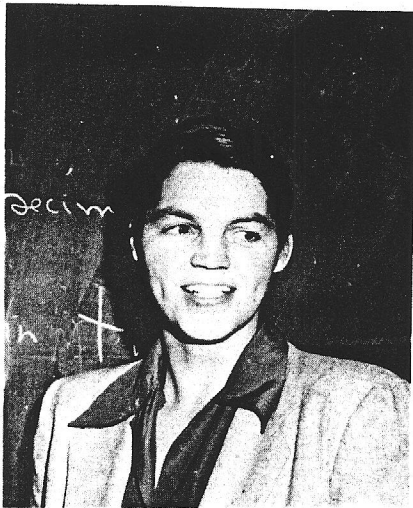
Department of



Mrs. Druska C. Schaible

Mrs. Schaible is Professor and Head of the Biological Science Department.

The curriculum in Biological Science is designed to give the student a broad education as well as a sound foundation in the basic principles of biology.

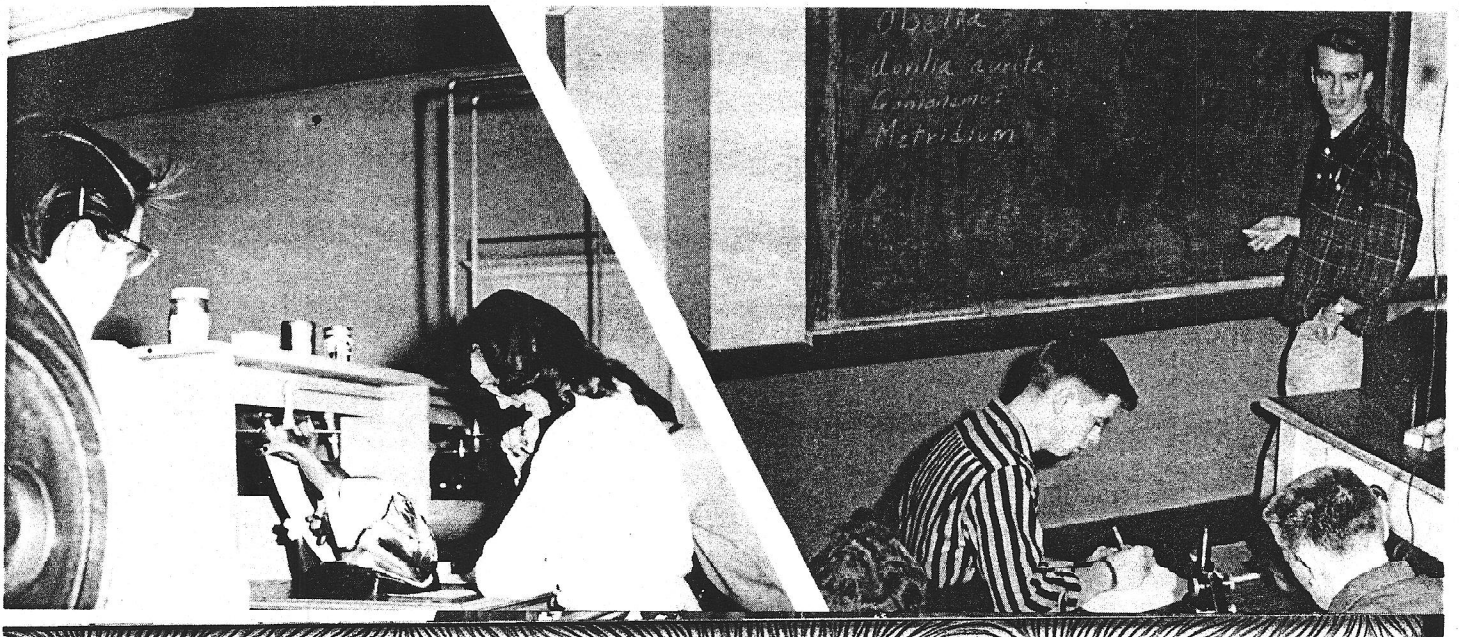


Dr. Brina Kessel

Dr. Kessel is an Associate Professor of Biological Science.

Lower left: Many models of the various organs in the animal kingdom are used in Biological Science.

Lower right: An advanced student lectures to a lower division class.

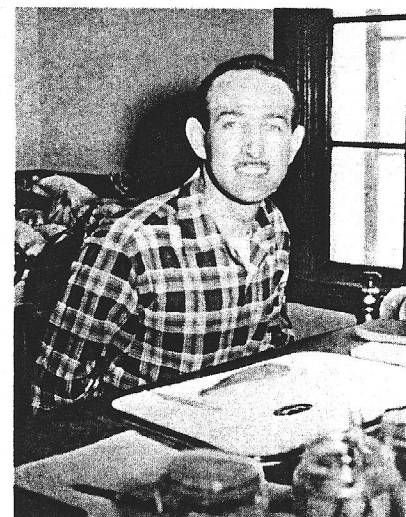
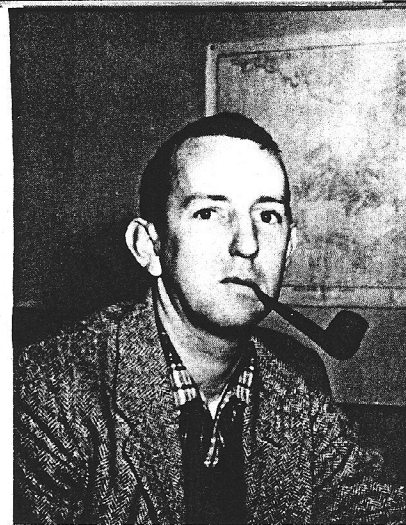


Biological Science

Candidates for this degree may select the option in Vertebrate Zoology or Pre-Medicine. The option of Pre-Medicine will prepare students for entrance to schools of medicine; adjustments may be made to meet varying requirements.

Mr. Albert W. Johnson

Mr. Johnson is an instructor in Botany.



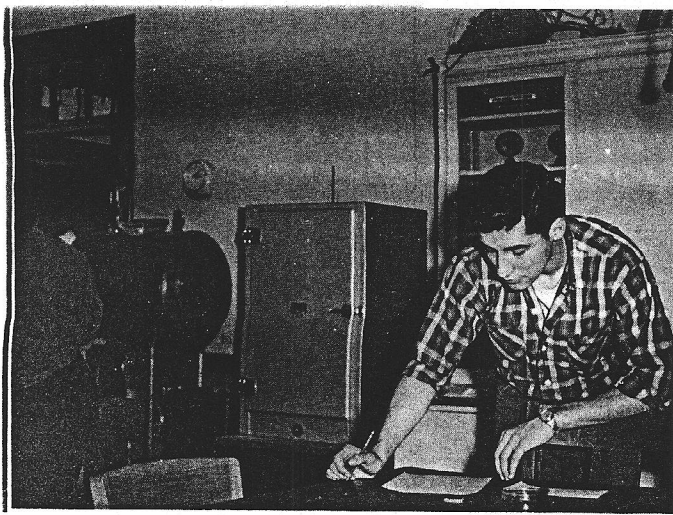
Cutting up animals is one thing that all Biological Science students have to do sooner or later.

Mr. Johnson gives a helping hand to one of his Botany students.



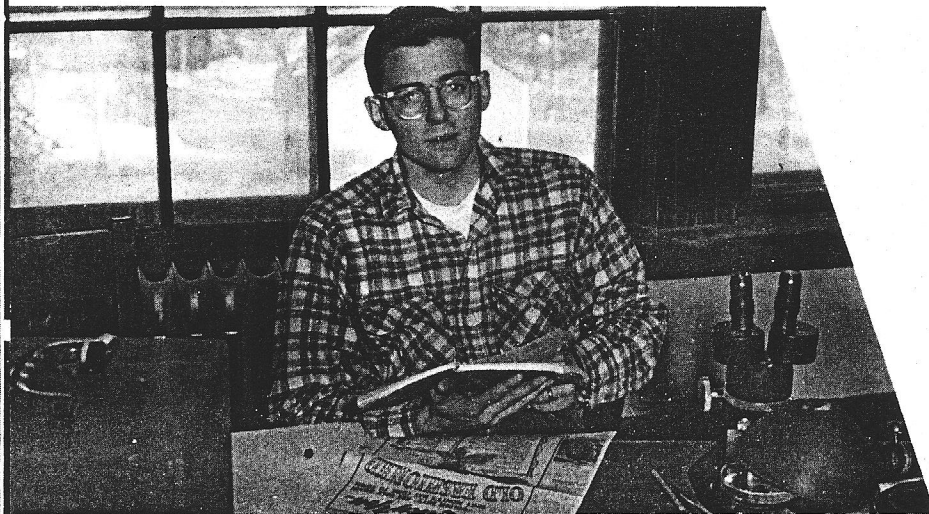
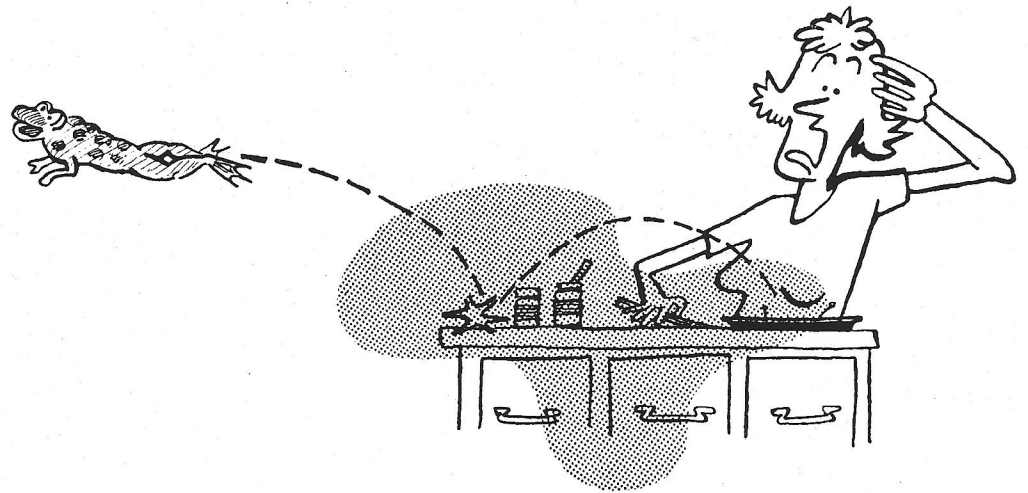
You name it and we have it. Model organs prove very useful to the Biological students.





A Botany student takes a careful look at the data he has taken during the lab.

Biological Science



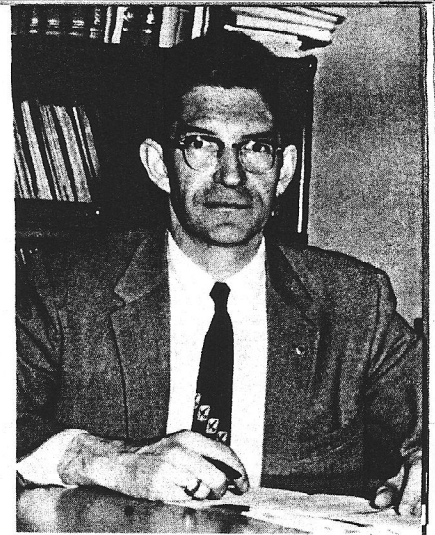
Earl Kantner is searching for the identification of the leaf just below his right hand.



Last minute preparations are made before a test.

Agriculture

The four-year course is designed to provide a liberal education in preparation for farming or business related to agriculture, and to foster a spirit of service to society. It is intended for students who expect to become farmers, teachers, or extension workers. The department maintains a large experimental station on campus and at Palmer, Alaska.



Mr. Arthur S. Buswell

Mr. Buswell is an Associate Professor and head of the Agriculture Department.

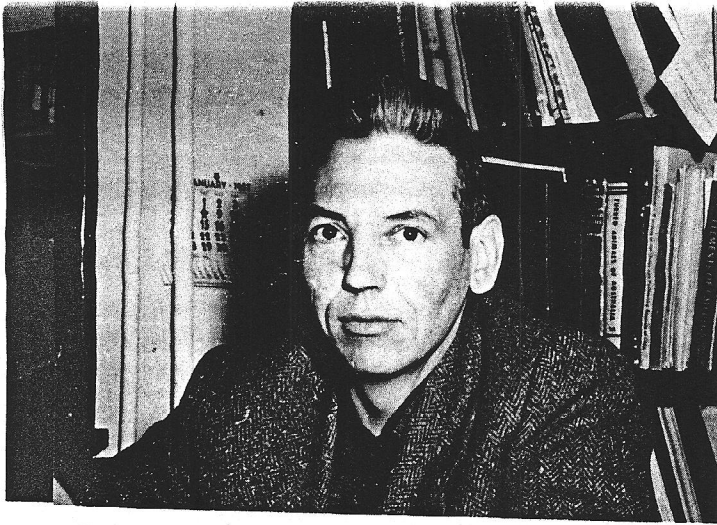
Mr. Harold R. Black

Mr. Black is an Assistant Professor of Agriculture.



The College Agriculture Farm as seen from the Chena Road.





Mr. Frederick C. Dean

Mr. Dean is Assistant Professor in Wildlife Management.

Department

The geographic location of the University is ideal for the study of wildlife. Spruce forests, aspen-birch forests, alpine tundra bogs, and several types of aquatic habitats are within easy reach of the student. Studies can be made in many other habitats ranging from the dense forests of South-eastern Alaska to the Arctic Coast.



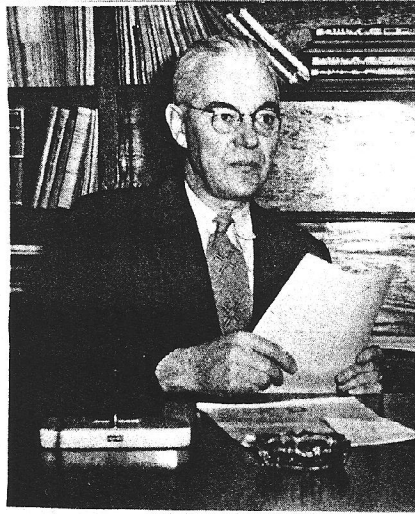
Instructor giving a few last minute tips to students.



Students enjoy looking over the wide selection of bird life found in the Wildlife Department.

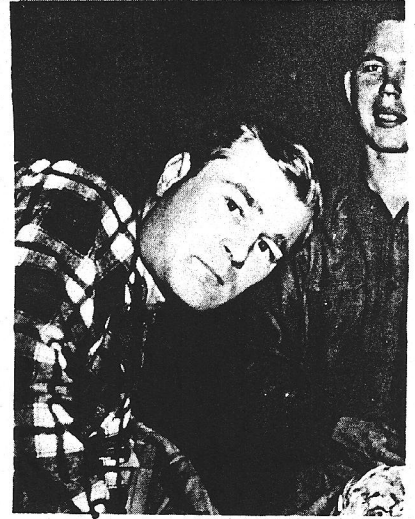
Wildlife

The aim of Wildlife Management curriculum is to provide a broad basic training for students planning to enter the management, law enforcement, or public information and education phases of wildlife work.



Dr. N. W. Hosley

Dr. Hosley is a Professor of Wildlife Management.



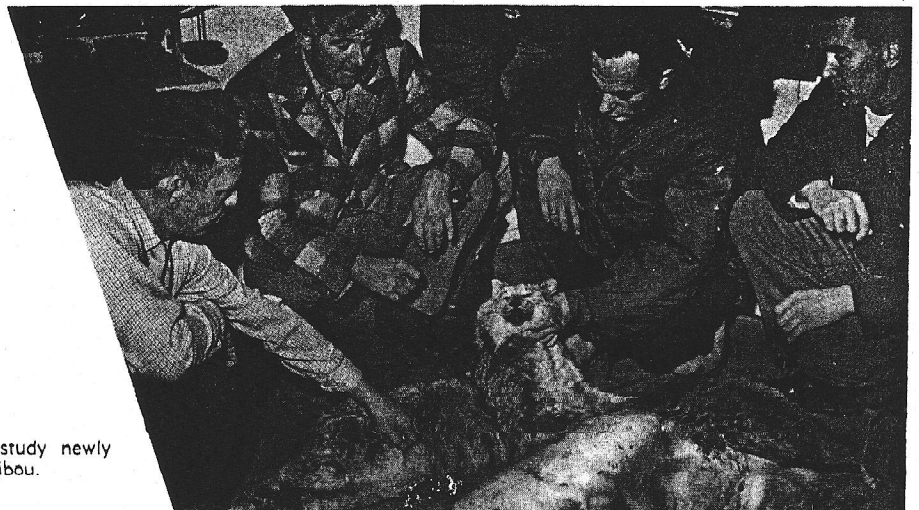
Mr. Frederick C. Dean

Mr. Dean is an Assistant Professor of Wildlife Management.

Two students examine a recent specimen from near-by area.



A group of students study newly arrived lynx and caribou.

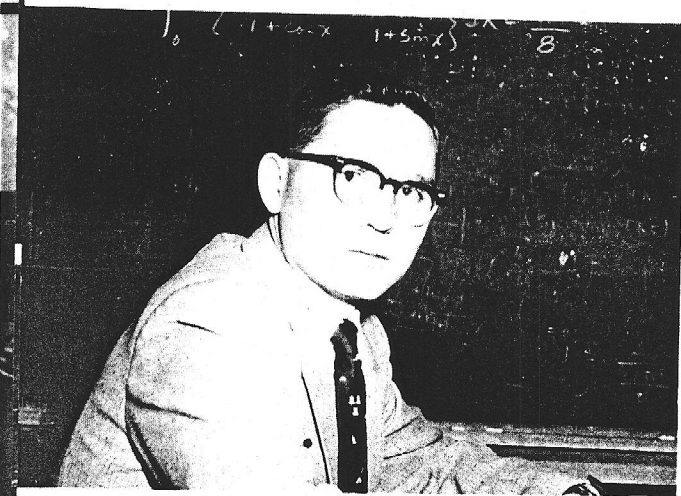




Mr. Verne E. Roberts
Mr. Roberts heads the Department of Mathematics.

Department of Mathematic

Mathematics is a valuable tool in all fields of science and technology. In the classroom constant emphasis is placed upon the development of careful, systematic, and practical methods of computation. Rudimentary operations are standardized so as to permit freedom in the analysis of problems.



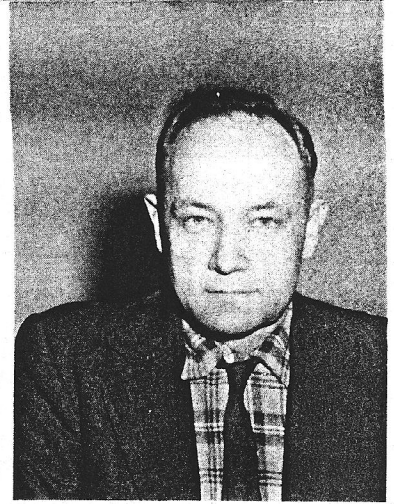
Mr. John Distad
Mr. Distad is an instructor in Mathematics.

Dr. William S. Kimball
Dr. Kimball, lower left, is an Associate Professor of Mathematics.

Mr. Bob Gray
Mr. Gray is an instructor in Mathematics.

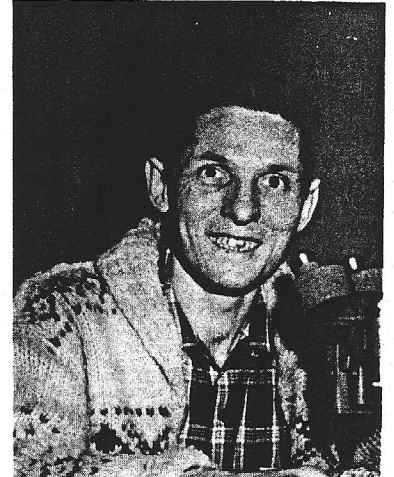


Geology



Unlike more populated areas, Alaska has not as yet received detailed geologic study. Challenging problems in such fields as glaciation, volcanism, stratigraphy, geomorphology, ore deposition, perma frost, etc. are to be found within the territory. Basic principles of geology can be observed on numerous field trips around Fairbanks.

In preparing to enter the field of geology, a student must have adequate training in other closely allied fields, such as physics, chemistry, math and biology. The curriculum has been set up to provide a maximum of electives so the student may specialize in his field of interest.



Mr. Ernest N. Wolff

Mr. Wolff is an Assistant Professor of Mining.

Mr. Stanislaw J. Poborski

Mr. Poborski, upper right, is an Assistant Professor of Geology.

Mr. Harry B. Groom, Jr.

Mr. Groom, lower right, is an Assistant Professor of Geology.



"Popocatepetl" Volcano was constructed to demonstrate cinder cone operation at the 1956 Open House.



Department of Physics



Dr. Victor Hessler

Dr. Hessler is Professor and head of the Department of Physics and Electrical Engineering.

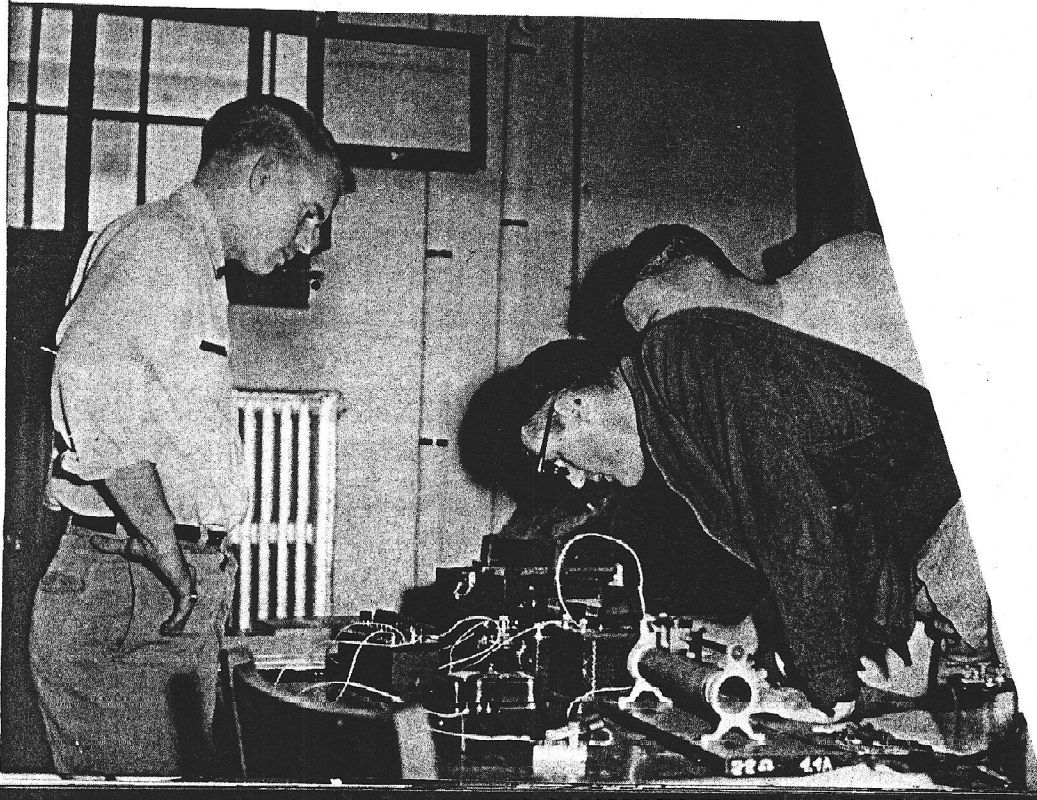


Dr. Alfred Bork

Dr. Bork is an Associate Professor of Physics.

The curriculum in physics provides the background of basic subjects needed to assume present day positions in teaching and research. Contacts with the different branches of physics are made both in theory and in the laboratory.

The department offers work toward the degrees of Master of Science and Doctor of Philosophy.



Electrical Engineering lab
in process.

Electrical Engineering



Mr. Roland A. Jalbert

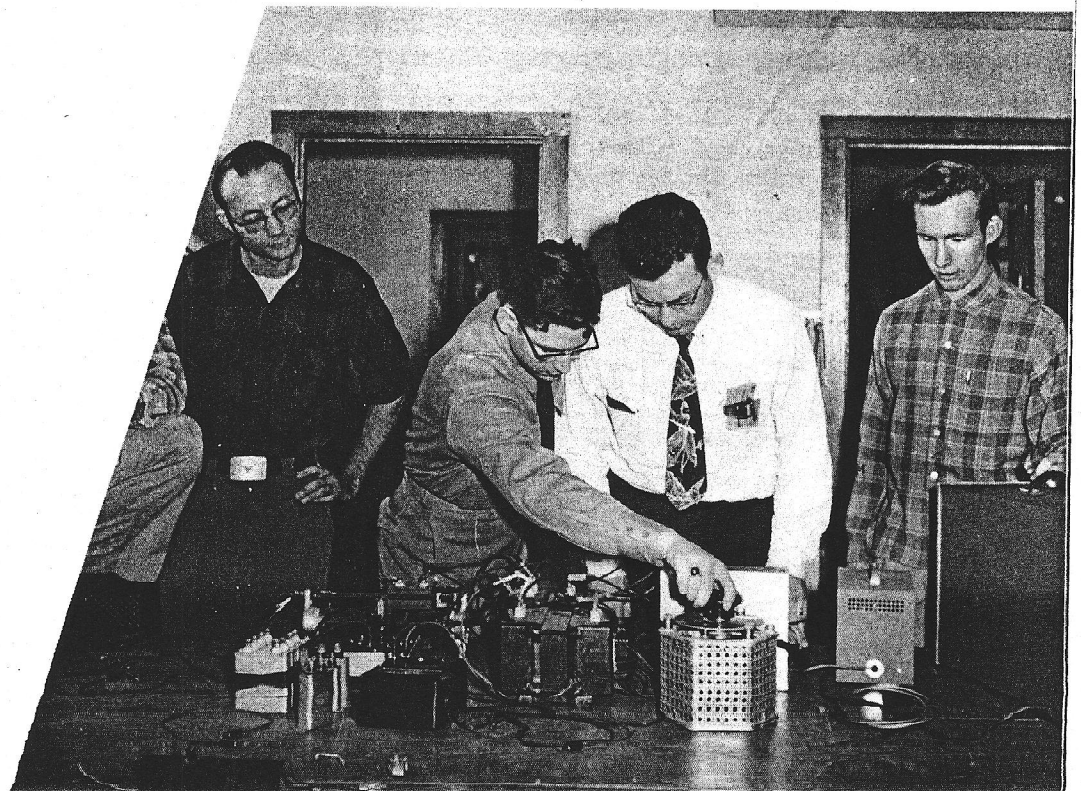
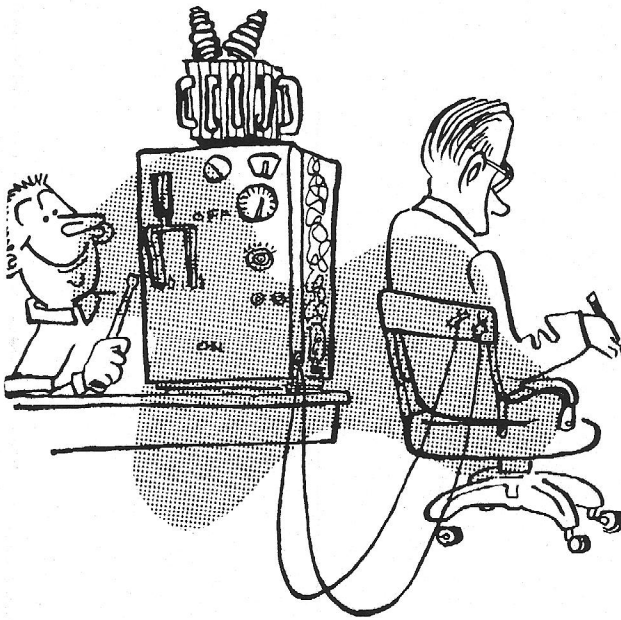
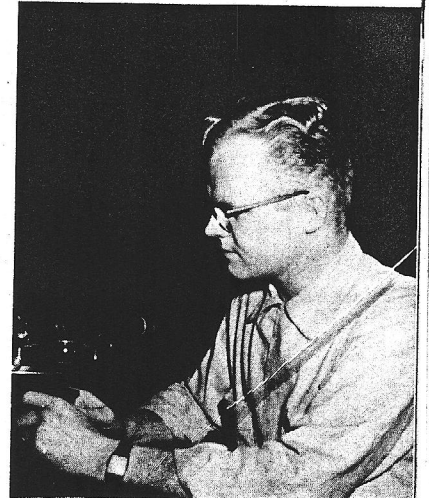
Mr. Jalbert is an Assistant Professor of Physics.

Mr. William E. Holman

Mr. Holman is an Instructor in Physics.

Mr. Phillip R. Brieske

Mr. Brieske is an Instructor in Physics.



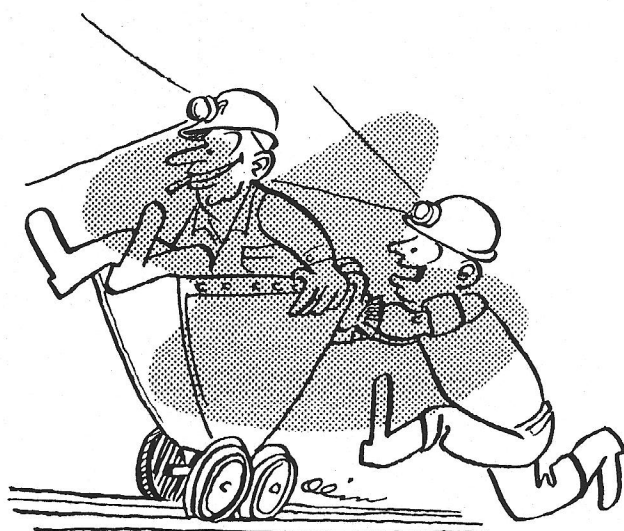
Students receiving instruction in the Electrical Engineering Lab.

School



Dean Earl H. Beistline

Dean Beistline is the Dean of the School of Mines.



Upper left:

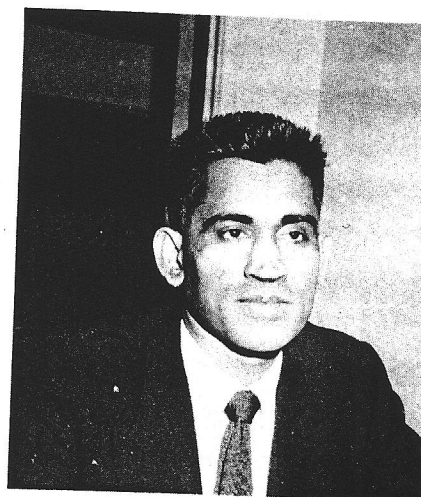
Dr. Nalin R. Mukherjee

Dr. Mukherjee is a Professor of Metallurgy.

Upper right:

Dr. Troy L. Pewe

Dr. Pewe is an Associate Professor of Geology.



This student is down in the mine shaft doing some surveying.



Mines

The Brooks Memorial Mines Building houses well-equipped, modern, mining, geological and metallurgical laboratories. These facilities are used for both basic and applied research. Also located on the U. of A. campus is a mine tunnel which provides students with practical experience in drilling, blasting, and timbering.

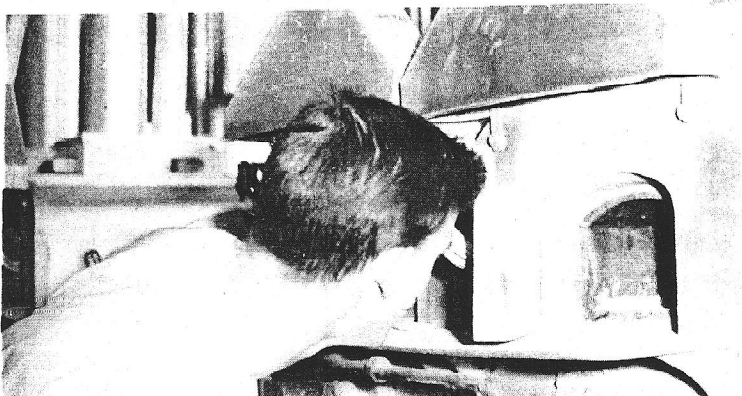


Mr. John R. Hoskins

Mr. Hoskins is an Assistant Professor of Mining.

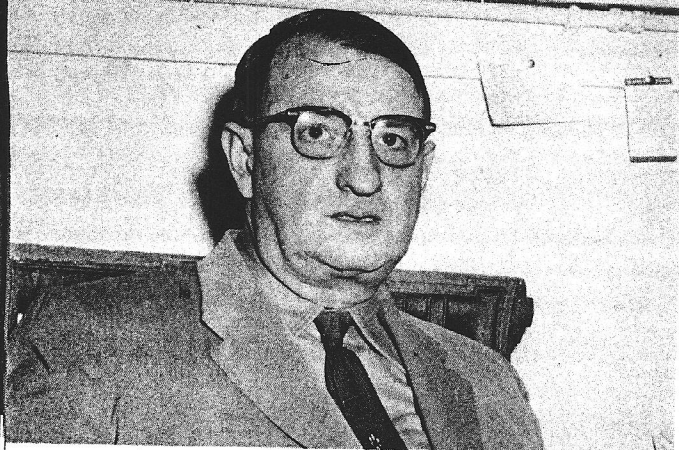


This student is down in the mine that is located below the campus.



Charlie Merrill is sneaking a peek. (Is it done yet Charlie?)

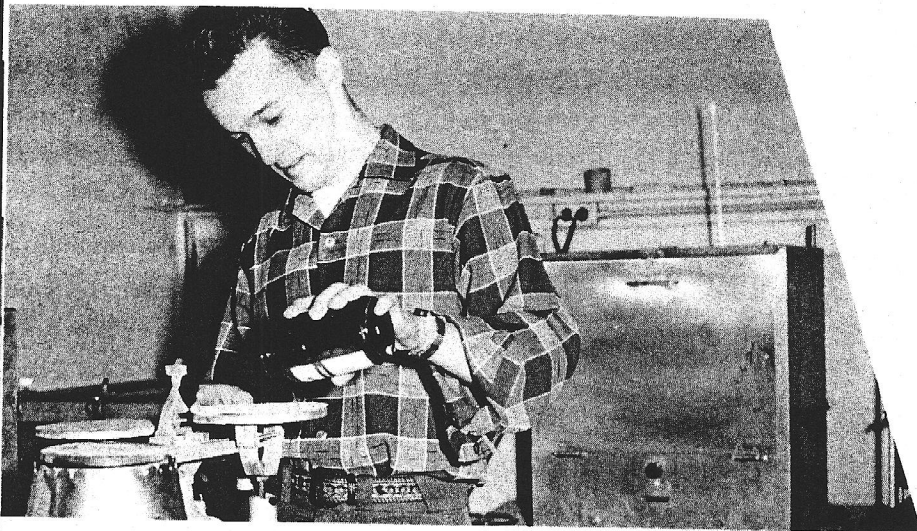
Department



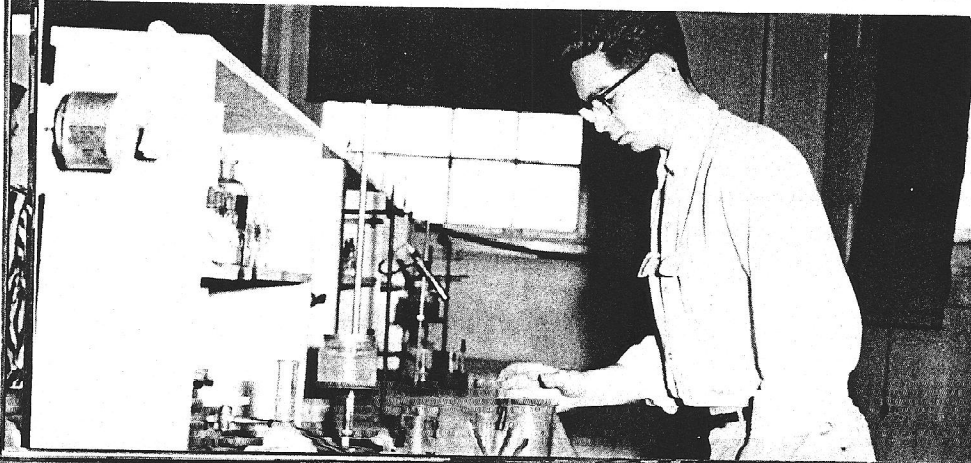
Dr. William S. Wilson

Dr. Wilson is Professor and head of the Department of Chemistry.

The curriculum in chemistry offers an opportunity for broad scientific study. All students specializing in chemistry must meet basic requirements in general inorganic, analytical, organic and physical chemistry, as well as math and physics.



Cosgrave is weighing out some chemicals for his lab experiment.



Ralph McLean is testing for an unknown.

Chemistry

These will be supplemented by advanced courses in chemistry, engineering, math, physics, geology, metallurgy, geophysics, and biology, according to the individuals interest. The University also offers graduate work in the chemistry department.

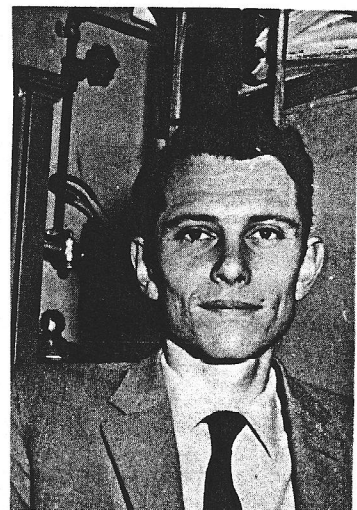
Dr. Nalin R. Mukherjee

Dr. Mukherjee is an Associate Professor of Chemical Engineering.

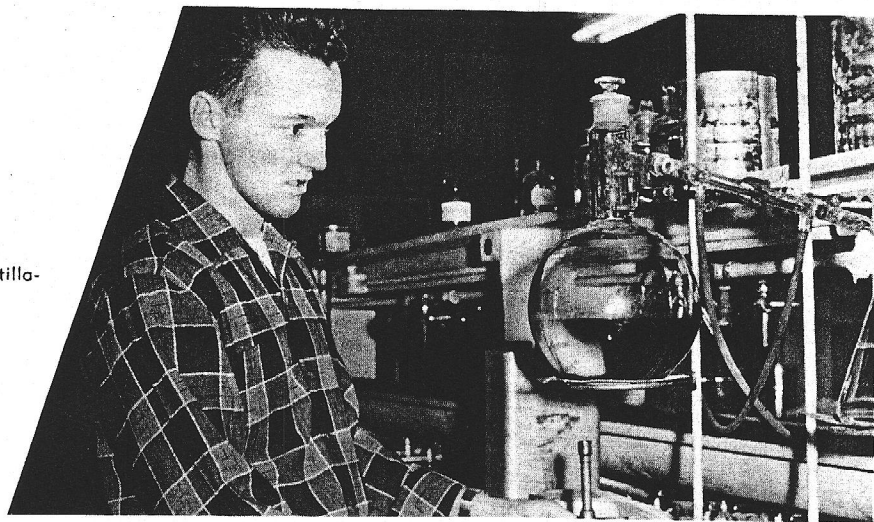


Mr. Charles T. Genaux

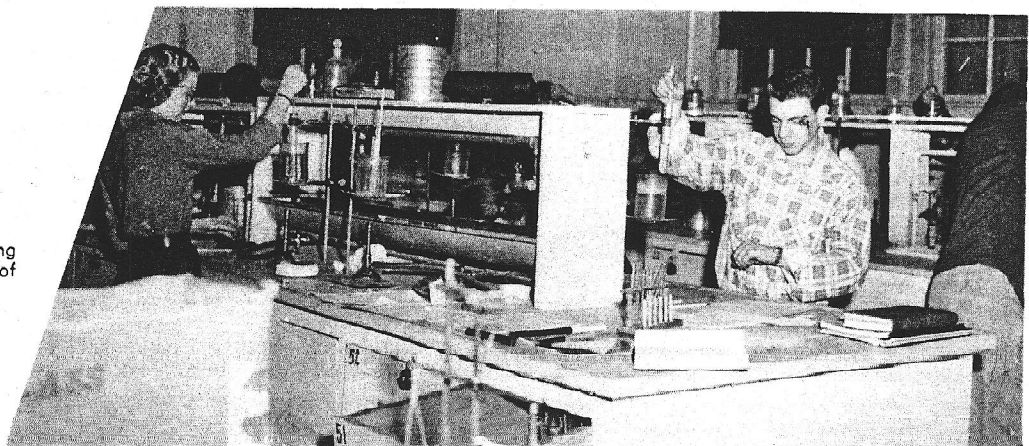
Mr. Genaux is an Assistant Professor of Chemistry.



Cosgrave is performing a distillation experiment.



This student is determining the freezing point lowering of Naphthaline.



Department of



Mr. Charles Sargent

Mr. Sargent is Professor and head of the Civil Engineering Department.

The first two years of the curricula in Civil Engineering are designed to meet the general needs of students entering any of the various branches of engineering.

Civil Engineering embraces a wide range of professional work having reference to the design and construction of works necessary to civilization.

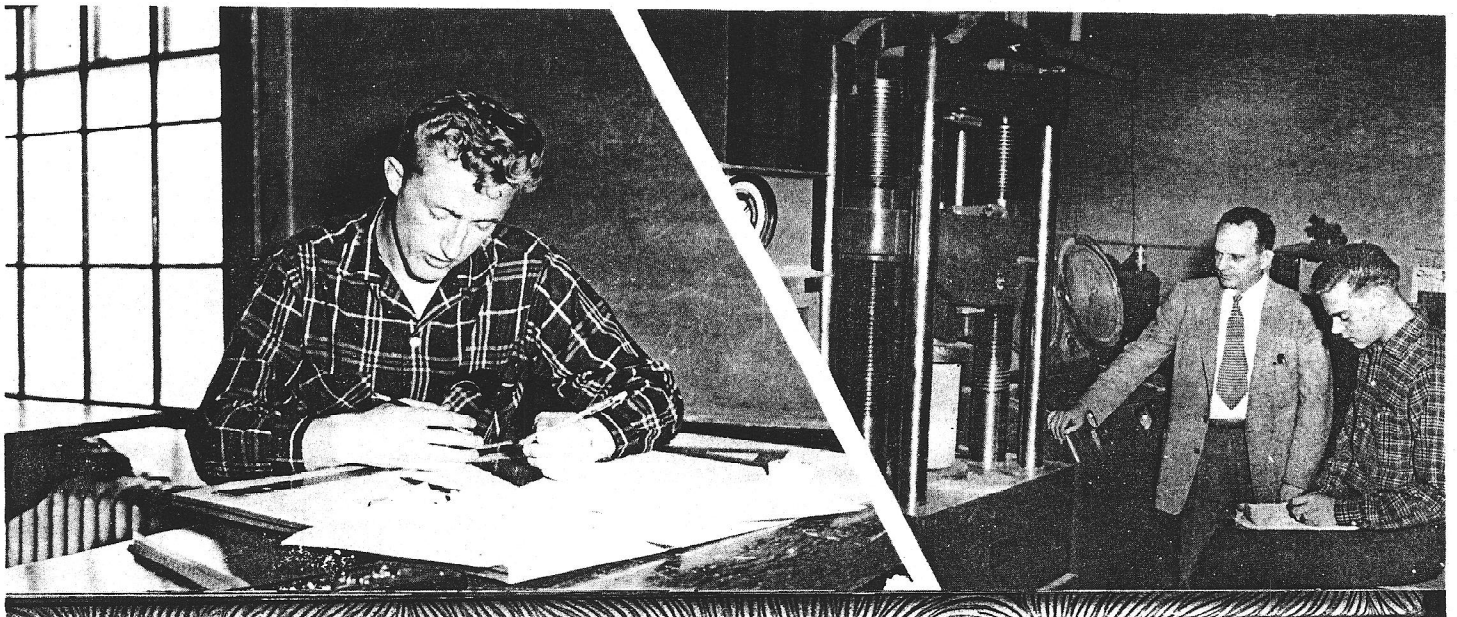


Dr. E. F. Rice

Dr. Rice is an Associate Professor of Civil Engineering.

LOWER LEFT: Engineering Drawing is a must for all.

LOWER RIGHT: This student is noting the strength of the concrete sample located in the pressing machine.

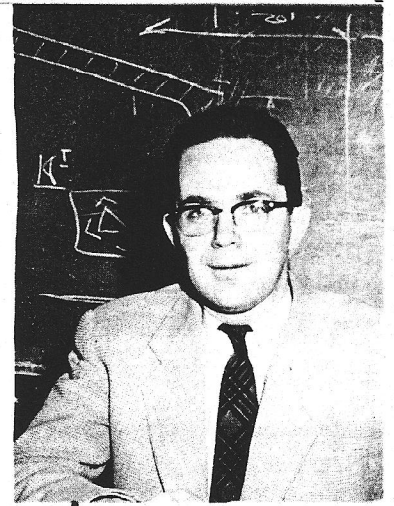


Civil Engineering

These include bridges, building, dams, and harbor facilities; hydraulic water supply and sewage disposal works; water power, irrigation and drainage; air, water, highway, and railway transportation; construction engineering and management; land, route, topographic, and geodetic surveys.

This phase of Engineering is a little warmer but not any easier.

It's cold outside but surveying students must finish their lab.



Mr. William W. Mendenhall

Mr. Mendenhall is an instructor in Civil Engineering.

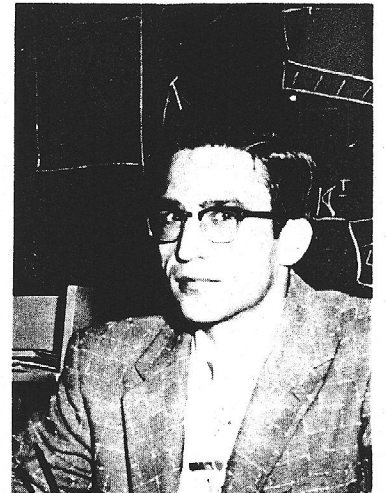
Mr. George Knight

Mr. Knight is an instructor in Civil Engineering.



Mr. Harold R. Peyton

Mr. Peyton is an instructor in Civil Engineering.



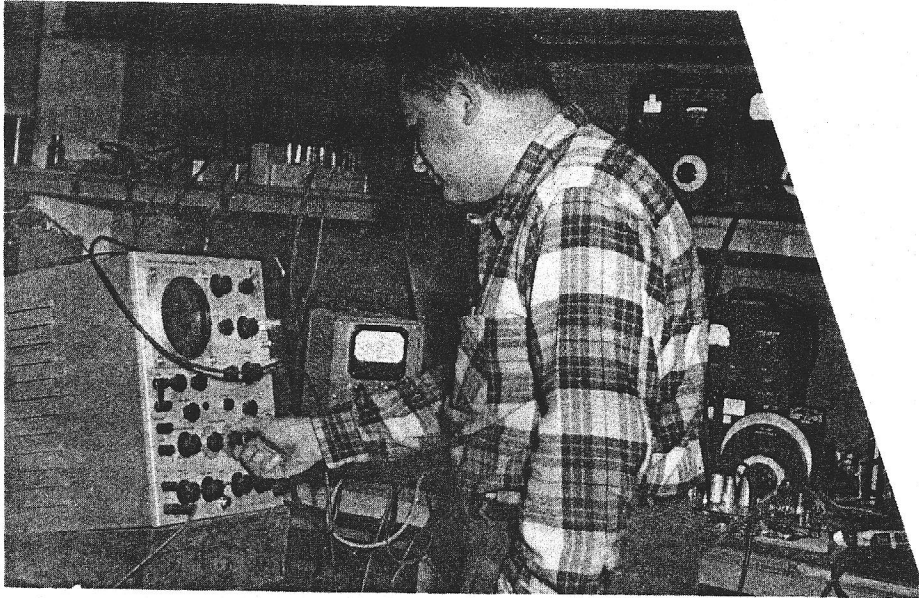


Dr. C. T. Elvey

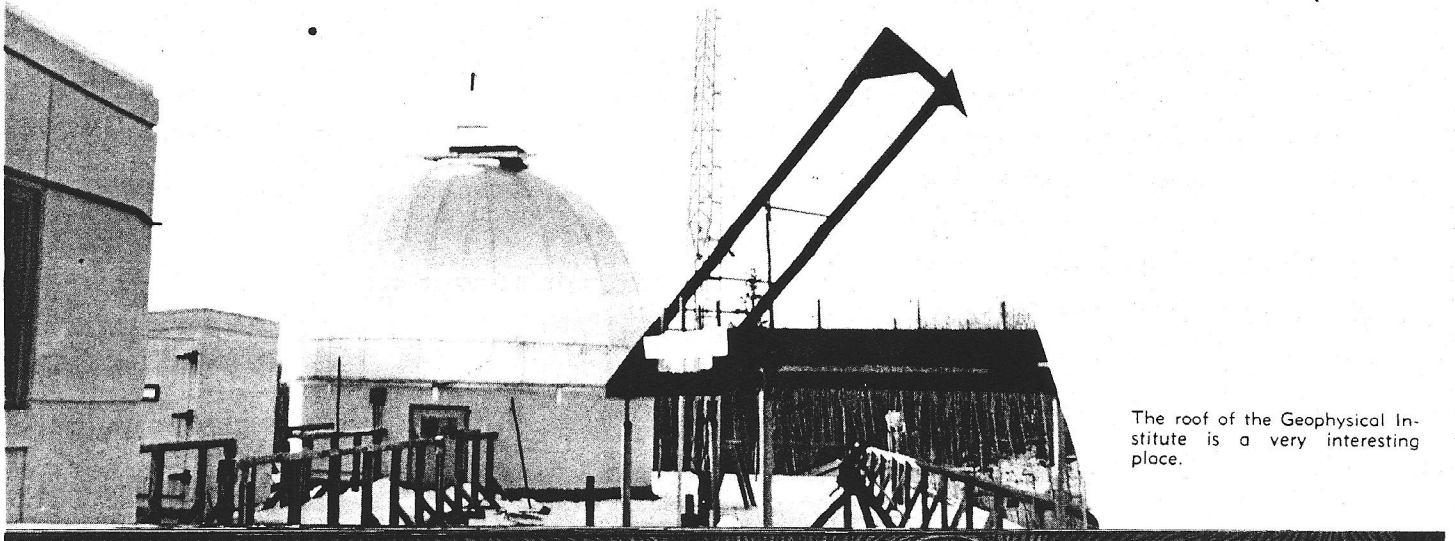
Dr. Elvey is Director of Geophysical Institute.

Geophysics

The curriculum in Geophysics is the same as that for Physics, except that the candidate must take as electives Geology 201 and 202 during the second or third years, General Geophysics 301 and 302, and Practical Geophysical methods 461 during the third and fourth years. This is because the basic requirements of a geophysicist are essentially those of a physicist.



The Geophysical Institute must keep their precision machines in top condition.



The roof of the Geophysical Institute is a very interesting place.



Dr. Gordon Little

Dr. Little is an Assistant Director of Geophysical Institute.



Dr. Masahisa Sugiura

Dr. Sugiura is an instructor in Geophysics.



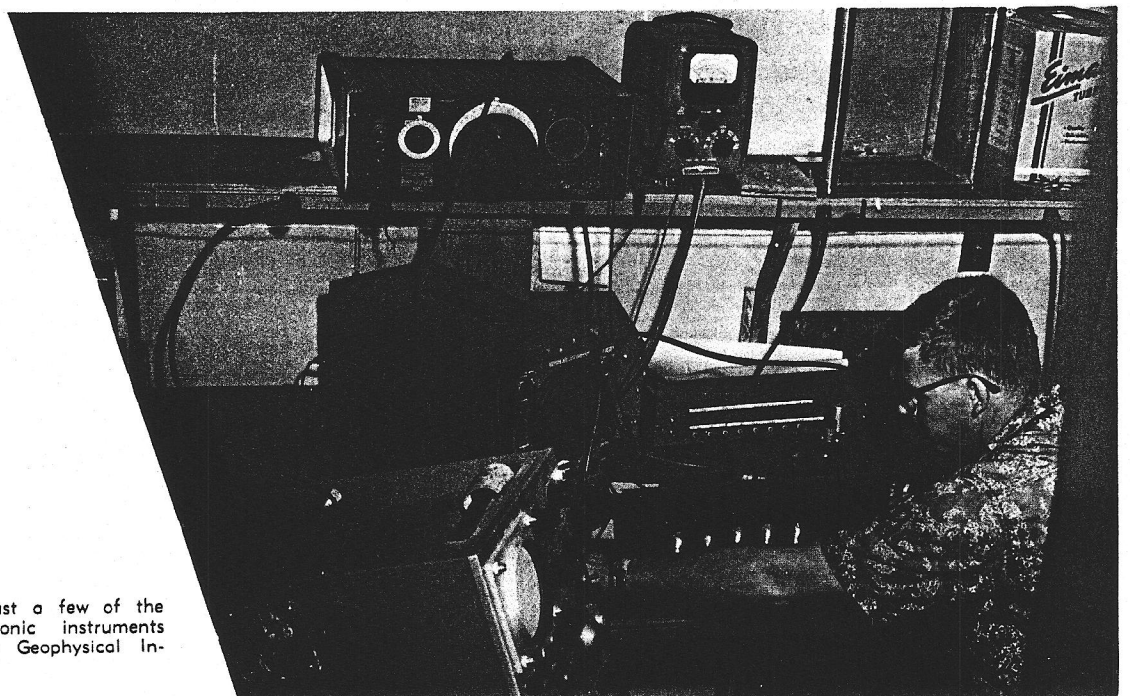
Mr. W. B. Murcroy

Mr. Murcroy is an instructor in Geophysics.



The purpose of the Geophysical Institute is to advance knowledge in the broad field of physics of the earth, and to emphasize geophysics as it is related to the arctic.

The Institute was formally established on July 1, 1949, as a department of the University of Alaska.



These are just a few of the many electronic instruments used at the Geophysical Institute.