

ROTC REGIMENTAL REPORT

Geophysics Labs Assured

Revised ROTC Course In Curriculum

Military Training Uses Lessons From War

Starting with the opening of the first semester of this year the University of Alaska will again include ROTC Infantry training in the curriculum for male students of the Freshman and Junior classes. Under regulations of the University, enrollment in the elementary course of ROTC is compulsory for all male students entering the University for the first time who are citizens of the United States, under 26 years of age, physically qualified and without previous military military training. Likewise, this subject will be compulsory during the Sophomore year starting with September 1947. Enrollment in ROTC is elective for the third and fourth year students. The student of these students permitted to take the advanced training is set up on a quota (by selection) by the ROTC. Students completing military training are given credit for graduation of 1½ credits for the first year, 1½ credits for the second year, 1 credit for the third and 3 credits for the fourth year. Those successfully completing the entire military course, including attendance at a summer camp after the Junior year, are eligible for commission as Lieutenants of the Reserve, U. S. Army.

Students having served in the Armed Forces of the United States, Germany, France, Italy, Japan, U. S. Army, Navy, Marine Corps, or Coast Guard, enrolling in the ROTC will receive credit for completion of ROTC courses as follows:

Five days in Armed Forces of the United States: Credit for ROTC training 1—Six months or more Two years 1—Six months but less than one year One year 1—Less than six months None

New Emphasis

The course of instruction for ROTC has been revised considerably to take advantage of the lessons learned in World War II and to utilize many of the new weapons developed in the past few years. Considerable emphasis will be placed on the world military situation today, ecological foundations of national power, and tactical employment of the several and combined arms. The course is designed to give a broad basic background in aspects of military fundamentals and prepare students for positions of leadership in time of National Emergency. Less time will be devoted to classical military subjects. Subjects included in the first year are: World Military Situation, Military Organization, Hygiene and Aesthetics, First Aid, Leadership Drill and Drill, and Drill. The second year includes: Weapons and Marksmanship, Maps and Aerial Photography, and Orientation. The third year includes: Military Methods, Maps and Aerial Photography, Military Administration, and Evolution of Warfare. In the Junior year, over half of the time is spent on Tactics and (Continued on Page Six)

President Truman Signs Bill

Establishment of a geophysical institute at the University of Alaska is now definitely assured. Final action on Delegate Bartlett's bill H.R. 6846 was completed on July 31 when President Truman signed the bill.

In signing the bill the President used a special pen which, during his recent visit in Fairbanks, Delegate Bartlett delivered to Mrs. Luther C. Hess, secretary of the Board of Regents of the University.

Delegate Bartlett spent the evening of August 30th on the University campus and in conference with President Bunnell.

Grant For Research Received

The University of Alaska has received from the Research Corporation a special grant-in-aid of \$250,000 to support for one year a research project on the analysis of gases by electron scattering and ionization. This grant is a portion of several million dollars to be expended on post-war research by the Research Corporation, a private philanthropic organization, during the next five years. A total of \$175,000 had already been awarded this spring to a number of major universities.

The research will be conducted by Dr. S. Stewart West, assistant professor of physics, and the maintenance of the funds authorized by President Bunnell. The project is the outgrowth of research made by Dr. West three years ago with the Standard Oil and Gas Company of Tulsa, Oklahoma, on the analysis mixtures of hydrocarbon gases by means of the mass-spectrometer and of experiments on the scattering of electrons which he performed in 1934-36 at Washington University in St. Louis. Because immediate commercial application did not seem likely, the Standard Oil company did not wish to support the investigation, which therefore had to be undertaken, if at all, by some public institution such as the University of Alaska.

The basis of the analysis of gases by means of electron scattering is the fact that every gas behaves differently at low pressure under the action of a beam of electrons. When collides with the molecules of the gas and bounce off in various directions. A sensitive measuring instrument can detect the resulting electron current in a certain direction, and the strength of this scattering is dependent on angle of scattering, energy of electrons, pressure of gas, and kind of gas. By measuring the scattered current under as many different conditions as there are kinds of gas in the mixture, one can set up simultaneous algebraic equations, whose solution will give the concentrations of the component gases. If desired, the concentrations can be solved for and recorded automatically.

The apparatus used for such measurements consists chiefly of a vacuum chamber with mechanical fore-pump and oil diffusion-pump, will give the concentrations of a source of direct current with vol-

University Calendar

1946-47

First Semester
General Faculty Meeting Monday, 9 a. m., Sept. 16
Dormitory Rooms Ready for Occupancy Sunday, Sept. 15
Student Advisers' Day Monday, Sept. 16
Registration Tuesday, Sept. 17
Instruction Begins Wednesday, Sept. 18
Last Day for Making Up Incompletes Saturday, Nov. 2
Thanksgiving Vacation Thursday, Nov. 21
Christmas Vacation Begins at Noon Saturday, Dec. 21
Classes Resume Friday, Dec. 27
New Year's Vacation Saturday, Jan. 1
Semester Examinations Monday-Thursday, Jan. 13-16
Mining Short Course Registration Monday, Nov. 4 (Instruction begins November 4, Classes end January 4, 1947)
Second Semester
Registration Friday, Jan. 17
Instruction Begins Monday, March 2
Last Day for Making Up Incompletes Monday, March 2
Semester Examinations Tuesday-Friday, May 13-16
General Faculty Meeting Saturday, May 17
Commencement Monday, May 19

U.S. Director Sees Extension Service Here

The Extension Service of the United States was visited during the month of August by Mr. M. L. Wilson, Director of the Extension Service of the U. S. Department of Agriculture. This is the first time since the Extension Service was organized in 1909 that the Director from the Federal office has visited Alaska. While at the University, Director Wilson examined the books, records, projects, and reports of the Extension office, and held a number of conferences with Dr. Charles E. Bunnell, President of the University, Louis T. Olney, Director of the Extension Service, and Mrs. Lydia Pohn-Hansen, Home Demonstration Leader. At these conferences plans and projects concerning pertaining to Extension work in Alaska and covering agriculture, home-making, and boys and girls 4-H club work.

Mr. Wilson took some time to describe the recent trends and developments in Extension Service in the States and Territories and the probable expansion in Extension work due to the passage of the Bankhead-Packman Act in 1944. Prior to that time many plans had been prepared by various groups to secure funds for expanding 4-H Club activities to provide better education in nutrition and housing, but the war caused these plans to be shelved temporarily.

Bill Explained

The Bankhead-Packman Bill revived the issues and Congress passed the act making \$125,000,000 available to the Extension Service in the States. Alaska was not included. The Land-Grant college committee working on general policies laid down two principles—first, that Extension Service is educational and to expand the 4-H projects and workers carry a working load of not more than 250 families.

The effect of the additional funds, matched by State funds, will be to expand the 4-H projects and increase the number of home demonstration agents and 4-H Club leaders in counties where they do not have the service of agents. (Continued on Page Eight)

Registration Date Set Monday, Sept. 16; Classes To Open Following Wednesday

Veterans Administration Representative Will Assist Students Under GI Bill

Sec. Krug Inspects University

Visit To College First On Interior Itinerary

First on the list of visits of Secretary of the Interior, Julius A. Krug upon his visit to interior Alaska, was a trip to the University and its agricultural experiment station.

Upon arrival at the Ekron Building at 3:45 p. m. on August 12, Secretary Krug, his party, and a considerable number of Fairbanks residents, including Mr. Andrew Newland, President of the Board of Regents of the University, were greeted by President Bunnell, Dean Duhis Research, and the University Secretary. The secretary and his party joined by others went at once to the Music Room where President Bunnell, at the request of the Secretary, gave a brief account of the progress of the Institution since its first opened September 18, 1922. He paid particular attention to the several research projects undertaken since the start of the survey began in 1939, second polar year expedition located on the campus in 1933, paleontological research in near-by placing mining areas, archaeological research on St. Lawrence Island, dendrochronology, and finally by the cooperative research with the Carnegie Institution, Department of Geographical Magnetism undertaken at the request of the Army, Navy, and Coast and Geodetic Survey, which was in operation about six months before Pearl Harbor.

Dean Duhis Research, President Bunnell explained, had for his objective the study of solar-terrestrial relationships and related phenomena. He stated it had been of special service during World War II and was continuing under a contract with the Bureau of Standards which succeeded on June 30, to operation by the Carnegie Institution. So important has been this research, President Bunnell stated, that on June 31 President Truman approved an Act of the Congress of the United States authorizing an appropriation of \$75,000,000 to build on the campus of the University, a Geophysical Institute. Delegate Bartlett's bill for this purpose was supported by the departments of Army, Navy, Coast and Geodetic Survey, PCC, Commerce, and Interior, and President. Bunnell took occasion to thank Secretary Krug for the splendid support given to Delegate Bartlett by the Department of the Interior.

Following President Bunnell's talk, Secretary Krug and party visited the Museum where Curator Eunice T. Collins was in charge of a briefly conducted tour through the institution's limited space for displaying its thousands of special interest items.

Continuing his remarks and on the subject of agricultural President Bunnell told of the struggle the institution has made ever since it was organized to develop agriculture in the Territory.

Leaving the University the party went to the experiment station (Continued on Page Three)

Registration for the fall semester at the University of Alaska will begin with Student Advisers' Day on Monday, September 16, at which time new students will become acquainted with the campus and discuss their problems and courses with Advisers and Registering Officers. A representative of the Veterans Administration will be on hand to advise students with reference to the G. I. Bill of Rights.

On Tuesday, the 17th, from 9 a. m. to 5 p. m., registration for the fall semester will be held. Classes will begin on Wednesday, the 18th. The enrollment is expected to top all previous enrollments of other years. All dormitories are filled to capacity, with many names of Students desiring to attend on the waiting list. The classroom space of the University will accommodate between 400 and 500 students. The factor limiting additional enrollment at the present time is the lack of housing facilities on the campus, in the community College, and in the City of Fairbanks.

It is estimated that between two-thirds and three-fourths of the students enrolling this semester will be veterans, some former students and some new ones. These veterans are all entitled to benefits under the G. I. Bill of Rights which, through the Veterans Administration, provides a certain amount of education with all expenses paid.

Planning Problem

At a meeting of the Board of Regents of the University, held July 27, the construction and operation of temporary housing units for veterans enrolled at the University was approved. A lease was signed with the Alaska Housing Authority for a site on the campus on which to build such housing units. It was hoped that these facilities would be ready for use by the beginning of the fall semester. However, word was received by the AHA on August 30 that there are no funds immediately available for housing projects of any kind, either at the University or in the City of Fairbanks.

Delegate E. L. Bartlett, who conferred with representatives of the AHA on this subject during his recent visit to Fairbanks, stated that he would see what could be done to secure emergency funds to relieve the situation so that the AHA could carry out its contemplated plans here.

Full Curriculum

A full curriculum will be offered again this semester with four-year degree courses in Agriculture, Arts and Letters, Business Administration, Chemistry, Civil Engineering, Education, General Science, Home Economics, Pre-Nursing, and Pre-Medicine. The School of Mines of Fairbanks, in Mining, Metallurgy, Geology, and Metallurgy. The first two years' work in Pre-Physics, Pre-Chemistry, in Mining, Engineering, and other branches of engineering, are also offered.

Several courses which are of general interest have been scheduled for the fall semester, in order that Fairbanks residents may conveniently take them. These are not the Short Courses in Mining and Home Economics, which are given every year, but are regular college credit courses, lasting the full semester. (Continued on Page Seven)

Appointees Named By Pres. Bunnell

With the exception of an instructor in Metallurgy for the School of Mines, the faculty of the University of Alaska for the academic year 1946-1947 is complete. The following are the respective appointees:

President: Charles E. Bunnell.
Agriculture: J. T. Bell.
Anthropology: Ivar Skarland and J. L. Giddings.
Biological Sciences: Druska C. Cair.
Business Administration: Fred W. Wagner and Dean Arbogast.
Chemistry: Charles L. Koelsche and Ruth Ogden.
Civil Engineering and Mathematics: William Elmhurst Duckering.
Department head and Dean of the

DR. J. T. BELL

Heads Agriculture Department

University: Claude Humphreys, H. Westwood Johnson, Wm. R. Cahan, and Raymond Smith.
Education: Everett R. Erickson.
Robert P. Isaac and Genevieve Norfolk.
English and Foreign Languages: Dr. Minnie E. Wells, Mary L. Lambie, Jewell T. Demmon, and J. Bryant.
History: Dr. Clarence C. Hulley.
Home Economics: Lolla Cronvanes Tilly and Frances Jensen.
Military Science and Tactics: Col. N. F. Fooks, Maj. Robert L. Evans, M. Sgt. Karl Swanson. (Continued on Page Eight)

THE FARTHEST-NORTH COLLEGIAN

Published Monthly by
THE UNIVERSITY OF ALASKA

At College, Alaska



Editor and Business Manager Charles E. Bunnell
Associate Editor Marjorie E. Schell
Faculty Committee Wm. R. Coshen, Clarence C. Halley
Hertha A. Ward

SUBSCRIPTION RATES

One Dollar Per Year Single Copies 10c

COLLEGE, ALASKA, SEPTEMBER 1, 1936

Agriculture: Basic Industry

For years the recurring theme of this column has been agriculture and the development of this basic industry in the Territory of Alaska. Way back some eighteen years ago this institution enlisted the support of Congressman Vestal of Indiana to have the Congress of the United States extend to Alaska the benefits of the provisions of the Hatch Act and the Smith-Lever Act.

Appropriations by the Federal government, 1930-1936 for agricultural experiment station work in Alaska total \$388,561.85. During this same period the Territorial Legislature has appropriated a total of \$69,500.00 and sales from stations have amounted to \$129,697.31.

The Fairbanks station, rated at \$20,000,000, and the Matanuska station at \$120,000,000, were transferred to the University by the Department of Agriculture. The Petersburg fur farm station is on a site of 34 acres granted to the University. The major portion of operating expense of this station has been provided by the Alaska Game Commission.

With the small amount of funds at its disposal, an average of less than \$1,000.00 per year for the last 16 years, these three stations have been kept operative. Of this amount over \$12,000 per year came from station sales and less than \$4,500 from Territorial appropriations. In spite of unusual conditions and problems of the kind not to be anticipated or expected, an especially important service has been rendered to those engaged in agricultural pursuits.

This immediate section adjacent to Fairbanks has the soil, the climate, the transportation facilities and a market for products that can be grown locally and which conservatively are estimated at more than a million and a half annually.

Visitors to Alaska whenever come, whether to do, not and can not reconcile the facts with what is being done, or rather what is not being done, to develop an agricultural industry in Alaska.

As with Secretary Krug's party, and with hundreds of other visitors, once advised of what the agricultural industry can mean to Alaska and all of its industries, none can understand why there are not hundreds of farmers in this immediate area supplying this market. Surely never in the history of agriculture was the industry favored with such a high protecting tariff, freight from Seattle to Fairbanks.

The solution seems to be about like this: Those engaged in the industry must be willing to meet by a safe margin any competition offered by the Pacific Northwest. There must be competition on the part of local distributors. The local distributor must come to know that his major profits are to be from sales of items that must be shipped from the States. Then, too, those who engage in the agricultural industry are good buyers and greatly increase the volume of trade in the respective communities where they live.

It is believed that the Alaska Railroad can with propriety, and as a matter of good business and cooperation, establish a favorable freight schedule for intra-railroad belt shipments of local agricultural products.

Problems Of The Arctic

The Alaska Press of July 25, Juneau, Alaska has this to say:

Congressional action on three important Alaska bills was completed when they were passed this week by the Senate and sent on to the White House. If White House action is favorable the bills will become law within a few days.

A great scientific institution to be located at the University of Alaska will come into being if the President signs the bill authorizing an appropriation for the establishment of a geographical institute. This would be the only institute under the American flag for the study of arctic and subarctic problems.

During extensive hearings on the bill at which more than

— On —

Floats or Wheels or Skis

Fly With

Wien Alaska Airlines, Inc.

THE FARTHEST-NORTH COLLEGIAN

a score of eminent scientists appeared to testify in behalf of the measure, emphasis was placed upon the necessity of carrying on research under the favorable atmospheric conditions to be found at Fairbanks. Not only was this said to be essential in the enlargement generally of scientific knowledge but specifically in the interest of national defense now that the polar regions have become so important. It was brought out that highly useful work was done on a cooperative basis during the war period between the University and the Carnegie Institution of Washington. The United States is now the only nation in the northern hemisphere which does not have one or more such institutes.

The bill authorized a federal appropriation of \$975,000 for construction of the institute proper and necessary housing accommodations, and for equipment. Maintenance of the buildings would be carried on by the University.

Editors Note: The Bill was signed by President Truman, July 31.

'Lebensraum,' Campus Version

It may not be possible for crowded Fairbanks to do much, but every effort should be made to respond to the appeal made today for spare rooms for veterans who want to attend the University of Alaska this fall.

The University is an asset to Fairbanks that is too often overlooked. Figures from other university towns show that the presence of students is a big economic factor in the life of the community, not counting the cultural, recreational and social advantages that naturally surround seats of learning.

The Alaska University is still small in comparison with that of its sister institutions in the States, but it seems destined to grow. The rush back to school by veterans is one of the opportunities we should take advantage of to help the U. of A. along toward that destiny.

The only thing that stands between the University and a heavy increase in enrollment this year is housing—rooms for single students and apartments or houses for married ones, of which there are many in the veteran ranks. Every room that can be provided in Fairbanks will add one or two students to the college rolls.

To those who are undecided it should be pointed out that this emergency request can be answered for the first semester only, if desired. FPHA quarters will absorb some of the overflow by the end of that term.

Eminent Scientist Visits Campus

Dr. Douglas Leechman, archaeologist of the Canadian National Museum, visited the campus August 26th and 27th, after a summer of searching the supposed migration routes of early man in the Old Crow region of the Yukon Territory. Dr. Leechman was especially interested in the collection in the University Museum of stone material from the famous Chena River. He believes, as Dr. Froelich Rathey does, that this find represents a very early people who lived in this area before the present Athapascans. His find of similar material from a high bench on Kluska Lake last summer indicates that the complex to be found over a wide area of the largely glacier-free northwestern

General Steese On Vacation

General James Gordon Steese, for whom the Steese Highway was named in 1941, has been on a vacation in the States from the Panama Canal Zone, where he is assistant to the Governor. Next spring General Steese expects to retire from that position and is looking forward then to another trip to Alaska, his first since 1938.

General Steese was formerly Chairman of the Alaska Road Commission and Manager of the Alaska Railroad. In 1932 an honorary degree of D.Sc. was conferred on him by the University of Alaska.

Interim, Dr. Leechman will spend a few days in the Whitehouse area before returning to his home in Ottawa.

ERNEST SPINK

Buyer of Raw Furs

105 Lacey Street

Fairbanks, Alaska

JIM DODSON

AIR SERVICE

Passenger, Freight, Express
and Charter Service

Serving the Kuskokwim
and Lower Yukon

Box 980

Harvard 294

FAIRBANKS, ALASKA

Dean Duckering

Vacations At

McKinley Park

Wm. Elmhirst Duckering, Dean of the University, went to McKinley National Park during the latter part of August for a much needed rest.

rest.

Dean Duckering has been on the campus all summer, and the details and overhauls changes being made in the Building, as well as supervising new unit being built in the Building.

Dale's Sportsman Shop

Supplies of all kinds to make your hunting or fishing trip a success.

Second and Lacey

Phone: East 54

"THE CUB"

Sandwiches, Ice Cream, Light Lunches

Located at the North End
Eielson Building

OPEN 7:30 A.M. TO 10 P.M.

Laundry and Dry Cleaning May Be Left and
picked up at The Cub.

CAROL BOYD, Manager

Fairbanks Lumber Supply

- Sitka Spruce Lumber
- Spruce, Fir, and Hemlock Finish Lumber
- Cedar Siding and Hardwood
- Native Spruce
- Red Cedar
- Western Hemlock Flooring

Johns Manville Products

- Insulating Board
- Asphalt Felts & Paper
- Rock Wool
- Asbestos Siding and Roofing

STORM SEAL & Corrugated

Galvanized Roofing

Nails, Plywood, Plasterboard,

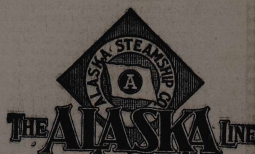
Sash, Doors, & Millwork of

all kinds.

OLYMPIC Portland Cement

Title II—FHA Loans on New Buildings.

Warehouses & Office: Steese Highway



Constantly Keeping
The Future of Alaska
In The Forefront
Of Our Thinking

Sec. Krug Inspects University

(Continued from Page One)

where Director Oldroyd afforded Secretary Krug and party an opportunity to inspect the work of the station. An hour was spent going over the experimental plots, seeing the dairy herd and vegetable garden. At the end of the tour, the experiment station served fresh raspberries and cream to the group. A highlight of the visit was when the Secretary's father milked one of the registered Holstein cows and accomplished the feat expertly. Secretary Krug expressed surprise at his father being able to milk a cow and said that he himself could

not do this.

The Secretary was very much surprised at the large number of summer squash being produced in the station garden. The entire group examined the exhibit of farm vegetables and grains and grasses from the test plots in the agronomy division, which exhibits were prepared by John Oguniokorpe, superintendent, and Basil M. Benjamin, Agronomist.

The group next spent some time looking over the plots where a number of varieties of wheat, oats, and barley were being harvested. They were also shown plots of alfalfa, red clover, timothy, clover, and a large number of different varieties of grasses. The perennial vetch attracted particular attention as it stood about three feet high and was producing a great deal of seed. Amusement was expressed at the size of the tobacco plants that are

the United States Department of Agriculture. Seed for these plants being produced in cooperation with was shipped from the station at Beltsville, Maryland. At the present time the plants are nearly three feet high and some of them cover a space of about three feet in diameter.

The members of the Secretary's official party were: Representative The members of the Secretary's official party were: Representative William B. Poage of Texas, Representative Harold D. Cooley of North Carolina, members of the House Agriculture committee: Warner Gardner, assistant secretary of the Interior; Creechmore, Path special assistant to the Secretary of the Interior; Carlton Skinner director of information; Edwin Arnold, director of the division of territories and island possessions; Felix Cohen, associate solicitor for the Department

of Interior; William Wrasber, director of the Geological Survey; Joel Wolfson, acting associate director of the Bureau of Land Management; William Zimmerman, Jr. assistant commissioner, Office of Indian Affairs; Dr. Roy L. Sexton, Interior Department consultant; J. A. Krug, father of the Secretary; and Wesley McCune of Time Magazine.

Others accompanying the party were Ernest Gruening, Governor of Alaska, George Sundberg, Bonneville Power Administration; Don C. Foster, superintendent of the Alaska Native Service; Robert S. Sanford of the U. S. Bureau of Mines; Ike P. Taylor, chief engineer of the Alaska Road Commission; L. G. Anderson of the Bureau of Mines Health and Safety Division; T. R. Jolly, Bureau of Mines Puela and Explosives Division; F. P. Barnes, USGS Coal Investigations Division, Commander P. W. Roberts, officer-

in-charge of the Point Barrow petroleum project; Bart Ollis, manager of Arctic Contrators; William Deane of RICO-Palmer news; and Lt. Commander Edward P. Chester, Naval aide to Governor Gruening.

Dr. Wagner To Head BA Staff

Dr. Fred W. Wagner has been appointed to the faculty position, and head of the department of Business Administration, succeeding Dr. Murray W. Shields, who resigned. Dr. Wagner comes from Spokane, Washington, having recently returned to the Mainland

from Hawaii where he served in the Office of the Military Governor and later as a statistician in the office of OPA.

Dr. Wagner studied at the University of Minnesota and Eastern Washington College of Education. He received a A.B. degree, a Master of Business Administration, and, in 1907, a Doctors degree, all from the University of Washington, at Seattle.

Experience with young people as a debate coach, and athletic director, added to his years of teaching experience at Columbia Junior College, recommended Dr. Wagner to the position he will hold at the University of Alaska.

We welcome him to Alaska and to the University.

As many as 201 different items or pieces of material are used in making a single pair of leather shoes.

IMPORTANT

The last paragraph on page 20 of the 1946-1947 catalogue reads as follows:

"The University Dining Room, owned and operated by the University, has in the past furnished board for all resident students at \$40.00 per month, payable in advance each semester. During the year 1946-1947, owing to uncertain costs, some reasonable adjustment for board may be necessary. Information will be made available to all inquirers at the earliest possible date."

Due to the constantly increasing costs of food the Executive Committee of the Board of Regents has fixed the price of board in the dining hall at \$45.00 per month instead of \$40.00, as heretofore advertised in the Collegian.

In the event any student who has made a room deposit of \$10.00 desires to withdraw the deposit and make other arrangements for board, the room deposit will be refunded.

CHARLES E. BUNNELL,
President.

Rates for Board and Room on the campus are:

Single Rooms	\$15.00 per month (if available)
Double Rooms	\$10.00 per month each student
Board at University Club	\$45.00 per month

SCHOLARSHIPS AVAILABLE

A Territorial Scholarship, consisting of two years free room rent in a campus dormitory, is awarded to the member of the graduating class in each high school in the Territory who ranks highest in scholarship. The only stipulation is that all high school work must have been done in Alaska. Should the highest ranking member of the class not accept it, the scholarship goes to the next in rank. Both men and women are eligible.

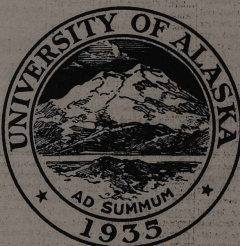
Sears, Roebuck Foundation has provided a fund from which scholarships of \$150 each are awarded to entering first-year students, who are residents of Alaska, in the fields of mining, agriculture and prairie-fishing. These awards are based on scholastic background, personal qualifications, and need. Eight scholarships are available; only men are eligible.

For further information or for room reservations write the Registrar

University of Alaska College, Alaska

REGISTRATION FOR FALL SEMESTER

Tuesday, September 17
1946



Dendrochronologist Louis Giddings and Wife Navigate Mackenzie River on Skiff

Louis Giddings, who has returned to the faculty of the University as an instructor in Anthropology, arrived in Fairbanks last week, part of August, accompanied by Mrs. Giddings, after an interesting and profitable trip down the Mackenzie River to the Arctic coast. The object of this journey was to make tree-ring collections in the basin of the Mackenzie River. In 1942, under the auspices of the University of Alaska and the University of Chicago, Giddings published a monograph entitled "Dendrochronology in Northern Alaska," and this recent trip was undertaken with the object of obtaining additional data on this subject. Mr. Giddings tells the story of their trip:

"Tree-ring collections in the basin of the Mackenzie River had been a goal since before the war, when we were in the Yukon basin and western Alaska were put to work dating Eskimo ruins and producing climatic records. In a letter to Dr. Bunnell last fall I proposed a trip down the Mackenzie and around the Arctic coast to Point Barrow. Sampling the spruce trees on the river was to furnish the means of identifying and dating Mackenzie driftwood lodged on the coast and buried in Eskimo ruins. Collections of driftwood from the coast were to be used in tracing Arctic Ocean coastal currents.

Tell Arsona

"My wife and I left Arizona in March, and followed early spring in our automobile as far as Fort Nelson, in the western headwaters of the Mackenzie drainage. We drove through Utah, Idaho, and Montana, entered Canada at Glacier National Park, continued north through Calgary and Edmonton, and along the dirt road to Lesser Slave Lake, the Valley of the Peace, and the Alcan Highway beyond Dawson Creek. We were fortunate in having dry weather over the latter part of the trip; the roads were in the class condition and the samples were taken near timberline at mountain peaks in the Rocky Mountains and along the road north of Edmonton.

"When we arrived at Fort Nelson the ice had not broken in the Liard or the Mackenzie. Constable Boulton, of the British Columbia Police, arranged for us to use the Forest Service motor which we waited for to be built, and then we had our car driven on to Fairbanks.

"Our boat, a 27-foot skiff, was built by a Fort Nelson oldtimer, Charles C. Oregon. It was a Stika spruce for the bottom and lower sides, local spruce for the remainder, and covered the bow with plywood. Christened the skiff 'Oregon', the skiff was launched on the second of May, and we began to float with the current.

"I had floated down the Yukon from Circle to Nulato in two weeks, and confidently believed I could float the 120 miles to Alaska in less than a month, but I had not counted on the persistent up-river winds which were to plague us all the way. During a storm and a half on the Mackenzie and its tributaries we had only four days of fair wind. The rest of the time we paddled into the wind, or traveled down the river in the lee of wind usually abated. Our sail was used mainly for covering gear.

Beaver and Rats

"On the Fort Nelson River we saw beaver and muskrats in these bars. One evening a red fox looked over our camp. The trees grew tall and dense, but are not subjected to enough climatic stress to permit the tree-throwing. We saw no people until we reached Nelson Park, a Hudson's Bay post at the mouth of the river, but the moose and telegraph had not neglected us. In a lumber camp on the Liard we were hailed by a large Alaskan man. He asked us to come to shore, would be heavier than usual be-

We explained that we wanted to go on while the ice weather lasted, but she insisted that we stay. We heard two people coming down river got no kidding, read palm of the hand. You read my hand! "We never knew of any particular report ahead of us, or whether the Indians got their fortunes told, but decided to look into the possibilities of palmistry before floating down another river.

"The rapids on the Liard River caused us some delay. We were advised against attempting to float through the twelve miles of rapids without the aid of knowledge of the channel. Fortunately we waited until an Indian with an outboard motor agreed to push us through. A number of the riffles could have crammed our boat had it been turned to the current. As it was, about halfway through, a big riffle twisted the two boats apart and caused us to lose of the paddle skill to climb the darts. We had barely lashed the boats together again when we went over the 'beaver dam', a three-foot fall which marks the lower end of the rapids.

River 'Metropolis'

"Fort Simpson is the largest village between Great Slave Lake and Alaska. The village boasts many cattle, and all the residents raise fine gardens. Below this junction of the Liard with the Mackenzie, the clear water flows like milk, and the muddy Liard water for more than 200 miles.

"The Mackenzie River villages are located about 200 miles apart. The typical village centers about the mouth of a tributary and consists of colorful frame buildings and log houses. The tents of Indian and white summer visitors surround the village. One or more 'free traders' have stores in the larger towns. Hudson's Bay post office is usually located on the highest and most favorable spot in the village. Its various buildings are invariably well painted, white with red roofs, and are usually set in a compound of high picket fence, a carryover from the town when a post was also a fort. The villages below Simpson are Wainwright, Norman Wells, and Arctic Red River.

"Arakvik is a fur town on the Peel Channel of the Mackenzie Delta. Recently become important because of the discovery of the increasing numbers of Delta 'hulks' and other Eskimos as far away as Banks Land, Arakvik is a beehive of activity in early summer. The word 'musk' is a white fox skin to chase the hands here during the year seems fabulous, as so the prices received by the traders for the furs. Here in the Northwest Territories, only the natives and a handful of white early residents may receive licenses to trap; consequently the outsiders who have poured into Arakvik during recent years work to top speed all summer long. The Eskimo hunters and the Slave Indians and Eskimos are incredibly wealthy. As a result white women from 'outside' serve as waitresses and clerks, and white men work for high wages, and run various businesses in order to meet the needs of the visiting natives. One Banks Land 'hulk' is said to have paid off \$14,000 in a single year for a schooner which he ordered from the States.

"In spite of all this artificiality in the Arakvik, we were happy to find the hulk the same joyful, hospitable people they are elsewhere when they get away from the village and back to their coastal camps.

Motor Installed

"We installed a small Inboard, air-cooled motor in the 'Oregon' and started out for the coast. Before we left, however, an old Husky told us that this summer was going to be a bad one. He thought the ice was going to be heavier than usual be-

Bertha Schaeffer, James Brooks Are Married

Coming as a complete surprise to their many friends on the campus was the marriage on August 8th of Bertha Schaeffer and James Brooks. The wedding took place in the Presbyterian Church with the Rev. N. C. Humphreys officiating. A. O. Klinechmidt and Doris Fox were attendants.

Bertha graduated from the University in May of this year, receiving a degree of B.S. in Education. James, who entered school the second semester of last year, after receiving his diploma from the Army Air Force, was registered in the School of Mines.

The young couple plan on making their home in Dillingham, Alaska, where James will be associated with Dennis Pines in his airplane company there.

Marion Skiolvig Back From States

Glad to be back in Alaska, Mrs. Marion Skiolvig returned to the University the middle of August, after five weeks absence from the States. However, a throat infection which had bothered her for some time became worse and resulted in Mrs. Skiolvig spending the first week of her return in St. Joseph's Hospital.

While in the States Mrs. Skiolvig visited her mother in Berkeley, California; her brother in Los Angeles, and numerous friends in Burlingame, San Francisco and Seattle. The congestion of travel conditions and the unusual heat, which the west coast experienced this summer, were the two factors which detracted from an otherwise pleasant trip.

"On another summer we could have reached Point Barrow in a month, but this summer proved to be one of those unusual seasons when the ice does not leave Herschel Island and the west wind blows continuously. We pushed along the coast between bluffs, but were never able to stay on the water more than four hours at a time, and many times were forced to beach the boat onto the beach with block and tackle to escape the ice pushing in from the north and west. At Herschel Island we delayed two weeks waiting for the ice to melt and wind conditions. By the third of August it had become obvious that we could not go the 500 or more miles to Barrow by the first of September, even with a break in the weather, and we reluctantly turned back to Akavik. At Akavik we learned that for the first time in many years the schooner fleet from Banks Land had not been able to get through the ice, and that it was indeed an unusual year.

"Tree-ring collections were made at regular intervals along the entire river system to tree-line a few miles below the Arctic coast. Collections of driftwood samples were made between the Mouth of the Mackenzie and the Fort River. West of Herschel Island, Field photographs indicated that these conditions will yield most valuable results for use in dating ruins, tracing ocean currents and adding to knowledge of far northern climate. We hope to be back on the Arctic Coast when mosquitoes come to life again."

Author Sends Inscribed Copy To Library

Dr. Herbert Brannot, author of "Alaska Bird Trails" and number four to receive an honorary degree from the University of Alaska, sends a copy of this splendid publication to the library.

He, Mrs. Brannot, and Catherine were campus residents for a month and were here when the 4-H Club of Alaska was being held. He was especially pleased to have first hand information about 4-H club work in Alaska.

The inscription is distinctive: "To those who may browse these words, GREETINGS. As a token in appreciation of their moral educational convalescence at College during June of 1946, the assembled 4-H Clubs of Alaska herewith present to the Library of the University of Alaska, this volume, which hereunder is inscribed by the author with warm pride, that so likely a group of young agriculturists should have their interests and requests recognized." Signed Herbert Brannot.

Each young couple plan on making their home in Dillingham, Alaska, where James will be associated with Dennis Pines in his airplane company there.

Each young couple plan on making their home in Dillingham, Alaska, where James will be associated with Dennis Pines in his airplane company there.

Each young couple plan on making their home in Dillingham, Alaska, where James will be associated with Dennis Pines in his airplane company there.

Frieda Steckel Dies After Operation

Friends and associates of Frieda Steckel were shocked to learn of her sudden death on August 10th, following a heart operation performed on the 7th. Death occurred at the Haledale Hospital at Haledale, Kansas, according to telephone information from Friends of Frieda Steckel, Mrs. P. M. Prick of Durham, Kansas.

Although Miss Steckel had not been well for some months she left for the States at the close of the school term in May to attend summer school at the Penland Handcraft school in Penland, North Carolina. During the summer her condition became increasingly serious, evidenced by the loss of some twenty pounds in weight in a short period of time.

Since 1941 Miss Steckel had held the position of Associate Professor in the Home Economics Department at the University. In 1932 she received her A.B. degree from the College of Emporia, at Emporia, Kansas, and later in 1941 a Master's degree from the University of Science Degree was conferred upon her by the Kansas State College, Manhattan, Kansas.

She is survived by her father, Herman Steckel, of Quincy, Kansas, a sister, Mrs. Clinton M. Prick, of Kansas, Kansas, and another sister, Miss Grace Steckel who is serving with UNRRA in Frankfurt, Germany.

Funeral services were held at the Methodist Church in Virgil, Kansas, on Tuesday afternoon, August 13th, Burial was in the Maplewood Cemetery there. Flowers from a group of campus friends and associates were telegraphed.

When a woman like Frieda Steckel passes on she leaves an empty space in the circle of her friends and in the University of which she was such a loyal member. Hers was a tender and warm heart, ready at any time to carry another burden and share the joys of life. She was admired here for her generosity, her unflinching sympathy and her cheerfulness. The memory of her cheerful smile stays with her friends and encourages them to live to others as royally as she gave.

Agricultural Survey Is Proposed By Agronomist

Details Told On Colonization Of Ecuador

An interesting news release has come to the Editor's Desk from the Colonization of Ecuador, South America. The content is as follows: By Presidential Government Decree, Ecuador, South America has set aside 12,000 acres of rich land for the colonization of British and American settlers in the highlands. Domingo de los Colorados area, on the western slopes of the Andes at an elevation in excess of 1000 feet.

This land is free to all approved settlers of the United States and Great Britain. There is a small service fee and the prospective settler is required to show that he is in sound health and can comply with the reasonable requirements of the government.

Applications blank, conditions, soil and crop report, medical report, and a passport for the settler, together with map, will be sent without cost or obligation to all who request it.

Inquiries should be addressed to Dr. J. M. Sheppard, Colonial Government, Interim, P.O. Box 1151, Quito, Ecuador, South America. A loose United States postage stamp should be enclosed for reply. If postage can be indirectly contributed, it will be appreciated.

Each settler complying with government conditions may homestead 50 hectares which totals approximately 251 acres. In addition is entitled to receive 1000 square meters of extra land in the village site.

Agricultural expert, after making soil analysis, have declared that the land in this belt is equal to that of Java, long considered the richest on earth. Java's soil supports 50 million inhabitants. Ecuador, approximately the same size as Java, is greatly underpopulated with but three million inhabitants.

Prospective immigrants are cautioned not to come to Ecuador until their application has been approved.

Contract Let For Book Store

The expansion of the Book Store quarters meets an urgent need and has been awarded to the University Post Office of some of the congestion that the rapidly multiplying university community has created. The separation of the Book Store from the Post Office will greatly facilitate the operation of both services.

On August 1st a contract was signed with the Delong Engineering Construction Company for the construction of a new building.

A survey of former surveys is proposed by Dr. Basil M. Brannot, an agronomist at the Fairbanks Agricultural Experiment Station of the University. This proposal was presented to President Brannot, and Secretary King and party of the University and Experiment Station on August 12.

1-Agricultural exploitation of a survey requires a special biological survey of agricultural regions, the classification and valuation of land suitable to agriculture.

2-A biological survey, which comprise (a) land topography; (b) soil survey; (c) biological survey of native vegetation; and (d) geological survey plans to the ground waters as a source water supply.

3-Areas of this survey should include the following regions: (a) Chukchee River Valley; (b) Big Delta region; (c) part of the Yukon River Valley; (d) Matanuska Valley; (e) Kasilof Peninsula; (f) Bering River Valley; (g) Copper River Valley; and (h) the Big Islands-Kodiak.

4-A preliminary biological survey could be based upon the information obtainable from the maps, photographs of mentioned region, the type of vegetation, such as the type of soil, climate, wind, and grass formation found in parts of the region proposed for agricultural use, could be considered as an indicator of certain types of soil and adaptability to agriculture. Likewise, a rough topographical survey could be made by aerial photographs, indicating water sheds and drainage of the rivers and creeks.

5-A ground survey of land, and vegetation could be additionally made in the selected typical areas of the region, as the way of controlling location and changes of vegetation and soil of the region.

Construction of an additional 40 ft. on the north end of the present Ellison Building, so as to come with the section known as the Five. The ground floor space provided is 40 feet by 54 feet, will be given over to completely new quarters for the University Book Store, a Student Lounge, rest room for men and women, an entrance to the Denali and students' committee.

The extension authorized will be of reinforced concrete and will include only the ground floor. Work commenced August 3, and with normal weather it is expected that the area will be ready for occupancy the opening of the fall semester. Construction work has progressed rapidly in spite of more than a share of bad weather. Foundation work was completed August 13 and the first of September will see concrete walls and floors in place.

Farsdahl Baby Born in Fairbanks

Mr. and Mrs. James Farsdahl are the proud parents of a baby daughter, born at St. Joseph's Hospital on July 25th. The new member of the Farsdahl family weighed 7 pounds 13 ounces and has been named Peter Oscar.

Mrs. Farsdahl is the former Joseph Beyer, who graduated from the University in 1944 with a B.A. in Arts and Letters.

PREVENT INSECT BITES

with **65c**

INSECT REPELLENT

TESTED in average and high altitudes

EFFECTIVE against mosquitos and ticks

CO-OP DRUG

Between Lusk and Chukchee R.

Grants For Research Received

(Continued from Page One)
range variable from 50 to 500 volts, and some form of amplifier and recording meter. Various arrangements of electrodes will be tested under the bell-jar of the vacuum chamber in order to discover an method which will provide precise analysis. The advantage of this method of analysis over fractional condensation and the mass-spectrometer is the possibility of continuous recording of the composition of a changing mixture with use of only a minute quantity of gas for the purpose. For example, in the distillation of organic compounds, there is no check on composition except testing point, color, smell, and the chemist's imagination. A precise knowledge of what is coming out the still would be of great value in research and in manufacturing processes.

Herta Ward To Wed In Seattle

Herta Ward, and Eugene Murphy will be united in marriage on Friday, the 4th of September at the University Christian Church in Seattle, according to invitations sent out by Mrs. Joseph Albrecht, Mrs. Ward's mother.
Coming to the University in 1943 Mrs. Ward served as associated professor in the Business Administration Dept. through last semester. A graduate of the University of Washington Mrs. Ward received with her B.A. and M.A. from that institution.
Mr. Murphy, who has recently been released from the Army Transport Service, is connected with a large banking institution in Seattle where the newly married couple will make their home.

LINDY'S
RESTAURANT & CATERING
Open Weekdays 9 a. m. to 8 p. m.
Sundays Noon to 5 p. m.
483 Fourth East 26

OFFICE SUPPLIES
IN STOCK
OFFICE FURNITURE
TRICK & MURRAY
STATIONERS - FLETCHER
118 BOWEN ST. - SEATTLE 4
C. B. CRUTCH, Alaska Representative

MEN'S CLOTHING
You'll Be Proud to Wear
Wilson Brother's Haberdashery-Shirts, Socks, Sportswear, Ties
Gordon and Ferguson-Exclusive Sportswear
"Timely Clothes"-Suits, Topcoats and Overcoats
Walkover Shoes-
Stetson and Dunlop Hats-
Everything in Clothing for Dress, Sport or Work.

Styled right by the greatest names in men's wear.
Martin A. Pinsky
Since 1898
MARTIN A. PINSKY ROBERT CLAUS
FARTHEAST, ALASKA

Plans For Observatory

Land survey and building plans for a U.S. Coast and Geodetic Survey magnetic and seismological observatory here are now under way, with Comdr. W. D. Patterson in charge. Comdr. Patterson arrived in Fairbanks the latter part of August.

A veteran of 30 years in the Coast and Geodetic Survey, Comdr. Patterson has just completed the installation of a similar observatory in Honolulu. The observatory here will be the sixth permanent installation of its kind in operation by the government agency.

Funds Sanctioned
An appropriation of \$114,000 was sanctioned for construction of the observatory which will be located on the University campus on the site used by the PGO during the war years. It is contemplated that they will start building next spring. Construction will be handled by the Army Corps of Engineers and electrical firms already under contract to them. The program calls for erecting three magnetic laboratories, a seismological vault, offices, and quarters for three observers who will join Comdr. Patterson here.

Identical observatories already operating are in Cheltenham, Md.; San Juan, Puerto Rico; Tucson, Ariz.; Honolulu, T.H., and Sitka, Alaska.

No Cheechako
Comdr. Patterson directed reconstruction of the Sitka observatory in 1939 and 1940. It was badly originally in 1901. He was also in Alaska in 1918, surveying Knik Arm for the U.S.G.C.S.

Fairbanks was selected as the site for the newest observatory because of its importance in geophysical prospecting and military application, the commander said. Upon completion of the building program and installation of equipment, the Coast and Geodetic Survey will begin on the magnetic and seismological research already established as a familiar activity here by the Carnegie Institute observatory at the University.

Comdr. Patterson's wife and six-year-old daughter will join him in Fairbanks in a few weeks.

WHILE IN KETCHIKAN
Stay at the
INGERSOLL HOTEL
...it's...
Ketchikan's Best Hotel
George Brinck, Manager

Observatory Transfer Is Authorized

Central of the College Observatory was officially transferred to the University of Alaska on the first of July. The equipment, originally installed and operated by the Department of Terrestrial Magnetism of the Carnegie Institution of Washington, D.C., is now being operated by the University with funds furnished by the Central Radio Propagation Laboratories of the National Bureau of Standards.

Mr. Robert Wolff assumed charge of the Observatory upon the departure of S. L. Benton for the States. Mr. Wolff came to Alaska for the purpose of attending the University of Alaska, graduating in 1941. He has been a member of the Observatory staff ever since, having participated in the installation of the equipment in June of that year.

Staff Members
The eleven members of the staff have all been students or faculty members of the University in the past. Mr. Dan C. Wilder and Pierre St. Amant, along with Mr. Wolff, attended the geophysics department, Department is employed on a part time basis as a mathematician and physicist.

The arrangement whereby the University is gathering data for the CNP, and other government agencies appears to be unique. The records are retained at the University along with all the tabulation sheets, giving a valuable back-log of information for anyone wishing to do research work. The present arrangement it is felt, will be of great benefit to the University. With its construction of the Geophysical Institute on the campus, Observatory officials believe that the University of Alaska will become one of the world's foremost centers of Arctic research.

Function Detailed
The function of the Observatory is the compilation and reduction of data dealing with certain geophysical problems in the North. Observations are made of the height and density of the ionized regions of the upper atmosphere, of the strength of radio signals arriving from stations in different parts of the world, of the strength and direction of the earth's magnetic field and the errors encountered in radio direction finding work. A seismograph is used to furnish information on earthquakes, and Aurora Borealis is studied.

In addition to gathering scientific information, the direction finder is frequently used to aid aircraft in locating bearings for navigational purposes. Several aircraft have been saved during the war years by the crew of the direction finder.

At present, work is being carried on to determine the relationship between solar and terrestrial phenomena. A study of the correlation of sunspot activity with location of the upper atmosphere and magnetic disturbances is being conducted with current information.

The Observatory has recently been investigating reports by old-time Alaskans of the presence of a noise associated with the Aurora Borealis and have received many interesting letters from people who describe such a phenomenon. At present, no conclusions have been reached on the matter, pending more information.

THE ALASKA RAILROAD

SEWARD TO FAIRBANKS

DISTANCE 470.3 MILES

SHIP BY RAIL

Throughout the year The Alaska Railroad offers regular passenger and freight service between Seward, Anchorage, Nenana, and Fairbanks, and way stations. Schedules are maintained during the entire winter regardless of weather conditions. The Spirit of service which exists in the operation of The Alaska Railroad has made our patrons our friends and the safeguarding of transportation of their shipments to stations on our lines to their entire satisfaction is our ambition.

Passenger Train Service

Leave Fairbanks for Seward

Passenger trains leave to connect with boats at Seward and as announced from day to day.

Arrive Fairbanks from Seward

Passenger trains arrive from Seward in accordance with boat connections.

Freight Train Service

Freight train carries coach for accommodation of passengers, Fairbanks-Healy.

BRANCH TRAIN SERVICE

Mixed train leaves Anchorage at 9:00 A. M., Monday, Wednesday, and Friday for Jonesville. Returning, leave Sutton 2:00 P. M., arrives Anchorage 5:00 P. M.

Reduced round trip tickets are on sale daily from all stations limited to seven days in addition to date of sale at fare of one and one-third for round trip.

For rates and information regarding passenger and freight service inquire:

Alaska Railroad Passenger Depot — Telephone 79E
Alaska Railroad Freight Depot — Telephone 161E

DURING SEASON OF NAVIGATION
STEAMER SERVICE BETWEEN NENANA AND MARSHALL
WILL BE OPERATED ON TANANA AND YUKON RIVERS

THE ALASKA RAILROAD
ANCHORAGE
ALASKA

SEE
MAIN'S
DEPARTMENT STORE
for
FINE FURS & CURIOS
First & Noble P. O. Box 703
FAIRBANKS, ALASKA

Revised R.O.T.C. Course In Curriculum

(Continued from Page One)

Technique of Infantry. Other subjects covered include Leadership, Drill, Occupied Territories, Psychology and Personnel Management, Military Problems of the United States, and Military Law and Boards During the final year emphasis is placed again on Tactics and Technique of Infantry, while Command and Staff duties, psychological Warfare, Military Mobilization, Combined and Joint Operations, Geographical Foundations of National Power, Leadership and Training Methods come in for their share of attention. Ninety-six hours of class room attendance are required for each of the first two years and 100 hours for each of the third and fourth years. Study assignments are given daily with study time provided in the same manner and to the same extent as for other subjects of the academic course.

Attendance Requirement

Attendance is three hours a week for the first two years and five hours a week for the third and fourth years.

Enrollment in the ROTC entitles a cadet to a liberal wardrobe of military clothing and equipment. Wearing of military clothing is permitted on days of ROTC instruction and is required at all Military Science classes. The clothing and equipment remains the property of the U. S. Government, the student being held strictly accountable to the University for every item issued. Each student enrolled in the advanced course (3rd and 4th years of ROTC) receives pay and commutation of subsistence in the amount established by the Secretary of War, not exceeding the value of the ration ration. At present this amounts to \$6.88 per month.

The total enrollment for the ROTC Unit for this year will not be known until all students have registered. For purposes of planning the course a "guesstimate" of 80 to 100 has been made. The number of veterans who elect to take the course cannot be predicted. However, a large enrollment of veterans is contemplated due to the attractive scholastic credit offered them, monetary inducement given under the GI Bill of Rights, and their previous experience in the military field.

It is contemplated that for the time being the ROTC Unit at the

University will be organized into one Infantry Rifle Company, with cadre officers and non-commissioned officers being selected from the third-year students.

The ROTC instruction will be headed by the Professor of Military Science and Tactics, Colonel Nelson I. Pooka, Infantry. He will be assisted by Master Sergeants Robert L. Evans, and Earl J. Swanson. Technical Sergeant Laurence J. Stafford, and Sergeant Robert L. Jordan, All are members of the Regular Army.

Long Experience

Colonel Pooka was born in Maryland. He was graduated from the United States Military Academy in 1917, and has attended the Tank School, the Infantry School, and the Command and General Staff Schools. He has served four years at the U. S. Military Academy in the Department of Tactics. He commanded a regiment of Infantry in action in the European Theater of Operations during World War II, and has most recently been on duty with the Infantry School, Fort Benning, Georgia, where he directed the Defense Committee of the Department of Tactics, and took the course at that school for Professors of Military Science and Tactics.

Master Sergeant Evans is Chief Administrative Assistant and Instructor. He entered the service from Milwaukee in September of 1938. He was born in Missouri. In 1941 he came to Alaska in one of the U. S. Military Academy to occupy the Aleutian Islands. He was on duty with the Special Staff of Lt. General Simon Bolivar Buckner for the School Troops, the Infantry School.

Master Sergeant Swanson is assigned as an Instructor. He is a native of North Dakota. He has served in the Field Artillery for eight years, with experience in the Mountain Artillery and Coast Artillery, and saw combat in the European Theater during World War II. Sgt. Swanson has been active in various sports, having been on the North Dakota high school football team in 1934. He is a specialist in weapons and is an outstanding shot with the rifle. He has attended the Field Artillery School, the Adjutant General School, and the Advance Intelligence School for Photo Interpretation.

Former Marauder

Technical Sergeant Stafford, another Instructor, was born in Rhode Island. He has seven years service in the Infantry. He has seen service in Panama and the China-Burma-India theater, having been a mem-

Library Adds Gift Books To Collection

Several gifts have been received by the University library in the past few weeks, adding some 25 books to the general collection. A gift of 15 books from Clara Paulsen Woodden, former Home Economics teacher, dealing with Home Economics and related subjects, was a welcome addition to the library. Dean Duckert has given five books on educational and engineering subjects. The 4-11 Clubs of Alaska have presented the library with Dr. Herbert Brandt's beautifully illustrated "Alaska Bird Trails." Dr. Brandt inscribed the volume.

John Mehler, University Librarian, has been busy since his arrival in June working out a handbook describing the library and its functions, to be distributed to new students on their arrival. Mr. Mehler, with the approval of Dean Duckert, plans to give a Freshman introductory lecture and orientation to the library and the part it plays in their work. This will be in conjunction with their English classes.

Army Studies Effects Of Extreme Cold

Extreme or prolonged cold that to cold blood cells so they tend to pile circulation, which eventually results in development of gangrene and loss of limbs. This has been the most famous Merrill Marauders, and of Meyer's Task Force in Central Burma. His experience outlines him admirably as an instructor in tactics.

Sergeant Jordan comes from Missouri. His assignment is Armorer, Artillery and Instructor. He has spent seven years in the Army, has seen seventeen months of service during World War II in the South Pacific. Among the more important stops he made during his overseas tour were New Guinea and the Philippines. He has a colorful background in football, baseball, and basketball. He has had considerable experience in instruction in weapons and small arms.

Any student wishing to discuss his qualifications for ROTC should see the Professor of Military Science and Tactics in Room 201, Main Building.



DENALI, the highest mountain in the North American Continent—20,300 feet.

established, it was reported today by the Surgeon General's office, both by the careful study of pathological tissue from overseas soldiers and experiments with rabbits in which the limbs were subjected to temperature of 20 minus centigrade.

The condition became of great importance in the European Theater during the last war. It was most dramatically exemplified among air crews subjected to the extreme temperatures four or five miles over the clouds. Even the exposure of a minute or so might result in the loss of a finger.

It was one of the chief causes of casualties in the Apennines campaign of the winter of 1943-44. Infantrymen sometimes stayed days at a time in fox-holes filled with slush and ice-cold water. When they were relieved they were unable to walk and were in almost unbearable pain. Often this persisted for weeks after treatment and loss of toes was not infrequent.

The condition was one in which there had been little previous experience and its pathology was not understood.

A report on the samples of pathological tissue has just been made by Major Nathan B. Friedman of the Army Institute of Pathology. Several varying effects of cold were

noted but in all cases were found the red blood cell plugs which had stopped the circulation and prevented its restoration. Hence part of the limb would lose its blood supply and gangrene would be the almost inevitable result.

The same condition could be produced in the rabbits limbs immersed half an hour in alcohol at minus 30 centigrade. This was a far more severe exposure than a soldier ever

would be likely to encounter. The clotting could be prevented in the rabbits, however, by injection of an anti-clotting substance known as heparin. Trapped rabbits were little the worse off when their limbs were thawed.

The rabbit experiments were conducted by Dr. Hurl Lanza David Weiner of the New York Medical College, working in operation with the Institute Pathology.

At the College—

Buy it at the "Cub"

Second & Wickersham

East 477

Mt. McKinley Ice Cream Co.

"THE PEAK OF QUALITY"

It's good!

It's good for you!

When in Town

Buy it at the store

University Bus Lines

Serving University of Alaska—Ester Mining Camp—Ladd Field Airport—on regular schedules with Modern Streamlined Busses.

We appreciate being consulted on special trips anywhere you might want to go. Ask us for special prices.

Phone East 40

Standard Garage Headquarters

Nordale Hotel

Telephone East 351

511 Second

Fairbanks, Alaska

The Polar Bear Laundry

(ON THE CAMPUS)

We will continue to operate during the summer.

The Alaska Cleaners & Tailors pick up and deliver on Wednesdays and Saturdays.

Clothes can be left at "The Cub"

in the Eielson Building.

CAROL BOYD, Manager

Alaskan Jewelers



WATCH REPAIRING

Watches—Nugget Jewelry

Gorham, Towle, Lunt and Alvin Sterling Silver

Costume Jewelry—Carved Ivory

205 Cushman Street

Fairbanks

Star Cab Co.

24-Hour Service in Fairbanks, Ladd Field College and University.

HOOPES, ALLISON and HOOPES, Proprietors

PHONE EAST 2

COLLEGE INN

GENERAL MERCHANDISE
Groceries, Candy and Soft Drinks

ALASKAN JADE

Cut and Polished—Send for Prices and Description.
Retailing a beautiful and varied assortment of genuine
Alaska-made Ivory Novelties.

DELIVERY SERVICE 3 DAYS A WEEK

DONNA HOCH, Manager

Telephone Univ. 8-W

College Road

Open 12 Noon to 6 P.M.

COLLEGE, ALASKA

FLY HOME

via

EDMONTON

or

VANCOUVER

Flights Daily Except Sunday
GOOD CONNECTIONS TO ALL
POINTS IN THE UNITED STATES

FOR INFORMATION
AND RESERVATIONS
PHONE EAST 373
EMPRESS BLDG.
FAIRBANKS

Canadian Pacific
AIR LINES
PASSENGER MAIL EXPRESS

PIE SHACK

HOMADE

Pies and Lunches

4 Miles out on College Road
Nick and Zeldo Eide

Phone: College

Closed on Mondays



NEW WOMAN
NEW WAY
TO HIGHLIGHT YOUR CHARM

"COLOR-LIGHT"
YOUR COMPLEXION WITH

YARDELY
ENGLISH COMPLEXION
POWDER

Eight Radiant Shades 1 1/4" x 6 1/2" x 1 1/2"

MADE IN U.S.A. PATENTED IN U.S.A. & FOREIGN COUNTRIES

Co-Op Drug

GRADELLE LEIGH
REALTOR INSURANCE

GILCHER BUILDING
Phone 126 518 2nd Ave.
Fairbanks, Alaska

Opportunity in the Golden
Heart of Alaska

Glenn Carrington and Company

International Tractors and Trucks

Ingersoll-Rand

Atlas Powder Co.

Harnischfeger Corp.

Mining and Contracting Equipment

FAIRBANKS SEATTLE NOME

Harvest Scene in Alaska



Harvest Scene in Alaska

News From Here And There

James Kennell, former student, arrived by train Wednesday, August 28. He was recently discharged from service and has returned to complete his education. He will enter as a junior.

Jim had 11 months on Okinawa and was there when General Buckner was killed in action.

It is good to have familiar faces return to the campus. Welcome Home!

Ruby Green, prominent University Junior, writes from her home in Oak Harbor, Washington, where she is visiting with her family. This is the first time that Ruby has been home since she came to Alaska in 1943.

Leaving the campus shortly after school was closed in May Ruby went down the highway to Whitehorse where she worked for a short time before going on to Skagway. A good portion of the summer was spent working there, going the latter part of July to Juneau where she joined her father on his fishing boat and made the trip with him to Oak Harbor.

Ruby plans on returning to the campus in time for the beginning of the fall semester.

Campus visitors July 23rd were Miss Barbara Barrack, former U. of A. student and Wellesley College classmate, Miss Alice I. Wally, of Columbus, Ohio, and Miss Mary Margaret Muleasey, of Boston, Massachusetts. Congratulations are extended to these young ladies, all of whom graduated from Wellesley in June.

Congratulations were received by Dr. Bunnell from Gene W. Rhode, class of '42 upon the passage of the bill establishing the Geological Institute. Gene and his family were leaving Bremerton, Washington, August 3, for Hope, Alaska, where he will teach in the Territorial School. He was particularly enthusiastic about getting back to Alaska and anxious to introduce his wife to his Alma Mater.

Home Ec Head Writes From Outside

Mrs. Gray Tully, head of the Home Economics Department at the University, who has been in the States this summer both studying and visiting with friends, many of whom are well known in Fairbanks, writes to Dr. Bunnell telling of her trip: "Baltimore, Md., August 1946.

"Dear Dr. Bunnell: "Just a note to let you know I'm still existing in spite of the heat. (Why did I ever leave Alaska?)

"Had a very profitable time in St. Paul. Miss McNeil assigned me an office and made out a schedule of classes for me. Had many conferences and poked in every corner. The Goldenrod sisters asked about you. Then I went out to the Experimental Station at Morris where I taught. They had written me in Fairbanks asking me to be on the program of 'The Homemakers Short Course.'"

"After Chicago and vicinity I went to Portsmouth, Ohio, to speak at a meeting. Then, on, to Cleveland to attend the American Home Economics Association. Over two thousand attended. It was stimulating.

"Of course I saw many old friends including one from Sidsa, Sidsa. She sailed again from New York in July.

"Strange thing the trend now in Home Economics is what we were doing of successfully seventeen years ago—eliminating many elective and moving home economics courses to earlier years. Also stressing individual differences and previous training. In fact I feel we are right in time in many ways.

"Saw Allen Sewell and Ivar Loring in New York. They are doing exceptionally well in the Cole Draft Governor business. Been in that with brothers and brothers-in-law since they came to the States.

"Saw L. A. Col. Fred Beeler and wife in New York. He was to be discharged July 15. He is going to teach again at Hillsdale, Mich.

"Talked to Frances Meeks in New York on her way to Seattle for vacation.

"Saw Ruth Tucker in Cleveland. She was studying at Chicago University in spring and expects to finish Ph.D. on her next leave. She

Dr. Bunnell Gives Clubhouse Site

A civic gesture that came as a great surprise to the Board of Directors and members of the Fairbanks Golf and Country Club occurred yesterday when Dr. Chas. E. Bunnell presented to the Club a deed for a hill-top clubhouse site.

is still doing research at King'ston, N.Y.

"Had dinner with Leslie Marchand at Beeler's. He had been in Texas doing some library work for his book on Byron. Has to make another trip to London before finishing it. He is teaching at Columbia this summer—Rutgers again in the fall with a nice promotion.

"In Washington, D.C. I saw Bob Bartlett but missed Joe Flakne and Henry Jostling who has just taken over the job as head of geophysical department in the Department of the Interior. I talked to Dee in Baltimore. They are living in a trailer in Silver Spring, Md.

"Had dinner with the Fletchers. He likes his job very much (is with the Department of Commerce). "I've been with my brother who is General Prebyster for Baltimore Prebyster—a big job.

"Now I'm on my way to Louisville, Ky. Then to see a brother in Salem, Ill. and a sister near San Francisco.

"Have been delayed a bit but hope to sail August 31, although Alaska S.S. won't take reservations until the week before sailing. Have also asked for plane reservations, in case.

"You will do well to read this. Am writing on the train.

"While at Annapolis I inquired about Neil Penno. He is at sea until October.

Most sincerely, "Lola."

Approximately two acres of land are described in the deed and this location will give the Golf and Country Club building a commanding view of the entire Tanana Valley.

Museum Notes

Of the four hundred fifteen visitors who signed the register during August, the signatures of Secretary Julius A. King and his party are perhaps the most notable to people in general; but to members of the Anthropology Department the name of Dr. Douglas Leechman, Canada,

day leading anthropologist, is very gratifying, because we are proud that our material is sufficiently outstanding to attract such an eminent scientist.

Forty States of the United States, Washington, D. C., Hawaii, Porto Rico, many parts of Canada, and many towns of Alaska are represented. Of the states represented, California leads with 39 names.

To remove ink stains from fingers, wet the head of a match and rub on the spot. Turn finger with soap and water. All traces of the ink are gone.

Carrots, boiled until tender, then rolled in melted butter or margarine and chopped ham, make a fine accompaniment for roast beef of lamb.

PORTRAITS—PHOTO FINISHING
FILMS AND SUPPLIES
Largest Victor, Columbia, and Decca Recordings
Sheet Music

GRIFFIN'S

Your Photography and Music Headquarters
Box 1347 Fairbanks

For Classroom or

That Weekend Date

at

Dale's Hollywood Shop

110 Cushman Street East 412

ANDREW NERLAND

FAIRBANKS, ALASKA

LINOLEUM RUGS FURNITURE PAINTS
GLASS SASH AND DOORS BUILDING MATERIAL
PLASTERBOARD CELOTEX

"Quality"



"Service"

WHOLESALE AND RETAIL DEALERS IN

Staple and Fancy Groceries, Hay, Grain and Feed, General Hardware, Paints, Oils and Glass, Boots and Shoes, Crockery and Glassware, Furniture, Carpets, Rugs and Linoleum, Dry Goods, Building Material, Kitchen Utensils, "Ball Band" Rubber Goods Star Brand Shoes, Woolrich, Pendleton and Black Bear Clothing.

Northern Commercial Co.

THE

FIRST NATIONAL BANK OF FAIRBANKS

FAIRBANKS, ALASKA

Requests from out-of-town customers given careful attention. We issue Local and Foreign Drafts and Travellers' Checks.

WE SOLICIT YOUR BUSINESS

The Farthest-North National Bank

The Apparel Shop

Second at Lacey Fairbanks, Alaska

Appropriate Clothes for School and

Office Wear

Novelty Jewelry - Perfumery

Lucille Albin and Mary McKenna

Second at Lacey Harvard 686

BERNIE CARR

Men's Clothing and Furnishings

Where Quality Tells
and Price Sells.



The Fastest and Most Comfortable Route
to Seattle
via

Pan American Airways, Inc.

MODEL CAFE

"MEET YOUR FRIENDS THERE"

Good Food — Courteous Service — Reasonable Prices
The MODEL BAKERY is Again Ready To Serve You

MODEL BAKERY IN CONNECTION
With Its Delicious BAKERY GOODS

546 SECOND AVENUE

PHONE: EAST 125

H. B. Avakoff

Expert Watch
Repairing
Engraving

Diamond Setting and
Jewelry Made to Order

Appointees Named By Pres. Bunnell

(Continued from Page One)

T. Sgt. Laurence J. Stafford and Sgt. Robert L. Jordan.

Physics and Electrical Engineering: Dr. R. P. George and Dr. S. S. West.

School of Mines: H. G. Wilcox, and Supervisor of Mining Extension, Richard C. Ragle and Earl Bestlake.

Registration Date Set Mon., Sept. 16; Classes Wednesday

(Continued from Page One)

Several courses in Anthropology, English Literature, English Composition, Foreign Language, History, Music and Geology are recommended. These may be taken by anyone who can qualify for entrance as a special student. Full College credit will be given to those completing the course in a satisfactory manner. Up to seven credit hours may be taken at a cost of not more than \$15.00 per semester to residents of Alaska. For non-residents the cost will not exceed \$30.00 per semester.

Regular bus service is rendered by the University Bus Lines and the winter schedule will begin on Sunday, September 15.

Red Cross

Drug Store

FAIRBANKS, ALASKA

HANDICRAFT

Eskimo

Carved Ivory Curios, Models, Moccasins, Mittens, Mukluks, Fur Jackets and Parkas.

We deal direct with the Eskimos of King, Diomed, and St. Lawrence Islands, Wales, Shishmareff, and Nome.

SEND FOR OUR CATALOG
Dealers please write for Terms.

A. Polet

NOME, ALASKA
Established 1900

Night Classes

Answering the many inquiries with reference to a night school, classes for which are not being scheduled, it is requested that all interested in attending night classes address their inquiries to the Registrar. It is suggested that the inquiry include a brief statement as to the subject and the number of classes desired.

Last Rites For Mrs. Thelma Huber

In response to the wishes of Mrs. Huber, on August 5, Alaska Airlines flew a plane toward Mt. Hayes and Cathedral Peaks and scattered her ashes across the valley. Mrs. Huber was the wife of Captain Russell B. Huber, former Associate-Professor of Civil Engineering and Instructor in Military Science. She was the victim of cancer and passed away in a hospital in Albany, New York, July 15, 1946. It is with sympathy and understanding that this last rite was performed for one so loved by the entire community.

U. S. Director Sees Extension Service Here

(Continued from Page One)

Discussing trends in the work Director Wilson pointed out several developments.

1.—The increasing attention to the training of Extension agents, both in service and in college, with some institutions giving courses for advanced study.

2.—More attention to research in Extension methods. Most States set aside five percent of Extension funds for training workers and a full-time specialist is employed to direct research.

Change Recommended

Director Wilson stated, "Alaska is not getting its proportion of Federal Extension funds and I am in hopes that the Bandhead-Planning Bill can be changed so as to apply to Alaska." He also expressed the opinion that the "Territorial government should increase the appropriations for Extension Service in order that work might be extended to all parts of the Territory. Adult education is a phase of Extension work in which Director Wilson is particularly interested and the field that homemakers, farmers, and gardeners should be given every opportunity to increase their knowledge of agriculture and home life. He is also in favor of 4-H club work being extended so as to reach boys and girls in every part of the Territory.

With increasing facilities for advanced study, better pay, and favorable retirement laws, Extension workers are attempting most effective teaching. Mr. Wilson went on to say new methods are being tested in "pilot" counties. Iowa, for instance, has four counties trying out the rural architect specialist. If successful, other counties will follow suit. Several pilot counties are working on cooperative health facilities.

The new trends in 4-H Club work place emphasis on well-rounded experiences for teenagers, with greater attention to the training of 4-H agents who have the talent and like to work with young people. There is also a new interest in the 30 to 30 age group.

In home demonstration work the war brought great interest in foods and nutrition and has stimulated farm women to take more active interest in public problems. One interesting outcome has been the

city demand for Extension specialists in horticulture and food preservation.

Ladd Field Visit

At Ladd Field Director Wilson was taken through the cold storage facilities by Colonel Merrick and was pleased to see local produce coming in to the Army Commissary. He talked with a number of farmers who were delivering produce and made the suggestion that all produce be well graded and of good quality.

The University Museum held a great deal of attraction for Director Wilson and the afternoon spent in this institution with President Bunnell proved most interesting to our visitor.

In the Matanuska Valley Director Wilson met with a Homemakers Club and witnessed a demonstration in making rolls given by Mrs. Margaret Martin, Home Demonstration Agent for that District. He also met with a group of farm men and women and discussed with them problems pertaining to agriculture and home economics. He was interested in the request by the Grange Agricultural Committee that more and better Extension work be provided for all the people of Alaska. A number of rural homes were visited in which he had the opportunity of discussing with both

men and women problems pertaining to agriculture.

During his visit Director Wilson met with the Riverbend Homemakers Club, also with an informal group of Matanuska farmers who he called on a number of settlers. He was particularly interested in the excellence of the garden and berry crops. He recommended greater attention to the problems of growing food for the family to reduce the high cost of living and was particularly concerned over the increasing demand for Extension Service on the limited budget available to Alaska at the present time.

Honored at Dinner

At the University of Alaska Experiment Station at Matanuska a dinner was given by Mr. and Mrs. Ballou and Mr. and Mrs. Fisenian in honor of Director Wilson. Mr. and Mrs. Harold Rice entertained for

the Director at a dinner in Fairbanks. Director Wilson thoroughly enjoyed the trip to Alaska and was very much delighted in being able to make the drive over Eagle Road to Circle, and over the Badgeron Highway to the Matanuska Valley and Anchorage. He left a change by plane on August 24th, to return to his office in Washington, D. C.

Seattle's Topical
NEW WASHINGTON
250 Rooms All With Bath
Close to Theaters and Stores.
You'll like the comfort, convenience and service.
Rates From \$3.99

EYES EXAMINED

GLASSES FITTED

Dr. Mary Garrett McLean
REGISTERED OPTOMETRIST

TELEPHONE EAST 497

210 LAVERY BLDG.

FAIRBANKS, ALASKA

HEALY RIVER COAL CORPORATION

MINERS AND DISTRIBUTORS OF SUNTRANA COAL
WE SUPPLY ALL POINTS ON OR NEAR THE ALASKA
RAILROAD WITH DEPENDABLE FUEL AT
REASONABLE PRICES

For screen entertainment at its best
Visit the Lacey or Empress
The Empress Circuit of Alaska

CAPT. A. E. LATHROP

ANCHORAGE

— CORDOVA —

FAIRBANKS

Fairbanks Professional & Business DIRECTORY

DRUGS

RED CROSS DRUG STORE

Telephone East 45
109 CUSHMAN STREET

CORNER DRUG STORE

Telephone East 133
Cor. First & Cushman Sts.

COOPERATIVE DRUG COMPANY

Telephone East 41
529 SECOND AVE.

MEAT MARKETS

Waechter Bros.
Fresh and Smoked Meats
Poultry and Fish
Phone East 103 and Cushman

PIGGLY WIGGLY

Quality Fresh Meats
U. S. Gov't. Inspected
Phone East 256 323 2nd Ave.

INSURANCE

ALASKA
INSURANCE
AGENCY
General and Life Insurance
John Buterovich, Jr. — Art Hays
Fairbanks, Alaska

INSURANCE OF ALL
KINDS
Except Life
Fairbanks
Insurance Agency
Empress Bldg. Fairbanks

LADIES DRESSES

GORDON'S
Since 1905
4TH and CUSHMAN STS.

N. C. Company
Everything for the Lady
TELEPHONE HARVARD 1

Mining Machinery

Mining Machinery
Glenn Carrington
& Co.
North Turner St.

DENTISTS

Dr. E. I. Baggen
Telephone East 180
NORTH POLE BLDG.

Dr. H. G. Hughes
Marion Bldg.
East 42

BANKING

First National Bank
The Farthest North
National Bank
Second Ave. & Cushman St.

TAXIS

PIONEER CAB CO.
24-HOUR SERVICE
Anytime—Anywhere
Telephone East 10 (510 2nd Ave.)

Attorneys-at-Law

RIVERS & BELL
Telephone Harvard 41
200 CUSHMAN STREET

FURNITURE

Andrew Nerland
FURNITURE - PAINTS
BUILDING MATERIAL
207 CUSHMAN STREET

West Coast Grocery Co.

WHOLESALE GROCERS
Featuring

Amocat Products
The Peak of Quality

Fairbanks

Alaska

DRINK

Coca-Cola
The pause that refreshes

ALASKA BEVERAGE CO.

Fairbanks, Alaska

Phone - Harvard 28