

PRINCETON EXPEDITION TO CANADA

The Princeton Alumni Weekly announces plans for a tour of Canada by college students in the Pullman car "Princeton," which has been used for the last eight years in university geological expeditions.

The project is sponsored jointly by two divisions of Princeton University—the School of Public Affairs and the Summer School of Geology and Natural Resources. Princeton faculty members conducting the party will be Richard M. Field, associate professor of geology; Leslie T. Fournier, assistant professor of economics, and Erling Dorf, assistant professor of geology. Professor H. A. Innes, of the department of economics at the University of Toronto, has been selected by the president of that university to join the party in Canada and to act as one of the leaders.

Exact details of the itinerary have not yet been determined, but the trip will probably extend through Ontario and the western provinces. The car will leave Princeton on August 1 and will return a month later. The party will number about thirty.

Four scholarships will be provided, two by the School of Public Affairs and two by the Summer School of Geology. Other students making the trip will pay their own expenses, about \$450. The course is open to accredited students of Princeton or other institutions who are properly grounded in politics, economics or geology, who have good scholastic records and who have "a definite and suitable intellectual purpose in wishing to make the trip."

An important feature of the trip will be the opportunity for frequent meetings and discussion with Canadian citizens. In a statement made by President Dodds, he says:

The enterprise is being undertaken in the conviction that many of the problems which confront the United States in the politico-economic field, such as problems of natural resources, of agriculture, of land and water transportation, and of labor, can not be well understood without knowledge of similar situations in Canada, or brought to a good solution without an exchange of information and ideas and general cooperation between the two countries. The need has long been apparent, but it is especially emphasized at this time when economic stress is imposing upon governments everywhere the necessity for more careful planning. It is necessary that citizens of the United States should become more fully acquainted with the progress which has been made in Canada and it is important that citizens of both countries should meet and discuss their mutual interests informally and without political implication.

The following list of possible subjects is suggested:

Geological Problems—Ground water and surface water resources of North America. Soil distribution and classification; forestation, erosion and flood control. Special-

use coals in North American energy resources. Known occurrence and prospective reserves in North America of petroleum, natural gas, asphalts, bitumens, tar sands, other non-metallics and metallics. Gold. National parks and monuments. Earthquake problems.

Politico-Economic Problems—St. Lawrence Waterway project. Money and currency policy in the two countries; foreign exchange relations. U. S. investments in Canada, and *vice versa*. Canada's minerals and their implications. Control of raw materials in Canada. Canadian governmental policy with respect to exploration for and exploitation of minerals. Ownership and control of the power industry in Canada. Government *vs.* private ownership of Canadian railways. Canadian methods of unemployment relief. Canadian methods of taxation—federal, provincial and local (single tax). Agricultural credit. Government subsidies. Branch banking. Canada's position in the world wheat markets. Canada's anti-trust policy. Canada's balance of trade.

STUDENT SCIENTIFIC CONFERENCE AT SMITH COLLEGE

THE fifth annual meeting of the Connecticut Valley Student Scientific Conference will be held at Smith College on Saturday, April 14.

The conference is a student project undertaken by the students for the purpose of exchanging ideas and knowledge of scientific value, and is modeled after the American Association for the Advancement of Science. The guest speaker, Dr. Allan Winter Rowe, director of research at the Evans Memorial Hospital in Boston, will address the group in the morning on "Endocrine Influences in Growth and Development." With this exception, the whole program is in the hands of the students. One hour in the morning from 12 to 1 o'clock will be devoted to talks of 10 to 20 minutes given by the students in the different scientific fields ranging from biology, physics and psychology to home economics. Following a buffet luncheon, three hours in the afternoon, from 2 to 5 o'clock, will be devoted to further talks and demonstrations, thus giving the students plenty of time to visit the laboratories. The afternoon program will be concluded with a tea-dance, open to members of the conference.

The registration of students at last year's meeting at Wesleyan University numbered 562. Representatives are expected from the following colleges: Amherst, Connecticut, Connecticut State, Dartmouth, Massachusetts State, Mt. Holyoke, Smith, Springfield and Wesleyan University.

RESEARCH CONFERENCE ON SPECTROSCOPY AND ITS APPLICATIONS

OWING to the success of the Conference on Spectroscopy held at the Massachusetts Institute of Technology last summer, which was attended by over 100 scientific men from America and abroad, it has been decided to hold a second conference this year. In ad-

dition to the fields covered previously, special emphasis is to be laid on applications of the spectroscope to investigations in biology and medicine. It is believed by those sponsoring the conference that the rapid strides being made in certain fields through the use of the spectroscope, and the growing certainty of important borderline investigations which will be developed in increasing number when knowledge of the power of spectroscopic methods of analysis becomes more wide-spread, insure the success of any meeting held for the discussion of such topics. The object of the conference is to promote understanding and cooperation between spectroscopists and investigators in fields in which the spectroscope is useful, and it is expected that the papers and discussions to be presented will be prepared with this in mind, and will be of general interest.

A program of papers and discussions is being prepared among others on the following topics:

"Absorption Spectrophotometry: Application of Absorption Measurements to Analysis of Organic and Inorganic Substances and to the Diagnosis and Treatment of Disease."

"Analysis by the Emission Spectrum: Determination of Metallic and Other Atomic and Molecular Constituents of Samples by Study of Their Emission Spectrum, with Special Emphasis on Quantitative Analysis."

"The Biological and Chemical Effects of Spectral Radiation."

"Spectroscopy of the Ultra-violet and Infra-red."

"Analysis of Spectra, and Measurement of Wavelength."

It is anticipated that the earlier sessions of the week will be of especial interest to biologists, medical research workers and chemists. The main emphasis will then shift to subjects of chief interest to the industrialist and engineer, the geologist and the metallurgist. The latter part of the week will be devoted to the more theoretical problems of the spectroscopist. The meetings will be open to any one interested and copies of the detailed program will be sent on request.

The institute is also announcing a special program of summer courses on "Spectroscopy and its Applications" to be given during the six weeks preceding the conference, which will deal primarily with applications of spectroscopy to biology, chemistry, geology, metallurgy and mineralogy. Arrangements are being made so that thesis students in other institutions who are working in these fields on problems, portions of which would be facilitated by the use of spectroscopic technique, may carry on this part of the work at the laboratories of the institute during the early summer. Further information can be obtained from Professor G. R. Harrison, of the department of physics.

THE TORONTO MEETING OF THE AMERICAN ASSOCIATION OF MUSEUMS

THE Toronto meeting of the American Association of Museums will be held for three days beginning on May 30. According to *The Museum News*, the British Museums Association has named a strong delegation, including officers of the association and representatives of the British Museum and several provincial museums. There will be many delegates from Canadian museums, and a new record attendance from the United States is indicated by the nearness of Toronto to our own middle-western and eastern cities.

The delegation from overseas is to be as follows: J. W. Baggaley, Museum and Art Gallery, Sheffield; Marian Frost, Museum and Art Gallery, Worthing; S. F. Markham, Empire secretary of the Museums Association; H. W. Maxwell, Museum and Art Gallery, Bristol; W. A. Smalleombe, Museum and Art Gallery, Reading; W. E. Swinton, British Museum (Natural History), London; E. W. Wignall, secretary of the Museums Association.

Plans being made for the stay in Toronto of those attending the meeting will give opportunity for economical hotel arrangements. Expenses of travel to the meeting will also be moderate this year. The railroad fare to Toronto from New York City is only \$2 more than the fare to Buffalo, and the fare from Chicago to Toronto is about half of that from Chicago to New York or Philadelphia. Summer railroad rates will be in effect at the time of the meeting, with round-trip rates almost as low as winter one-way rates.

RECENT DEATHS

MAJOR GENERAL GEORGE O. SQUIER, U. S. A. (retired), chief signal officer of the Army, from 1916 to 1918 in charge of the Army air service, died on March 24. He was sixty-nine years old.

DR. HENRY W. UNDERWOOD, JR., assistant professor of chemistry at the Massachusetts Institute of Technology, died on March 20. He was thirty-eight years old, and had been a member of the staff since 1920.

EDWARD H. FARRINGTON, professor of dairy husbandry at the University of Wisconsin from 1894 to 1927, when he retired with the title of professor emeritus, died on March 22 at the age of seventy-three years.

DR. JOHN M. POOR, professor of astronomy at Dartmouth College, has died at the age of sixty-three years.

THE death is announced in his eighty-third year of Ruthven Deane, of Chicago, known for his work in ornithology.