

In making the announcement, Dr. Compton said: "The experience of the small group of honorary fellows during our experimental program of the past five years and their remarkable record of success following their fellowship year is convincing evidence of the soundness of this step in administrative education."

The new program will be under the direction of Professor Erwin H. Schell, head of the department of business and engineering administration, who has been in charge of the five-year experimental plan, aided by an advisory committee of educators and executives.

Members of the committee have been appointed as follows: Dr. A. Lawrence Lowell, formerly president of Harvard University; President Frank Aydelotte, of Swarthmore College; The Reverend Leslie Glenn, rector of Christ Church, Cambridge; Edmund C. Mayo, president of the Gorham Manufacturing Company, and President Karl T. Compton, of the Massachusetts Institute of Technology. The faculty will include authorities in the various fields to be covered, business executives collaborating in special studies.

The honorary fellows will live together as a special group, and part of their training will include administrative seminars, weekly conferences with distinguished business and industrial administrators and original research. The unmarried fellows will have quarters in the Graduate House, with a special dining-room and a conference lounge set aside for weekly dinners and business conferences with industrial executives. Special provisions will be made for housing married students.

GEOLOGICAL MAP OF LABERGE AREA, YUKON

A FOUR-MILE-TO-THE-INCHE colored geological map of the Laberge Area, Yukon, showing geological boundaries, topography, roads, trails and other features, has been issued by the Geological Survey, Department of Mines and Resources, Ottawa. The map is based on investigations made in recent years by W. E. Cockfield, H. S. Bostock and E. J. Lees and forms a connecting link between the work done in the southern and in the west-central regions of Yukon. It shows the main route of travel down the Lewes River, and should accordingly be particularly useful to prospectors unfamiliar with the region.

Although the Laberge area is traversed by the main water and land routes in Yukon Territory, it has received little attention from the hundreds of prospectors that have traveled the routes on their way to the Klondike area. It is apparent from the investigation made by the department, however, that several sections of the 4,600 square mile area merit attention. In general it has been found that the western half of the area gives promise of yielding non-metallic minerals, particularly coal, in commercial quantities and that the

formations in the eastern half are suitable for the occurrence of metals. All known coal deposits are shown on the map, and all are within easy reach of transportation. There has been no production from these deposits, but some of them are similar in nature to those that have been under development for years in the Carmacks area to the northwest.

Placer gold deposits were first discovered in the area in 1881, and deposits have since been found on the bars of Lewes, Teslin and Big Salmon rivers, and on several creeks along the western slope of the Big Salmon range. Lode copper-gold deposits have been found at Loon Lake, and some veins have been staked for lode gold on Livingston Creek, at present the most important source of placer gold output in the area.

THE COAL RESEARCH LABORATORY OF THE CARNEGIE INSTITUTE OF TECHNOLOGY

ACCORDING to the report of a committee appointed by the Board of Trustees of the Carnegie Institute of Technology, of which Dr. Thomas S. Baker is chairman, the sum of approximately \$350,000 has been subscribed for the support of the Coal Research Laboratory, thus assuring its continuance for four more years.

Formal announcement was made on March 24, at a meeting in the Engineering Societies Building in New York, attended by representatives of the companies and organizations which are the financial sponsors of the laboratory. A report on the scientific investigations being made at the laboratory was given at the meeting by Dr. H. H. Lowry, director.

The fund committee, which, besides Dr. Baker, consists of Dr. John Johnston, director of research for the United States Steel Corporation, and Howard N. Eavenson, mining engineer of Pittsburgh, began work a year ago to secure additional funds for the continuance of the laboratory. In 1930, when it was founded, sufficient funds for a six-year research program on bituminous coal were given by the Buhl Foundation, the Carnegie Institute of Technology and by six large industrial firms, namely, the U. S. Steel Corporation, the General Electric Company, the Koppers Company, the New York Edison Company, the Standard Oil Company of New Jersey and the Westinghouse Electric and Manufacturing Company.

Through the efforts of the committee, a large number of companies have become sufficiently interested in the work of the laboratory to promise financial aid. Whereas the original grant was secured from a small number of companies, the Buhl Foundation and the Carnegie Institute of Technology, the gifts secured by this committee have been made by a more diversified group of interests, particularly by coal-mine owners and railroads.

The original sponsors for the laboratory which have again given financial support include the Buhl Foundation, the Carnegie Institute of Technology, the U. S. Steel Corporation and the General Electric Company. Contributions now have been made by twenty organizations that did not originally support the laboratory. The members of the fund-raising committee are also members of the technical committee which arranges the scientific program of the laboratory.

SEISMOLOGICAL OBSERVATORY AT WILLIAMS COLLEGE

A SEISMOGRAPH has recently been placed in operation at Williams College. The installation is a gift of Mr. and Mrs. John S. Palmer, 2nd, of Providence, R. I., in memory of their son, Julius Palmer, who, with two of his classmates and Professor Herdman F. Cleland, was lost in the sinking of the steamship *Mohawk* on January 24, 1935.

The station has been placed in the sub-basement of the geological museum at Lat. $42^{\circ} 42.85' N.$, Long. $73^{\circ} 12.66' W.$, elevation 219 meters, and rests on solid Cambrian dolomite a few inches below the floor level. The instruments consist of a Benioff vertical-component seismometer connected with long and short period

Miller galvanometers. Time control is obtained from a Seth Thomas regulator clock, registering minute and hour marks on the records and checked daily by U. S. Naval Observatory time signals. The separate rooms for seismometer, recording units, photographic work and radio time control are all constructed of hollow tile and effectively insulate the equipment from the remainder of the building. Very little interference by vibrations from street traffic, trains or disturbances originating in the building is evident on the records.

Dr. N. H. Heck, president of the Seismological Society of America and chief of the Section of Terrestrial Magnetism and Seismology of the U. S. Coast and Geodetic Survey, delivered a brief address at the dedication of the observatory on February 22, outlining the several contributions which may be expected from an installation of this type. Arrangements have been made to cooperate with Science Service and the U. S. Coast and Geodetic Survey in the study of teleseismic activity, while a study of local earthquakes will be made in cooperation with the other Benioff-equipped stations of New England located at Harvard, Weston and Burlington.

ELWYN L. PERRY

SCIENTIFIC NOTES AND NEWS

THE French decoration of Commander of the Legion of Honor was on March 16 conferred on Dr. Robert A. Millikan, of the California Institute of Technology, for his work "in the fields of science and international relations." M. Pascal Bonetti, delegate of the French Ministry of Public Instruction, traveled to the United States especially to bring the award. M. Jean Viala, French consul at Los Angeles, made the presentation.

DR. NIELS BOHR, Hitchcock lecturer at the University of California, was awarded the degree of LL.D. at the Charter Day exercises of the university on March 23. In conferring the degree, President Robert G. Sproul said: "Clear and penetrating thinker concerning the most abstruse problems of the physical world; herald of the concept which is the basis of modern study of the structure of matter; specialist endowed with the highest form of scientific imagination; blessed and blessing with kindness and true humanity."

It is announced by the senate of the University of Edinburgh that an honorary degree will be conferred by the university on Dr. L. H. Baekeland, honorary professor of chemical engineering at Columbia University.

A COMMITTEE representing the departments of philosophy of Amherst College, the University of Minne-

sota and Columbia University honored Dr. Frederick J. E. Woodbridge, Johnsonian professor of philosophy at Columbia University, on the anniversary of his seventieth birthday. The ceremony was held in the Harkness Pavilion of the Columbia-Presbyterian Medical Center, where he is convalescing after an operation. The committee presented to Dr. Woodbridge a volume of his own essays and addresses collected by his former students and associates and published in recognition of the anniversary.

THE New York University College of Engineering will dedicate a new building and power plant in honor of Dr. Collins P. Bliss, dean emeritus, on April 3 at 11:30 A. M. Dr. Bliss retired as administrative head of the college last July after serving for forty years as a member of the faculty. He was succeeded by Dean Thorndike Saville. Dr. W. R. Gregg, chief of the U. S. Weather Bureau; Arthur S. Tuttle, New York state director of the Federal Emergency Administration of Public Works and project engineer of the PWA Queens Midtown Tunnel, who is chairman of the Committee on Engineering of the New York University Council; Dr. Frank B. Jewett, president of the Bell Telephone Laboratories, and Dr. Harvey N. Davis, president of the Stevens Institute of Technology, are among the speakers who will participate in the ceremonies.