

the pioneer experiment stations in this country. It was organized by act of the state legislature in 1880, thus antedating the Hatch Act by 7 years, and is still maintained without direct federal aid, though associated closely with the New Jersey College Experiment Station under a common directorship since 1895. Its establishment and early development were due largely to the efforts of Dr. George H. Cook, pro-

fessor of chemistry and natural science in Rutgers, who was its director until his death in 1889. Its subsequent growth and progress have been profoundly influenced by Dr. E. B. Voorhees, its director from 1893 to 1911, and Dr. J. G. Lipman, director since 1911. A feature of the celebration was the unveiling of a memorial tablet commemorating the services of Dr. Cook and Dr. Voorhees.

## SCIENTIFIC NOTES AND NEWS

ACCORDING to an Associated Press dispatch from Stockholm the Nobel Prize in medicine has been awarded to Dr. Karl Landsteiner, formerly of the University of Vienna and since 1922 a member of the Rockefeller Institute for Medical Research in pathology and bacteriology.

DR. OTTO FOLIN, professor of biochemistry at Harvard University, has been named as the first recipient of the Scheele Medal, awarded him by the Chemical Society of Stockholm. Award of the medal was announced in connection with the dedication of the Institute for Biochemistry building in Stockholm.

THE Perkin Medal for 1931 has been awarded to Arthur D. Little. This medal is awarded on a basis of a lifetime of achievement by a committee composed of representatives of five leading chemical societies. The presentation will be made at a joint meeting of the societies to be held on January 9, probably at the Chemists' Club, New York.

DR. HUGH S. CUMMING, surgeon-general of the United States Public Health Service, was installed on October 31 as president of the American Public Health Association, succeeding Dr. A. J. Chesley, of St. Paul, Minnesota. Dr. William C. Hassler, health officer of San Francisco, was named president-elect to take office when Dr. Cumming has completed his term in 1931. Other officers named who will assume office next year are Dr. Rafael Silva, of Mexico, first vice-president; Dr. J. W. S. McCullough, of Toronto, second vice-president; Dr. A. H. Flickwir, of Fort Worth, third vice-president; Dr. Louis I. Dublin, of New York, treasurer, and Dr. W. S. Rankin, of Charlotte, North Carolina, chairman of the executive board. Mr. Homer N. Calver, of New York, was reappointed executive secretary.

At the forty-first annual meeting in Denver, October 14-16, of the Association of American Medical Colleges, the following officers were elected: *President*, Dr. Maurice H. Rees, Denver; *Vice-president*, Dr. Charles C. Bass, New Orleans, and *Secretary-treasurer*, Dr. Fred C. Zapffe, 25 East Washington Street,

Chicago (reelected). The next annual meeting will be held in New Orleans in 1931.

DR. CARLETON R. BALL, formerly principal agronomist in charge, Office of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, and now engaged in agricultural writing, was elected president of Gamma Sigma Delta, Honorary Society of Agriculture, at its annual meeting on October 14.

CARLOS E. CHARDON, commissioner of agriculture of Porto Rico, has been elected chancellor of the University of Porto Rico, succeeding Dr. Thomas E. Benner, who is now at Teachers College, Columbia University. Commissioner Chardon, who is thirty-three years old, is a graduate of Cornell University and is the first Porto Rican chosen to head the university.

DR. A. L. STRAND, of the University of Minnesota, has accepted the appointment as head of the department of entomology at the Montana State College, Bozeman, succeeding Professor R. A. Cooley, who will devote himself to research work. The appointment carries with it the positions of entomologist of the experiment station, state entomologist and secretary of the State Board of Entomology.

DR. RALPH W. CHANEY, of the Carnegie Institution of Washington, who has been carrying on teaching in the department of paleontology at the University of California during the past semester in conjunction with his work for the institution, has been appointed lecturer at the university. He is instructing some of the classes which were given by Professor W. D. Matthew, chairman of the department, whose death occurred on September 24.

RAYMOND H. ROGERS, class of 1925, New York State College of Forestry, in charge of the Iroquois Forest of F. Ambrose Clarke, Cooperstown, New York, has been awarded a forestry fellowship by the Charles Lathrop Pack Forest Education Board.

DR. H. T. HILLSTROM, of the University of Minnesota, has been appointed head of the department of roentgenology and radio-therapy at Vanderbilt University.

*Nature* reports that the council of the University of Manchester has accepted with regret the resignation of Professor O. T. Jones, who has held the chair of geology and the directorship of the Geological Laboratories since 1919. Professor Jones has been elected to the Woodwardian chair of geology in the University of Cambridge, and will vacate his Manchester appointment in December. The council has also accepted the resignations of Dr. John Walton, senior lecturer in botany, who has been elected to the Regius chair of botany in the University of Glasgow, and of Mr. L. J. F. Brimble, lecturer in botany.

DR. J. E. ACKERT, professor of zoology, experiment station parasitologist and chairman of the graduate council in the Kansas State Agricultural College, is spending the year 1930-31 abroad. He participated in the fourth World's Poultry Congress in London in July, and the eleventh International Zoological Congress in Padua in September. Dr. Ackert will be at the Molteno Institute of Parasitology, University of Cambridge, England, during the rest of the year.

PROFESSOR A. ELIZABETH ADAMS, of the department of zoology at Mount Holyoke College, is carrying on investigations in the department of animal genetics at the University of Edinburgh, Scotland.

J. E. CHAPMAN, assistant professor of agronomy of the North Dakota Agricultural College, has returned from Cornell University where he spent his sabbatical leave in study for an advanced degree.

DR. A. H. GEE, assistant professor of bacteriology at the Scripps Institution of Oceanography, the University of California, has returned from a summer spent at the Laboratory of the Carnegie Institution at Tortugas, where he made a collection of representative corals which has been added to the series of collections of the Scripps Institution.

DR. AND MRS. WILLIAM M. MANN left Washington on October 24 for New York City where they embarked for points in Panama and Honduras. The trip is primarily a vacation, but it is anticipated that Dr. Mann will obtain both plants and animals that will be needed for stocking the Reptile House of the National Zoological Park, which should be in condition to receive them upon his return early in December.

DR. ANSON HAYES, director of metallurgical research with the American Rolling Mills Company, was the guest of honor and speaker at a dinner of Sigma Xi at Iowa State College on October 23. He addressed the society on "Industrial Research and Some of the Tools it Uses."

DR. WILLIAM MCPHERSON, president of the Amer-

ican Chemical Society, is making a lecture tour of twenty-two local sections of the society. He is addressing sections in Kentucky, Indiana, Illinois, Missouri, Kansas, Oklahoma, Texas, Louisiana, Alabama, Florida, Georgia, Tennessee, North Carolina, Virginia and West Virginia. The titles of his lectures are (1) "Methods of Nature"; (2) "Reminiscences of Great Teachers of Chemistry," and (3) "Chemistry of Organic Compounds of Titanium." His tour began on October 27 and ends on December 5. These lectures were arranged by the local section officers committee, of which Dr. Ellice McDonald is secretary.

THE second Henry Herbert Wills Memorial Lecture in physics, founded to commemorate the gift of the laboratory to the University of Bristol, was given by Professor J. Franck, of the University of Göttingen, on October 25, in the Henry Herbert Wills Physical Laboratory. The title of the lecture was "Relations between Spectroscopy and Chemistry."

CLARENCE H. MACKAY, president of the Postal Telegraph Cable Company, dedicated and laid the cornerstone of the new Mackay Science School building at the University of Nevada on October 24 for which Mr. Mackay gave the university \$415,000, bringing the total gifts to the university of the Mackay family to more than one and a half million dollars. Judge George S. Brown, president of the Board of Regents, accepted the gift.

IN accordance with an agreement made by the Boards of Trustees of Ohio Wesleyan University and Ohio State University, students registered in the latter institution may carry on research work in astronomy and astrophysics at the Perkins Observatory of Ohio Wesleyan University under the supervision of its director. Graduate work may be arranged on the terms of the agreement which will lead to the degree of doctor of philosophy in astronomy and astrophysics, the degree to be granted by the Ohio State University, and the work to be published in the *Contributions* of the Perkins Observatory.

DR. RICHARD T. FISHER, director of the Harvard Forest, announces that an endowment fund of \$200,000 has been created for research work in the forest. The endowment will be known as the Charles Lathrop Pack Forestry Fund. Mr. Pack gave \$100,000 on condition that the same amount should be raised from other sources; that provision has now been fulfilled. The Harvard Forest is at Petersham, Massachusetts, where about 2,000 acres of valuable timberland were acquired in 1907 through the generosity of John S. Ames, '01. Several neighboring tracts have since been added.

THE *American Journal of Cancer*, the first number of which will appear on January 1, is a direct continuation of *The Journal of Cancer Research* which originated with the American Association for Cancer Research. The publication of the new journal has been rendered possible by the generosity of Mr. Garvan and Mr. Buffum, of the Chemical Foundation. The next number will be Volume xv, thus directly continuing *The Journal of Cancer Research*. With the ample funds which have been provided, it will be possible not only to print the research articles which have been appearing in *The Journal of Cancer Research*, but also to include clinical, statistical and educational aspects of cancer, together with abstracts of the most important articles on cancer. Dr. Francis Carter Wood will be the editor, and the journal will be published at Crocker Institute of Cancer Research, 1145 Amsterdam Avenue, New York.

BEGINNING January, 1931, the American Society of Clinical Pathologists will publish a bi-monthly journal known as the *American Journal of Clinical Pathology*. This journal will publish original papers dealing with all phases of clinical pathology and closely related subjects. The editors will also make an effort to publish articles dealing with new methods and comparisons of old methods in the application of clinical pathology to medicine and surgery. Manuscripts should be sent to Dr. T. B. Magath, editor, Mayo Clinic, Rochester, Minnesota. The advisory editorial board consists of Drs. J. A. Kolmer, A. H. Sanford, B. C. Crowell, R. A. Keilty, F. W. Hartman, Herbert Fox, K. M. Lynch, S. P. Reimann, W. S. Thomas, C. S. Butler, R. A. Kilduffe and H. J. Corper.

THE appointment of Dr. W. B. White, chief of the food control laboratory, Food and Drug Administration, U. S. Department of Agriculture, as a member of the Food Standards Committee, was approved on October 14 by Secretary of Agriculture Arthur M. Hyde. This appointment fills the vacancy created by the death of Dr. R. W. Balcom, former chief of the food control laboratory. The Food Standards Committee consists of nine members, three representing the U. S. Department of Agriculture, three the Association of Dairy, Food and Drug Officials of the United States and three the Association of Official Agricultural Chemists. The committee acts in an advisory capacity to the Secretary of Agriculture and to the Food and Drug Administration. Its personnel, in addition to Dr. White, is as follows: W. C. Geagley, state analyst, Department of Agriculture, Lansing, Michigan; E. L. Redfern, chief chemist, Department of Agriculture, Des Moines, Iowa; Guy Frary, state chemist, Vermilion, South Dakota; I. L. Miller, state food and drug commissioner, Indian-

apolis, Indiana; Dr. E. M. Bailey, chemist, Agricultural Experiment Station, New Haven, Connecticut; Charles D. Howard, chief, Division of Inspection, State Board of Health, Concord, New Hampshire; W. S. Frisbie, Food and Drug Administration, U. S. Department of Agriculture, chairman, and A. S. Mitchell, Food and Drug Administration, secretary.

A PLAN for the formation of a research foundation was under consideration by the American Congress of Physical Therapy, recently in session in St. Louis. The proposal for the foundation was offered by Dr. John S. Hibben, of Pasadena, California. The plan suggests the organization of a research council on physical therapy under the direction of the congress. Several St. Louis philanthropists have expressed a willingness to finance a research program over a five-year period. Approximately 1,000 physicians and surgeons attended the congress.

THE Institute of Medicine of Chicago has received from an anonymous source \$10,000 which will be known as the Joseph Almarin Capps Endowment Fund.

CORNELL UNIVERSITY has received another anonymous gift from the anonymous donor who last year sent a cashier's check for \$20,000 and requested that no effort be made to discover his identity. This time the check was for \$10,000, to be used for the engineering college.

EIGHT fellowships for the training of leaders in forestry have been awarded for the year 1930-31 by the Charles Lathrop Pack Forest Education Board, and the board is preparing to receive applications for fellowships for the year 1931-32. The fellowships already granted cover a wide range of practical and theoretical forestry, including reforestation, management of private forest estates, cooperative marketing of forest products, silvicultural management and forest pathology. Six to eight fellowships, with stipends ranging from \$500 to \$2,500, are available for the coming year. Their purpose is to encourage men who have shown unusual intellectual and personal qualities to obtain training that will best equip them for responsible work, either in the general practice of forestry, in the forest industries, in the teaching of forestry, in forest research or in the development of public forest policy. Applications will be received not later than January 15, 1931. Application forms and detailed announcements can be obtained from Ward Shepard, Secretary of the Charles Lathrop Pack Forest Education Board, 1214 Sixteenth St., N.W., Washington, D. C.

THE Board of Estimate of New York City has accepted the offer of Mr. John D. Rockefeller, Jr., to

give the city the fifty-six-acre Billings estate on Washington Heights, to be used for park purposes, in return for the closing of East Sixty-fourth and East Sixty-eighth Streets, between York Avenue and Exterior Street, for the respective purposes of expanding the Rockefeller Institute and the erection of the New York Hospital. The city will receive land with an assessed valuation of \$2,000,000 and in return will give up land with an assessed value of only \$300,000. It is estimated that additional work will cost Mr. Rockefeller about \$2,065,000, against the city's \$700,000.

FINAL proceedings in the acceptance of land tendered the United States Government by the governors of North Carolina and Tennessee to constitute the Great Smoky Mountain National Park have been completed, according to an announcement of the Interior Department. Titles to the land have been formally passed on by the attorney-general and the government has announced its acceptance. The tract given by the two states covers an area of 158,876 acres and will form a nucleus for a park with a minimum area of 427,000 acres. Under the act of Congress authorizing its establishment, the park may be extended to include over 700,000 acres. The Great Smoky Mountain National Park will have roads and trails, being planned like the western parks, and will be divided equally between North Carolina and Tennessee. A great mountain range will carry the border between the states. The act under which the park was established provided for donations of land in order to reach the full status. Other eastern parks which have been authorized by the Congress and which are awaiting receipt of land are the Shenandoah National Park in Virginia and the Mammoth Cave project in Kentucky.

A START on the elimination of private lands in Glacier National Park has been made with the acceptance by the Department of the Interior of deeds to approximately 140 acres of land at the foot of

Lake McDonald, not far from park headquarters. Altogether about sixty per cent. of the land in this area has been acquired or is in process of acquisition. These acquisitions will simplify park administration and will also make possible the remedying of unsightly conditions that have prevailed around the foot of the lake. An allotment of \$198,000 of government funds was used in arranging for the consummated and pending acquisitions.

SIR J. J. THOMSON, as president of the Association of Special Libraries and Information Bureaus, writes to the *London Times* to draw attention to the formation by the association of a panel of expert translators. He says that those who require the services of a translator often experience difficulty in finding one who has both a knowledge of the language and also of the special subject concerned, and the difficulty increases where the language is uncommon and the subject highly technical. Proficiency in the language is not enough. To afford specialized service the translator must have not only a good knowledge of the language, but a really close acquaintance with the subject he has to translate—*e.g.*, the law, metallurgy, medicine, architecture, management, or whatever the subject may be. With the object of overcoming this difficulty, which has been brought to their notice continually, the council of the association recently appointed a committee consisting of Dr. S. C. Bradford, librarian, the Science Library; Allan Gomme, librarian, the Patent Office; Dr. R. S. Hutton, director, British Non-Ferrous Metals Research Association; Miss A. L. Lawrence, Intelligence Officer, British Medical Association; Brigadier-General Magnus Mowat, secretary, Institution of Mechanical Engineers; E. I. Robson, librarian, Institute of Agricultural Engineering, to prepare a scheme for establishing a panel of translators having both linguistic and technical qualifications, the part taken by the association being to act as a connecting link between the translator and the user. Names of approved qualified persons are now being registered.

## DISCUSSION

### DISCONTINUANCE OF THE LA JOLLA PEROMYSCUS PROGRAM

THE studies of geographic variation and heredity in mice of the genus *Peromyscus*, which have been conducted by the writer and his assistants at La Jolla for more than sixteen years, have recently been discontinued. These studies were commenced early in 1914, under the auspices of the Scripps Institution for Biological Research of the University of California. Owing to a radical change of program and of policy, some eight or nine years later, in accordance with which the Scripps Institution for Biological Research

was finally transformed into the Scripps Institution of Oceanography, the continuance of such studies at the La Jolla station became anomalous. It was inevitable that the *Peromyscus* program should either be transferred to some other establishment or be discontinued altogether.

Since these studies were (and I think still remain) the only serious attempt which had been made to analyze geographic variation, in either mammals or birds, by precise quantitative methods, and particularly to determine the genetic status of subspecific characters, it was thought by many that they ought