

Telephone Laboratories, Incorporated, organized on January 1, 1925, for the purpose of carrying on development and research activities in communication and allied fields.

This new company, which is jointly owned by the American Telephone and Telegraph Company and the Western Electric Company, Incorporated, has taken over the personnel, buildings and equipment of the research laboratories of these two companies which were formerly operated as the Engineering Department of the Western Electric Company.

Extensions of laboratory facilities for the scientists and engineers of the new corporation are already under way. Laboratory space in the form of a new building covering almost a quarter of a city block will be added to the 400,000 square feet at present in service in the group of buildings at 463 West Street, New York City. At the date of incorporation, the personnel numbered approximately 3,600, of whom about 2,000 are members of the technical staff, made up of engineers, physicists, chemists, metallurgists and experts in various fields of technical endeavor.

The chairman of the board of directors of the Bell Telephone Laboratories is General J. J. Carty, vice-president of the American Telephone and Telegraph Company. Other members of the board are: Dr. F. B. Jewett, formerly vice-president of the Western Electric Company, who is president of the new corporation, and also recently elected vice-president of the American Telephone and Telegraph Company; W. S. Gifford, executive vice-president of the American Telephone and Telegraph Company; C. G. DuBois, president, and J. L. Kilpatrick, vice-president, of the Western Electric Company, and J. B. Odell, assistant to the president of the Western Electric Company.

The operations of the Bell Telephone Laboratories are under the direction of E. B. Craft, executive vice-president, who was formerly chief engineer of the Western Electric Company.

In the functional division of the research, development and engineering work of the laboratories, physical and chemical research is organized under Dr. H. D. Arnold, director of research; development of apparatus under J. J. Lyng, apparatus development engineer, and development of communication systems under A. F. Dixon, systems development engineer, all formerly concerned with similar activities in the engineering department of the Western Electric Company. Dr. R. L. Jones, inspection manager, continues his former responsibilities in engineering inspection, and S. P. Grace, commercial development engineer, those of commercial development.

The formation of Bell Telephone Laboratories, In-

corporated, provides an individual organization, the whole activities of which may be more efficiently devoted to the furtherance of research, development and engineering investigations along the line in which the parent companies have already made great progress. Its formation is an indication of the estimate which these companies place upon the importance of properly organized research.

#### TRANSFER OF THE COLLECTION OF TYPE CULTURES OF BACTERIA

THE collection of type cultures of bacteria established at the American Museum of Natural History by Dr. C.-E. A. Winslow and more recently maintained at the Army Medical Museum by the Society of American Bacteriologists, will be transferred about the first of February to the McCormick Memorial Institute of Chicago.

This has been made possible by a grant secured by the National Research Council from the General Education Board, which provides for the maintenance of the collection for a period of five years.

The general supervision of the culture collection will be vested in a committee representing the Society of American Bacteriologists, the Society of Pathologists and Bacteriologists, the American Phytopathological Society, the American Society of Zoologists and the McCormick Memorial Institute.

The maintenance and distribution of the cultures will be under the direction of Dr. L. Hektoen, director of the McCormick Institute, assisted by Dr. Geo. H. Weaver and Dr. Lula Jackson.

The committee hopes to greatly enlarge the collection, and eventually to include fungi, molds and other microorganisms, as well as a comprehensive collection of bacteria.

Under the new arrangement a charge will be made for cultures which, while it will not be sufficient to cover the cost of the culture, will help in the maintenance of the collection. A catalog will be issued as soon as possible.

L. A. ROGERS

#### MINUTE ON THE LIFE OF PROFESSOR GEORGE CHANDLER WHIPPLE

THE following minute on the life and services of Professor Whipple was prepared by a committee from the Faculty of Arts and Sciences, the Faculty of the Engineering School and the Faculty of the School of Public Health, Harvard University:

George Chandler Whipple, Gordon McKay professor of sanitary engineering, died at his home in Cambridge on the morning of November 27, 1924, in the fifty-ninth year of his age.

Coming to the University thirteen years ago from an

uncommonly successful and versatile professional practice, he devoted himself with simplicity, faith and enthusiasm to his new tasks, illuminating them by his experience, and carrying to his continuing general practice the inspiration of his university attachment.

As his interest in public affairs ranged from the minutiae of local administration to projects for world sanitation under the League of Nations, so in the university his services were unique in their breadth: to undergraduates he taught municipal engineering; to engineers, the principles of sanitary science; and to graduate physicians, the environmental factors in the safeguarding of the public health. He had the faculty of adapting both the spoken and the written word to the audience he sought to reach; with equal effectiveness he wrote for the popular magazine, for the technical periodical and assembled his learning in standard treatises.

A leader among the pioneers who, by applying the discoveries of Pasteur, reconstructed sanitary science upon a biological basis, he was withal a modest man, youthful in his enthusiasm, simple in his habits of life, open, approachable and affectionate. By his students, colleagues and professional associates, he will always be held in friendly remembrance.

HECTOR J. HUGHES,  
WILLIAM B. MUNRO,  
EDWIN B. WILSON,  
*Committee.*

## SCIENTIFIC NOTES AND NEWS

THE second annual prize of the American Association for the Advancement of Science has for this year been divided and awarded as two prizes of five hundred dollars each, to Dr. L. R. Cleveland, of the Johns Hopkins School of Hygiene and Public Health, for his work on the physiology of termites and their parasites, and to Dr. Edwin P. Hubble, of the Mount Wilson Solar Observatory, for his work on the nebulae.

DR. MICHAEL I. PUPIN, professor of electromechanics at Columbia University and president of the American Association for the Advancement of Science, has been nominated for president of the American Institute of Electrical Engineers.

DR. JAMES F. KEMP, professor of geology at Columbia University, at the December session of the council of the Geological Society of Belgium, was elected a foreign correspondent.

THE gold medal of the Royal Astronomical Society has been awarded to Sir Frank Dyson, astronomer royal, for his general contributions to astronomy, and in particular for his researches on the proper motions of stars. The medal will probably be presented at the regular meeting of the society on June 12.

THE Institution of Electrical Engineers, London, has made the fourth award of the Faraday medal to

Sir Joseph J. Thomson, an honorary member of the institution, and Master of Trinity College, Cambridge.

THE Institution of Gas Engineers, England, has nominated Dr. Charles Carpenter, president of the South Metropolitan Gas Company, for the award of its Birmingham gold medal, awarded for services rendered in the science and practice of gas engineering.

THE Royal Society at London has conferred its gold medal on Dr. Albin Haller, professor of chemistry at Nancy, according to the *Journal* of the American Medical Association.

THE T. Kocher prize at the University of Bern has been given to Professor Baltzer to enable him to continue research on heredity and predetermination of sex.

PROFESSOR WARREN D. SMITH, head of the department of geology in the University of Oregon, was recently elected president of the Cordilleran section of the Geological Society of America.

DR. MAXIMILIAN TOCH has been appointed chairman of the patent committee of the American Institute of Chemical Engineers.

ROBERT RIDGWAY, of New York, has been elected president of the American Society of Civil Engineers.

DR. WALTER L. BIERRING, Des Moines, Iowa, has been elected by the directorate of the Alpha Omega Alpha, honorary medical fraternity, to the presidency of this organization for a term of six years. Dr. Bierring succeeds Dr. John L. Heffron, of Syracuse, New York, who was killed in an automobile accident last September.

DR. SOLON I. BAILEY, Phillips professor of astronomy at the Harvard Observatory since 1912, and for thirty-seven years a member of the Harvard faculty, has retired.

PROFESSOR JOSEPH P. NAYLOR, head of the department of physics at De Pauw University, will retire from active service next June. He will continue to do research work in the university laboratory.

SIR HAROLD STILES has resigned the chair of clinical surgery at the University of Edinburgh.

DR. J. E. LILIENFELD, professor of physics at the University of Leipzig, on an extended leave of absence, has affiliated himself with the American Bosch Magneto Corporation as chief physicist in charge of radio research and development work—a new division of the corporation.

PROFESSOR CARL C. FORSAITH, of the New York State College of Forestry at Syracuse University, has accepted an offer from the English government through the Imperial Forestry Institute at the Uni-