

search organizations in this country and abroad, and special cooperative arrangements will be made with scholarly institutions. Columbia University and the laboratory will engage in a joint program of research and instruction, utilizing for this end the personnel and facilities of both institutions.

In addition to the regular members of the scientific staffs of the university and the corporation, special consultants include Dr. Harvey N. Davis, president of Stevens Institute; Dr. William P. Tolley, president of Syracuse University; Dr. William Mather Lewis, president of Lafayette College, and Dr. T. E. Brown, of the Harvard Business School.

Columbia University has assigned a building at 612 West 116th Street on Morningside Heights to the laboratory.

The work will start as soon as the necessary alterations in the building and the installation of equipment have been completed.

REORGANIZATION OF THE SHEFFIELD SCIENTIFIC SCHOOL OF YALE UNIVERSITY

By vote of the Corporation of Yale University, recently announced by President Charles Seymour, a reorganization of the Sheffield Scientific School will take effect on July 1.

Undergraduate courses in the sciences leading to the degree of Bachelor of Science, heretofore under the administration of the dean and faculty of the school, will be transferred to Yale College, thus consolidating under a single faculty all undergraduate education in the liberal arts and sciences.

As a result of this reorganization, the function of the Sheffield Scientific School in the future will be two-fold.

(1) The Board of Permanent Officers of the school will constitute the committees of the Graduate School on the graduate degrees in the sciences and mathematics and will recommend candidates for these degrees to the faculty of the Graduate School. Candidates for these degrees will be registered as students in the Sheffield Scientific School.

(2) The director and the Board of Permanent Officers of the school will constitute the Division of Science and Mathematics of the university and as such be responsible for maintaining and promoting, with the approval of the president and the corporation, programs of study and research in the natural and physical sciences and mathematics. This division will include the following departments of study: anatomy, astronomy, bacteriology, botany, chemistry, clinical medicine, forestry, geological sciences, mathematics, pharmacology, physics, physiological chemistry, physiology, psychology, public health, zoology, and such other departments or organizations for scientific study and research as may from time to time be appropriately included within the division.

It will be the function of the division to maintain and promote study and research in the several fields included within the division, and in performing this function the Board of Permanent Officers is authorized to appoint annually, upon nomination of the director, an Executive Committee in the Physical Sciences and Mathematics and an Executive Committee in the Biological Sciences.

It will be the duty of the director with the advice, assistance and approval of these executive committees to review all proposals for appointment and promotion in the departments of the division or when it appears to be necessary, to initiate such proposals, and to transmit to the schools concerned and the president its recommendations on such proposals. The director shall in like manner make recommendations to the appropriate schools designed to improve courses and subjects of instruction in the sciences and assist the departments in their plans for research.

Departmental budgets in this division will be reviewed by the dean or any school served by a particular department. The director and the deans concerned shall act as members of the committees making final budgetary recommendations to the president in the fields of study included in the division.

Dr. Edmund W. Sinnott, Sterling professor of botany and chairman of the department of botany, has been appointed director of the school.

SCIENTIFIC NOTES AND NEWS

THE Cedergren Gold Medal of the Royal Institute of Technology of Sweden was presented on February 9 at a ceremony held in New York City to Dr. E. F. W. Alexanderson, consulting engineer of the General Electric Company. The award, which was established by the late Henrik Tore Cedergren, is given once in every five years. It was presented by Martin Kastengren, Swedish Consul General.

REAR ADMIRAL EDWARD R. STITT (retired), from 1920 to 1928 Surgeon General of the United States Navy, was presented on February 5 with the gold medal of the American Foundation for Tropical Medicine in recognition of "outstanding service" in that field. The award carried with it a gift of \$500. The presentation was made at a dinner at the University Club, New York City. Colonel Richard P. Strong,

director of tropical medicine at the Army Medical School, Washington, and recipient of last year's annual award, presented the medal.

DR. EDWIN RICHARD GILLILAND, professor of chemical engineering at the Massachusetts Institute of Technology, now on duty with the Office of Scientific Research and Development, Washington, D. C., has been chosen the first recipient of the Leo Hendrik Baekeland Award of the North Jersey Section of the American Chemical Society. The award, consisting of \$1,000 and a gold medal, goes biennially to an American chemist under the age of forty years. The award was made in recognition of outstanding achievement in the fields of heat transmission, diffusion, distillation and high pressure synthetic chemistry. Dr. Gilliland is known as an advocate of the maintenance of a postwar synthetic rubber industry in the United States as essential to the national interest. Formal presentation of the award will be made at a meeting in Newark, N. J., on May 14. The award was founded to commemorate the technical and industrial achievements of Leo Hendrik Baekeland and to encourage younger chemists to emulate his example.

THE John Jeffries Award of the Institute of Aeronautical Sciences for outstanding contributions to the advancement of aeronautics through medical research was presented on January 31 at a meeting of the institute at the Engineering Societies Building, New York City, to Air Marshal Sir Harold E. Wittingham, director general of the medical services of the Royal Air Force.

THE ten recipients of the medal of the Typhus Commission of the United States of America include Captain Thomas Jerrell Carter, Medical Corps, U.S.N., in charge of the Bureau of Medicine and Surgery of the U. S. Navy Department, and Major Charles M. Wheeler, Sanitary Corps, A.U.S., member of the staff of the International Health Division of the Rockefeller Foundation.

ON the occasion of the retirement of R. Kent Beattie, of the Division of Forestry of the Bureau of Plant Industry, his associates gave him a testimonial luncheon at the bureau cafeteria when he was presented with a brief case and a book of letters from his many friends.

DR. GILBERT GROSVENOR, president of the National Geographic Society, has been elected a fellow of the California Academy of Sciences.

DR. C. LANGDON WHITE, professor of geography, has been elected president of the National Council of Geography Teachers for 1945. He has served as first vice-president of the council since 1942.

OFFICERS of the executive committee of the Division of High-Polymer Physics of the American Physical Society for 1945 are: *Chairman*, W. F. Busse; *Vice-chairman*, S. D. Gehman; *Secretary*, W. J. Lyons, and *Treasurer*, L. A. Wood. Other members are H. Mark, newly elected to the committee, R. B. Barnes, a previous incumbent, and J. H. Dillon, the retiring chairman.

THE following officers of the Torrey Botanical Club, New York City, have been elected to serve in 1945: *President*, Dr. Fred J. Seaver, New York Botanical Garden; *1st Vice-president*, Dr. John A. Small, Rutgers University; *2nd Vice-president*, Dr. A. E. Hitchcock, Boyce Thompson Institute; *Corresponding Secretary*, Dr. Jennie L. S. Simpson, Hunter College; *Recording Secretary*, Dr. Frances Wynne; *Treasurer*, Dr. Edmund H. Fulling; *Editor*, Dr. Harold W. Rickett, all three of the New York Botanical Garden; *Bibliographer*, Mrs. Lazella Schwarten, Arnold Arboretum, Mass.; *Business Manager*, Miss Ann M. Hanson, Columbia University.

DR. G. RICHARD WENDT, of Wesleyan University, has been appointed chairman of the department of psychology of the University of Rochester. He succeeds Dr. Elmer A. Culler, who is retiring on account of ill health.

DR. DONALD V. JOSEPHSON, assistant professor of dairy husbandry at the Pennsylvania State College, has been appointed associate professor in the department of dairy technology of the Ohio State University.

DR. WALTER H. SEEGER, research biochemist in the laboratories of Parke, Davis and Company, has been appointed associate professor of physiology at the College of Medicine of Wayne University.

AT the University of London, Dr. L. S. Penrose has been appointed to the Galton chair of eugenics tenable at University College. Since 1939 he has been attached to the Provincial Department of Health, Ontario, Canada, and in addition has been physician at the Ontario Hospital, lecturer in psychiatry at the University of Western Ontario and medical statistician for the Province. Dr. C. Rimington has been appointed from May 1 to the university chair of chemical pathology tenable at University College Hospital Medical School. Since 1937 he has been on the staff of the National Institute for Medical Research.

DR. AUGUSTUS B. WADSWORTH, since 1914 director of the Division of Laboratories and Research of the New York State Department of Health, Albany, N. Y., retired on February 1.

DR. C. W. VICKERY, senior statistician of the Office of Defense Transportation, has become consulting

engineer in Washington, D. C., specializing in industrial, actuarial and quality control engineering.

THE Forest Preserve District of Cook County, Illinois, has recently established a Conservation Department under the direction of Robert Mann. Dr. David H. Thompson, formerly of the Illinois State Natural History Survey, is serving as zoologist.

DR. NOLAN D. C. LEWIS, director of the Neurological Institute of the Columbia-Presbyterian Medical Center, has succeeded Dr. Smith Ely Jelliffe, who retired on January 1 as editor of *The Journal of Nervous and Mental Disease* and *The Psychoanalytic Review*.

DR. PAUL HUGH EMMETT, since 1937 professor of chemical and gas engineering at the Johns Hopkins University, now on leave of absence for war work, consultant of the U. S. Department of Agriculture, has joined the research staff as senior fellow of the Mellon Institute, where he will plan and supervise long-range investigational projects on catalysis that are of importance in petroleum technology.

DR. GEORGE W. JEFFERS, professor of biology, has a year's leave of absence from the State Teachers College at Farmville to direct a survey of the fisheries resources of Chesapeake Bay. The study is being financed by the General Education Board of the Rockefeller Foundation and was established by the Chesapeake Bay Fisheries Commission, with Dean Ivey F. Lewis, of the University of Virginia, as director and made up of representatives of both Maryland and Virginia institutions, not directly connected with the fisheries industry but concerned about its future. The commissioners of fisheries of both states are also members.

DR. FRED C. BISHOPP, assistant chief in charge of research of the Bureau of Entomology and Plant Quarantine of the U. S. Department of Agriculture, Washington, D. C., will deliver the annual Hermann M. Biggs Memorial Lecture of the New York Academy of Medicine on April 5. He will speak on the "Medical and Public Health Importance of the Insecticide DDT."

DR. WILLIAM C. ROSE, professor of biochemistry at the University of Illinois, delivered on January 18 the Elias Potter Lyon Lecture at the Medical School of the University of Minnesota. His subject was "The Amino Acid Requirements of Man."

THE address of the retiring president of the Philosophical Society of Washington was given on January 6 by Dr. Harold Frederic Stimson, of the National Bureau of Standards. He spoke on "The Measurement of Some Thermal Properties of Water."

THE fourth Annual Lecture Series at the Morley

Chemical Laboratory of Western Reserve University will be held from February 23 to March 30 and from April 20 to May 25. The subject of the series is "Frontiers in Chemistry." The following lecturers will take part: Professor H. S. Taylor, Princeton University; Dr. Harold H. Strain, the Carnegie Institution; Dr. Robert J. Myers, The Resinous Products and Chemical Company; Professor Hans Mueller, the Massachusetts Institute of Technology; Professor Ernst A. Hauser, the Massachusetts Institute of Technology; Professor J. W. McBain, Stanford University; Professor I. M. Kolthoff, the University of Minnesota; Professor John H. Yoe, the University of Virginia; Dr. Otto Beeck, the Shell Development Company; Dr. James Hillier, the Radio Corporation of America; Dr. Frederick D. Rossini, the National Bureau of Standards, and Dr. John A. Hipple, Westinghouse Electric and Manufacturing Company.

A REQUEST to the War Committee on Conventions for permission to hold the meeting of the American Mathematical Society in New York City on February 24 was submitted by the president and secretary of the society. Permission has been denied and the meeting has been cancelled.

THE Council of the American Association of Pathologists and Bacteriologists has voted unanimously to cancel the scientific meetings for the year 1945.

THE Executive Committee of the Eastern Division of the American Philosophical Association has decided that the annual meeting must again be cancelled. This action was taken in response to the following telegraphic message from the director of defense transportation. "Your attention is directed to Justice Byrnes' request for the cancellation of group meetings, conventions and trade shows to be held after February 1. While your meeting is not as large as many others, and while we are aware of your past cooperation, we respectfully suggest that prompt cancellation would be a fine and patriotic action and would contribute to the war effort."

A CONFERENCE on Gene Action in Micro-Organisms was held under the auspices of the Missouri Botanical Garden, St. Louis, on February 2 and 3. The attendance at the conference was about forty, fifteen research laboratories of the United States being represented. The program will be published within a few months in the *Annals* of the Missouri Botanical Garden.

THE Southern California Association of Physics Teachers was organized as a group on December 16, following the program of the American Physical Society at Pasadena. The initial members numbered about forty. The following officers were elected:

President, Dr. David L. Soltan, University of Redlands; *Vice-president*, Dr. Roland R. Tileston, Pomona College; *Secretary-Treasurer*, Dr. Laurence E. Dodd, University of California at Los Angeles. The group applied for a charter as a regional chapter of the American Association of Physics Teachers. This application was granted by the national Executive Committee at its meeting in New York on January 18. The new group is the tenth member of the Regional Chapters. The first program meeting of the new chapter is planned for March 24 at the University of Southern California, with several invited papers on the general subject "Physics Teaching and the Post-War World," to be followed by a group of contributed papers.

SCIENTIFIC workers in the United States are collaborating with their Latin-American colleagues in making available files of journals for new and active institutions where the lack of adequate library facilities has greatly impeded research. Two libraries have already received a gift of journals. The Committee on Inter-American Scientific Publication, of which Dr. Harlow Shapley, director of the Harvard Observatory, is director, is now collecting journals for a number of other Latin-American institutions. Those having un-

used files of journals that they are willing to contribute are invited to communicate with the Comité Interamericano de Publicación Científica, Harvard College Observatory, Cambridge 38, Mass.

THE Helen Putnam Fellowship of Radcliffe College for advanced research in the field of genetics or of mental health, which carries a stipend of \$1,900, will be awarded annually, beginning with October 1, 1945, for an eleven-month period, with the possibility of a renewal. Appointments will be limited to mature women scholars who have gained their doctorate or possess similar qualifications and who have research in progress. All normal laboratory facilities will be provided to the holder of the fellowship. Applications for the award must be submitted to Radcliffe College not later than April 15. The first holder of the fellowship will be announced about the middle of May.

THE *Times*, London, reports that to express its gratitude to Holland, where numerous Zurich physicians were educated, especially at Leyden, the Swiss University of Zurich has decided to contribute to the revival of the University of Leyden. It contemplates the reconstitution of various departments and of the library, and will perhaps send professors there.

DISCUSSION

STAFFING SCIENCE DEPARTMENTS AFTER THE WAR

ALTHOUGH the December setbacks in Europe have for the time being caused attention to veer sharply from postwar problems, attention can never safely be completely withdrawn from the reconstruction period. It is unwise not to view present actions in the light of their postwar effect, as well as in the light of the needs of the present.

There is every indication that the war has raised the prestige of science and technology tremendously. Smaller businesses are anxiously casting about for ways of gaining access to the fruits of research. Strong political support may accelerate the tendency to channel some scientific effort in this direction. Larger businesses are planning to expand their research activities. In the cases of some laboratories plans call for doubling the size and scope of their activities. The Government, and particularly the military, are planning vastly increased research activity. Much of this planning is even now under way. The beginning of sharp competition for the best brains of the war research laboratories is clearly discernible.

Internal quickening of the demand for high-grade personnel is, however, only a part of the picture. The lesson of this war, that the possession of a sound and

creative technology is the sine qua non of military and economic security, has been learned by every country in the world through the bitterest of lessons, in many cases. There is plenty of evidence that foreign countries will uniformly pursue a policy of intensive technological renaissance. This new movement will concern America in two ways. There will be aggressive attempts to hire American engineers and scientists and there will be a flow of students to American universities. For example, India has a very ambitious program and has established an office in Washington to recruit technological personnel and to facilitate the enrolment of students in American universities. A number of other nations have already made tentative overtures. The extent of these movements can only be guessed at present, although the Division of Cultural Cooperation of the State Department is alert and observant and may be expected to gauge the trend as it takes shape.

In the face of these enhanced demands for technically trained personnel, the American policy during the war has not fostered an increased supply. In fact, the training of technical personnel has been largely stopped. The effect of this is discussed in an article in the January number of the *Scientific Monthly*. It is sufficient to state here again that the