

which is being done or may be done by the National Physical Laboratory.

It is planned that the advisory council should act in intimate cooperation with the Royal Society and the existing scientific or professional associations, societies and institutes, as well as with the universities, technical institutions and other institutions in which research is or can be efficiently conducted.

It is proposed to ask the Royal Society and the principal scientific and professional associations, societies, and institutes to undertake the function of initiating proposals for the consideration of the advisory council, and a regular procedure for inviting and collecting proposals will be established. The advisory council will also be at liberty to receive proposals from individuals and themselves to initiate proposals.

It is contemplated that the advisory council will work largely through sub-committees reinforced by suitable experts in the particular branch of science or industry concerned. On these sub-committees it would be desirable as far as possible to enlist the services of persons actually engaged in scientific trades and manufactures dependent on science.

The advisory council will proceed to frame a scheme or program for their own guidance in recommending proposals for research and for the guidance of the committee of council in allocating such state funds as may be available. This scheme will naturally be designed to operate over some years in advance, and in framing it the council must necessarily have due regard to the relative urgency of the problems requiring solution, the supply of trained researchers available for particular pieces of research, and the material facilities in the form of laboratories and equipment which are available or can be provided for specific researches.

Office accommodation and staff will be provided for the committee and council by the board of education.

SCIENTIFIC NOTES AND NEWS

THERE is published in this issue of *SCIENCE* the address of the president of the American

Association for the Advancement of Science, Dr. W. W. Campbell. We hope to publish in subsequent issues other addresses given at the Pacific Coast meeting, together with reports of the proceedings of the sections.

FREDERIC WARD PUTNAM, emeritus professor of American ethnology and archeology in Harvard University, honorary curator of the Peabody Museum, permanent secretary of the American Association for the Advancement of Science from 1873 to 1898 and president of the association in 1898, distinguished for his contributions to anthropology, died at Cambridge, on August 14, in his seventy-seventh year.

JOHN ULRIC NEF, head of the department of chemistry in the University of Chicago, eminent for his contributions to organic chemistry, died on August 13 at the age of fifty-three years.

DR. FRANCIS X. MAHONEY has been appointed health commissioner of Boston.

THE Ontario government has appointed a commission to investigate the production and shipment of nickel in relation to the conditions created by the war. The members are Mr. G. T. Holloway, of London (chairman); Professor W. G. Miller, provincial geologist; Mr. McGregor Young, K.G., Toronto, and Mr. T. W. Gibson, deputy-minister of mines.

THE directors of British Dyes (Limited) are establishing a research department, and have invited Dr. G. T. Morgan, F.R.S., of the Royal College of Science for Ireland, Dublin, to become the head of the department. They have named a technical committee to consist of Dr. M. O. Forster, F.R.S., chairman, Dr. J. C. Cain, Dr. G. T. Morgan, F.R.S., and Mr. J. Turner. An advisory council, under the chairmanship of Professor Meldola, F.R.S., is also to be appointed.

DR. EDWARD W. RYAN, Scranton, chief of the American Red Cross in Belgrade, has been decorated by both the Serbian and French governments for his work in the hospitals where typhus fever has been raging.

DR. JOHN W. M. BUNKER, of the department of hygiene and sanitation, and sanitary in-

spector of Harvard University, has resigned to organize and direct the bacteriological research department of the Scientific Laboratories of the Digestive Ferments Co., Detroit, Mich.

E. S. DICKINSON, formerly assistant professor of mining at the University of Kansas, has taken a position on the mining staff of the Canadian Copper Company at Copper Cliff, Ont.

DR. L. H. PENNINGTON, professor of forest pathology in the New York State College of Forestry, is spending the summer on the Pacific coast, where he is paying special attention to the work which the national government is doing in the control of diseases of forest trees on the national forests.

A MONUMENTAL cross bearing the inscription "James F. Donnelly, staff physician, New York City, U. S. A," has been erected over the grave of Dr. Donnelly, who died while treating typhus fever in Serbia.

DR. THOMAS STILLMAN, the well-known chemical engineer, died of heart disease, on August 10, at the age of sixty-three years. Dr. Stillman was professor of analytical chemistry at the Stevens Institute of Technology for thirty-five years, retiring on a Carnegie pension in 1909.

MR. H. S. BION, assistant superintendent of the Geological Survey of India, died at Calcutta on June 6.

MR. HERBERT KYNASTON, director of the Geological Survey of the Union of South Africa, died at Pretoria, on June 28, aged forty-six years.

CAPTAIN C. F. BALLEINE, fellow of Exeter College, Oxford, who had done work in archaeology, was killed in Flanders on June 2.

ERNEST LEE, lecturer in agricultural botany at the University of Leeds, has been killed in the war.

DR. J. F. EYKMAN, professor of organic chemistry at Groningen, has died at the age of sixty-four years.

THE death is announced of M. A. Arnaud, who occupied the chair of chemistry at the

Museum of Natural History in Paris, and was distinguished for his work in chemistry and pharmacology.

DR. KARL KRAEPELIN, formerly director of the Hamburg Natural History Museum, has died at the age of sixty-seven years.

THE sixty-seventh annual session of the American Medical Association will be held at Detroit, June 12 to 16, 1916. The house of delegates will convene on June 12, and the scientific sections on June 13.

THE petition of the Royal Astronomical Society has been granted, and a supplementary charter to permit the election of women as fellows and associates has been received. Proposals of women for admission as fellows can now be made.

CONSTRUCTION work on the new building of the Field Museum of Natural History, which is to be built on Chicago's lake front, just south of Twelfth street, began on July 15, after twelve years of planning and negotiation. The structure will be completed in less than three years, according to plans. More than 3,000 men will be employed in the work. It is said that it will be the largest marble building in the world and one of the largest museums. It will consist of three stories and a basement and will cover an area of 700×350 feet. The floor area of the museum will be 670,000 square feet, of which 400,000 square feet will be devoted to exhibition purposes. The remainder will be used for scientific laboratories, lecture halls, offices and a restaurant.

THE children of William H. Singer, Pittsburgh, will erect a laboratory for investigations into the origin of disease, which will be operated in connection with the Allegheny General Hospital. The cost of construction, equipment and endowment will amount to \$400,000.

MR. J. S. DILLER has been studying Lassen Peak on the ground in cooperation with officials of the Forest Service and has reported to the director of the geological survey as follows: "The great eruptions of Lassen Peak of May 20 and May 22 spent the energy of the old volcano and put a lid on it. The

effects of the flood on Hat Creek are being turned to good account, while many visitors are safely climbing the peak. Although it is possible that Vulcan is simply conserving his forces for a future outbreak, the general indications are that he is closing up the Lassen Peak branch of his laboratory for the season, perhaps with the intention of giving a small exhibit next spring when the snow melts."

UNIVERSITY AND EDUCATIONAL NEWS

DR. W. S. FRANKLIN has resigned from the professorship of physics in Lehigh University.

DR. JOHN LEE COULTER has been appointed dean of the College of Agriculture and director of the Experiment Station of the West Virginia University. He goes from the George Peabody College, and will take the place of E. D. Sanderson, who resigned about a year ago.

DR. OSCAR THEODORE SCHULTZ, formerly assistant professor of pathology in the medical school of Western Reserve University, has been appointed professor of pathology and bacteriology in the College of Medicine, University of Nebraska.

DR. JOHN N. SWAN has resigned his position in Monmouth College to accept the head professorship in chemistry in the University of Mississippi.

DR. E. L. TALBERT has been appointed secretary of admission in the University of Cincinnati, also giving the courses in social psychology.

JOHN JENKINS BUCHANAN, A.M., M.D., Ph.D., professor of surgery in the school of medicine, University of Pittsburgh, for the past fourteen years, has resigned his active teaching and has been elected professor emeritus. Robert Tablott Miller, A.B., M.D., for the past five years a member of the staff of the department of surgery of the school, lately holding the position of associate professor of surgery, has been promoted to the full professorship in charge of the department. Dr. Miller is a graduate of Amherst College and Johns Hopkins University Medical School. He held the position of resident on the surgical staff of the Johns Hopkins Hospital for

a period of six years, following which he was elected to the position of instructor in surgery in the Johns Hopkins Medical School, which position he held for a period of two years, prior to his taking up his residence in Pittsburgh.

DR. J. R. SCHRAMM, assistant to the director of the Missouri Botanical Garden and instructor in botany at Washington University, has been appointed assistant professor of botany in the New York State College of Agriculture at Cornell University. Dr. Lester W. Sharp has been promoted to an assistant professorship in botany at the same institution. Other recent appointments in botany at the New York State College of Agriculture are as follows: J. Marshall Brannon, Albert R. Bechtel and Frank B. Wann, instructors; John P. Benson, Robert Stratton, Lawrence Erickson, George R. Gage and Harry E. Knowlton, assistants.

MR. HOWARD B. WAHA, who graduated in civil engineering from the Pennsylvania State College in 1909, and who has been employed in engineering work with the U. S. Forest Service in New Mexico and Arizona since graduation, has accepted the position of assistant professor of forest engineering in the New York State College of Forestry, Syracuse University.

W. A. ELLIS, a teaching fellow in the State College of Agriculture at Cornell University, has been elected instructor in forestry entomology. He will give his attention to insects affecting shade and forest trees of the state, and will assist Dr. M. W. Blackman, forest entomologist of the college.

PROFESSOR R. ROBINSON, of the University of Sydney, has been appointed to the newly constituted chair of organic chemistry at the University of Liverpool.

DR. HANS REICHENBACH, professor of hygiene at Göttingen, has declined a call to Halle.

DISCUSSION AND CORRESPONDENCE

PUBLIC HEALTH IN AMERICA

TO THE EDITOR OF SCIENCE: I was much interested in the article by Dr. W. W. Ford,