

WILLIAM F. MALONEY, assistant dean of the University of Minnesota school of medicine, has been appointed dean of the school of medicine at the Medical College of Virginia in Richmond, effective 1 Jan. 1957.

Recent Deaths

LESLIE H. BACKER, Summit, N.J.; 71; professor emeritus and former head of the departments of chemistry and chemical engineering at Stevens Institute of Technology; 27 Oct.

CARL EGGERS, New York, N.Y.; 77; former clinical professor of surgery at Columbia University and New York University; 24 Oct.

LOUIS FINDLAY; 44; chief of the health division of the United Nations' Relief and Works Agency for Palestine Refugees in the Middle East; 26 Oct.

NILS B. HERSLOFF, Coxsackie, N.Y.; 55; former instructor in clinical psychiatry at Columbia University; 25 Oct.

CHARLES S. JOHNSON, Nashville, Tenn.; 63; president of Fisk University; 27 Oct.

JOHN H. PARKER, Milwaukee, Wis.; 65; former professor of plant breeding at Kansas State College; 27 Oct.

MARION E. L. RICHARDS, New York, N.Y.; 62; retired assistant professor of botany at Barnard College; 26 Oct.

RUDOLPH J. SHAFER, Corning, N.Y.; 63; director of the Steuben County Laboratories; 29 Oct.

ALAN G. SLOCOMBE, Lexington, Mass.; 37; neurophysiologist at the Worcester Foundation for Experimental Biology; 18 Oct.

ARTHUR E. WATSON, Providence, R.I.; 91; professor emeritus of engineering at Brown University, who designed the electrical plant for the dirigible Shenandoah; 29 Oct.

Education

■ The seven high-school teachers who are this year's representatives of the Oak Ridge Traveling Science Demonstration Lecture Program are visiting schools throughout the nation in 1957 station wagons that have been provided through the courtesy of the Ford Motor Company. The ORINS University Relations Division is administering the traveling teacher program for the National Science Foundation in cooperation with the Atomic Energy Commission. The purpose of the plan is to stimulate interest in science and science-teaching careers.

During the course of the school year, the seven teachers will visit high schools in their assigned districts, spending a

week at each. At every school, the traveling teacher will give special lectures and demonstrations before science classes. These sessions are designed to provide, simply and graphically, up-to-date information in many fields of science, from elementary chemistry to the principles of space travel.

During the visit, the teacher will also hold sessions and consultations with the science staff and other faculty members as a means of improving the teaching techniques.

The teachers will carry with them more than 800 pounds of demonstration equipment that they designed and built during a summer training period at Oak Ridge. Among the items, constructed to show students and science teachers the feasibility of making inexpensive apparatus, are an x-ray machine that cost \$2.50 and a home-made Geiger counter assembled for less than \$10.

The teachers expect to visit between 200 and 250 high schools in the 48 states and the District of Columbia during the present school year. Then they will return to Oak Ridge for preparation of final reports on their activities and discussion of ways and means to improve the program in the future.

■ New York University-Bellevue Medical Center has dedicated a new laboratory in honor of the late Joseph Goldberger. The laboratory will be used for the investigation of nutritional and metabolic diseases.

Goldberger, who died in 1929, was one of the university's most distinguished medical alumni. He devoted almost all of his life to research in the U.S. Public Health Service. His work resulted in the identification of pellagra as a nutritional disease that is preventable by proper diet.

■ An investigation of what is known about persons who want to become scientists has been begun by a research team from Teachers College, Columbia University. The team will examine the work that has been done in the field. It will summarize its findings in December and prepare a report in February.

Under a \$20,000 grant from the National Science Foundation, the team will seek to furnish a guide for the financing of more important research projects in the choice of scientific careers. The directors of the project are Donald E. Super and Paul B. Bachrach of the department of psychological foundations and services at Teachers College.

■ Cornell University will receive a gift of a new civil engineering building. The donor is Spencer T. Olin, class of 1921. He has announced the gift in honor of his father, the late Franklin W. Olin, a civil engineering graduate in 1886.

Grants, Fellowships, and Awards

■ The National Academy of Sciences-National Research Council administers the following fellowship programs: Donner fellowships for medical research, Markle fellowships in the medical sciences, National Research fellowships in the medical sciences, and James Picker Foundation fellowships in radiological research. These awards are available to holders of M.D., Ph.D. or Sc.D. degrees who are not over 35 years of age. The basic stipend is \$3800, with family and travel allowances. All but the Picker fellowships are limited to citizens of the United States and Canada. The deadline date for receipt of applications is 1 Dec. 1956. Application material may be obtained from the Division of Medical Sciences, National Academy of Sciences-National Research Council, 2101 Constitution Ave., NW, Washington 25, D.C.

The Merck senior postdoctoral fellowships are also administered by NAS-NRC. These are available to U.S. citizens only, but there is no age restriction. Applicants must have had training in biology or chemistry equivalent to the Ph.D. degree and have had at least 3 years of postdoctoral professional experience. The stipend ranges up to \$6000, as determined by the Fellowship Board. The deadline date for receipt of applications is 15 Jan. 1957. Application material may be obtained from the NAS-NRC Fellowship Office. In addition, the Academy-Research Council receives applications, evaluates, and makes recommendations for the award of postdoctoral resident research associateships that are administered by Argonne National Laboratory, Lemont, Ill.; Oak Ridge National Laboratory, Oak Ridge, Tenn.; the National Bureau of Standards, Washington, D.C., and/or Boulder, Colo.; and the Naval Research Laboratory, Washington, D.C. These fellowships are available to holders of Ph.D. or Sc.D. degrees for advanced training in various branches of biological, physical and mathematical sciences. The gross stipends range up to \$7035 (subject to income tax). The deadline date for receipt of applications is 11 Jan. 1957. Application material may be obtained from the NAS-NRC Office of Scientific Personnel.

Similarly, the NAS-NRC assists the National Science Foundation with the following fellowship programs, which are available to U.S. citizens and are awarded on the basis of ability only. NSF graduate awards are available to individuals studying for either masters' or doctoral degrees. The stipend is \$1600, \$1800, or \$2000, and the deadline date for receipt of applications is 24 Dec. 1956. Application material for

both programs may be obtained from the NAS-NRC Fellowship Office.

NSF senior postdoctoral fellowships are available to scientists who have held doctoral degrees in one of the basic sciences for at least 4 years. These carry salary-matching stipends. In addition, NSF science faculty awards are available to college teachers who wish to enhance their effectiveness as teachers of science, mathematics, or engineering. The deadline for receipt of applications for these 2 programs is 14 Jan. 1957. Application material may be obtained from the Division of Scientific Personnel and Education, National Science Foundation, 1520 H St., NW, Washington 25, D.C.

■ The Engineering College Research Council of the American Society for Engineering Education has announced plans for the new Curtis W. McGraw research award, established in memory of the late Curtis W. McGraw, president of the McGraw-Hill Publishing Company from 1950 to 1953 and brother of the present president, Donald C. McGraw. The award, sponsored by McGraw-Hill, will include a cash prize of \$1000 and will be given annually beginning next June.

Candidates are to be young men "who have made original contribution in engineering research and who have demonstrated high potential for future leadership." The recipient of the McGraw research award will be selected each year by a special committee of the Engineering College Research Council; James R. Cudworth of the University of Alabama is chairman of this year's selection committee.

The first presentation of the award will be at the 1957 annual meeting of the American Society for Engineering Education, at Cornell University, 17-21 June. Nominations for 1957 should reach Cudworth by 1 Feb. 1957.

In the Laboratories

■ The General Electric Company's medium induction motor department, Schenectady, N.Y., has announced that it will invest \$1.5 million in a developmental laboratory for the creation of new products and the improvement of present ones. The new facilities for motor research will include an engineering laboratory, an advanced engineering test area, and a development shop to investigate new manufacturing techniques to parallel product development. The engineering laboratory will undertake applied research and development work in electric insulation, bearings and lubrication, magnetic materials, metallurgy, and welding. A continuing search for improved insulation will be greatly intensified.

■ Robert A. Cooley, formerly with Olin Mathieson Chemical Corporation, has announced the incorporation of a new company, the Propellex Chemical Corporation, in Edwardsville, Ill. The new company will carry out research and development work on propellants and explosives.

■ The Mellon Institute, Pittsburgh, Pa., has announced plans for construction of a \$1-million laboratory to house its recently established department of radiation research [*Science* 124, 581 (28 Sept. 1956)]. The two-story, double-basement laboratory structure will be built on a newly acquired 125-acre rural tract located about 20 miles east of Pittsburgh near the town of Export, Pa. Other structures expected to be required by the institute's expanding industrial research programs will probably be built on the same site in the future.

■ The International Business Machines Corporation has announced plans for a new IBM Research Center in Yorktown, N.Y., 38 miles north of New York City. Options have been taken on a 224-acre site until a zoning variance is obtained for the construction of laboratories and administrative offices to accommodate the approximately 1600 staff members. The announcement follows the creation earlier this year of a separate group within the IBM engineering organization to consolidate all fundamental research aimed at improving the company's products. The work of this group will be guided by Emanuel R. Piore, recently appointed IBM director of research and formerly chief scientist of the Office of Naval Research.

No manufacturing operations of any kind will take place at the new research center. Eventually members of the present IBM Research Laboratories in Poughkeepsie, N.Y., will move to the new facility. The space vacated in Poughkeepsie by the research staff is to be occupied by expanding product development activities, which will remain there together with plants for the manufacture of electronic data processing machines and other products.

Miscellaneous

■ Thirty-five new technical problems for the attention of the nation's civilian inventors have been assigned by the Department of Defense to the National Inventors Council, U.S. Department of Commerce, the liaison agency between inventors and the armed services. These problems are published in a supplement to the council's cumulative list, *Technical Problems Affecting National Defense*. The supplement and the cumulative list may be obtained by writing to NIC, U.S.

Department of Commerce, Washington 25, D.C.

An inventor who has a proposed solution to one of these problems may submit his idea to the council, which will evaluate it and, if it is practicable, present it to the proper military agency. Problems in the supplemental and cumulative list range through the fields of aeronautics, electronics, mechanics, plastics, chemistry, instrumentation, materials handling, metallurgy, and others.

■ Jack McCormick, who is in charge of vegetation studies at the American Museum of Natural History, New York, is organizing a series of regional vegetation bibliographies to treat of both the North and South American continents. The bibliographies are to be issued by the museum. It is hoped that scientists interested in vegetation studies will assist this project. Anyone having geographically arranged files which cover flora (other than strictly taxonomic works) or vegetation of all or any portion of the American continents is urgently requested to communicate with McCormick (American Museum of Natural History, Central Park W. at 79 St., New York 24, N.Y.).

■ The International Commission on Zoological Nomenclature has announced that, as from 30 Apr. 1957, it will start voting on the following cases involving the possible use of its plenary powers for the purposes specified against each entry. Full details of these cases were published on 31 Oct. in the *Bulletin of Zoological Nomenclature* (vol. 12, pt. 10): (i) *Encrinurus* Emmerich, 1844, and *Odonotochile* Hawle & Corda, 1847, designation of type species for; *punctatus* Wahlenburg, 1821 (*Entomostracites*), validation (Class Trilobita); (ii) *Cupido* Schrank, 1801, designation of type species for (class Insecta, order Lepidoptera); (iii) *jurtina* Linnaeus, 1758 (*Papilio*), grant of precedence to, over *janira* Linnaeus, 1758 (*Papilio*); *EPINEPHELIDI* Tutt, 1896, suppression of (class Insecta, order Lepidoptera); (iv) *venulosa* Laurentus, 1768 (Hyla), determination (class Amphibia).

A proposal is also made for the adoption of the following declaration: determination of the relative precedence to be accorded to two or more names for family-group taxa published in the same book and on the same date. Comments should be sent as soon as possible in duplicate to Francis Hemming, secretary to the commission, 28 Park Village E., Regent's Park, London, N.W.1.

Erratum: In the article "Provincial universities in the United Kingdom," by Trevor I. Williams [*Science* 124, 347 (24 Aug. 1956)], the names of the people identified in the picture on the left-hand side of page 348 were misspelled. The correct names are M. K. Das Gupta and R. C. Jenkinson.