HARVEY F. MACK, Easton, Pa.; 77; pioneer in the printing of scientific periodicals; 29 May.

CARL NEUBERG, New York, N.Y.; 78; research professor of biochemistry at New York Medical College; former director of the Kaiser Wilhelm Institute of Experimental Therapy in Berlin and of the Kaiser Wilhelm Institute for Biochemistry at Dahlem; founder of the journal *Biochemische Zeitschrift,* the first journal devoted exclusively to the biochemical sciences; discoverer of a process for making glycerin from sugar, which led to the commercial production of nitroglycerin by yeast fermentation; 30 May.

ROBERT N. RANDOLPH, Westfield, N.J.; mechanical engineer for 33 years with New Jersey Bell Telephone Company; 31 May.

DAMASO DE RIVAS, Tallehassee, Fla.; 81; former professor of pathology at the University of Pennsylvania Medical College; specialist in tropical diseases; 28 May.

NELSON G. RUSSELL, Buffalo, N.Y.; 83; professor of medicine emeritus at the University of Buffalo Medical School; 4 June.

PERCY F. SMITH, Hamden, Conn.; 88; James E. English emeritus professor of mathematics and chairman of the department at Yale University; 3 June.

MALFORD W. THEWLIS, Wakefield, R. I.; 66; pioneer in geriatrics; founder of the American Geriatrics Society; 3 June.

WILLIAM C. WOOD, Philadelphia, Pa.; 70; professor emeritus of otolaryngology at the University of Pennsylvania Graduate School of Medicine; 4 June.

Education

■ The Alfred P. Sloan Foundation, Inc., has made a grant of $150,000 to the Menninger Foundation, Topeka, Kan., in support of the Menninger School of Psychiatry. This is the foundation's first sizable commitment in the field of mental health.

The Menninger School is observing its tenth anniversary this year. Since its establishment, 500 physicians have been enrolled in its 3- to 5-year training program, and as of 1 July 140 fellows will be studying there.

■ Indiana University has dedicated its new David Starr Jordan Hall of Biology. The $5.8 million teaching and research center for bacteriology, botany, and zoology honors the late Dr. Jordan, who was professor of zoology at the university and its president before he assumed that post at Stanford University. Forty-five scientists read papers during the dedication ceremonies.

■ A basic research project in insect taxonomy, specifically designed for the preparation of taxonomic monographs on United States parasitic wasps, has started under the joint sponsorship of the University of Michigan and the Dow Chemical Company. The university has provided laboratory space and general facilities for the work in its Museum of Zoology at Ann Arbor, and Dow is providing funds.

The project director is Henry Townes, who has joined the university staff as a research associate; he formerly served as associate professor of entomology at North Carolina State College, Raleigh. Associated with Townes is Robert R. Dreisbach, Dow consultant and a specialist in insect taxonomy.

Initial work will be devoted to the family Ichneumonidae, which includes about 7500 species of which about two-thirds are still unnamed. Cooperation with research workers in other institutions will be freely sought and freely given.

■ The University of Michigan has received $178,750 from the Herbert H. and Grace Dow Foundation of Midland, Mich., for the establishment of a television system in the University Hospital. Equipment will include a regular portable black and white camera, a film camera that will project color slides and films to class rooms, control equipment, and a special color camera that will be mounted over the operating table.

Although the system will be used primarily to telecast on a closed circuit, it will be color compatible, and thus it will be possible to telecast, nationwide if necessary, through local commercial stations in either color or black and white. It will also be possible for other hospitals throughout the state to purchase special closed-circuit receiving apparatus for seeing programs on the hospital television circuit.

■ The Argonne National Laboratory reports that 76 faculty members and 41 students, representing 63 American educational institutions, have been accepted for summer employment. The laboratory, which is operated for the U.S. Atomic Energy Commission by the University of Chicago, makes such appointments annually to encourage research and to strengthen teaching in fields related to atomic energy.

In addition, 61 faculty members from 36 American engineering colleges and universities are enrolled in a 2-month nuclear energy institute that will be held at the laboratory beginning 25 June. The institute, the first of its kind, is being sponsored jointly by the laboratory, the Atomic Energy Commission, the American Society for Engineering Education, the National Science Foundation, and Northwestern University. The purpose of the institute is to provide engineering college faculty members with training that will help them to incorporate nuclear engineering material into their courses of instruction.

■ The University of New Mexico has announced that next fall it will operate a graduate training center at the Los Alamos Scientific Laboratory. Contract negotiations between the university and the University of California, which operates Los Alamos for the U.S. Atomic Energy Commission, have been completed. The purpose of the graduate center is to provide a program of courses leading to the master of science degree in the fields of physics, chemistry, mathematics, and engineering.

John F. Suttle, associate professor of chemistry at the University of New Mexico, will be resident director of the program at Los Alamos; he will begin his duties on 1 Aug. The new center will differ from the present graduate program sponsored by the University of New Mexico in that students may attain the M.S. degree with residence entirely at Los Alamos.

Previously, laboratory employees had to interrupt their employment so that they might complete their residency requirements at Albuquerque. To meet requirements for the Ph.D. degree, it will still be necessary for the candidate to have at least two consecutive semesters of residence on the University of New Mexico campus.

Grants, Fellowships, and Awards

■ The National Research Council of Canada has awarded 27 medical research fellowships for 1956–57. Total value of the awards is $72,950, plus traveling allowances when required. All fellowship recipients are medical graduates who will engage in research in the medical sciences. Twenty-two of the awards will be held in Canadian universities, four in the United States, and one in England.

■ The Nutrition Foundation, Inc., has announced that nominations are invited for its $1000 Osborne and Mendel award, which was established to recognize exploratory research in the science of nutrition. The award will be given to the investigator who has made the most significant published contribution in the year preceding the annual meeting of the institute, or who has published a series of contemporary papers of outstanding significance.

As a general policy, the award will be made to one person; however, if in the judgment of the jury of award an in-

justice would otherwise be done, it may be divided among two or more persons. Normally preference will be given to research workers in the United States and Canada, but investigators in other countries, especially those sojourning in the United States or Canada for a period of time, are not excluded from consideration. Membership in the Institute of Nutrition is not a requirement for eligibility and there is no limitation as to age.

Nominations may be made by anyone. Information submitted must include as convincing a statement as possible regarding the basis of the nomination (this may include a pertinent bibliography, but reprints are not required). Five copies of all documents, including seconding statements, must be sent *before 1 Jan. 1957* to the chairman of the Nominating Committee, R. V. Boucher, Agricultural and Biological Chemistry, Pennsylvania State University, University Park, Pa.

■ Applications will be accepted *through 4 Sept.*, for the second group of senior postdoctoral fellowships to be awarded by the National Science Foundation during the current calendar year. Fellowships will be awarded in mathematical, physical, medical, biological, engineering, and other sciences, including anthropology, psychology (other than clinical), geography, certain interdisciplinary fields, and areas of convergence between the natural and social sciences. Names of successful fellowship candidates will be announced on 16 Oct.

To be eligible for these awards, candidates must be citizens of the United States with demonstrated ability and special aptitude for advanced training and productive scholarship in the sciences. In addition, candidates must have at least 5 years' experience beyond the science doctorate or its equivalent. Annual stipends of from $2000 to $10,000, adjusted to match as closely as feasible the regular salaries of the award recipients, may be applied toward study or research in an accredited nonprofit institution of higher learning in the United States or abroad. A limited allowance to aid in defraying costs of travel for a fellow and his dependents will also be available. Applications and further details may be obtained from the Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D.C.

In the Laboratories

■ A 4-day open house was held last month at the new instrument manufacturing plant in North Wales, Pa., of the Leeds and Northrup Company. Guests included industrialists and scientists, as well as employees and their families. Security regulations did not permit invitations to the general public.

A highlight of the program was a demonstration of combined 18th and 20th century electric instruments. This was arranged in cooperation with the Franklin Institute as a tribute to Benjamin Franklin, whose 250th birthday is being recognized this year by organizations throughout the world.

The plant will be devoted entirely to manufacture of Speedomax recorders and recorder controllers, Metermax combustion controls, L&N load-frequency controls, and certain other automatic instrumentation widely used by science and industry. Manufacturing operations employ standard machine tools, engravers, winding machines and molding machines, and such operations as heat-treating, spraying and lacquering, connecting, calibrating, testing, assembling, and tool and die making. Because of the wide variety of products, mass-production techniques are seldom used.

The manufacturing and office areas are a single-story building with partial mezzanine, providing more than 6 acres of floor space. Walls are of brick and insulated metal siding, with glare-resistant windows. The plant was designed by Giffels and Vallet Inc., L. Rossetti, Detroit.

Buildings and land, a 129-acre tract, cost about $4 million; inventory and equipment about $7 million more. There will be about 1300 employees at North Wales, including not only some of the firm's manufacturing people but also some from the departments of engineering, industrial engineering, personnel, accounting, and maintenance.

■ Texas Instruments Incorporated, Dallas, will acquire the William I. Mann Company on 30 June. Mann has been in business for 9 years and is the largest western producer of precision optical components that are used in scientific and military instruments, guided missiles, and projection devices. The company employs about 100 people and has yearly sales of approximately $800,000. All manufacturing facilities are located in Monrovia, Los Angeles County, Calif.

■ Olin Mathieson Chemical Corporation's new experimental unit for the production of synthesis gas by partial oxidation of coal went into operation recently at Morgantown, W.Va. Although it will be used for experimental purposes only, the unit will be capable of producing synthesis gas in the amount required to manufacture approximately 80 tons a day of ammonia or equivalent methanol.

Ammonia is used in the manufacture of fertilizers, plastics, synthetic fibers and other chemicals, while methanol is used in automotive antifreeze and as a solvent. The partial oxidation process is expected to eventually replace the present process for making synthesis gas at Morgantown.

The process was developed by the Texaco Development Company. It is now in commercial operation elsewhere using natural gas and fuel oil as raw materials, and a small pilot unit has operated successfully on coal. The Morgantown experimental unit will determine the feasibility of commercial-scale operation using coal.

Miscellaneous

■ The Federal Government has just completed the indexing of all fishery publications from 1871, the year the Government took official interest in commercial fishing, to 1954. Topics range from the control of fungus on pike eggs to how to cook shrimp. The publication, Fish and Wildlife Service *Circular 36,* can be obtained for $1.50 from the Government Printing Office, Washington 25, D.C.

■ The International Commission on Zoological Nomenclature has announced that beginning 12 Dec. 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 were published on 12 June in the *Bulletin of Zoological Nomenclature* (vol. 12, Pts. 1 and 2): (i) *Paradoxides* Brongniart, 1822, validation; *Olenus* Dalman, [1827], designation of type species for; *paradoxus* Linnaeus, 1759 (*Entomolithus*), suppression, and PARADOXIDEN Emmrich, 1844, (wrongly based on *Olenus*) suppression (Cl. Trilobita); (ii) *munda* Kuhl, 1820 (*Proc.* [*ellaria*] and *Nectris*), suppression (Cl. Aves); (iii) *Daira* de Haan, [1833], validation (Cl. Crustacea, Order Decapoda); (iv) *tuberculatus* Hall, 1859 (*Acidaspis*), validation; *Acanthaloma* Conrad, 1840, suppression (Cl. Trilobita); (v) *Theridion* Walckenaer, 1805 (Cl. Arachnida), designation of type species for; (vi) *Protopeltura* Brögger, 1822 (Cl. Trilobita), designation of type species for; (vii) *punctata* (*Querquedula*), validation of, as from Sclater (P.L.), 1880, as name for the Hottentot Teal (Cl. Aves); (viii) *Trinucleus* Murchison, 1839, validation of; *tuberculatus* Link, 1807 (*Trinucleus*), suppression (Cl. Trilobita); (ix) *Panulirus* White, 1847, validation; *commune* Leach, 1818 (*Phyllosoma*) and *rissonii* Desmarest (*Palinurus*), suppression (Cl. Crustacea, Order Decapoda); (x) *Illaenus* Dalman, [1827], protection of by suppression of *Cryptonymus* Eichwald, 1825 (Cl. Trilobita). Comments should be sent as soon as possible to the secretary of the commission, Francis Hemming, 28 Park Village East, Regent's Park, London, N.W.1.