

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. Se-

curity 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 (*Entomolitus*), 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 Slater (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) *Illaeus* 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.