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Grants and Fellowships

Funds to assist US biophysicists to attend next summer's International Congress of Biophysics have been obtained by the NAS-NRC ad hoc Committee on International Relations in Biophysics. The Congress will take place in Stockholm, Sweden, from July 31 through August 4. Application forms, which must be returned no later than December 31, can be obtained from the Committee on International Relations in Biophysics, Division of Biology and Agriculture, National Academy of Sciences—National Research Council, 2101 Constitution Avenue, Washington 25, D. C.

One-year appointments for "the development of creative abilities and advanced education of young investigators of unusual promise" are offered under a National Academy of Sciences—National Research Council program of postdoctoral resident research associateships. Eligibility requirements include US citizenship, a doctoral degree or its equivalent, and evidence of "superior ability for creative research". The associateships are tenable at the National Bureau of Standards, Naval Ordnance Laboratory, Naval Research Laboratory, Naval Weapons Laboratory, Navy Electronics Laboratory, US Army Chemical Corps Biological Laboratories, several laboratories of the Agricultural Research Service, and four technical centers of the Air Research and Development Command. Research opportunities at the regular and senior postdoctoral levels are also available at the Goddard Space Flight Center, the Quartermaster Research and Engineering Center Laboratories, and the Quartermaster Food and Container Institute. Brochures describing these separate associateships in detail can be obtained from the Fellowship Office, National Academy of Sciences—National Research Council, 2101 Constitution Avenue, N.W., Washington 25, D. C. In order to be considered for 1961-62 awards, applications must be filed with the Fellowship Office before February 1.

A new postdoctoral research fellowship program has been inaugurated with the support of the Air Force Office of Scientific Research. Awards will be made in various branches of the natural and applied sciences to US citizens at the postdoctoral level for work carried out at educational institutions and research laboratories in the US and abroad. Application materials are available from the NAS-NRC Fellowship Office at the above address and must be returned by January 9.

The Institute of Mathematical Sciences at New York University is again offering temporary memberships to mathematicians and other scientists holding the PhD degree who intend to study and do research in the fields in which the Institute is particularly active. These fields include functional analysis, function theory, differential equations, mathematical physics, fluid dynamics and magnetohydrodynamics, electromagnetic theory,

Designed by the scientists who will use its laboratory facilities, the Philco Research Center at Blue Bell, Penna., is now completely enclosed. Occupancy is scheduled for early 1961.

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numerical analysis, statistics, and computers. The temporary membership program, which is supported by the National Science Foundation and also by funds contributed to NYU by industrial firms, is designed primarily to alleviate the present critical shortage of scientists trained in mathematical physics, applied mathematics, and mathematical analysis. Grants to temporary members will be made in accordance with their professional status and are awarded for one year, but may be renewed in special cases. Appropriate arrangements can be made for applicants who expect to be on leave of absence from their institutions. Temporary membership carries no specific obligation or duty and the entire program of the Institute (including research projects, the advanced graduate courses, and the research seminars of the Institute as well as the use of computational facilities) is open to participation by temporary members. The Computing Center now has an IBM 704 which will be replaced by a 7090 in the spring of 1961. Requests for information should be addressed to the Membership Committee, Institute of Mathematical Sciences, 4 Washington Place, New York 3, N. Y. Applications should be submitted by February 15.

Applications for National Science Foundation graduate fellowships for 1961-62 will be accepted through January 6. Awards will be made to US citizens who have demonstrated ability and special aptitude for advanced training in the sciences and are studying for either the master's or the doctoral degree. Study may be undertaken at any nonprofit institution of higher education in the United States or abroad. The qualifications of applicants will be evaluated by panels of scientists appointed for the task by the National Academy of Sciences—National Research Council; final selection of fellows will be made by the Science Foundation. Complete information on the program can be obtained from the Fellowships Section, Division of Scientific Personnel and Education, National Science Foundation, Washington 25, D. C. Application materials are available from the Fellowship Office, National Academy of Sciences—National Research Council, 2101 Constitution Avenue, N.W., Washington 25, D. C.

The Oak Ridge Institute of Nuclear Studies is accepting applications from college seniors and graduates for Atomic Energy Commission Special Fellowships in Health Physics at one or another of eight universities in 1961-62, followed by three months of practical experience at an AEC laboratory. Applications are open to students who will have, by the fall of 1961, received their bachelor's degrees in physics, biology, chemistry, or engineering, and will have completed the study of mathematics through calculus. Applicants with majors in related sciences will also be considered. The fellowships can be renewed in some cases for completion of requirements for a master's degree. The deadline for filing applications is February 1, 1961. Further information and applications are available from the Health Physics Fellowship Office, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tenn.

ORINS has also announced the availability of up to 150 Atomic Energy Commission Special Fellowships in Nuclear Science and Engineering for the academic year 1961-62. Stipends range from \$1800 to \$2200. Additional sums, to a maximum of \$1500, are allowed for dependents. Graduate students and seniors who will have received their degrees by the beginning of the academic year 1961-62 may apply. Applications must be received by January 6, 1961. Further information and the necessary forms are available from the Nuclear Science and Engineering Fellowship Office, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tenn.

Awards

The Franklin Institute in Philadelphia held its annual Medal Day ceremonies on October 19. The following were among those honored:

W. F. G. Swann, director emeritus of the Bartol Research Foundation of the Franklin Institute, received an Elliott Cresson Medal for his cosmic-ray investigations and for his "many investigations in numerous areas of physical science and unrelated subjects that have broadened and deepened an understanding and a meaning of the universe and life therein".

C. Stark Draper, professor and head of the Department of Aeronautics and Astronautics and director of the Instrumentation Laboratory at the Massachusetts Institute of Technology, received the Howard N. Potts Medal for "his substantial and significant contributions to the science of inertial navigation, which have resulted in outstanding advances in the accuracy of navigation below and on the surface of the ocean, through the air and into space".

Among the Institute's Longstreth Medalists was John W. Coltman, associate director of the Westinghouse Electric Corporation Research Laboratory in Pittsburgh, who was cited for his work on the x-ray image amplifier.

This year's winners of Stuart Ballantine Medals were Rudolf Kompfner, director of electronics and radio research at the Bell Telephone Laboratories in Holmdel, N. J., and John R. Pierce, director of research in communications principles at the Bell Laboratories in Murray Hill, N. J., for their work on the traveling wave tube amplifier, and Harry Nyquist, formerly assistant director of systems studies at BTL in Murray Hill, who was cited for his work in electrical communication engineering.

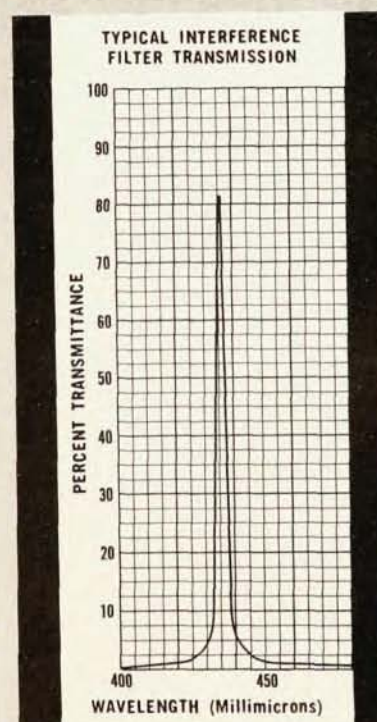
The Atomic Energy Commission has established a citation consisting of a scroll and a medallion, for presentation to persons not in the employ of the Commission who have made meritorious contributions to or have been outstanding in participation in its nuclear energy program. Employees of Commission contractors and of other US Government departments or agencies (as well as private individuals) are eligible to receive the award. It may be granted posthumously. Unlike the

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