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PROCEEDINGS OF THE CONFERENCE ON MAGNETISM AND MAGNETIC MATERIALS

The proceedings of the Conference sponsored by the A.P.S., A.I.E.E., A.I.M.M.E., I.R.E., and O.N.R., held November 18-21, 1957 have been reproduced in a special issue of the JOURNAL OF APPLIED PHYSICS, March, 1958. The issue contains approximately 375 pages of invited and contributed papers, letters, and comments.

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lion program of aid to education; S. 3163 (introduced by Senator H. Alexander Smith of New Jersey, ranking Republican on the Committee) proposes a four-year program costing \$900 million. Each bill would provide funds for continued support of scholarships existing in the last year of the program. Senator Hill's proposed legislation would also provide for student loans, the acquisition of needed science-teaching facilities by colleges, advanced training for teachers in summer sessions and extension courses, and additional federal support of vocational education. Scientists have apparently shown little interest in the measures that have been introduced for the support of education, and it has been indicated that the informed views of individual scientists would be helpful to members of Congress in considering the issues involved.



Edward L. O'Neill, 1958 recipient of the Adolph Lomb Medal of the Optical Society of America. Dr. O'Neill is assistant professor of physics at Boston University and is also serving as a research associate on the staff of the Physical Research Laboratory of ITEK Corp.

Awards and Grants

The Adolph Lomb Medal of the Optical Society of America has been awarded this year to Edward L. O'Neill, assistant professor of physics at Boston University. The presentation was made on March 28th during the Society's spring meeting in Washington, D. C. The medal was established by the Optical Society in honor of its first treasurer and is awarded in tribute "to a young man less than age thirty for noteworthy contributions to optics". It is given no more often than once every two years. In a citation read by J. L. Saunderson of Baird-Atomic, Inc., Cambridge, Mass., chairman of the Society's Adolph Lomb Medal Committee, Dr. O'Neill was nominated for the 1958 award in recognition of his success in applying the mathematical techniques of electrical communication theory to optical problems. He was also cited for his contributions as a teacher in attracting students to the study of optics.

Bell Telephone Laboratories announced in April the awarding of 14 graduate fellowships to students working toward the PhD degree in sciences relating to

communications. Each fellowship carries a grant of \$2000 to the recipient and an additional \$2000 to cover tuition, fees, and other costs at the selected school. Half of the 1958-59 fellowships were awarded to physics students. Since the program was inaugurated three years ago, a total of 49 such fellowships have been awarded by the Laboratories.

The National Science Foundation is authorized to provide a limited number of travel grants for the purpose of assisting qualified scientists who wish to attend certain conferences, congresses, and other scientific meetings held abroad. Decisions will be made by the Foundation concerning specific meetings for which travel support can be extended. Physical scientists, mathematicians, and engineers who wish support to attend international meetings concerned with subjects in the physical sciences should submit application forms for financial assistance prior to June 30 for travel between October 1 and March 31, and prior to December 31 for travel to be undertaken between April 1 and September 30. Requests for application forms should be addressed to the Assistant Director for Mathematical, Physical, and Engineering Sciences, National Science Foundation, Washington 25, D. C.

A prize for the best 3000-word essay based on some recent scientific research or new development (whether the author's work or not), giving some indication of the scientific background, experimental results, and potential application in industry, will be offered by the British journal *Research* in its 1958 Waverly Gold Medal Essay Competition. The competition, which is open only to persons currently engaged in scientific work, was initiated in 1953 to draw attention to the problem of communicating scientific information to the layman and also to scientists engaged in other fields. The first prize will consist of the Waverly Medal and £100. A second prize of £50 will also be awarded and an additional £50 prize will be given to a competitor who, on July 31, 1958, is not yet 30 years of age. All entries must reach The Editor, *Research*, 4/5 Bell Yard, London W. C. 2, England, on or before July 31.

Ohio State University will offer 27 scholarships and fellowships for study and research during 1958-59 in fields (including physics) related to national security policy. The newly established grants, to be awarded on a national basis, represent part of the "Mershon Program for National Security", which is supported by income from a \$7.25 million bequest from an Ohio State alumnus. The awards will include twenty \$1500 scholarships for juniors and seniors, five \$3000 graduate fellowships, and two \$7500 postdoctoral fellowships. Undergraduates interested in the Mershon scholarships should communicate with the Director of University Scholarships, Ohio State University, Columbus 10, Ohio. Application forms, obtainable at the above address, must be submitted before June 1. Deadlines for the graduate and postdoctoral fellowships are already past for 1958-59, and will be February 15 for subsequent years.



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address: Robert L. Koller

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