# the physics community

## Mary Osberger receives Hunt fellowship from ASA

The Acoustical Society of America has named Mary J. Osberger as the recipient of the second annual F. V. Hunt Postdoctoral Research Fellowship. The fellowship, named for the late Frederick V. Hunt, pioneer in underwater acoustics, is awarded to the applicant who is judged to exhibit "the highest potential for benefiting the science of sound and promoting its usefulness to society." This year's award is for $15 000, a sum that was supplied by the Office of Naval Research.

Osberger, currently a research associate at the City University of New York Graduate Center, received her doctorate from that institution in 1978. Her doctoral thesis concerned the effect of deviant timing patterns on the intelligibility of deaf children's speech. During her fellowship, Osberger will attempt to develop more effective speech training strategies for congenitally deaf children by using computer simulation to help determine the effect that specific types of errors have on the intelligibility of their speech.

## Klauder, Braid to edit two AIP journals

John R. Klauder (Bell Labs) and Thomas H. Braid (Argonne) are the newly appointed editors of, respectively, the *Journal of Mathematical Physics* and *The Review of Scientific Instruments*. The appointments were made by AIP director H. William Koch on the recommendation of search committees, headed by Joel Lebowitz (Rutgers University) for *JMP* and Sidney C. Abrahams (Bell Labs) for *RSI*.

Klauder received his PhD in physics from Princeton University in 1959. A member of the Bell Laboratories technical staff since 1953, he was a visiting professor at the University of Bern (1961–62), Rutgers University (1965) and Syracuse University (1967–68). He has written journal articles on solid-state physics and on quantum and gravitational field theory and (with E. C. G. Sudarshan) a book *Fundamentals of Quantum Optics* (1968). Klauder is only the third editor of the *Journal of Mathematical Physics;* he has succeeded Morton Hamermesh, the editor since 1970.

Braid received his PhD from the University of Edinburgh in 1951 for his work on beta spectroscopy. From 1950 to 1952 he was an NRC Fellow at Chalk River Laboratory, and subsequently became a research assistant and later research associate at Princeton University from 1952 to 1956. A staff member at Argonne National Laboratory since 1956, he has taught at the Illinois Institute of Technology and the Argonne Center for Education Affairs. He conducted experiments in nuclear-structure physics, principally involving charged-particle accelerators, in the early part of his career. At present he studies fuel failure in reactor safety experiments and develops instrumentation for that purpose.

Braid has had extensive editorial experience with AIP journals. He was acting editor of *Applied Physics Letters* from October 1974 to June 1975 and has been an associate editor of that journal since 1974. In the summer of 1972 he was a special editor on the *Journal of Applied Physics*. A member of the Editorial Board of *The Review of Scientific Instruments* from 1961 to 1963, Braid has succeeded J. B. Horner Kuper, the editor of this journal since 1954. Kuper has become editor emeritus.

Klauder and Braid will continue to work at their respective institutions while serving as editors.

## AVS founds materials and processing division

A new Electronic Materials and Processing Division has been formed by the American Vacuum Society, with William E. Spicer (Stanford Electronics Laboratory) as the first chairman. The main areas of attention for this division will be the vacuum processing and interface science of electronic materials, especially silicon and III–V semiconductors. Inquiries regarding the division should be addressed to the division secretary, Esther Krikorian, Physics and Infrared—MZ 4-91, General Dynamics, Pomona Division, Mission Blvd., Pomona, Calif. 91766; phone (714)-629-5111, ext. 3024.

## AIP survey shows fewer MS and PhD recipients

A declining number of graduate physics degree recipients and an improving job market for recent graduates are reported in the *1977–78 Graduate Student Survey* of the AIP Manpower Statistics Division. The number of terminal masters degree recipients fell from 717 the preceding academic year to 694 in 1977–78, and the number of doctorate recipients fell 8% to 971. The employment picture is continuing to improve, with potentially permanent employment offers increasing by 5% and a corresponding decrease in the proportion of graduates accepting postdoctoral positions.

The percentage of women graduates is increasing, both at the terminal masters and the doctorate levels, as is the fraction of foreign students. The report attributed this mainly to the declining number of US graduate students. Most notable was the Arab student population, which increased from 79 in 1977 to 111 in 1978.

The survey also revealed a decline in the numbers of students enrolled in astronomy departments (715) and degree recipients from astronomy departments (91) in 1978.

Copies of the annual survey (AIP Publication number R-207.11) may be obtained free from Susanne Ellis, AIP Manpower Statistics Division, 335 East 45th Street, New York, N.Y. 10017.

## Science-writing prize to Cowen of The Monitor

Robert C. Cowen, science editor of *The Christian Science Monitor,* has won the 1979 American Institute of Physics–United States Steel Foundation Science-Writing Award in Physics and Astronomy for his three-part series, "The New Astronomy." The series, published in *The Christian Science Monitor* on 19–21 December, described in layman's terms recent innovations in observational equipment and current theories in astrophysics. H. William Koch, director of the AIP, was scheduled to present Cowen with a check for $1500, a Moebius strip and a certificate at the spring meeting of The American Physical Society in Washington, D.C. last month. The publisher of *The Monitor* was also to receive a certificate. Cowen holds two degrees from MIT, an SB, which he received in 1949, and an SM in meteorology, which he received in 1950. He has been with *The Monitor* since 1950.

# in brief

The American Association for the Advancement of Science is compiling and publishing an inventory of programs conducted since 1966 that were designed to educate women and girls in science, mathematics and engineering. Persons who know of any such projects are asked to contact Michele L. Aldrich, OOS-AAAS, 1776 Massachusetts Avenue N.W., Washington, D.C. 20036.

The National Science Foundation has selected Atlanta University in Georgia as the site of a planned Resource Center for Science and Engineering, designed to increase the number of scientists and engineers from minority and low-income groups. NSF will provide about $2.8 million over a four-year period.