Schultz and Knowles win Silver Medals in acoustics

Hugh S. Knowles and Theodore J. Schultz have been presented Silver Medals by the Acoustical Society of America. The Acoustical Society presents Silver Medals not more than three times each year—these awards honor individuals for contributions to science, engineering or human welfare through the application of acoustical principles or research. This year's medals were bestowed at the Society meeting held in San Diego in November.

Knowles, who received a Silver Medal in Engineering Acoustics, is president of Industrial Research Products Inc and Knowles Electronics. He was cited for his application of acoustical science and technology in industry and government, and, in particular, for his contributions to technology for hearing improvement.

Knowles graduated from Columbia University in 1928. He then worked as an engineer at Jensen Manufacturing Co, 1930–50, during which time he became interested in theoretical acoustics. With the establishment of Industrial Research Products Inc and Knowles Electronics, he was able to develop microphones and receivers that would be compatible with hearing-aid transistors; he also developed and manufactured miniature transducers. Knowles served as President of the Acoustical Society, 1945–47, and served on the executive committee of the National Research Council Science Division, 1950–51.

SCHULTZ

KNOWLES

The Silver Medal in Architectural Acoustics was presented to Schultz, who is technical director for architectural acoustics and noise control at Bolt, Beranek and Newman Inc. He received the award for his contributions to the understanding of acoustical design parameters and criteria for music-performance spaces.

Schultz earned his doctorate at Harvard University in 1954. He then worked for Douglas Aircraft Co as assistant chief of the acoustics section and joined Bolt, Beranek and Newman Inc in 1960. Schultz is now participating in the acoustical design for new concert halls in Toronto, San Francisco and Melbourne.

Ernest Ambler, acting director of the National Bureau of Standards, has received the William A. Wildhack Award from the National Conference of Standards Laboratories. The award is given for contributions to metrology and includes a $1000 honorarium.

At the Massachusetts Institute of Technology, **William F. Brace** and **Carl I. Wunsch** have been named to the newly established Cecil and Ida Green Professorships in the Department of Earth and Planetary Sciences.

W. O. Hamilton has been promoted to professor in the department of physics and astronomy at Lousiana State University, Baton Rouge.

Formerly of Yeshiva University, **Paul M. Raccah** has been appointed professor and head of the department of physics at the University of Illinois at Chicago Circle.

The following changes have been announced by the Kent State University department of physics: **Min-yi Chen** (Columbia University), **Bryon Anderson** (Case–Western Reserve University), **Thomas Witten** (Rice University) and **David Allender** (Brown University) have been appointed assistant professors; **Wilbur Franklin** and **David Uhrich** have been promoted to the rank of professor.

At Clark University (Worcester, Mass.), **Chris Hohenemser** has been promoted to professor of physics.

Alan F. Gibson of the department of physics, University of Essex, has been appointed head of the new laser division at the Rutherford Laboratory.

Mark B. Altman has been appointed senior research physicist in the applied research department of Personal Products (Milltown, N.J.), a Johnson & Johnson affiliate.

The first Gallium Arsenide Symposium Award, including $1000, has been presented to **Nick Holonyak Jr** of the University of Illinois at Urbana–Champaign for the development of the first light-emitting diode.

Bertrand Halperin of Bell Laboratories has joined the faculty of Harvard University as professor of physics.

At the University of Rhode Island,

we hear that

Kingston, **John S. Desjardins** has been promoted to the rank of professor of physics.

Thomas R. Stoeckley has been appointed chairman of Michigan State University's department of astronomy and astrophysics.

At Baird-Atomic (Bedford, Mass.) **Donald W. Heyda** has been appointed manager, engineering, nuclear division; he had been senior scientist in the nuclear division since 1974.

George A. Cowan, head of the chemistry and nuclear-chemistry division at Los Alamos Scientific Laboratory, has received the Distinguished Scientist Award of the New Mexico Academy of Science.

Formerly of the University of Maryland, College Park, **Alvin W. Trivelpiece** has joined Maxwell Laboratories Inc as vice-president for engineering and research.

Robin E. P. Davis has been promoted to professor in the department of physics at the University of Kansas, Lawrence.

E. David Hinkley, a member of the MIT Lincoln Laboratory research staff since 1963, has joined Laser Analytics Inc as vice-president.

Charles I. Browne, formerly assistant director for administration at Los Alamos Scientific Laboratory, has been promoted to associate director for administration.

The new manager of the exploratory studies department at Hughes Research Laboratories is **Donald H. Close.**

Correction

September, page 69—The sponsor of the Warren Award in Diffraction Physics was incorrectly indicated as IBM Corp; the Award is supported by a fund established by the former students and friends of Bertram E. Warren.

obituaries

Eugene Eichler

Eugene Eichler, a nuclear chemist and member of the research staff at the Oak Ridge National Laboratory, died 3 June. Eichler, who was 46 years old at the time of death, had been at Oak Ridge for 21 years.

In 1951 Eichler received the BS degree from St Louis University. As a graduate student at Washington University, his research was in the area of physical chemistry. His postgraduate career, however, paralleled the development of modern nuclear chemistry. After receiving his PhD in 1954, he developed an intense interest in nuclear spectroscopy and started in this new area upon arriving at Oak Ridge. He made the transition with ease and enthusiasm just at the time when scintillation spectrometry was beginning to blossom as an important new field. He was particularly instrumental in developing the techniques for analyzing complicated gamma-ray spectra and establishing quantitative gamma-ray branching relationships. This new knowledge was applied in documenting the previously inaccessible level properties of nuclei populated by the decay of very short-lived radioactive species, especially those produced in fission and requiring fast and complicated chemical separations.

Eichler quickly realized the potential of semiconductor detectors for high-resolution spectroscopy. He became a leading proponent of ion-beam gamma spectrometry with accelerators as a complement to traditional decay-scheme studies for deducing the low-energy properties of nuclei. His efforts were widely recognized by chemists and physicists alike. He was elected Fellow of The American Physical Society in 1975.

EICHLER

During his years at Oak Ridge, Eichler was away for extended periods on three occasions. Not long after his arrival, he was inducted into the army and spend two years at the Army Chemical Center in Edgewood, Maryland, where he utilized his interests in nuclear chemistry. In 1962 he spent a year with the Israel Atomic Energy Commission at Rehovoth, where he assisted in setting up a nuclear chemistry research program. Then in 1968–69 he was a visiting scientist at the Niels Bohr Institute in Copenhagen.