

Einstein Award goes to Eugene Wigner

Eugene P. Wigner, professor of mathematical physics and the 1963 Nobel Prize for Physics laureate, has been awarded the Albert Einstein Award for outstanding contributions to the physical sciences.

The prize, which was established on Einstein's 70th birthday 23 years ago, consists of a gold medal and \$5000. Wigner, who has been a member of the Princeton faculty since 1930, is a past president of the American Physical Society (1956).

Ingard receives the John Ericsson Medal

The American Society of Swedish Engineers' John Ericsson Medal for 1972 has been awarded to K. Uno Ingard. Ingard is a professor of physics and of

Swedish extraction for achievements in the technical or scientific fields.

Ingard, who received his PhD degree from MIT in 1950, joined the physics faculty there two years later. He was appointed to the department of aeronautics and astronautics in 1971. Currently he is supervising research in physical acoustics at the institute's Research Laboratory of Electronics. In 1954, Ingard had received the Acoustical Society of America's Biennial Award.

Serber is recipient of Oppenheimer Prize

Robert Serber, professor of physics at Columbia University, has been honored with the J. Robert Oppenheimer Memorial Prize of the University of Miami Center for Theoretical Studies. The award, which consists of a gold medal, a citation and \$1000, recognizes Serber's contributions to theoretical physics.

Associated with Columbia since 1951, Serber has done research in atomic and molecular structure, cosmic rays, quantum field theory, nuclear physics, particle accelerators and the meson theory. Before coming to Columbia, he also taught at the Universities of California and Illinois, was a senior scientist with the Los Alamos Scientific Laboratory and was a Guggenheim fellow and National Research Council fellow.

Robert Finch wins ASA Biennial Award

Robert Finch, associate professor of physics at the University of Houston and chairman of the Cullen College of Engineering interdisciplinary committee on acoustics, has been honored with the Acoustical Society of America's Biennial Award. The award, which is presented in the spring of even-numbered years to a scientist under 35, was established to recognize achievements in theoretical and applied acoustics. Finch is being cited for his research with ultrasonics and particularly for his contributions toward the understanding of cavitation nucleation.

Before coming to Houston in 1965, Finch was associated with the University of California, Los Angeles, where

he worked with Isadore Rudnick. Finch began his research in acoustics while working for his MS degree at Chelsea College, UK. He received his PhD from Imperial College, UK in 1963, where he wrote a thesis on the "Sonoluminescence in Liquids Under Varying Conditions."

At Houston, Finch helped organize a consulting firm, Applied Acoustics Corp, of which he is now president. His research has included cavitation in liquid helium, the acoustic excitation of railway wheels and underwater horns. Within the ASA, he has served on the committee on education in acoustics, the technical committee on physical acoustics and on the organizing committee on the 72nd and 80th meetings of the society.

Coblentz Memorial Prize awarded to George Leroi

The 1972 Coblentz Memorial Prize in Molecular Spectroscopy was awarded to George E. Leroi, professor of chemistry at Michigan State University.



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aeronautics and astronautics at the Massachusetts Institute of Technology.

The award was presented to Ingard "for serving as an inspired teacher and talented lecturer and for outstanding contributions to applied and theoretical physical acoustics." Established in 1926, the Ericsson Medal is awarded every two years to a Swedish citizen or an American or Canadian citizen of



LEROI

The prize is presented annually to a scientist less than 36 years old for published research in molecular spectroscopy.

Leroi was recognized for his studies of molecular structure and bonding by infrared and Raman spectroscopy, especially of unstable species and crystal-



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Astronomy: Fundamentals and Frontiers

By Robert Jastrow and Malcolm H. Thompson. Foreward by Bengt Stromgren
1972 Approx. 496 pp. \$12.95 tent.

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line solids. His interest in molecular spectroscopy dates back to his undergraduate work at the University of Wisconsin, where he wrote a thesis on a spectroscopic study of boron-oxide vapor at high temperature. After graduating from Wisconsin, he served as an instructor in physical chemistry there.

J. Norman Maycock has been appointed an associate director of the Research Institute for Advanced Studies at Martin Marietta's Corporate Research and Development Laboratory in Baltimore. He will also continue his responsibilities as head of the chemical-physics department.

CBS Laboratories has promoted **William E. Glenn Jr** to director of research. He was formerly general manager of applied physics.

At the Lawrence Radiation Laboratory, Livermore, **R. Norris Keeler** has been appointed deputy head of the physics department. He was formerly "S" division (equation-of-state) leader. The laboratory has also named **Thomas Wainwright** theoretical physics division leader. Wainwright succeeds **Wilson K. Talley**, who has been appointed assistant vice-president of the University of California, academic planning and program review. **William Isbell**, a senior experimental physicist, has joined the staff of "S" division.

Aaron Lemonick, dean of the graduate school and professor of physics at Princeton University, will become dean of the faculty in July 1973.

Frank D. Drake, professor of astronomy at Cornell University, has been named a vice-president-elect of the American Association for the Advancement of Science and chairman-elect of the association's section on astronomy. He will assume these posts on 15 January 1973, after serving in the elective capacity for a year.

The University of California, Irvine has promoted **Richard F. Wallis** to chairman of the department of physics. He succeeds **A. A. Maradudin**, who has been elected chairman of the faculty academic senate.

Joining the staff of Los Alamos Scientific Laboratory are **Darryl D. Holm** in the theoretical design division, **Jeremiah U. Brackbill** in the theoretical division, **Joseph M. Kindel** in the physics division,

Later, he attended graduate school at Harvard University, where he continued to study small molecules at high temperatures and began his investigation of high-temperature species trapped in an inert gas matrix at low temperatures. In 1962 Leroi joined Princeton University and in 1967 he joined Michigan State. Currently, his studies include the vacuum-ultraviolet region through the infrared and Raman scattering.

Kenneth A. Klare in the medium-energy physics division and **Gottfried T. Schappert** in the testing division.

Boston University has appointed **Roger Penrose**, professor of applied mathematics at Birkbeck College, University of London and the winner of the 1971 Heineman Prize for mathematical physics, as professor of physics and research associate in the university's center for philosophy and history of science. Also joining the university as a visiting professor of physics and political science is **Lew Kowarski**, a senior physicist with CERN in Geneva and Paris.

E. Scott Barr has been named professor emeritus of physics at the University of Alabama.

Chairman of the newly formed department of physics at the Universidad Autónoma de Madrid is **Nicolás Cabrera**, formerly Commonwealth Professor of physics at the University of Virginia. Also joining the department as professors are **Fernando Agulló**, a past member of the Junta de Energia Nuclear, Madrid, **Federico G. Moliner**, a member of the Consejo Superior de Investigaciones Científicas, Madrid and formerly of the University of Cambridge, UK and the University of Illinois, **Fernando Rueda**, formerly of the European Space Research Organization and **Francisco Ynduráin**, previously of New York University and CERN. New associate professors include **Juan Rojo**, from the University of Cambridge, UK, **Juan Rubio**, a member of the Consejo Superior de Investigaciones Científicas and previously with the University of Illinois and the University of Bristol, UK, **José L. S. Gomez**, from the Daresbury Nuclear Physics Laboratory, UK, **Carmela Valdemoro**, from the University of Sheffield, UK and **Manuel G. Velarde**, from the Université Libre de Bruxelles and the University of Texas, Austin.

M. A. Acharekar has joined Spacera, Inc in Burlington, Mass. to continue developing materials-processing equipment related to the electronics industry. Acharekar, who was previously em-

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algebra. The authors always keep the application of physical concepts in the foreground, remembering the student's primary interests lie outside the field of physics. Accompanying laboratory manual. By **Phillip E. Highsmith** and **Andrew S. Howard**, Converse College. Text: 272 pp. 235 ill. About \$9.95. Manual: 141 pp. ill. About \$4.75. Both Just Ready!

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Marion & Davidson MATHEMATICAL PREPARATION FOR GENERAL PHYSICS This inexpensive, soft-cover text can help any student whose difficulty with introductory physics stems from his lack of familiarity with basic mathematical tools. It can help him build manipulative skill without using valuable classroom time. The authors offer a short, concise overview of all the mathematical topics nor-

mally encountered in an introductory-level course. In every instance the authors are concerned with operational techniques—not rigor. Mathematical ideas are integrated with physical concepts. By **Jerry B. Marion** and **Ronald C. Davidson**, Univ. of Maryland. 230 pp. ill. \$4.75. February, 1972.

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played by Micronetics, Inc, received his PhD in gaseous discharge physics from the Institute of Science, Bombay, India in 1970.

Scott L. Norman has joined the staff of General Telephone and Electronics Laboratories, Bayside, N. Y., where he will be responsible for optical data storage activities. He was formerly head of the advanced materials study group at GTE's Automatic electric laboratories in Northlake, Ill.

John W. Weil has been promoted to vice-president of advanced systems and technology of Honeywell's computer business.

John A. Nation has been promoted to professor of electrical engineering at Cornell University. He is also a member of Cornell's Laboratory of Plasma Studies, where he is involved in research on plasma physics and relativistic electron beams.

John K. Davis has been named chief, ophthalmic sciences for the optical products division of American Optical

Corp. He was previously manager of lens technology there.

Fred L. Wilson has been promoted to administrative assistant to the dean at the National Technical Institute for the Deaf.

Bodo Bartocha has been promoted to head of the office of international programs at the National Science Foundation.

George M. Volkoff, previously head of the physics department of the University of British Columbia, is now dean of the faculty of science at the university.

The new president and chief executive of Tinsley Laboratories, Inc in Berkeley is **Tuckman Moss**, formerly with Ealing Corp in Cambridge, Mass.

Rejoining the US Atomic Energy Commission in the division of controlled thermonuclear research is **Stephen O. Dean**. He was formerly with the Naval Research Laboratory.

The new vice-president of data systems development of Addressograph Multi-graph Corp is **Donald B. Brick**.

obituaries

Robert O. Haxby

Robert O. Haxby, a professor of physics at Iowa State University and a senior physicist at Ames Laboratory, died on 11 January of an apparent heart attack. Haxby, who was 59, was attending a meeting at the Argonne National Laboratory, where he was to present a paper, at the time of his death.

Associated with Iowa State since 1965, Haxby had previously been a member of the Purdue University physics faculty for nineteen years. Haxby had received both his MS and PhD degrees from the University of Minnesota. His research included nuclear physics, microwaves and radar.

Donald R. Hamilton

Professor of physics and former dean of the graduate school at Princeton University, Donald R. Hamilton, died on 4 January after a long illness. Hamilton was 57 years old.

Hamilton began his teaching career at Princeton, from which he had received his BA degree, as an assistant professor in 1946. In 1955 he was pro-

moted to full professor and three years later he was appointed dean of the graduate school. He served in this position until 1965, when he resigned to return to the physics department.

Before joining Princeton, Hamilton was associated with war research projects at the Massachusetts Institute of Technology's Radiation Laboratory and with the Sperry Gyroscope Co. During World War II he was involved in the development of klystrons. At various times he was also a visiting professor at the Institute for Advanced Study, the Brookhaven National Laboratory and Stanford University.

Claude Bloch

The sudden death of Claude Bloch, on 29 December 1971 from a heart attack, is a major loss for French physics and the international scientific community.

Bloch's profound and original contributions to the theory of atomic nuclei and the structure of matter have had wide impact and enduring value. His "unified theory" of nuclear reactions and his contributions to the statistical theory of nuclei have become classics.

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