

Franklin Institute honors Harris, Crewe and six others

The Franklin Institute honored eight scientists and two companies at its annual Medal Day awards ceremony on 2 November. The award recipients were cited for their achievements in fields as diverse as architectural acoustics, medical technology, light-guide and lightwave communications, optics, metallurgy and fabric technology.

Cyril M. Harris, past president of the Acoustical Society of America and acoustical designer for more than 100 concert halls and auditoriums, received the Franklin Medal, the Institute's most prestigious award. Harris, the Charles Batchelor Professor of electrical engineering and professor of architecture at Columbia University in New York, was cited for his contributions to acoustical science and engineering and for his design of concert halls "of superlative acoustical quality." His acoustical designs include New York's Metropolitan Opera House, the new Avery Fisher Hall, the Kennedy Center for the Performing Arts in Washington and the Powell Symphony Hall in St. Louis.

Harris is currently a consultant to the National Center for the Performing Arts in Bombay, India, the Bicentennial Arts Center in Salt Lake City, Utah, and for the new auditorium to be built at the Kennedy Center in Washington.

Albert V. Crewe, the inventor of the scanning transmission electron microscope, was given the Institute's Albert A. Michelson Medal. In 1964 Crewe invented the device that allowed other re-

searchers to obtain the first pictures of isolated atoms and in 1976 permitted the first motion-picture sequences showing movement of atoms.

A member of the physics faculty at the University of Chicago since 1956, Crewe concurrently was the director of the Particle Accelerator Division at Argonne National Laboratory (1958) and then was named to direct the entire Laboratory (1961). He has served as dean of the Physical Sciences Division at the University of Chicago since 1971 and is also very active at the University's biophysics department and Enrico Fermi Institute.

The Howard N. Potts Medal was awarded to Godfrey N. Hounsfield, senior staff scientist at Britain's EMI Central Research Laboratories and the recipient of the Royal Society's Mullard Award for this year. He was cited for the invention of the computerized axial tomography diagnostic system, a device often described as the most significant advance in radiology since the discovery of x rays.

William Oliver Baker, president of Bell Laboratories, Inc. was presented with the Delmer S. Fahrney Medal for his leadership in research for the telecommunications industry. He was lauded for his inspiring contributions "resulting in important and innovative technology for industry."

Charles Kuen Kao, staff scientist with Electro-Optical Products Division of the International Telephone and Telegraph Corporation in Roanoke, Virginia, and Stewart E. Miller, the director of the Bell



HARRIS



CREWE

Labs Guided Wave Research Laboratory in Holmdel, New Jersey were awarded the Stuart Ballantine Medal for their contributions in light-guide and lightwave communications technology.

The Francis J. Clamer Medal was given to William A. Krivisky, the inventor of the argon-oxygen-decarburization process that has revolutionized stainless-steel making. The Linde Division of the Union Carbide Corporation and the Joslyn Stainless Steel Division of Joslyn Manufacturing and Supply Company both received Certificates of Merit for their roles in the development of the process.

The final medal was presented to Norris Fitz Dow, the inventor of extra-strong triaxial fabric, an innovation in fabric technology considered by some to be the first new concept in the field in 4000 years. Dow is chairman of N.F. Doweave Inc., in King-of-Prussia, Pennsylvania.

AAPM Coolidge Award to Edith Quimby

Edith Quimby, professor emeritus of radiology at Columbia University's College of Physicians and Surgeons, has received the William D. Coolidge Award given by the American Association of Physicists in Medicine.

The Award, presented in recognition of distinguished careers and significant contributions to medical physics, cites Quimby for her pioneering work in the fields of nuclear medicine, radiation therapy, diagnostic radiology and radia-

tion protection.

Her career spans 59 years of radiological physics, beginning with a BS in physics from Whitman College in Walla Walla, Washington followed by a master's from the University of California. She holds a doctorate from Rutgers University.

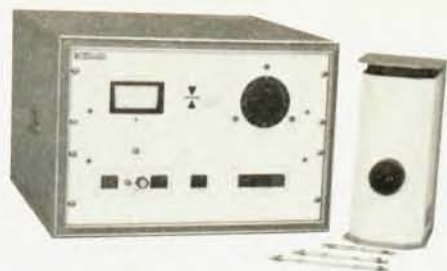
Quimby has been affiliated with the College of Physicians and Surgeon since 1943, and is recognized by the medical profession as one of the most experienced teachers of radiological physics. She has done extensive experimental work on the biological and clinical effect of radiation, recovery from radiation effects, time-dose

relationships and exposure dangers.

A founding member of the AAPM, Quimby is a former president of the American Radium Society and an emeritus member of the National Council on Radiation Protection and Measurements. She has received awards from the American Medical Association, the American Cancer Society, the Radiological Society of North America and the American College of Radiology.

Arie van Steenbergen, a member of the scientific staff of the Accelerator Division of

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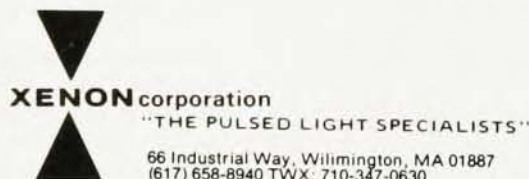
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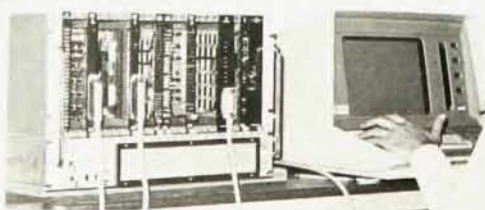
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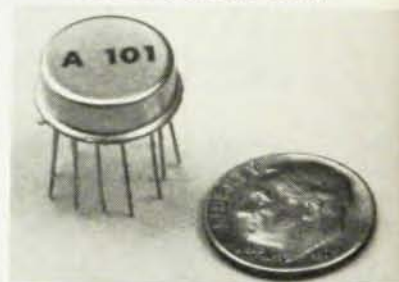


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we hear that

Brookhaven National Laboratory since 1957, was appointed head of the National Synchrotron Light Source Construction Project.

Maarten Schmidt, noted for his solution of the red-shifted quasar spectra anomaly, has been named to become the director of Hale Observatories following the retirement of H. W. Babcock in June, 1978. Schmidt has served as chairman of the department of physics, mathematics and astronomy at the California Institute of Technology since 1975.

Swarthmore College named **Neal B. Abraham**, formerly of Bryn Mawr College, and **Allan S. Blaier**, formerly of Princeton University, to the faculty of the department of physics.

Victor M. Blanco was named the interim director of Kitt Peak National Observatory in Tucson, Arizona. Blanco leaves the Cerro Tololo Inter-American Observatory in La Sereña, Chile, where he served as observatory director since 1967.

Bernard Miller, associate director of research at the Textile Research Institute, received the Harold DeWitt Smith Memorial Award given by the Committee on Textiles of the American Society for Testing and Materials. The award cites Miller's development of improved laboratory procedures and instrumentation.

Patricia C. Boeshaar and **Gregory Boeshaar**, both previously on the faculty of the University of Washington, were appointed to the department of physics at the University of Oregon, Eugene. **Davison E. Soper**, formerly of Princeton University, also joins the department.

obituaries

Francis Dart

Francis Dart, a true example of an internally motivated pioneer, died at age 62 on 21 June.

After receiving his PhD from Cornell University in 1947, Dart's first decade of professional life centered on research in solid-state physics and science teaching. In 1957 he traveled to Nepal as a member of the University of Oregon's International Cooperation program. After two years there his interests, commitment and perceptive talents were captured by the goal of attempting to understand non-Western views of nature and the utilization of this understanding to shape science teaching in countries with such cultural traditions. He was an able and

The Association of Universities for Research in Astronomy named **John M. Teem** its president. He formerly was the Sherman Fairchild Distinguished Scholar in Residence at the California Institute of Technology. AURA operates the Kitt Peak National Observatory, the Sacramento Peak Observatory and the Cerro Tololo Inter-American Observatory.

Rochus E. Vogt, professor of physics at the California Institute of Technology, was named chief scientist at the Caltech Jet Propulsion Laboratory. Vogt is currently the principal investigator for the cosmic-ray experiment on board the NASA-JPL Voyager 1 and 2 missions to Jupiter and Saturn.

Martin Weisskopf, researcher at the Columbia University Astrophysics Laboratory, has joined the research staff at the NASA George C. Marshall Space Flight Center.

The University of Colorado has established a lecture series funded through the George Gamow Memorial Endowment. The fund was bequeathed to the University by **Barbara Gamow**, the physicist's widow, who died in 1976. The lecture series may begin as early as this spring.

Robert V. Lorenze has joined the staff of the Materials Sciences Area at the Xerox Corporation's Electronic Materials Laboratory in Webster, New York. He comes from a position as senior scientist at Honeywell Corporation's Radiation Center in Lexington, Massachusetts.

Bruno J. Zwolinski, professor of physical chemistry and the director of the Thermodynamics Research Center at Texas A&M University, is joining the Department of Energy's Bartlesville Energy Research Center in Bartlesville, Okla.



DART



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