

peaks to unprecedented levels." Mourou is an electrical engineering professor and the director of the NSF Science and Technology Center for Ultrafast Optical Science at the University of Michigan.

AAPT Honors Taylor, Clark and Others at Winter Meeting

During its winter meeting in Orlando, Florida, the American Association of Physics Teachers recognized several individuals for their contributions to physics education and to the association.

The Oersted Medal, AAPT's highest honor, was presented to **Robert Beck Clark**, a professor of physics at Texas A&M University. Clark was



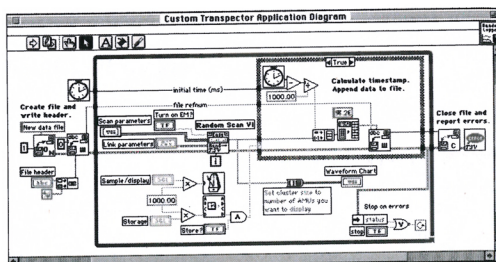
ROBERT BECK CLARK

cited for "his contributions to the improvement of physics teaching, as a college teacher and as an active participant in many programs aimed at physics teaching at all levels."

This year's Richtmyer Memorial Lecturer was **Joseph H. Taylor**, the McDonnell Distinguished University Professor of Physics at Princeton University. Taylor, who shared the 1993 Nobel Prize in Physics for the discovery in 1974 of the first binary pulsar, spoke about pulsars of this type and their use in the study of relativistic gravity.

AAPT also presented Distinguished Service Citations to four of its members: **Charles R. Lang**, a physics teacher at Omaha Westside High School, in Omaha, Nebraska; **Charles E. Robertson**, a senior lecturer in the physics department at

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the University of Washington; **James H. Stith**, a professor of physics at Ohio State University; and **Jack M. Wilson**, professor of physics and director of the Center for Innovation in Undergraduate Education at Rensselaer Polytechnic Institute.

85 Engineers Join the Ranks of NAE

The National Academy of Engineering announced in February the names of its 77 new members and 8 new foreign associates. The newly elected members include:

John C. Angus, professor in the departments of materials science and engineering and of chemical engineering at Case Western Reserve University, in Cleveland, Ohio

Arthur B. Baggeroer, the Ford Professor of Engineering at MIT

Federico Capasso, head of the quantum phenomena and device research department, AT&T Bell Labs, Murray Hill, New Jersey

E. Gail de Planque, commissioner of the US Nuclear Regulatory Commission, Washington, DC

Gene H. Haertling, the Bishop Distinguished Professor in Ceramic Engineering at Clemson University, South Carolina

Wesley L. Harris, associate administrator for aeronautics at the National Aeronautics and Space Administration, Washington, DC

Riki Kobayashi, the Louis Calder Professor of Chemical Engineering at Rice University in Houston, Texas

Robert G. Kouyoumjian, professor emeritus of electrical engineering at Ohio State University, Columbus

Ray B. Krone, professor emeritus of civil and environmental engineering at the University of California, Davis

John M. Rowell, executive vice president and chief technical officer at Conductus Inc, Sunnyvale, California

Carl H. Savit, retired senior vice president of Western Geophysical Co, Houston, Texas

Larry L. Smarr, director of the National Center for Supercomputing Applications at the University of Illinois, Urbana-Champaign

Vivian T. Stannett, professor emeritus of chemical engineering at North Carolina State University in Raleigh

Charles R. Steele, professor of applied mechanics, aeronautics and astronautics at Stanford University

Simon M. Sze, the NSC Professor of Engineering and director of the Institute of Electronics at the National

Chiao Tung University, in Hsinchu, Taiwan

Kathleen C. Taylor, head of the physical chemistry department at General Motors Corp in Warren, Michigan

Stephen Wei-Tun Tsai, research professor in the department of aeronautics and astronautics at Stanford

William H. Weinberg, professor of chemical engineering at the University of California, Santa Barbara.

Among the newly elected foreign associates are:

John E. Ffowcs Williams, professor of engineering at the University of Cambridge, England

Susumu Kato, vice chairman of the Japan-Indonesia Science and Technologies Forum in Tokyo

John R. Philip, fellow emeritus at the Centre for Environmental Mechanics of the Commonwealth Scientific and Industrial Research Organization in Canberra, Australia

David Tabor, professor emeritus of physics at the University of Cambridge, England

Kenneth Walters, professor of applied mathematics at the University College of Wales, United Kingdom.

IN BRIEF

Brookhaven National Laboratory has appointed **Thomas Kirk** as associate director for high-energy and nuclear physics. Kirk was most recently project manager and department head for the Solenoidal Detector Collaboration at the Superconducting Super Collider.

Steven Koonin, professor of theoretical physics at Caltech, has become

vice president and provost of that institution.

Federico Capasso, head of the department of quantum phenomena and device research at AT&T Bell Laboratories in Murray Hill, New Jersey, has received the 1994 Heinrich Welker Memorial Medal. He was cited for his pioneering contributions to quantum-effect III-V compound semiconductor devices. The award is bestowed by Siemens AG, headquartered in Munich, Germany.

The Third World Academy of Sciences, located in Trieste, Italy, announced in November the recipients of its 1993 prizes recognizing outstanding contributions by scientists in developing countries. The prize in physics went to **Girish S. Agarwal** of the school of physics at the University of Hyderabad, India, for "his predictions of fluctuation-induced as well as subharmonic resonances, and outstandingly incisive theoretical contributions to a wide variety of basic phenomena in quantum optics."

The Award in Magnetism given triennially by the Magnetism Commission of the International Union of Pure and Applied Physics has been presented to **Albert Fert**, of the Université Paris-Sud in Orsay, France, and to **Peter Grünberg**, of the Forschungszentrum Jülich, Germany. In the awards ceremony, held last August in Warsaw, Poland, the two were praised for "the pioneering nature of their work in the field of magnetic coupling and magnetoresistance in artificial magnetic multilayered structures."

OBITUARIES

Jerome Bert Wiesner

Jerome Bert Wiesner, who died on 22 October 1994, was an uncommon man, a man with a broad spectrum of interests and capabilities. In his life he occupied positions of high responsibility and endowed each with influence and significance that were the direct consequence of his intellectual power and daring. From weapons development to nuclear arms control, from enlarging the scope of MIT while its president to his steady and strong support of civil rights, Wiesner contributed mightily to important national and international issues with his characteristic pragmatic ingenuity

and inventiveness.

A strong advocate of nuclear arms control, Wiesner was one of the earliest participants in the Pugwash movement, through which he influenced the thinking of many US and foreign leaders. As a member of the National Academy of Science's committee on international security and arms control, he opened a productive dialogue with influential scientists in the Soviet Union aimed at reaching a common understanding of the dangers incubated by the futile, escalating arms race.

Wiesner's advocacy of sensible defense policy was lifelong. As a member and later chairman of the President's