

WE HEAR THAT

Dirac Medals Announced in Trieste

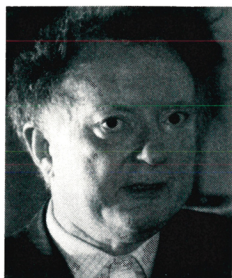
It is the tradition of the International Center for Theoretical Physics in Trieste, Italy, to announce the recipients of its Dirac Medals on the anniversary of the birth of P. A. M. Dirac. This August the prize committee announced that the 1996 medals would go to **Tullio Regge** of the Polytechnic of Turin, in Italy, and to **Martinus Veltman** of the University of Michigan.

The medal goes to Regge for "crucial contributions in theoretical and mathematical physics starting with his seminal investigation of the asymptotic behavior of potential scattering processes through the analytic continuation of the angular momentum to the complex plane." The citation mentions that, in strong interaction physics, "the so-called Regge trajectories have helped in the classification of particles and resonances by grouping together entities with different spin. The so-called Regge behavior was, and still is, an important ingredient in the construction of string theories." The citation also credits Regge with introducing "the first discretization of space-time with a simple Einstein dynamics (the so-called Regge calculus) and for its formulation of supergravity theories in the geometric language of differential forms."



MARTINUS VELTMAN

Veltman is being recognized for "his pioneering investigations on the renormalizability of gauge theories and consequently, his analysis of the sensitivity of radiative corrections to both the mass differences in fermion doublets and the Higgs particle mass. These calculations provided the basic prediction in the search for the top quark mass. Towards this goal, Veltman



TULLIO REGGE

was one of the first to use the computer in Feynman diagram calculations. His software package for manipulations of algebraic symbols has been a privileged tool for a full generation of physicists."

AAPM Bestows Honors at Meeting in Philadelphia

The American Association of Physicists in Medicine presented its awards for 1996 at the annual meeting, held in Philadelphia in July. Among the awards were two being presented for the first time, the Award for Achievement in Medical Physics and the John R. Cameron Young Investigators Award.

The William D. Coolidge Award, AAPM's highest honor, was given to **Leonard Stanton**, professor emeritus in the department of radiation oncology and nuclear medicine at Hahnemann University in Philadelphia. Stanton was recognized for his contributions to diagnostic radiology and mammography, including pioneering work in the development of methods for measuring mammography dose. He also was praised for his active participation in AAPM since joining as a charter member in 1958.

The Award for Achievement in Medical Physics was presented to **Arnold Feldman** of the Methodist Medical Center in Peoria, Illinois. This new award is given for outstanding achievement in medical physics practice, education or organizational affairs and professional activities.

The Farrington Daniels Award, given for the best paper on radiation dosimetry published in AAPM's *Medical Physics* during the previous year, went to **Weimin Chen** and **Ed Blazek** of Rush-Presbyterian St. Lukes Medical Center in Chicago, and **Ivan Rosenberg**, of the Royal Marsden NHS Trust in London, for their paper "The Relaxation of Supercoiled DNA Molecules as a Biophysical Dosimeter for Ionizing Radiations: A Feasibility Study."

The Sylvia Sorkin Greenfield Award was presented to **James Dobbins** of Duke University Medical Center, **David Ergun** of the Lunar Corp in Madison, Wisconsin, **Lois Rutz** and **Hartwig Blume** of Philips Medical Systems in Shelton, Connecticut, **Dean Hinshaw** of NASA's Goddard

Space Flight Center and **Dwayne Clark** of Jacksonville Naval Hospital in Jacksonville, Florida. They won the award, which recognizes the best overall paper published in *Medical Physics* during the previous year, for "DQE(f) of Four Generations of Computed Radiography Acquisition Devices."

Joerg Stein of the Memorial Sloan-Kettering Cancer Center in New York City received the John R. Cameron Young Investigators Award. The other Young Investigators Award winners were **L. Scott Johnson** of the University of Chicago, **Jeffrey Siewerdsen** of the University of Michigan and **Todd McNutt** of the University of Wisconsin—Madison.

Winter Will Receive Bingham Medal from Society of Rheology

The Society of Rheology's 1996 Bingham Medal will go to **H. Henning Winter**, who is being honored for his "outstanding contributions to experimental rheology and rheometry of gels and polymer melts." The medal will be presented to Winter at the society's annual meeting in Texas in February 1997.

According to the award citation, Winter and his research group characterized the rheology of polymers during gelation, an area that "until then had been viewed as not accessible to rheology in a quantitative way." The group's findings have led to the development of theories for the rheology of gels, as well as to the development of gels for commercial applications. SoR also recognizes Winter's contribution to the numerical modeling of polymer flows. Winter is a distinguished university professor of chemical engineering at the University of Massachusetts at Amherst.



H. HENNING WINTER

The 1996 *Journal of Rheology* Publication Award goes to **Liang B. Chen** of Helene Curtis, Inc., in Chicago, **Bruce J. Ackerson** of Oklahoma State University and **Charles F. Zukoski** of the University of Illinois, Ur-

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APS MARCH MEETING

The American Physical Society

17-21 March 1997
Kansas City, MO
Kansas City
Convention Center

FEATURING

Invited & Contributed symposia on:

- condensed matter
- biological physics
- polymers
- chemical physics
- materials science
- industrial & applied physics

TUTORIAL HIGHLIGHTS March 15 & 16

- Statistical Design & Analysis of Experiments
- Stochastic Resonance in Biology & Biomedicine
- Industrial and Applied Physics
- Conducting & Semiconducting Polymers
- GPS as a Research Tool
- Analog Signal Recovery

SCIENTIFIC TRADESHOW

Over 125 exhibitors offering the latest scientific text books, journals, and precision equipment.

ADDITIONAL INFORMATION

November APS Meeting News or visit the APS homepage URL: www.aps.org.

APS Meetings Dept.
One Physics Ellipse
College Park, MD 20740
(301) 209-3286
email: meetings@aps.org

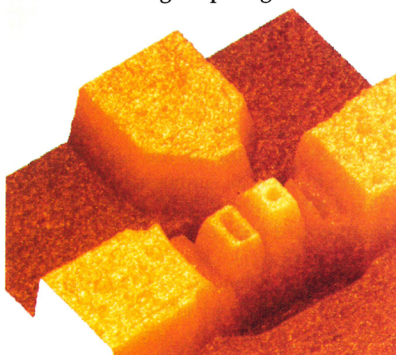


Photo courtesy of Institute for Semiconductor Physics, Germany

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bana-Champaign. They were cited for their paper "Rheological Consequences of Microstructural Transitions in Colloidal Crystals," published in the journal in 1994.

IN BRIEF

Fusion Power Associates honored six individuals at its annual meeting in May. FPA Leadership Awards went to **Mohamed Abdou**, a professor in the school of engineering and applied science of the University of California, Los Angeles, and to **Robert L. McCrory Jr.**, director of the laboratory of laser energetics of the University of Rochester in New York. **Joseph G. Gavin Jr.**, a retired chief executive officer of Grumman Corp, and **John H. Nuckolls**, associate director at

large at the Lawrence Livermore National Laboratory, each garnered a Distinguished Career Award. And FPA Engineering Awards were presented to **Gregory G. Denisov** of the laboratory of the Institute of Applied Physics in Nizni Novgorod, Russia, and to **Paul J. Gierszewski**, a senior project engineer at Ontario Hydro Technology in Toronto.

The National Science Board, the policy-making body of the National Science Foundation, has chosen **Philip Abelson** to receive its Vannevar Bush Award. The award nomination lauds Abelson's "exceptional versatility, both in science and in his contributions to society." Abelson, a former editor of *Science*, is a science advisor to the American Association for the Advancement of Science.

OBITUARIES

C. Luther Andrews

C. Luther Andrews, an emeritus professor of physics at the University at Albany, and best known for his research in microwave optics and for his distinguished contributions to physics education, died in Orono, Maine, on 20 January 1996.

Luther was born in Berkshire, New York, on 6 May 1908. Cornell University awarded him an AB in 1930 and a PhD in 1937. He began teaching at New York State College for Teachers in Albany in 1931. Luther served as chairman of the physics department from 1944 to 1969, overseeing the evolution of his institution from a teachers college to one of the four research university centers of the State University of New York. He was promoted to the rank of distinguished teaching professor in 1976.

His research in microwave optics was concentrated in measurements of near-field diffraction of electromagnetic waves by obstacles and apertures. He designed and built a number of microwave detectors used in practical applications, such as the determination of leakage from microwave ovens.

From 1943 to 1976 Luther spent one day each week as a consultant to the General Electric Research Laboratory in Schenectady, New York. He also wrote a book, *Optics of the Electromagnetic Spectrum* (Prentice-Hall, 1960), which was respected and widely used.

Luther brought his research into the classroom through the use of engaging demonstrations that caught the imagination of his audience. With these well-practiced demonstrations,



C. LUTHER ANDREWS

he drew two generations of undergraduate students into research and teaching. In 1977 he received the Robert Millikan Award for his contributions to teaching. Luther retired from Albany in 1977 and moved to Orono, Maine, to be with his family and there became active in the life of the physics department at the University of Maine.

Luther Andrews has been described by his daughter as a "physicist, teacher, scholar, but first and foremost, a gentleman." It is in this last sense that he will be most fondly remembered by those he encountered.

KEITH F. RATCLIFF
WALTER M. GIBSON
University at Albany
Albany, New York