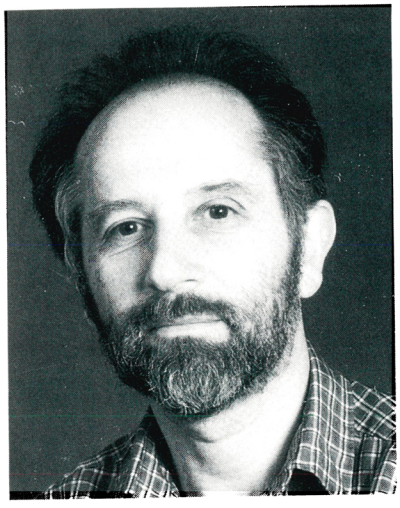
WE HEAR THAT

1995 Dirac Medal Goes to Berry

The International Centre for Theoretical Physics in Trieste, Italy, has awarded its 1995 Dirac Medal to **Michael Berry**, the Royal Society Research Professor at the University of Bristol, in England. Berry was cited for "his discovery of the non-integrable phase that arises in adiabatic processes in quantum theory." According to the announcement from the ICTP,



MICHAEL BERRY

evidence for this phase, now commonly called the Berry phase, came in 1986 from two experiments—one measuring the rotation of the polarization plane of a wave propagating in a twisted optical fiber and the other finding a frequency splitting in the nuclear-quadrupole resonance spectra of a slowly rotating nucleus.

AAPM Awards Presented in Boston

The American Association of Physicists in Medicine announced its 1995 award winners at its July meeting in Boston.

Robert Loevinger received AAPM's top honor, the William D. Coolidge Award. Loevinger retired in 1988 as leader of the dosimetry group at the National Institute of Standards and Technology, where he and his group "researched, developed, provided and safeguarded the basis for consistent clinical dosimetry . . . during an era of rapid change and expansion of radiation resources," the award citation stated. Loevinger was also praised for proposing and then helping to set up a "system of AAPM-accredited secondary calibration laboratories, directly traceable to [NIST]."

Joseph O. Deasy of the University of Louisville, in Kentucky, and **Christopher G. Soares** of NIST were presented with the Farrington Daniels Award for their paper "Extrapolation Chamber Measurements of $^{90}Sr + {}^{90}Y$ Beta-Particle Ophthalmic Applicator Dose Rates." This award is given for the best article on radiation dosimetry published in *Medical Physics* during the previous year.

The Sylvia Sorkin Greenfield Award, which is given for the best overall paper in *Medical Physics* during the previous year, went to **Philip Caligiuri, Maryellen L. Giger** and **Murray Favus** of the University of Chicago for their paper "Multifractal Radiographic Analysis of Osteoporosis."

The winners of this year's Young Investigator Awards from AAPM were also announced: **Eugene P. Lief** of Memorial Sloan-Kettering Cancer Center, **Paul Keall** of the Royal Adelaide Hospital and the University of Adelaide, and **Thomas R. Bortfeld** of DKFZ Heidelberg.

IN BRIEF

In September the National Academy of Engineering presented the Arthur M. Bueche Award to **Roland W. Schmitt** for "leadership in one of the world's most influential and diversified R&D organizations, for his success in forging links between the industrial and academic engineering communities and for his contributions to national science and technology policy." Schmitt, who was senior vice president for science and technology for General Electric and chair of the National Science Board, is president emeritus of Rensselaer Polytechnic Institute, in Troy, New York.

Jeremiah P. Ostriker has become provost of Princeton University. Ostriker is the Charles A. Young Professor of Astronomy and chair of the department of astrophysical sciences at Princeton.

The University of Minnesota has named **Anatoly Larkin** to an endowed chair. In September Larkin became the William I. and Bianca M. Fine Professor of Theoretical Physics in the university's Theoretical Physics Institute and in its school of physics and astronomy. Larkin had been at the Landau Institute of Theoretical Physics in Moscow since 1966, heading one of the institute's research divisions.

Friedwardt Winterberg has transferred from the Desert Research Institute, at the University of Nevada, Reno, to the university's department of physics.

Richard Siegel has been named Robert W. Hunt Professor and head of the materials science and engineering department at Rensselaer Polytechnic Institute, in Troy, New York. Siegel had been a research scientist at Argonne National Laboratory in Argonne, Illinois.

The Microscopy Society of America has honored **Joanna L. Batstone** with its 1995 Burton Award for her contributions to electron microscopy. Batstone is a research staff member at the IBM Thomas J. Watson Research Center in Yorktown Heights, New York.

The American Institute of Aeronautics and Astronautics has presented its 1995 Aerospace Power Systems Award to **Gary Bennett, Richard Hemler** and **James Lombardo**. The three were cited for "outstanding leadership of the Ulysses radioisotope thermoelectric generator program, which provided the most advanced, highest power space RTG design flown to date." Bennett retired last year from his post as manager of advanced space propulsion at the headquarters of the National Aeronautics and Space Administration in Washington, DC. Hemler is manager of space power systems at Lockheed–Martin Aerospace in King of Prussia, Pennsylvania. Lombardo retired in 1988 from his position as director of the office of special applications at the Department of Energy, in Germantown, Maryland.

Britain's Queen Elizabeth has approved the selection of **John C. Brown** as the new Astronomer Royal for Scotland, the tenth such appointment since 1834. Brown is chair of the astrophysics department at the University of Glasgow.

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