

WE HEAR THAT

SoR's Bingham Medal Goes to Russel

At the 71st annual meeting of the Society of Rheology, held in Madison, Wisconsin last month, the Bingham Medal was presented to **William B. Russel** for his contributions to rheology and colloid science.

According to the citation, "the hallmark of Professor William B. Russel's contributions to rheology is integration, and the integration has occurred along several axes"—identified as intellectual, collaborative, and fundamental/application. The citation also noted that "the unifying theme of this multidimensional integration is an understanding and control of macroscopic rheology."



RUSSEL

Russel was praised for his capacity to be a role model, his dedication and intellectual integrity, and his skill as both an experimentalist and theoretician.

Russel is the A. W. Marks '19 Professor at Princeton University, a joint appointment between the chemical engineering department and the Princeton Materials Institute.

The 1999 *Journal of Rheology* Publication Award was also presented at the October meeting. **Thomas C. B. McLeish** and **Ronald G. Larson** received it for their paper entitled "Molecular Constitutive Equations for a Class of Branched Polymers: The Pom-Pom Polymer." McLeish is a professor of polymer physics at the Interdisciplinary Research Center in Polymer Science and Technology at the University of Leeds (England). Larson is the G. G. Brown Professor of Chemical Engineering at the University of Michigan.

AAS Divisions Honor Eight Scientists

This year, four divisions of the American Astronomical Society have recognized the achievements of a total of eight individuals within the divisions' fields of expertise.

Jack Harvey, an astronomer at the National Solar Observatory, Kitt Peak, near Tucson, Arizona, was awarded the George Ellery Hale

Prize by the solar physics division. Harvey was cited for his "contributions to solar physics in the fields of instrumentation, helioseismology, and magnetic field research."

The Bruno Rossi Prize, given by the high energy astrophysics division, was shared by **Jean Swank** and **Hale Bradt** for their "key roles in the development of the Rossi X-Ray Timing Explorer (RXTE) spacecraft, and for the resulting important discoveries related to high time resolution observations of compact astrophysical objects." Swank is the project scientist for RXTE at the Laboratory for High Energy Astrophysics at NASA's Goddard Space Flight Center. Bradt is a professor of physics at MIT and the principal investigator for the RXTE All Sky Monitor.

The division on dynamical astronomy gave the Dirk Brouwer Award to **Vadim A. Antonov** of the Institute of Theoretical Astronomy in St. Petersburg, Russia. According to the award citation, Antonov was honored for, among other things, his "pioneering work on the stability of collisionless spherical systems and the thermodynamics appropriate to globular clusters which revealed the process commonly known as the gravothermal catastrophe."

The division for planetary sciences presented the following four awards in 1999:

▷ **Armand Delsemme** received the Gerard P. Kuiper Prize for his pioneering work in "several areas of planetary science, particularly cometary chemistry." Active in modeling the chemical make-up of cometary nuclei, Delsemme has conducted investigations that have included "a good deal of original thinking about the origins of the solar system and Earth's volatile inventory" the citation noted. Delsemme is a Distinguished University Professor of Astrophysics emeritus at the University of Toledo (Ohio).

▷ The Carl Sagan Medal, given for significant achievement by a division member in communicating planetary science to the public, was presented to **Clark Chapman**. An institute scientist in the space studies department at the Boulder, Colorado office of the Southwest Research Institute, Chapman was honored for being "outstanding in his devotion to, and widespread public involvement in, subjects concerning planetary exploration."

▷ **Wesley T. Huntress**, the director

of the Carnegie Institution's geophysical laboratory in Washington DC, received the Harold Masursky Meritorious Service Award for his role as "an effective advocate for planetary science." Huntress was the associate administrator for space science at NASA headquarters from 1993 to 1999, and the director of the Solar System Exploration Office for three years prior to that. The citation noted that, despite budgetary restrictions and a major reorganization at NASA, planetary science continued to flourish during his tenure, and that "it was largely through the diligence and hard work of Dr. Huntress that the Discovery program became its current success."

▷ The Harold C. Urey Prize went to **Douglas P. Hamilton**, an assistant professor in the astronomy department at the University of Maryland, College Park. Hamilton was cited for his "major contributions to our understanding of the dynamics of dust under many different conditions in the solar system." According to the award citation, he has also made "significant contributions in a wide range of areas, from solar system observations to celestial mechanics" in his relatively short career.

IN BRIEF

At a conference in May marking the 30th anniversary of the Centre Européen de Calcul Atomique et Moléculaire (CECAM), the first Berni J. Alder prize was presented to **Giovanni Ciccotti**, a professor of physics at the University of Rome I ("La Sapienza"). The prize citation praised his "pioneering contributions to molecular dynamics," including his development of new methods and his application of molecular dynamics to a broad range of physical, chemical, and biological problems.

The Joint Institute for Nuclear Research in Dubna, Russia, awarded the 1998 Frank Award last month to **John M. Carpenter** of Argonne National Laboratory and **Yuri Stavitsky** of the Institute for Nuclear Research in Troitsk, Russia, for their "prominent achievements in the creation of high flux pulsed neutron sources."

Larry McLerran, a physics professor at the University of Minnesota and a member of its Theoretical Physics Institute, became the head of