

Stix and Liepmann receive APS Division prizes

The American Physics Society will present its 1980 James Clerk Maxwell Prize in Plasma Physics and its 1980 Fluid Dynamics Prize at two division meetings to be held in November. Thomas H. Stix, assistant director of the Plasma Physics Laboratory and professor of astrophysical science at Princeton University, will receive the APS James Clerk Maxwell Prize "for his contributions to the theory of wave propagation in plasmas for his pioneering research on radio frequency plasma heating" (see this issue, page 55). The APS Fluid Dynamics Prize will be given to Hans Wolfgang Liepmann, Charles Lee Powell Professor of Fluid Mechanics and Thermodynamics and director of the Graduate Aeronautics Laboratories at Caltech, in honor of "his numerous contributions in fluid mechanics . . . [in] areas such as flow instability and turbulence, gas kinetics, viscous compress-

ible fluids, and liquid helium flows."

Stix earned his bachelor of science degree from Caltech in 1948 and his doctoral degree in physics from Princeton four years afterward. He joined the Plasma Physics Laboratory immediately following the completion of his doctoral work. Stix took a co-appointment as an astrophysics professor at Princeton in 1962. His research over the years has concerned controlled thermonuclear fusion, particularly waves and instabilities, and plasma heating and confinement.

The University of Zurich granted Liepmann a doctorate in physics in 1938. He spent a year as a fellow in physics at Zurich before traveling in 1939 to Caltech where he has remained since his arrival. Liepmann's research interests have included laminar instability, transition and turbulence, shock-wave boundary layer interaction, transonic flow, aerodynamic noise

and the fluid dynamics of helium II.

The Maxwell Prize ceremony will occur at an awards banquet held during the 10-14 November meeting of the APS Division of Plasma Physics in San Diego, California. The prize recognizes "outstanding contributions to the advancement and diffusion of knowledge of properties of highly ionized gases of natural and laboratory origin." The prize, which consists of \$4000 and a certificate, is sponsored by the Maxwell Laboratories, Inc. of San Diego, California.

A banquet at the Ithaca, New York meeting of the APS Division of Fluid Dynamics on 24-26 November will be the occasion for the presentation of the Fluid Dynamics Prize. The \$3000 award and certificate of merit which accompany the prize honor "outstanding achievement in fluid dynamics research." The award is supported by the Office of Naval Research.

Thomas Miner wins AAPT Millikan Award

Thomas D. Miner, associate editor of *The Physics Teacher*, is the recipient of the 1980 Robert A. Millikan Award of the American Association of Physics Teachers. He was honored "for his long and devoted efforts at physics teaching and at the betterment of physics teaching" at a ceremony held at the June AAPT meeting in Troy, New York. At that ceremony Miner presented the Millikan Memorial Lecture, "Prides and Prejudices of a Physics Teacher." The award, which includes a medal, \$300 and a citation, is supported by an annual gift from Prentice-Hall, Inc.

Miner earned a bachelor's degree at Middlebury College in 1932 and an master's degree at Cornell University the following year. In 1934 he began teaching physics at Garden City High School, Garden City, New York. Miner remained there until 1966 when he became a faculty member of the Belfer Graduate School of Science at Yeshiva University. By 1972 Miner



MINER

had resigned his assistant professorship of physics education at Yeshiva University to join the staff of *The Physics Teacher*.

German Physical Society honors Funke and Faissner

The German Physical Society recently announced the winners of two awards: The Walter Schottky Prize and the Max Born Medal and Prize.

Klaus Funke of the Technical University of Hannover was honored with the Schottky Prize "for his highly successful experimental and theoretical investigations of the atomic mechanisms underlying charge transport in fast-ion conductors." The high mobility of charge in fast-ion conductors makes these substances applicable to long-lived, miniaturized batteries such as those used in pacemakers and satellites.

The Born Medal Prize, and which is jointly administered by the German Physical Society and the Institute of Physics (United Kingdom), was awarded the Helmut Faissner, professor and director of the Experimental Physics Institute, Rhenish-Westfalian Technical High School, Aachen. Faissner received the prize for providing "the first experimental verification of neu-