

ton used to probe the electronic structure of semiconductors (see **PHYSICS TODAY**, February, page 46). More recently Auston has been working on a different means of transforming optical pulses into electronic signals, namely, photoconducting antennas.

Auston received both his BASc (1962) and his MASc (1963) from the University of Toronto, and got his PhD (1969) in electrical engineering from the University of California at Berkeley. After graduate school, he joined the technical staff at AT&T Bell Laboratories, where he eventually became head of the high-speed materials and phenomena research department. Since 1987 Auston has been a professor of electrical engineering and of applied physics at Columbia.

IN BRIEF

Jack Crow, a condensed matter experimenter, has left his professorship at Temple University in Philadelphia to become a professor of physics and director of the Center for Materials Research and Technology at Florida State University in Tallahassee.

OBITUARIES

Stephen B. Fels

Stephen B. Fels, a senior research physicist at the National Oceanic and Atmospheric Administration's Geophysical Fluid Dynamics Laboratory, died on 22 October 1989 after a courageous struggle against cancer. As one of the world's pioneers in the mathematical modeling of atmospheric radiative-transfer processes, Fels had contributed to more accurate weather forecasting and better modeling of the impact of the greenhouse gases on Earth's climate. His published papers span particle physics, geophysics, planetary atmospheres, atmospheric dynamics and radiative transfer.

Fels completed both undergraduate and graduate work at Harvard University, earning his PhD in physics in 1967. After spending four years doing high-energy theory at the University of California, Los Angeles, Fels received a fellowship to switch to atmospheric physics. In 1971 he split his time between the department of geophysical sciences of the University of Chicago and the National Center for Atmospheric Research in Boulder, Colorado. In 1972, he became a visiting scientist in Princeton University's Geophysical Fluid Dynamics Program (now called the Program in

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