

Dalgarno wins Davisson-Germer Prize

Alexander Dalgarno, professor of astronomy at Harvard University, is the 1980 recipient of the American Physical Society's Davisson-Germer Prize. The \$2500 prize will be presented at a ceremonial session during the April APS meeting to be held in Washington, D.C. Dalgarno will be honored "for his extensive contributions to the theory of atomic collisions and radiative transitions and to the analysis of the effects of atomic and molecular processes in planetary atmospheres, interstellar space, and laboratory plasmas."

Dalgarno was educated at University College London, where he took BSc (1947) and PhD (1951) degrees. From 1951 to 1967 he served as professor of mathematics in Queen's University, Belfast. Dalgarno then came to Harvard to take joint appointments in the astronomy department and at the Smithsonian Astrophysical Observatory. In 1977 he won the Smithsonian Institution's Hodgkins Medal.

The Davisson-Germer Prize was established in 1965 to recognize and encourage outstanding work in atomic or surface physics. The 1981 prize will be



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awarded for important contributions to surface physics. Bell Telephone Laboratories provides the financial support for the prize.

AAS honors three astronomers

The American Astronomical Society has selected three astronomers to receive Society awards in 1980. The Henry Norris Russell Lectureship, the most prestigious of the Society's honors, will go to Jeremiah Ostriker of Princeton University. The 1980 Helen B. Warner Prize will be awarded to Paul C. Joss of MIT and this year's Newton Lacy Pierce Prize will be given to Jack Baldwin of the Cerro-Tololo Inter-American Observatory in La Serena, Chile. The presentation ceremonies will take place at the June meeting of the AAS in College Park, Maryland.

Ostriker, professor of astrophysics at Princeton, will be the 33rd Russell Lecturer since the lectureship's establishment in 1946. The citation prepared by the award committee notes his many contributions to a wide variety of astrophysical subjects. In particular, it mentions Ostriker's work on "compact objects, the theory of the interstellar medium and

the structure and evolution of galaxies." A former winner of the AAS Warner Prize, Ostriker has been connected with Princeton since 1964, the year he received his doctorate from the University of Chicago. He took an AB from Harvard University in 1959.

Joss, associate professor of physics at MIT, has won the Warner Prize for "his distinguished contribution to theoretical astrophysics, particularly for his work on the theory of X-ray stars." Joss was educated at Cornell University, earning a BA in 1966 and a PhD in astronomy and space science in 1971. He was a member of the Institute for Advanced Study during the two years following his doctoral studies. In 1973, Joss joined the MIT faculty.

The Pierce Prize winner, Baldwin, is an assistant astronomer at the Cerro-Tololo Inter-American Observatory. Baldwin's citation praises his research on the continuum and line emission of quasi-stellar

objects, and states that some of his results "have achieved the status of a classical investigation." He was granted a BA from the University of California, Los Angeles in 1967 and a PhD from the University of California, Santa Barbara in 1974. Soon after completing his doctoral work Baldwin took a position as an assistant research astronomer at Lick Observatory. In 1976 he became a Science Research Council (UK) research assistant at the Institute of Astronomy, Cambridge University. Two years later Baldwin joined the Cerro-Tololo Observatory.

Engineering Academy elects new members

The National Academy of Engineering has elected 82 engineers and scientists to membership in the Academy and eight to foreign associateships. Election to the Academy honors those who have made significant contributions to engineering and technological theory or practice.

Physicists and those working in physics-related fields include: H. Raymond Brannon, Jr., research scientist at Exxon Production Research Co, Houston, Texas; Howard Brenner, professor of chemical engineering at the University of Rochester; Esther Marly Conwell, principal scientist at the Xerox Webster Research Center, Webster, N.Y.; Stanley Corrsin, professor of fluid mechanics at Johns Hopkins University; John K. Hulm, manager of the chemical sciences division of Westinghouse Electric Corp, Pittsburgh, Pa.; Karl Uno Ingard, professor of physics at MIT; Robert A. Laudise, director of the physical and inorganic chemistry research laboratory, Bell Telephone Laboratories, Murray Hill, N.J.; Tingye Li, head of the transmission and circuit research department of Bell Telephone Laboratories, Holmdel, N.J.; Carl L. Monismith, professor of civil engineering at the University of California, Berkeley, Cal.; Galen B. Schubauer of Washington, D.C.; Thomas A. Vander-slice, president of General Telephone and Electronics Corp, Stamford, Conn.; Major General Jasper A. Welch, USAF, defense coordinator for the National Security Council, Washington, D.C.; Bertram