

atmosphere and led in the discovery of the radiation belts that bear his name. His current interests include the continued investigation of the radiation belts as well as satellite studies of aurora, cosmic rays, and interplanetary fields. An associate editor of the *Journal of Geophysical Research* and the *Physics of Fluids*, Dr. Van Allen is a fellow of the AGU and the American Physical Society.

The John Adam Fleming Award is given primarily for original research illuminating fundamental aspects of geomagnetism, atmospheric electricity, aeronomy, and other closely related branches of science. Last year's recipient of the honor was Lloyd V. Berkner.

The AGU also presented its second James B. Macelwane Award to Alexander J. Dessler, head of the Space Sciences Department at Rice University. Awarded his PhD in 1956 from Duke University, Dr. Dessler worked at Lockheed Aircraft Corporation and the Southwest Center for Advanced Studies before joining Rice in the spring of this year. His particular areas of interest include geomagnetic variations and particle radiations in space. The Award is given in recognition of outstanding contributions to the geophysical sciences by a young scientist.

The Elda Anderson Award

The Health Physics Society has presented its Elda E. Anderson Award to J. A. Auxier of the Oak Ridge National Laboratory for his outstanding research in radiation dosimetry. The award was made during the Society's annual meeting in New York City in June. A past president of the East Tennessee Chapter of the Health Physics Society, he is an editor of *Health Physics*, the Society's journal, and is currently in charge of experiments at ORNL's recently installed health physics research reactor.

The Elda E. Anderson Award is named for a former president of the Society and one of the pioneers in the field of health physics. For many years, Dr. Anderson was in charge of the Education and Training Section of ORNL's Health Physics Division. At the time of her death in April of 1961, she was chairman of the American Board of Health Physics, which was formed by the Health Physics Society to determine professional standards and to certify the professional competence of persons meeting those standards. She also served as secretary-treasurer of the Society from the time it was founded in 1956 until 1959 when she was elected as its president.

Godlove Award

David L. MacAdam, head of the image structure department in the physics division at Kodak Research Laboratories, received the Inter-Society Color Council's fourth Godlove Award for outstanding contributions to the knowledge of color in science, art, and industry. The award, a gold diffraction grating embedded in a plastic prism, was given to Dr. MacAdam at a banquet

held March 12, during the 32nd annual meeting of the Council in New York. Dr. MacAdam has been active in color-photography research for over a quarter of a century, and he has published more than 50 papers, most of which have appeared in the *Journal of the Optical Society of America*. He is also the coauthor of *Hand-book of Colorimetry* and contributed to *The Science of Color*.

Dr. MacAdam has served as a trustee of the Munsell Color Foundation, as a member of the US Technical Committee on Color Measurements of the International Commission on Illumination, and as chairman of the Subcommittee on Color Measurements of the American Standards Association. A past president of the Optical Society of America, he was the first recipient of the Society's Adolph Lomb Medal.

Lawrence Memorial Award

Nominations of candidates for the 1964 Ernest Orlando Lawrence Memorial Award are being sought by the US Atomic Energy Commission. The Award recognizes especially meritorious contributions to the development, use, or control of atomic energy in areas of all the sciences related to atomic energy, including medicine and engineering. Candidates must be US citizens who have not reached their 46th birthday by July 1, 1964. Nominations should be received by the Chairman, General Advisory Committee, US AEC, PO Box 3528, Washington 7, D.C. not later than November 1, 1963.

Industrial Research Medal

James B. Fisk, president of Bell Telephone Laboratories, was awarded the Industrial Research Institute Medal during the organization's 25th anniversary dinner in May. The citation to Dr. Fisk honored his "eminence in the inspiration and conduct of research in industry, and vision which has advanced the science and use of the nucleus and of the crystal". Awarded annually since 1945, the Medal is given for "outstanding accomplishment in or management of industrial research which contributes broadly to the development of industry or the public welfare".

Daniel and Florence Guggenheim Award

The International Academy of Astronautics has named Marcel Nicolet, director of the Belgian National Center for Space Research, to receive its 1963 Daniel and Florence Guggenheim International Astronautics Award. Dr. Nicolet was honored for his achievements in aeronomy and planetary atmospheres and particularly for his prediction, which was subsequently confirmed, that a layer of helium is present in the upper atmosphere. He is former secretary general of the International Geophysical Year Special Committee and a member of the directorate of the Committee on Space Research.