

mental physics, was awarded to Andrew R. Lang of Bristol University for his development of the technique of x-ray topography. Dr. Lang was educated at the University College of the South-West, the University of London, and at Cambridge, receiving his PhD from the last-named institution in 1953. During the period 1954-59, he served as an assistant professor of physical metallurgy at Harvard University, and since 1960 has been lecturer in physics at Bristol. A member of the American Crystallographic Association, Dr. Lang is a former chairman of the ACA Apparatus and Standards Sub-Committee.

The Maxwell Medal and Prize, awarded for work in theoretical physics, was given to Walter C. Marshall of Harwell, for his contributions to the theory of magnetism. A former postdoctoral fellow at the University of California under Charles Kittel, and at Harvard University under J. H. Van Vleck, Dr. Marshall has headed the Theoretical Physics Group Division at Harwell since 1960. He is a fellow of the American Physical Society.

Martin Ryle, professor of radio astronomy at Cambridge University, has been named as the Guthrie Lecturer for 1964. Dr. Ryle is known for his many contributions in the field of radio astronomy, including his early determinations of the positions of some of the radio stars which led to their identification with optically observable objects, and his measurements that demonstrated the existence of a radio halo surrounding our galaxy. In other work, he has determined the statistical distribution of the strengths of a great number of radio stars, and from these results has made important suggestions about cosmological theory. Dr. Ryle was the first recipient of the Van der Pol Gold Medal of the International Scientific Radio Union in 1963 and this year he was also awarded the Gold Medal of the Royal Astronomical Society.

Eddington Medal

The Royal Astronomical Society has awarded its 1964 Eddington Medal to Herbert Friedman and Richard Tousey of the US Naval Research

Laboratory for their work in ultraviolet astronomy.

The two scientists have been leaders in rocket astronomy since the end of World War II, when they first investigated the broad range of solar ultraviolet and x-ray wavelengths, observable only from above the absorbing atmosphere, with captured German V-2 rockets.

Dr. Tousey and his colleagues provided the first detailed record of the sun's radiation in the ultraviolet region. Under his direction, this work has steadily advanced so that a solar spectrum throughout the ultraviolet is now almost complete. Dr. Friedman and his co-workers are credited with the first x-ray photograph of the sun, the measurement of the ultraviolet brightness of the hottest stars, and most recently, the discovery of x-ray emitting sources which are thought to be neutron stars.

Dr. Friedman is currently head of NRL's Atmosphere and Astrophysics Division and chief scientist of the Hulburt Center for Space Research at NRL. Dr. Tousey is head of the Division's Rocket Spectroscopy Branch.

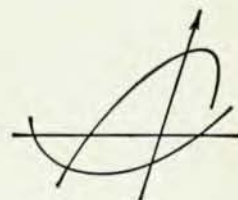
High-Polymer Physics Prize

Suggestions for names of candidates are currently being solicited for the 1965 American Physical Society High-Polymer Physics Prize, sponsored by the Ford Motor Co.

The prize, amounting to \$1000, is awarded "for outstanding accomplishment and excellence of contributions in high-polymer physics". It is not necessary that the recipient of the prize be a member of the American Physical Society, and there are no restrictions with regard to the place where his work was carried out, or his nationality. The Executive Committee of the APS Division of High-Polymer Physics is responsible for the nominations, and the Council of the American Physical Society makes the final decision.

Suggestions, together with supporting material, must be sent before October 10, 1964, to Prof. Richard S. Stein, Polymer Research Institute, University of Massachusetts, Amherst, Mass. 01003.

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