

Packard and Ryle to receive IEEE Field Awards

Martin E. Packard and Sir Martin Ryle will receive two of the 1971 Institute of Electrical and Electronics Engineers Field Awards presented for "significant attainments in technical areas of high interest."

Packard will be awarded the Morris E. Leeds Award for his outstanding contribution to electrical measurements, notably the application of nuclear magnetic resonance to magnetic-field measurements. He is a corporate vice-president of Varian Associates where he has worked since 1951.

The Morris N. Liebmann Memorial Prize Award (for "radio and allied arts") will be presented to Ryle for his contributions to radio astronomy. He is professor of radio astronomy at the University of Cambridge, where he built a series of large radio telescopes including the one-mile interferometer. He is presently constructing a 5-km telescope.

Philip J. Bray receives George W. Morey award

The glass division of the American Ceramic Society has awarded the George W. Morey Award for outstanding contributions to glass research and technology to Philip J. Bray.

Bray is a professor of physics at Brown University and was chairman of the department during 1963-68. He has done research in nuclear magnetic resonance spectroscopy in the study of structure and atomic bombardment of solids. Recently he has been studying the physical structure of glass.

Keeny wins Rockefeller Public Service Award

Spurgeon M. Keeny, assistant director for science and technology in the US Arms Control and Disarmament Agency, was named one of the five winners of the 1970 Rockefeller Public Service Awards. The award, which consists of \$10 000, is given annually in recognition of "distinguished service to the Government of the US and the American People."

In his position as head of the Bureau of Science and Technology, Keeny par-

ticipates in the development of the US policy for the Strategic Arms Limitations Talks. Previously he has worked as a technical assistant to five presidential science advisers, as senior staff member of the National Security Council and as a member of the Gaither Security Resources Panel. He has also represented the US as the executive officer at the 1958 Geneva Conference of Experts on the Discontinuance of Nuclear Weapons Tests.

W. H. Jordan and R. L. Doan appointed to AEC panel

Walter H. Jordan and Richard L. Doan were among the four new appointees to the panel from which the Atomic Energy Commission selects Atomic Safety and Licensing Boards. The principal function of the boards is to conduct public hearings and to make initial decisions on applications to construct nuclear power plants. Doan was a scientist and administrator for the Phillips Petroleum Co. Jordan is senior research adviser at the Oak Ridge National Laboratory and also holds a part-time position as professor of nuclear engineering at the University of Tennessee.

Coltman and Giacconi honored by Röntgen Awards

Two physicists were honored for their contribution to the field of x rays on the 75th anniversary of Wilhelm Röntgen's discovery of x rays. John W. Coltman, a research director at the Westinghouse Research Laboratories, was awarded the Röntgen Medal given by the town of Remscheid, Germany, birthplace of Röntgen. The other Röntgen award went to Riccardo Giacconi, executive vice-president of American Science and Engineering, Inc.

Coltman is being honored for his development 22 years ago of the Fluorex image amplifier, a device that electronically brightens a fluoroscopic x-ray image several thousand times. The device also decreases the exposure of a patient to radiation and reduces by even greater amounts the x-ray scatter dose to the radiologist.

Having received his PhD degree from the University of Illinois in 1941, Colt-

man came to the Westinghouse Research Laboratories that year as a Westinghouse Fellowship award winner. He has since become responsible for the departments of mathematics, computer sciences, quantum electronics, applied physics and undersea technology at Westinghouse.

Giacconi received his award from the Physikalisch Medizinische Gesellschaft in Würzburg, Germany for his contributions to x-ray astronomy, including the discovery of x-ray stars and the development of instrumentation and spacecraft systems required to carry out an observational program.

Giacconi has served on several advisory groups for the National Academy of Sciences and the National Aeronautics and Space Administration. He holds the Helen B. Warner prize from the American Astronomical Society and the Como Prize of the Italian Physical Society for the discovery of new stellar objects.

The California Institute of Technology has named **William A. Fowler** to the



FOWLER

first Institute Professorship. The position was established to recognize outstanding members of the faculty. In pioneering work on the nature of nuclear forces in the light chemical elements, Fowler advanced the understanding of nuclear processes in the stars and of the evolution of chemical elements in stars. He has also contributed to the current knowledge of nuclear forces and reaction rates, nuclear spectroscopy and the structure of light nuclei. He is currently studying the general relativistic effects in quasar and pulsar models.

New York University has appointed **R. W. Richardson** as associate head of the physics department with main responsibility for undergraduate physics. Other new appointments include **Richard Brandt**, from the University of Maryland as associate professor, **Julius Ranninger**, from the Atomic Energy