

Three research teams receive Rumford Award

The American Academy of Arts and Sciences has awarded the Rumford Premium to three teams of scientists for their "pioneering work in long-baseline interferometry, a new technique that enables astronomers to determine the structure of quasars and other radio sources in outer space." The award, the oldest scientific prize in America, was established by Count Rumford in 1796 to encourage research in heat and light. The award for 1971 was presented to scientists from the Massachusetts Institute of Technology, from Cornell University and the National Radio Astronomy Observatory and from several Canadian institutions.

Members of the MIT group are: John A. Ball, Alan H. Barrett, Bernard F. Burke, Joseph C. Carter, Patricia P. Crowther, James M. Moran, Jr and Alan E. E. Rogers. The NRA-Cornell team is: Claude C. Bare (deceased), Barry G. Clark, Marshall H. Cohen, David L. Jauncey and Kenneth I. Kellermann. Members of the Canadian group are: Norman W. Broten, R. M. Chisholm (deceased), John A. Galt, Herbert P. Gush, Thomas H. Legg, Jack L. Locke, Charles W. McLeish, Roger S. Richards and Jui Lin Yen.

The Academy's presentation of the award to teams rather than individuals was made in an effort to reflect the way in which much scientific research is conducted today and to emphasize the cooperative, rather than the competitive, aspect of science. The Academy was established during the American Revolution by intellectual leaders as an honorary society whose members represent all areas of learning and science.

Distinguished Scientist Award to Benedict Cassen

Benedict Cassen, professor of biophysics at the University of California at Los Angeles, has received the Distinguished Scientist Award from the Society of Nuclear Medicine. He was honored for contributions to the field of nuclear medicine including his development of the first radioisotope scanner for imaging internal organs of living animals or human beings by means of "nondestructive"

diagnostic test procedures. Cassen will receive an honorarium of \$5000.

Cassen, who received both his MS and PhD degrees from the California Institute of Technology, has been a



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professor of biophysics at UCLA since 1949. In 1969 he also became a professor of nuclear medicine and radiation biology. During this time he has attempted to bridge the gap between physics and the biological and medical sciences by studying medical physics, radioactive-isotope scanning, biophysical instrumentation and methodology and biophysical cytology.

Five physicists receive Lawrence Memorial Award

The US Atomic Energy Commission has presented the Ernest Orlando Lawrence Memorial Award for 1971 to five nuclear physicists. The five scientists, including for the first time a three-man team, were honored for recent contributions to the field of atomic energy. The three-man team is: Robert L. Fleischer (General Electric Research Laboratory), P. Buford Price (University of California at Berkeley) and Robert M. Walker (Washington University). The other two recipients are Thomas B. Cook (Sandia Laboratories) and Robert L. Hellens (Combustion Engineering Inc.). Each recipient received a gold medal, a citation and \$5000.

Fleischer, Price and Walker were primarily rewarded for their contributions to the discovery and understanding of the phenomena of etching charged particle tracks in solids and for the detection and study of latent tracks registered in solids.

Cook was cited for his "significant contributions to the study of nuclear weapons effects, for his original work in the translation of this knowledge into advanced technology for peaceful and military uses of atomic energy and for his outstanding contributions to the nation through his service as an adviser to the AEC and the Department of Defense on the effects of nuclear detonations."

Hellens was honored primarily for his pioneering contributions to light-water reactor physics, for work in reactor physics, for work in reactor statics and the Fourier transform approach to the solution of the Boltzmann transport equation.

Paul H. Lindenmeyer, of Boeing Scientific Research Laboratory, has been elected chairman of the division of high-polymer physics of the American Physical Society.

Raytheon Company has named **Stanley L. Ehrlich** consulting engineer, the highest professional engineering level attainable at Raytheon.

J. Reginald Richardson has become director of TRIUMF, a joint research venture of the University of Alberta, Simon Fraser University, the University of Victoria and the University of British Columbia. He was formerly professor of physics at the University of California at Los Angeles. The TRIUMF cyclotron is scheduled to be finished in 1973.

The new manager of RCA's microwave solid-state devices division is **Bertrand E. Berson**.

Allen K. Garrison has been promoted to professor at Emory University.

Donald C. Schmalberger has been named the new chairman of the department of astronomy and space science at the State University of New York at