

formerly at Indiana University, has been appointed associate professor. **John Dobbs**, from the University of Pennsylvania, and **Joseph Hafele**, from the Los Alamos Scientific Laboratory, have been appointed assistant professors.

The Naval Research Laboratory has named **John McElhinney** superintendent of the nuclear physics division. He will administer a broad program of basic and applied research in nuclear physics and related areas. McElhinney has been at NRL since 1955 when he came there from the National Bureau of Standards.

Joseph R. Feldmeier has been elected vice president of The Franklin Institute Research Laboratories. He has been active in nuclear and low temperature physics and holds a PhD from the University of Notre Dame.

Charles Feldman, formerly manager of the physical electronics laboratory at Melpar, Inc., has joined the Applied Physics Laboratory of The Johns Hopkins University. Feldman obtained his PhD from the University of Paris in 1952; he has done research on thin films and transparent luminescent screens.

Bergen R. Suydam, theoretical physicist at Los Alamos Scientific Laboratory, is at Culham Laboratory, England, working in plasma-physics research.

The department of physics of the Naval Postgraduate School promoted **Otto Heinz** to the rank of professor and **Gordon E. Schacher** to associate professor.

Russell A. Shaffer was promoted from assistant professor to associate professor of physics at Lehigh University.

Astronautics Award to Jacques-Emile Blamont

In recognition of his outstanding contribution to the progress of astronautics through work done during the last five years, the 1967 Daniel and Florence Guggenheim International Astronautics Award has been given to Jacques-Emile Blamont of the University of Paris. Blamont, who is scientific and

technical director of the French National Space Science Center, and director of the aeronomy laboratory of the National Science Research Center, began research in atomic physics and later became interested in the atmosphere, ionosphere and solar physics. Aside from theoretical work that concerned interaction of light with matter, he has conceived new methods for observing and measuring light emissions from the sky and sun, leading to discovery of the dayglow and turbo-pause and the first observations of the Einstein red shift on the sun. He designed the first French experiment to be placed in orbit, and several experiments that he initiated have been included in the French and European space programs. Research that he carried out on the optical resonance of hydrogen and helium has led to proposals for new space experiments now in preparation.

Bingham Medal Given To Hershel Markovitz

The Society of Rheology has awarded the Bingham Medal for 1967 to Hershel Markovitz of the Carnegie-Mellon Institute. The award was in recognition of his many varied contributions to the science of rheology, especially



MARKOVITZ

in the measurement and theoretical treatment of nonlinear viscoelastic properties. Having been associated with the Mellon Institute for 18 years, Markovitz has been the individual most responsible for making it a leading center of rheological research.

His work has been characterized by extensive theoretical and experimental activity. He was among the first to use recent theories of nonlinear con-

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