

Kodak, treasurer and **Thomas P. Turnbull**, membership secretary.

McElroy Receives Award For Geophysical Discoveries

The Seventh James B. Macelwane Award was presented to Michael B. McElroy of Kitt Peak National Observatory near Tucson, Arizona, at the annual meeting of the American Geophysical Union. This award is given each year to a young scientist who gives outstanding promise with regard to geophysical research.

McElroy's studies have involved the physics of the atmospheres of four of the planets of the solar system. From his general theory of planetary atmospheres that successfully describes features of the upper atmosphere of the earth, Venus, Mars and Mercury, he discovered a new ionization process utilizing a metastable state of oxygen. He predicted the presence of unstable CO_2 molecules in the atmosphere of Venus that would prevent the buildup of free oxygen; initial results of the Mariner V flyby confirm this prediction.

James B. Macelwane was president of the American Geophysical Union at the time of his death in 1956, as well as dean of the Institute of Technology at St. Louis University.

R. Norman Jones Honored with Spectroscopy Society Award

R. Norman Jones of the National Research Council, Ottawa, Canada, has won the 1968 Spectroscopy Society of Pittsburgh Award. Jones received this award for his outstanding research in ultraviolet and infrared absorption

spectroscopy and its use in the elucidation of the molecular structure of organic materials. He has introduced computer techniques for the recording and interpretation of spectra.

Astronomical Society Prize Presented to Frank J. Low

The council of the American Astronomical Society has awarded the 1968 Helen B. Warner Prize for Astronomy to Frank J. Low. Awarded annually for a significant contribution to astronomy during the previous five years, the



LOW

prize honors Low for developing and putting into operation new and improved detection devices. It also recognizes his fundamental observations in the radiometry and spectroscopy of planets from 4 to 20 microns, of subluminescent star-like objects and of quasistellar objects in the infrared, and the extension of stellar photometry to 20 microns. Low is part-time research professor at the Lunar and Planetary Laboratory of the University of Arizona and part-time professor of space science at Rice University. He will present a paper on the subject for which the prize was granted at a meeting designated by the council.

Ohio State Spectroscopist Robert V. Zumstein Dies

Robert V. Zumstein, emeritus associate professor at Ohio State University, died of a heart attack on 28 Dec. at the age of 72. After receiving his PhD from the State University of Iowa in 1924, he was a National Research Council fellow at the University of Michigan until 1926. Zumstein, who was active in atomic, molecular and x-ray spectroscopy, joined Ohio State as an instructor in 1927. He was promoted to assistant professor in 1932

and was associate professor from 1942 until his retirement last June.

Nicholas Mostovych Worked With Thin Metallic Films

Nicholas Mostovych of the University of Louisville physics department was killed in an automobile accident 19 Jan. near Shelbyville, Kentucky. He was returning from Paris, where on sabbatical he had been doing research in high-pressure solid-state physics at the Sorbonne.

Mostovych was a native of the

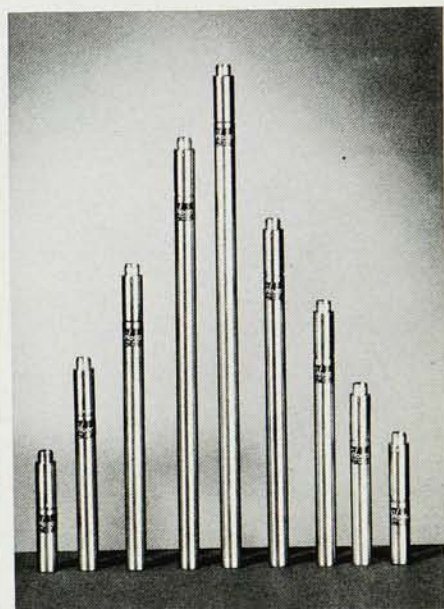
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