

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  $\text{CO}_2$  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

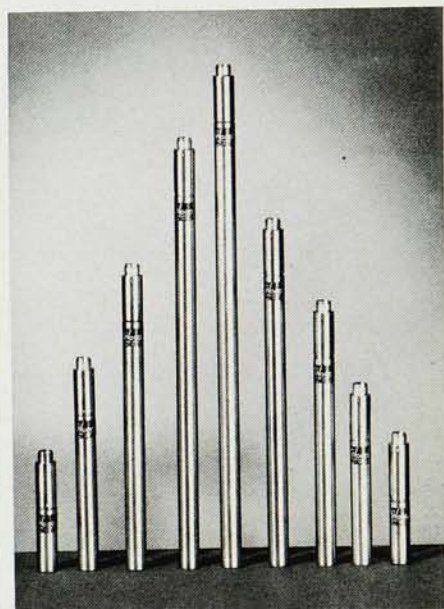
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Ukraine, USSR. Before World War II he was a school teacher there and was held prisoner of the Germans when they invaded that part of Russia. Liberated after the war, he went to Paris where he earned his master's and doctor's degrees at the Sorbonne. In 1953 he came to the US and worked with the Reynolds Metals Co, mainly on the surface chemistry and metallurgy of aluminum. He began teaching at the University of Louisville in 1958, pursuing research in the properties of ultrathin metallic films.

### Hertha Spöner-Franck Was Molecular Spectroscopist

Hertha Spöner-Franck, a former professor at Duke University, died on 17 Feb. at Ilten, Germany. She was 72 years old. Born in Germany, she received her PhD in 1920 at the University of Göttingen, where she taught until 1934. From 1934 to 1936 she was a visiting professor at the University of Oslo, Norway, after which she went to Duke. Spöner-Franck was the widow of James Franck, who shared the Nobel prize in physics in 1925. Her work was concerned with molecular spectra and their application to chemical problems.

### Henry J. Miller, Director of Research for Several Groups

Seton Hall University research professor of physics Henry J. Miller died on 29 Feb. at the age of 81. Miller, who received his PhD under James Franck at Göttingen in 1924, had spent the past eight years in developing an undergraduate-research program at Seton Hall. Prior to this period he was a consulting physicist for such corporations as RCA and had conducted research for the Charles Engelhard Co and General Electric. As research director for the Grigsby-Grunow Corp he was responsible for coordination of the activities of research groups at the University of Chicago, the University of Michigan and Purdue University. He also served as director of research at the Emporium Pennsylvania Laboratories of the Sylvania Corp.

His research interests were concerned with flame spectra, the physical properties of glass, vacuum tubes and the scientific control of production. □

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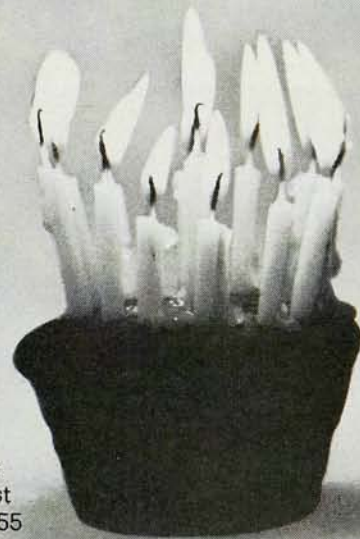
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