

da, and a fellow of the Royal Society of Canada and the Royal Astronomical Society.

Louise Sherwood McDowell

A former chairman of the physics department at Wellesley College, Louise McDowell, died on 6 July at her home in Wellesley. She had served continuously on the Wellesley faculty from 1909 until her retirement in 1945.

Miss McDowell was born in 1876 in Wayne, New York. She received her BA from Wellesley in 1898 and over the next several years obtained an MA and a PhD from Cornell University while working intermittently as a secondary-school teacher. Four years after her return to Wellesley, she was appointed professor of physics and chairman of the department. She retired in 1945 as professor emeritus. A fellow of the American Physical Society and the American Association for the Advancement of Science, she was also a member of the Optical Society of America and served as vice president (1944) of the American Association of Physics Teachers.

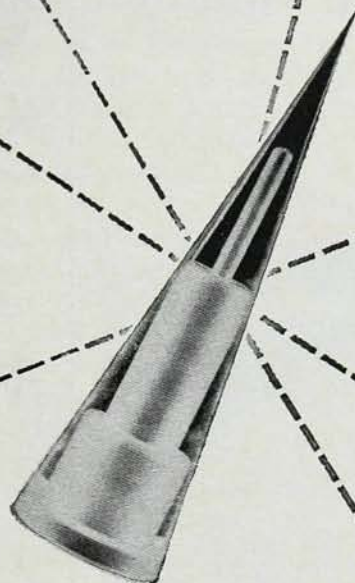
Francis Michael Wiener

Bolt, Beranek and Newman's principal scientist and manager of its psychoacoustics group, Francis Wiener, died on 22 March. He was 55 years old.

Born in Prague and a graduate of its Technical University, Wiener came to the United States in the 1930's. He held Eveleth and McKay scholarships at Harvard University between 1939 and 1941, the year he was awarded his doctorate, and worked in the University's electro-acoustic and psychoacoustic laboratories until 1946. For the next six years he did research in speech, hearing and applied acoustics at Bell Telephone Laboratories and after 1948 also taught at Brooklyn Polytechnic Institute. In 1952, he was appointed head of the engineering section at Spencer-Kennedy Laboratories in Cambridge, Mass. He joined Bolt, Beranek and Newman in 1954.

Wiener was a fellow of the Acoustical Society of America and the Institute of Electrical and Electronics Engineers. □

From every point of view . . .



it's

precision

optical

fabrication

Bring your optical fabrication requirements to Valpey . . . laser rods . . . infrared optics . . . transducer crystals . . . or any conventional or special optical element.

The Valpey fabricated component above, for example, is a 5.340" long optically polished pyrex cone having stepped I.D. holes of .125", .500", and .751" $\pm .001$ ", concentric to .001" T.I.R. and parallel to .000010". The sharp 16° polished point is accurate to within 2 seconds of arc.

But the shape or material really doesn't matter too much because Valpey is prepared to handle nearly any material; to nearly any shape, and in any quantity.

And when we are confronted with particularly unusual problems we have the technical staff and instrumentation to meet those problems successfully.

Write us for specifications data . . . send along a print for our quotation . . . or call us collect if we can help you with an urgent problem.



VALPEY
CORPORATION

1025 Highland St. / 300 N. Newport Blvd.
Holliston, Mass. / Newport Beach, Calif.