

## BENJAMIN BAUMZWEIGER BAUER

*1913-1979*

BY CYRIL M. HARRIS

**B**ENJAMIN BAUMZWEIGER BAUER, formerly Vice-President and General Manager of the CBS Technology Center in Stamford, Connecticut, died in Stamford on March 31, 1979.

Mr. Bauer's distinguished forty-two-year career in acoustic instrumentation and measurement, sound recording and reproduction, and underwater sound resulted in a long list of engineering accomplishments and led to his being granted more than 100 patents.

Ben Bauer was born on June 26, 1913, in Odessa, Russia. After spending his teenage years in Cuba, he came to the United States in 1930, where he remained, becoming a citizen in 1941. He received a degree in industrial engineering from Pratt Institute in 1932 and the electrical engineering degree from the University of Cincinnati in 1937. He pursued postgraduate studies at Chicago and Northwestern universities.

Mr. Bauer's career in industry, following his graduation in 1937, started with his employment as a development engineer at Shure Brothers, Inc., in Evanston, Illinois, where he eventually became Director of Engineering and Vice-President. One of his significant contributions to the field of acoustic instrumentation was the development, at Shure Brothers, of the first unidirectional (cardioid) microphone in a single transducer, the principle of which is widely used today in microphones of this type. In addition, he made important contributions to the field of recording, including disc-cutter and