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FERRITE APPLICATIONS

Chairman: William E. Hord—Microwave Applications Group

Session Abstract: The ferrite session is composed of six papers describing significant developments in the art of ferrite devices. A field-displacement isolator constructed using a planar geometry and operating at W-band is presented. This is followed by a discussion on a Ka-band junction circulator which eliminates the bias magnet by using hexagonal ferrite. Two papers covering the advances in microstrip magnetostatic resonators and filters are presented. The session is concluded with two papers on YIG oscillators—the first describing a YIG sphere oscillator tunable over the 3.8 to 30.0 GHz range and the second describing a temperature-compensated YIG disc oscillator for satellite and data transmission.

8:30 a.m.—10:00 a.m., Tuesday, June 13, 1989
Center Theater