

## 1981 IEEE FELLOWS

The IEEE by-laws define the fellow grade as one of unusual professional distinction. It is conferred only by invitation of the IEEE Board of Directors upon a person of outstanding qualifications, extraordinary experience, and individual contributions in the fields of electrical engineering, electronics, computer engineering and sciences, allied branches of engineering, and related arts and sciences.

In 1981, 130 individuals were elected Fellows of the IEEE. Ten of these were sponsored by the Microwave Theory and Techniques Society. They are:

**Kenneth J. Button**, Massachusetts Institute of Technology, Lexington, Massachusetts, for pioneering work on microwave ferrites and ferrite devices.

**Dr. James J. Gallagher**, Georgia Institute of Technology, Atlanta, Georgia, for original and sustained contributions to molecular spectroscopy and frequency control and for the advancement of millimeter-wave technology.

**Vladimir G. Gelnovatch**, U.S. Army Electronics Technology and Devices Laboratory, Fort Monmouth, New Jersey, for contributions to the field of microwave circuit design and optimization.

**Horst W. A. Gerlach**, U.S. Army ERADCOM, Harry Diamond Laboratories, Adelphi, Maryland, for the design and development of microwave tubes and solid-state sources of missile fuze systems.

**Dr. James W. Gewartowski**, Bell Telephone Laboratories, Holmdel, New Jersey, for contributions to microwave solid-state circuits.

**Samuel Hopfer**, General Microwave Corp., Farmingdale, New York, for contributions to microwave components and instruments, especially to wide-band power measuring devices.

**Dr. Tatsuo Itoh**, University of Texas at Austin, Austin, Texas, for contributions to dielectric and printed waveguide technology for millimeter-wave integrated circuits.

**Dr. Don Parker**, Hughes Aircraft Company, Canoga Park, California, for technical direction of the development of high-power solid-state sources.

**Charles T. Rucker**, Georgia Institute of Technology, Atlanta, Georgia, for contributions to the development of techniques for power combining of microwave semiconductor devices.

**Dr. S. Perry Schlesinger**, Columbia University, New York, New York, for contributions to the study of electromagnetic wave-plasma interactions and relativistic beam high-power millimeter-wave sources.