

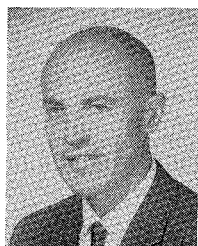
Contributors



Marceau Felden was born in Nancy, France, on August 2, 1932. He received the Doctorat d'Etat es-Sciences Physiques from the University of Nancy, Nancy, France, in 1959.

From 1956 to 1959 he was a Research Physicist at the Centre National de la Recherche Scientifique, where he worked on ultra high frequency techniques. Since 1961 he has been Professor of Theoretical and Nuclear Physics and his main research work has been concerned with plasma physics.

Mr. Felden is a member of the Groupe-ment AMPERE.



William C. Jakes, Jr. (S'43-A'49-SM'53-F'62) was born in Milwaukee, Wis., on May 15, 1922. He received the B.S.E.E., M.S., and Ph.D. degrees from Northwestern University, Evanston, Ill., in 1944, 1947, and 1949.

During World War II, he served in the Navy as a Lieutenant concerned with aircraft radar maintenance. After the war, and following the completion of his Ph.D. degree, he joined Bell Telephone Laboratories, Inc., Murray Hill, N. J., where he engaged in microwave antenna and propagation research. He was Project Engineer of the Bell Labs. Project Echo operations in Holmdel, N. J., and later was Project Engineer for the participation of the Holmdel station in the Telstar project. In 1963 he became Head of the Mobile Radio Research Department, responsible for fundamental studies of microwave transmission and systems in this area.

Dr. Jakes is a member of Sigma Xi, Pi Mu Epsilon, and Eta Kappa Nu. In 1961 he received an honorary degree from Iowa Wesleyan College, Mount Pleasant, and in 1962, the Alumni Distinguished Service Award from Northwestern University.



Burton J. Levin (S'62) was born in Philadelphia, Pa., on June 23, 1942. He received the B.S.E.E. degree from Drexel Institute



of Technology, Philadelphia, Pa., in 1964 and the M.S.E.E. degree from Massachusetts Institute of Technology, Cambridge, Mass., in 1965. He is presently working toward the Ph.D. degree in electrical engineering at

the University of Pennsylvania, Philadelphia.

During portions of 1962 and 1963, he was employed in the Microwave Laboratory at American Electronics Laboratories, Colmar, Pa. He was a Member of the Technical Staff at Bell Telephone Laboratories, Murray Hill, N. J., in the summer of 1964. During the school year of 1964 to 65, he was a member of the Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge, Mass. He was a Bell Telephone Laboratories Fellow at the Massachusetts Institute of Technology and is currently a Ford Fellow at the University of Pennsylvania.

Mr. Levin is a member of Tau Beta Pi, Eta Kappa Nu, Phi Kappa Phi, and Sigma Xi.



John R. Pyle was born in Saltford, Somerset, England, on April 5, 1934. He received the B.Sc. (Special) degree in physics from Queen Mary College, University of London, England, in 1956.

Until 1958 he was employed at the Marconi Research Laboratories, Essex, England, and worked there on microwave links and low-loss transmission at millimetre wavelengths. In 1958 he moved to Australia and joined the Weapons Research Establishment, Department of Supply, Salisbury, South Australia. Until February, 1965, he specialized in microwaves and antennas, and he has written several publications illustrating the application of high speed digital computers to problems in this field. At present Mr. Pyle is a Senior Research Scientist in charge of a section working on the application of lasers to communications. He is particularly

interested in producing long wavelength lasers and generating sub-millimetre microwaves.

Mr. Pyle is a member of the Australian Institute of Physics.



Thomas M. Reeder (S'59) was born in Elmhurst, Ill., on April 17, 1938. He received the B.S. degree in electrical engineering from the University of Illinois, Urbana, in 1960 and the M.S. and Ph.D. degrees from Stanford University, Stanford, Calif., in 1961 and 1965, respectively.

While at Stanford University he was a research assistant at Hansen Microwave Laboratory, where he studied the amplitude and phase characteristics of coupled-cavity traveling-wave tubes. Since August, 1965, he has been a member of the technical staff at Standard Telecommunication Laboratories, Harlow, Essex, England, where his research is concerned with microwave acoustic amplification in semiconductors.

Dr. Reeder is a member of Eta Kappa Nu and Tau Beta Pi.



Georges Roussy (M'64) was born in Nancy, France, on February 27, 1938. He received the the Diplôme d'Ingénieur (electrical engineering degree) and the Licence-es-Sciences Mathématiques (M.S. degree) from

the Ecole Nationale Supérieure d'Electricité et de Mécanique, Nancy, France, both in 1962.

Since 1962 he has been with the Centre National de la Recherche Scientifique and the Laboratory of Theoretical Chemistry, University of Nancy, Nancy, France. His work involves microwave measurement techniques and problems connected with dielectric relaxation behavior.

Mr. Roussy is a member of SFE et SFER.