

Contributors to This Issue

J. J. DEGAN, JR., B.S. in E.E., 1954, Northeastern University; Bell Telephone Laboratories, 1954—. After completing Communications Development Training Program assignments he turned to development of a common microwave carrier supply and a protection switching system for the TH microwave system. He supervises a group engaged in development of microwave ferrite devices. Member I.R.E.

ELBERT J. DRAZY, B.S. in E.E., 1942. Purdue University; Bell Telephone Laboratories, 1942—. During World War II he was concerned with the development of test equipment for microwave radar. Between 1951 and 1960 he was engaged in the development of test equipment for microwave radio relay systems and video transmission systems. At present he is concerned with the development of L-type multiplex equipment. Member Eta Kappa Nu, Tau Beta Pi, Sigma Xi.

WILLIAM O. FULLERTON, B.S. in E.E., 1923, Iowa State University; Western Electric Co., 1923-24; Bell Telephone Laboratories, 1925—. His early work included design of switchboards and various types of toll switching equipment. During World War II he was engaged in military work on a signal generator and airborne radars. Later he worked on design and development of microwave radio equipment. His most recent work has been concerned with station terminal equipment for the SD submarine cable system.

R. R. GAY, E.E., 1937, Cornell University; Bell Telephone Laboratories, 1937—. His first assignments were in trial installation and current analyzation. He joined the power development department in 1941 and during the war specialized in servos and servo-mechanisms for the armed forces. He later worked on power systems for early coaxial carrier, microwave and flexible repeater systems. Since 1953 he has supervised a group working on power equipment and systems development on carrier, microwave, submarine cable, PBX, data-phone, experimental satellite and a number of armed forces projects.

ADOLF J. GIGER, Diploma in Electrical Engineering, 1950 and Doctor of Electrical Engineering, 1956, Swiss Federal Institute of Technology;

Bell Telephone Laboratories, 1956 —. Mr. Giger heads a group working on development of a ground receiver for a satellite communications system. His earlier work was in development of circuits for the TH microwave transmission system. Senior member I.R.E.

HERBERT D. GRIFFITHS, B.Sc., 1949, University of Western Ontario; M.Sc., 1950, McGill University; Bell Telephone Laboratories, 1954 —. Mr. Griffiths has concentrated on the TH microwave system. His early work was design of broadband intermediate frequency amplifiers and limiters. Since 1957 he has supervised a group engaged in final development of equipment for the TH system. Member I.R.E.

B. H. HAMILTON, B.S. in E.E., 1949, University of Kansas; Bell Telephone Laboratories 1950—. His early assignments included development of power regulator circuits for L carrier; exploratory development of transistor dc regulator circuits, battery charging rectifiers, and magnetic amplifier circuits; and planning of power systems for new projects. Starting in 1957, he has supervised a group developing power circuits for microwave, submarine cable, experimental satellite, PBX, and data transmission projects. He supervises a group concerned with engineering for common power systems. Member A.I.E.E.

RICHARD W. HATCH, B.S. in E.E., 1952, Northeastern University; M.S., 1958, Stevens Institute of Technology; Bell Telephone Laboratories, 1952 —. For several years he worked on design of FM terminals for the TH microwave system. In 1958 he was made supervisor of a group designing auxiliary channel circuits for the TH system. Since the beginning of 1961 he has headed a group working on the ground transmitter and systems analysis for a satellite communications system. Member I.R.E., Eta Kappa Nu, Tau Beta Pi.

PAUL T. HAURY, B.E., 1941, Vanderbilt University; Bell Telephone Laboratories, 1942—. His first assignment was with the trial installation group preparing models of radar test equipment. Later he designed airborne and portable radar equipment, and after the war he turned to equipment engineering related to carrier telephone system. He worked on submarine cable systems for military communications from 1951 to 1956, and in 1957 he became supervisor of a group engaged in design of TH microwave equipment. Since early 1961 he has worked on repeater payload design for satellite communications.

EDWARD W. HOUGHTON, B.S., 1936, Oregon State College; M.S., 1937, Iowa State College; Bell Telephone Laboratories, 1937 —. He was first engaged in development of laboratory and field test equipment for carrier systems. During the war he worked on radar test equipment and underwater sound detection equipment. Since 1950 he has been engaged in development of test equipment for cable and microwave systems, missile defense systems and on microwave terminal equipment. Member I.R.E., Eta Kappa Nu, Kappa Kappa Psi, Sigma Tau, Sigma Xi.

JOHN P. KINZER, M.E., 1925, Stevens Institute of Technology; B.C.E., 1933, Polytechnic Institute of Brooklyn; Bell Telephone Laboratories, 1925 —. After early work on loudspeakers for the first sound movies, he was engaged in the development of voice- and carrier-frequency repeaters. During World War II he was concerned with the development of radar test equipment. He later was engaged in coaxial systems studies and TH radio relay systems studies. He turned to satellite communications systems work early this year. Senior member I.R.E.

JOHN F. LAIDIG, B.S. in E.E., 1941, University of Kansas; M.E.E., 1948, Polytechnic Institute of Brooklyn; Bell Telephone Laboratories, 1941 —. His early work was in testing new designs of PBX's. During the war he turned to design of UHF radio receivers for military aircraft and after the war he continued in design of radio receivers for mobile telephony. He later worked on microwave equipment for television transmission. In 1950 he returned to radio work for a military communication system, and later was engaged in development of broadband microwave radio equipment for Bell System use. Since 1954 his work has been in transmission system engineering on microwave radio systems. Member Kappa Eta Kappa, Tau Beta Pi.

FRANK K. LOW, Western Electric Co., 1921-24; Bell Telephone Laboratories, 1925 —. After early work on panel dial office testing, he transferred to Bell Laboratories where he was engaged in development of signaling circuits for various local exchange switching systems. This work was interrupted by World War II, during which he participated in the development of microwave measuring devices. In 1956 he was assigned to investigate problems concerned with push-button signaling. More recently his responsibilities have included the logic circuits of TH radio protection switching and the data circuits of the electronic PBX. Member A.I.E.E.

HARRY H. SPENCER, B.S. in M.E., 1923, University of New Hampshire; Western Electric Co., 1923-24; Bell Telephone Laboratories, 1925-60. Mr. Spencer concentrated on power development throughout most of his Bell System career. He was concerned with power supplies for toll, broadband carrier, microwave and cable systems. Before his retirement last year he supervised power plant development for central offices and long-distance systems, including the original transatlantic cable and the electronic central office at Morris, Ill. Member A.I.E.E.

P. T. SPROUL, B.S. in E.E., 1937, and E.E., 1955, Iowa State University; Bell Telephone Laboratories, 1937 —. His early work included trial installation of crossbar, PBX and radio-telephony privacy equipment and design of equipment for crossbar and carrier systems. During World War II he worked on airborne and naval radar and later turned to design of equipment for television transmission systems. More recently he has supervised a group engaged in systems planning and component development for the TH microwave system. He is now concerned with development of radars for the Nike-Zeus missile systems. Senior member I.R.E.; member A.I.E.E., Eta Kappa Nu.

CHARLES P. SUSEN, B.E.E., 1953, Rensselaer Polytechnic Institute; Bell Telephone Laboratories, 1953 —. Since completing Communications Development Training Program assignments, he has worked on design and development of the VHF portions of repeater station equipment for the TH microwave system. Member Eta Kappa Nu, Tau Beta Pi.

PAUL R. WICKLIFFE, B.S.E.E., 1949, Purdue University; S.M., 1951, Massachusetts Institute of Technology; Bell Telephone Laboratories, 1951 —. He was first concerned with development of antennas and traveling-wave tube amplifiers for the TH microwave system. He later worked on a narrow-band radio system for order wire and alarms. He is presently taking part in work on the ground transmitter for a satellite communications system. Member A.I.E.E., I.R.E., Eta Kappa Nu, Tau Beta Pi.