

CONTRIBUTORS TO THIS ISSUE

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communication. He was involved in the measurement of the Crawford Hill 7-meter antenna and the development of an earth station receiver for the ATS-6 satellite. Since coming to Long Lines, Mr. England has been Senior Engineer on Long Lines' new coaxial cable transmission system.

Michael J. Grieco, B.S. (Chemistry), 1966, Rutgers University, New Brunswick, NJ; Bell Laboratories, 1961-68, 1972—. Mr. Grieco has worked in many aspects of semiconductor processing such as photolithography, etching, C.V.D., and wafer cleaning. He has been involved in photolithographic process engineering for the *BELL-MAC**-8, -4, and most recently the *BELLMAC*-32 microprocessor. This process engineering work is being continued in 1- μ m MOS device technology.

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Thomas B. Martin, B.S.E.E., 1957, University of Notre Dame; M.S.E.E., Ph.D., University of Pennsylvania, 1960 and 1970, respectively. In 1970 he co-founded Threshold Technology Inc., which developed the first practical automatic speech recognition systems to be used in industry. In March 1982, he joined Bell Laboratories and has continued to work in speech recognition.

Stephen C. Mettler, B.S., 1962, U.S.A.F. Academy; M.S. (Physics), 1972, and Ph.D. (M.E.), 1976, Purdue University; Bell Laboratories, 1976—. Mr. Mettler is presently engaged in research on optical fiber components and splicing. Member, OSA.

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Lawrence R. Rabiner, S.B. and S.M., 1964, Ph.D. (Electrical Engineering), The Massachusetts Institute of Technology; Bell Laboratories, 1962—. From 1962 through 1964, Mr. Rabiner participated in the cooperative plan in electrical engineering at Bell Laboratories. He worked on digital circuitry, military communications problems, and problems in binaural hearing. Presently, he is engaged in research on speech communications and digital signal processing techniques. He is coauthor of *Theory and Application of Digital Signal Processing* (Prentice-Hall, 1975), *Digital Processing of Speech Signals* (Prentice-Hall, 1978), and *Multirate Digital Signal Processing* (Prentice Hall, 1983). Former President, IEEE, ASSP Society; former Associate Editor, ASSP Transactions; former member, Technical Committee on Speech Communication of the Acoustical Society, ASSP Technical Committee on Speech Communication; Member, IEEE Proceedings Editorial Board, Eta Kappa Nu, Sigma Xi, Tau Beta Pi. Fellow, Acoustical Society of America, IEEE.

Donald V. Speeney, Assoc. in Technology (Electronics), 1960, Temple University; Bell Laboratories, 1960—. Since joining Bell Laboratories, Mr. Speeney has worked in the area of semiconductor device technology development and device physics. This includes work on the discrete components of germanium, silicon, and gallium arsenide, as well as CMOS microcomputer and microprocessor integrated circuits. More recently, he has been working on processes and technology for producing silicon integrated circuits.

York Y. Wang, B.S. (Physics), 1970, Chung-Yuan Christian College, Taiwan; M.S. (Physics), 1972, and Ph.D. (Physics), 1976, University of Missouri at Columbia; Jet Propulsion Laboratory, 1975-1977, Bell Laboratories, 1977—. At Jet Propulsion Laboratory, Mr. Wang worked on Viking and Voyager Projects as a mission planner. At Bell Laboratories, he has been involved in microwave radio propagation studies, space diversity signal combining techniques, digital microwave radio systems performance and applications, digitization of analog microwave radio systems, and advanced network services planning. Member, IEEE, Sigma Xi.

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