

Contributors to This Issue

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Dan Bisbee, B.S., 1965, Monmouth College; Bell Laboratories, 1955—. Mr. Bisbee has worked on the design and measurement of millimeter waveguide components. He has also been involved with the study and measurement of transmission losses in bulk glass and optical-fiber waveguides. He is presently engaged in developing techniques for splicing optical fibers and cables.

Edwin L. Chinnock, Stevens Institute of Technology; Bell Laboratories, 1939—. Mr. Chinnock has worked on microwave components, microwave radio relay, and helix waveguide fabrication. He is presently working on optical waveguide components.

Leonard J. Forsys, B.S.E.E., 1963, University of Notre Dame; M.S. and E.E., 1965, Massachusetts Institute of Technology; Ph.D., 1968, University of California at Berkeley; Acting Assistant Professor of Electrical Engineering, University of California at Berkeley, 1967–1968; Bell Laboratories, 1968—. Upon joining Bell Laboratories, Mr. Forsys was engaged in research and consulting on communication and control theory problems. He later was involved in studies of the analysis and control of an air traffic system and worked on the real-time prediction of demands for a domestic satellite system. He is currently supervisor of the Traffic Studies Group doing capacity studies of electronic switching machines.

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mission media and the application of ultra-fast measuring techniques to optical component studies. He is presently engaged in transmission research related to optical-fiber communication systems.

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E. J. Messerli, B.A.Sc. (E.E.) 1965, University of British Columbia; M.S. (E.E.) 1966, University of California at Berkeley; Ph.D. (E.E. and Comp. Sc.) 1968, University of California at Berkeley; Acting Assistant Professor of Electrical Engineering, University of California at Berkeley, 1968-1969; Bell Laboratories, 1969—. Mr. Messerli has been involved in studies on the analysis and control of an air traffic system and on the demand assignment of capacity for a domestic satellite system. He has also worked on the development of optimization algorithms. Since 1971, his work has been concerned with telephone traffic analysis and modeling. Currently, his work is concerned with the effect of measurement and forecasting errors on the trunk provisioning process.

M. Robert Pinnel, B.Sc. (E.E.), 1966, M.Sc. (Met.E.), 1968, and Ph.D. (Materials Sci.), 1970, Drexel University; Bell Laboratories, 1970—. Mr. Pinnel has been engaged in research on the characterization of the physical and mechanical behavior of numerous copper-based alloys used as spring materials, interdiffusion in electrical connector materials, the detailed characterization of the Fe/Co/2-3% V alloy system, and the interaction of liquid mercury with numerous metallic elements. His current interests are in the areas of magnetic materials and solid-state diffusion. Member, ASM, AIME, Tau Beta Pi, Phi Kappa Phi, Alpha Sigma Mu, Eta Kappa Nu.

Vasant K. Prabhu, B.E. (Dist.), 1962, Indian Institute of Science, Bangalore, India; S.M., 1963, Sc.D., 1966, Massachusetts Institute of Technology; Bell Laboratories, 1966—. Mr. Prabhu has been concerned with various theoretical problems in solid-state microwave devices, noise, and optical communication systems. Member, IEEE, Eta Kappa Nu, Sigma Xi, Tau Beta Pi, and Commission 6 of URSI.

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Peter W. Smith, B.Sc., Mathematics and Physics, 1958, and M.Sc. and Ph.D., Physics, 1961 and 1964, McGill University; Visiting Mackay Lecturer in Electrical Engineering, 1970, University of California, Berkeley; Bell Laboratories, 1964—. Mr. Smith has investigated a number of systems for obtaining single-frequency laser operation and is currently investigating the use of waveguide techniques for producing miniature gas lasers. Member, American Physical Society, Optical Society of America, IEEE.

Richard H. Turrin, B.S.E.E., 1956, Newark College of Engineering; M.S.E.E., 1960, New York University; Bell Laboratories, 1956—. Mr. Turrin has been concerned with propagation and antenna work at micro- and millimeter wavelengths. He participated in the design of the *Telstar*[®] satellite ground-station antennas and is presently engaged in studies of satellite antennas. Member, IEEE, Eta Kappa Nu, Tau Beta Pi.