8  Videotex Networks
   A. J. S. Ball, G. V. Bochmann, and Jan Gecsei
Using the home TV screen, videotex networks can provide easy, inexpensive access to vast amounts of information. Here, we consider planned and possible network structures.

17  Instrumenting Programs for Symbolic-Trace Generation
   J. C. Huang
Symbolic traces increase error-detection capabilities of program tests and indicate the extent of their coverage. This instrumentation system generates traces automatically upon program execution.

24  Validation, Verification, and Testing for the Individual Programmer
   Martha A. Branstad, John C. Cherniavsky, and W. Richards Adrion
Good programming demands sound testing, verification, and validation techniques throughout the life cycle—even if the development environment has limited support and resources.

35  Tutorial Series—3: Perspectives on Dedicated and Control Processing
   Charles H. House
Progress in electronic hardware alone will not ensure success in measurement and control of nonelectronic processes. Nevertheless, the future for stored program controllers has never seemed brighter.