7 Guest Editor’s Introduction—Advances in Microcomputer Peripherals
   Jean-Daniel Nicoud

9 Microcomputer Peripherals—Status and Trends
   Andrew Allison
   The mass storage and input/output needs of microcomputer systems are driving
   the development of a broad range of peripheral products. Fortunately, no one
   technology is lagging—the capabilities of all peripherals are advancing at compati-
   ble rates.

18 The Non-Death of Paper
   Roy J. Lahr
   The reports of the death of paper have been greatly exaggerated. Not only will
   computers not halt the flow of paper, they will probably increase it.

26 A New Peripheral for Three-Dimensional Computer Input
   P. D. Noakes and R. Aish
   This device consists of intelligent building blocks which may be assembled by hand
   and then automatically queried by computer. In this way, a structural database can
   be quickly and easily created.

36 Word Processing with On-line Script Recognition
   Wolfgang Doster and Richard Oed
   Adding a graphics tablet, a stylus, and special software to a personal computer
   system enables its users to edit text with simple, handwritten commands.

44 A Smart Digital-Readout Circuit for a Capacitive Microtransducer
   Ernst Habekotté and Stefan Cserveny
   By incorporating on-chip signal preprocessing, this CMOS switched-capacitor-based
   A/D converter improves the speed and accuracy with which a microprocessor
   system can sense physical forces such as pressure and acceleration.

55 The Advancing Technology of Motorola’s Microprocessors and
   Microcomputers
   James J. Farrell III
   Starting with the first five-volt microprocessor in 1975, Motorola has gone on to
   produce an entire family of midrange microcomputers and peripherals designed for
   high-speed operation and maximum efficiency.

DEPARTMENTS

64 Microreview: The Fujitsu Model 16s
66 Microlaw: Software tie-ins
68 Micronews
69 Microstandards: Sponsor ballot results;
   Are more 32-bit bus standards needed?
73 New Products
80 Product Summary
83 Access
88 Advertiser/Product Index
91 Professional Calendar

Change of Address, p. 88
Reader Service Cards, p. 89