

Number One

VM/370—a study of multiplicity and usefulness <i>L. H. Seawright and R. A. MacKinnon</i>	4
The changing virtual machine environment: Interfaces to real hardware, virtual hardware, and other virtual machines <i>R. A. MacKinnon</i>	18
VM/370 asymmetric multiprocessing <i>L. H. Holley, R. P. Parmelee, C. A. Salisbury, and D. N. Saul</i>	47
A formal approach for communication between logically isolated virtual machines <i>R. M. Jensen</i>	71
Virtual Control Storage—security measures in VM/370 <i>C. R. Attanasio</i>	93
Evolution of a virtual machine subsystem <i>E. C. Hendricks and T. C. Hartmann</i>	111
Managing VM/CMS systems for user effectiveness <i>W. J. Doherty and R. P. Kelisky</i>	143
State sampling of interactive VM/370 users <i>W. H. Tetzlaff</i>	164

Number Two

Computing and communications—A perspective of the evolving environment <i>L. M. Branscomb</i>	189
An introduction to network architectures and protocols <i>P. E. Green</i>	202
Public data networks: Their evolution, interfaces, and status <i>J. R. Halsey, L. E. Hardy, and L. F. Powning</i>	223
SNA and emerging international standards <i>F. P. Corr and D. H. Neal</i>	244
SNA multiple-system networking <i>J. P. Gray and T. B. McNeill</i>	263
Routing and flow control in Systems Network Architecture <i>V. Ahuja</i>	298
Evolution of a laboratory communication network <i>R. S. Moore</i>	315
Potential technology implications for computers and telecommunications in the 1980s <i>W. D. Frazer</i>	333

Number Three

Performance analysis of complex communications systems <i>H. M. Stewart</i>	356
A distributed information system study <i>K. Ziegler, Jr.</i>	374
An office communications system <i>G. H. Engel, J. Groppuso, R. A. Lowenstein, and W. G. Traub</i>	402
A research perspective on computer-assisted office work <i>A. M. Gruhn and A. C. Hohl</i>	432
Automatic programming for energy management using sensor based computers <i>M. J. Shah</i>	457

**Volume 18
1979**

Number Four

An integrated approach to centralized communications network management <i>R. A. Weingarten</i>	484
An operating system for distributed processing—DPPX <i>S. C. Kiely</i>	507
I/O facilities of the Distributed Processing Programming Executive (DPPX) <i>H. R. Albrecht and L. C. Thomason</i>	526
Data management for the Distributed Processing Programming Executive (DPPX) <i>A. K. Fitzgerald and B. F. Goodrich</i>	547
Design of the IBM 8100 Data Base and Transaction Management System—DTMS <i>F. C. H. Waters</i>	565
Distributed processing: An assessment <i>H. Lorin</i>	582