

Contents of Volume 24, 1985

Number One

Standardized graphics on the IBM Personal Computer <i>T. B. Clarkson III</i>	3
A professional graphics controller <i>K. A. Duke and W. A. Wall</i>	14
Expanded personal computing power and capability <i>P. A. Korn, J. P. McAdaragh, and C. L. Tondo</i>	26
The C programming language and a C compiler <i>R. R. Ryan and H. Spiller</i>	37
Design considerations for IBM Personal Computer Professional FORTRAN, an optimizing compiler <i>M. L. Roberts and P. D. Griffiths</i>	49
An APL system for the IBM Personal Computer <i>M. L. Tavera, M. Alfonso, and J. Rojas</i>	61

Number Two

The IBM large-systems software development process: Objectives and direction <i>W. S. Humphrey</i>	76
A programming process architecture <i>R. A. Radice, N. K. Roth, A. C. O'Hara, Jr., and W. A. Ciarfella</i>	79
A programming process study <i>R. A. Radice, J. T. Harding, P. E. Munnis, and R. W. Phillips</i>	91
Automating the software development process <i>G. F. Hoffnagle and W. E. Beregi</i>	102
Quality emphasis at IBM's Software Engineering Institute <i>M. B. Carpenter and H. K. Hallman</i>	121
PDM: A requirements methodology for software system enhancements <i>R. G. Mays, L. S. Orzech, W. A. Ciarfella, and R. W. Phillips</i>	134
A process-integrated approach to defect prevention <i>C. L. Jones</i>	150
Programming process productivity measurement system for System/370 <i>M. J. Flaherty</i>	168

Numbers Three and Four

Worldwide systems engineering <i>T. G. Peck</i>	182
HONE: The IBM marketing support system <i>W. Boos</i>	189
Performance considerations for a distributed data processing system designed for high availability <i>S. Agassi</i>	200
Information System Model and Architecture Generator <i>K. P. Hein</i>	213
A cooperative processing environment with a single-system interface <i>M. M. Ghiotti</i>	236
Strategies for problem prevention <i>J. Newton</i>	248
Customer Information Control System—An evolving system facility <i>B. M. Yelavich</i>	264
An approach to high availability in high-transaction-rate systems <i>R. C. Brooks</i>	279
The System Planning Grid: A model for building integrated information systems <i>B. R. Buckelew</i>	294
An information technology architecture for change <i>M. W. Mudie and D. J. Schafer</i>	307
Cache-DASD storage design for improving system performance <i>C. P. Grossman</i>	316