

Contributors to this Issue

Stuart I. Feldman received an A.B. from Princeton in Astrophysical Sciences in 1968 and a Ph.D. from MIT in Applied Mathematics in 1973. He was a member of technical staff from 1973-1983 in the Computing Science Research center at Bell Laboratories. He has been at Bellcore in Morristown, New Jersey since 1984; he is now division manager of Computer Systems Research. He is Vice Chair of ACM SIGPLAN and a member of the Technical Policy Board of the Numerical Algorithms Group. Feldman is best known for having written several important UNIX utilities, including the MAKE program for maintaining computer programs and the first portable Fortran 77 compiler (F77). His main technical interests are programming languages and compilers, software configuration management, software development environments, and program debugging. He has worked in many computing areas, including algebraic manipulation (the portable Altran system), operating systems (the venerable Multics system), and silicon compilation.

W. Morven Gentleman is a Principal Research Officer in the Computing Technology Section of the National Research Council of Canada, the main research laboratory of the Canadian government. He has a B.Sc. (Hon. Mathematical Physics) from McGill University (1963) and a Ph.D. (Mathematics) from Princeton University (1966). His experience includes 15 years in the Computer Science Department at the University of Waterloo, five years at Bell Laboratories, and time at the National Physical Laboratories in England. His interests include software engineering, embedded systems, computer architecture, numerical analysis, and symbolic algebraic computation. He has had a long term involvement with program portability, going back to the Altran symbolic algebra system, the Bell Laboratories Library One, and earlier. He is the designer of the Harmony portable multiprocessor real-time operating system, and earlier was part of the Thoth portable operating system project.

Michael Hawley is a Ph.D. candidate at the MIT Media Laboratory, where he is advised by Marvin Minsky. He holds degrees in music and computer science from Yale. In past lives he created

the first digital books for NeXT, and has done applied computer research at Lucasfilm, IRCAM, and Bell Labs.

Peter S. Langston is a member of the Software Engineering Research Group at Bell Communications Research in Morristown, New Jersey. Although Peter has been involved with the UNIX Operating System since 1974 (version 5) and his involvement with computers has ranged from the ridiculous (high finance, Wall Street law firms, and the film industry) to the sublime (astrophysics, academia, and the film industry), his true interest lies in the interaction of technology and the arts. Peter's recent work in algorithmic composition and the creation of software tools for composition, arrangement, and performance brings to bear twenty-six years of experience as a computer researcher and an even longer tenure as a performing musician and composer. Although he has taught computer courses, Peter has never taken one; he does hold a B.A. in Chemistry from Reed College. Despite the fact that Peter often appears on mailing lists as "Mr. Sir Peter," he has yet to be knighted.

Tim Thompson is a Distinguished Member of Technical Staff at AT&T Bell Laboratories in Holmdel, New Jersey. He received his B.S. (1976) and M.S. (1978) in Computer Science from the University of Illinois in Champaign-Urbana. Working for Bell Laboratories and using the UNIX System since 1978, he has been involved in computer-aided design for VLSI and high-frequency circuit packs, tools for the design of optical systems, and FAX image processing. His free time is often spent in musical pursuits, and his free cash is often spent on musical equipment. He is currently preoccupied with the development of MIDI software tools for the UNIX system.

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