

Contributors to This Issue

Matt Bishop received his Ph.D. in Computer Science from Purdue University, where he specialized in computer security. He was a research scientist at the Research Institute of Advanced Computer Science and was on the faculty at Dartmouth College before joining the Department of Computer Science at the University of California at Davis. His research areas include computer and network security, and he teaches both, along with operating systems and software engineering. He is a member of the Privacy and Security Research Group which studies security issues related to the Internet. He can be reached at bishop@cs.ucdavis.edu.

Geoff Collyer has been programming computers for almost a quarter-century, and using and administering UNIX systems for almost 20 years. He was a system programmer at the University of Toronto for most of the 1980s and ran UNIX systems there for the computer center and the statistics department, worked on netnews software at Software Tool & Die for a few years, spent a year writing the operating system for AT&T's now-defunct HomeCenter product, and is now a Member of Technical Staff in the Computing System Research Laboratory of AT&T Bell Laboratories in Murray Hill, NJ.

His interests include Plan 9, file archiving, operating systems internals and how to improve them, performance tuning, software reimplementations, and software engineering. He is an opponent of sloppy work. He has been known to debug such daunting programs as `uucp`, `tbl`, `troff`, and `sh`. He got involved with netnews software in an attempt to improve the efficiency of his machines and instead made possible the current ridiculous volume of netnews.

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Michael Dilger is a network security engineer at Sun Microsystems, Inc. He received his Masters degree in Computer Science from the University of California at Davis. His research interests include study of computing system vulnerabilities and cryptographic protocols.

Raphael A. Finkel was born in 1951 in Chicago, where he attended the University of Chicago, earning a Bachelors in Mathematics and a Masters of Arts in Teaching. He received a Ph.D. from Stanford University in 1976 in the area of Robotics. He was a faculty member of the University of Wisconsin-Madison from 1976 to 1987. He has been a Professor of Computer Science at

the University of Kentucky in Lexington since 1987. His research involves distributed data structures, distributed algorithms, and distributed operating systems.

Dr. Finkel was associated with the first work on quad trees, k-d trees, quotient networks, and the Roscoe/Arachne, Charlotte, Yackos, and Unify operating systems. He was involved in developing DIB, a package for distributing tree-structured computations in a dynamic fashion on an arbitrary number of computers.

Dr. Finkel has published over 50 articles in refereed journals and conferences and has produced over 50 technical reports. He has written two textbooks: *An Operating Systems Vade Mecum*, (Prentice-Hall, 1988), and *Advanced Programming Language Design* (Benjamin-Cummings, 1996). He is also a co-author of *The Hacker's Dictionary* (Harper and Row, 1983).

Dr. Finkel has received several teaching awards. He is a member of the ACM and the IEEE Computer Society. He is a past editor of the *IEEE Transactions on Parallel and Distributed Systems*. He can be reached at raphael@cs.engr.uky.edu.

Eric H. Herrin, II received an M.S. in Computer Science and a Ph.D. in the area of distributed systems from the University of Kentucky in 1988 and 1993, respectively. During most of his tenure as a graduate student, he worked as a full-time system administrator responsible for around 150 machines. His graduate work produced an object-based operating system, the early work on Qddb, the Viva File System, and Equanimity (the dynamic migration of software modules between a client and its server).

Dr. Herrin is currently a Senior Scientist at the University of Kentucky's Mathematical Sciences Computing Facility. His current research interests include information retrieval, distributed operating systems, file systems, and dynamic user interfaces. He is a member of the ACM, the IEEE Computer Society, USENIX, and CPSR. He can be reached at eric@ms.uky.edu.