Contributors to this Issue

Vadim Abrossimov is responsible for distributed Virtual Memory Management at Chorus systèmes. He graduated from the State University of Moscow in 1982 and started working at the Academy of Science of USSR. He immigrated to France in 1984, participating in object-oriented operating systems research at INRIA before joining the Chorus team in 1985.

Francois Armand is responsible for the distributed UNIX aspects of the CHORUS Operating System. He has been working in system software since he graduated from Ecole Nationale Supérieure d'Electrotechnique, Electronique, Informatique et Hydraulique de Toulouse in 1977. He has been working with UNIX internals for 10 years, joining the Chorus Project at INRIA in 1985 where he ported and extended the UNIX file system and associated tools.

Michel Gien is General Manager, Director of R&D, and one of the cofounders of Chorus systèmes. After graduating from Ecole Centrale des Arts et Manufactures de Paris in 1971 he joined the CYCLADES team at INRIA which pioneered computer networks research on the international scene. During this period he was responsible for the French participation in the European Informatics Network Project (EIN/COST 11), linking computer research centers in Europe and was a major contributor to the ISO/OSI early standardisation efforts. In 1980, he became responsible for a project which developed a complete UNIX-compatible environment for three different computers. He then started a research group in distributed systems at CNET, in close cooperation with the Chorus research project. He has been vice-chairman of the EUUG since 1985 and is active on the European and the international scene.

Marc Guillemont is Director of Engineering, responsible for product development, and one of the cofounders of Chorus systèmes. He graduated from Ecole Polytechnique in 1971 before earning a doctor's degree in Computer Science from Grenoble University. After working on a real-time simulator and large databases, he joined INRIA in 1977 to work on the CYCLADES computer network project. He was a member of the initial CHORUS distributed operating system research project in 1980 before he became head of the Chorus project. He directed the final evolution of CHORUS towards a full distributed UNIX system.

Frédéric Herrmann is the Project Leader of the UNIX development team and one of the cofounders of Chorus systèmes. He earned his Doctorate degree at University Paul Sabatier in Toulouse in 1985. He started working with distributed systems in the Chorus project in 1982, building a debugging tool for distributed communications and porting a UNIX file system onto an intelligent I/O board in a multiprocessor computer. In 1985 he joined the Chorus team at INRIA, concentrating on the CHORUS kernel, UNIX drivers and implementation of distributed UNIX execution facilities.

Claude Kaiser is Professor at the Conservatoire National des Arts et Métiers in Paris. He was one of the main designers of the ESOPE time-sharing system developed at INRIA in the 70s. He has been contributing to CHORUS as a Scientific Advisor since the start of the project in 1980.

Sylvain Langlois is responsible for networking and communication software for CHORUS. He obtained his Doctorate from University Pierre and Marie Curie in Paris in 1985. He has been working since 1983 in the field of communication protocol standards and techniques, focusing on network interconnection problems. Within the ISO/OSI Working Groups, he contributed actively to the design of the OSI Transport Protocol to take into account LAN's requirements. He implemented a Transport Class 4, Connectionless Transport and Connectionless Network protocols in a 4.2BSD UNIX kernel.

Pierre Léonard is responsible for CHORUS porting and one of the cofounders of Chorus systèmes. After graduating from Ecole Supérieure d'Informatique in 1980 he created a small software and consulting company. In 1982 he began working on enhanced UNIX utilities and on tuning the performance of a UNIX compatible kernel. In 1985 he joined the Chorus team to develop the CHORUS distributed system.

Robert A. Morris is Professor of Mathematics and Computer Science at the University of Massachusetts at Boston and a member of the technical staff at Interleaf, Inc. He received a B.A. in mathematics from Reed College in 1965 and an M.A. and Ph.D. in mathematics from Cornell University in 1967 and 1970. Before joining UMASS/Boston in 1978, he was on the faculty in mathematics at SUNY Albany and the University of Oklahoma and was a member of the Institute for Advanced Study in Princeton. His present research interests include image processing and human vision aspects of digital type, and he serves on the editorial board of the journal *Electronic Publishing, Origination, Dissemination, and Design*.

Will Neuhauser is Director of Marketing at Chorus systèmes. After graduating from Reed College in biology he began working in computer science in 1981 for Oregon Software, specializing in the development and marketing of compilers and software productivity tools. During his last two years at Oregon Software he also served on its Board of Directors. In 1987 he formed a consulting partnership and performed several marketing and technical consulting contracts for the Chorus team to help them plan the creation of Chorus systèmes. He moved to France in 1987 to help launch the CHORUS products.

Marc Rozier is the Project Leader of the CHORUS Operating System development team and one of the cofounders of Chorus systèmes. He earned his Doctorate degree in Computer Science from Institut National Polytechnique de Grenoble. After working on the validation of distributed systems and gaining experience in programming languages for distributed applications and distributed systems, he joined INRIA in 1982 as a researcher in the

CHORUS distributed operating system project. He worked on both the design and implementation of two successive versions of CHORUS.

Bjarne Stroustrup is the designer and original implementor of C++ and the author of *The C++ Programming Language*. He holds a Cand. Scient. in Mathematics and Computer Science from the University of Aarhus and a Ph.D. in Computer Science from Cambridge University. His research interests include distributed systems, operating systems, simulation, programming methodology, and programming languages. Stroustrup has been at Bell Laboratories since 1979; he is currently a member of the Computer Science Research Center.