

USENIX Association

Summer Conference Proceedings Atlanta 1986

June 9 - 13, 1986 Atlanta, Georgia USA



For additional copies of these proceedings, write:

USENIX Association

P.O. Box 7

El Cerrito, CA 94530 USA

Price: \$25.00 plus \$25.00 for overseas mail

© Copyright 1986 by The USENIX Association

All rights reserved.

This volume is published as a collective work.

Rights to individual papers remain

with the author or the author's employer.

UNIX® is a registered trademark of AT&T.

Other trademarks are noted in the text.



ACKNOWLEDGEMENTS

Sponsor:

The USENIX Association

P. O. Box 7

El Cerrito, CA 94350

Program Chairperson:

Mike O'Dell

Program Committee:

John Chambers

Mike Hawley

Lucasfilm, Ltd.

MCC

Sam Leffler

Lucasfilm, Ltd.

Jim McKie

Bell Communications Research

Dennis Ritchie Spencer Thomas AT&T Bell Laboratories University of Utah, Computer

Science Department

Tutorial Coordinator:

Michael Tilson

Human Computing Resources Corp.

USENIX Meeting Planner:

Judith DesHarnais

Vendor Exhibition Manager:

John Donnelly

Conference Hosts:

Paul Manno

Dan Forsyth

Medical Systems Development Corp.

Terry Countryman, Peter Wan, and Lillie Elliot of Medical Systems Development Corporation assisted in the production of these proceedings. Brent Laminack of In Touch Ministries graciously provided assistance in producing the table of contents. Ralph Amiel of Standard Press patiently answered many dumb questions on the production of a volume this size.

To all of the authors: You deserve many thanks and much appreciation. You have made an otherwise impossible task relatively easy by providing the camera-readies in plenty of time to meet the printing deadlines. To those authors who forgot to clean their laser printers before generating their copy: Yes, it does show. What you see is what the camera sees. Please remember next time.



TABLE OF CONTENTS

PLENARY SESSION

Wednesday, June 11, 9:00 - 10:30	(Grand Ballroom)
Opening Remarks: Conference Organizers and the USENIX Board Keynote Address: Pictures of Programs	
Jon Bentley, AT&T Bell Laboratories	
MUSIC	
Wednesday, June 11, 11:00 - 12:30	(Grand Ballroom)
MIDI Music Software for UNIX Michael Hawley, The Droid Works (201) 644-2332 or Eedie & Eddie on the Wire: An Experiment in Musi Peter S. Langston, Bell Communications Research	
Networks I	
Wednesday, June 11, 2:00 - 3:30	(Grand Ballroom)
Secure Networking in the Sun Environment Bradley Taylor, David Goldberg, Sun Microsystems, Inc. A Framework for Networking in System V David J. Olander, Gilbert J. McGrath, Robert K. Israel, AT&T	38
OSI and TCP/IP Protocols on a UNIX System V Jean Marc Fenart, Marc Fievet, Christian Huitema, Bernard Marc Remille, Guy Vaysseix, INRIA	
Performance	
Wednesday, June 11, 2:00 - 3:30	(Grand Salon)
Managing Development of Performance-Constrained UNIX-Based Soft on Microcomputers L. Perkins, Martin Marietta A Multiuser Multiprocessor Benchmark to Compare UNIX Systems Philip M. Mills, NCR Corporation	-
A System Call Tracer for UNIX	72



DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

