;login:
The USENIX Association Newsletter

Volume 10, Number 2

Contents

To the Editors ......................................................... 3
The 51% Solution ...................................................... 3
Solution to Last Month's Puzzle .................................... 3
The USENIX Association Appoints an Executive Director .... 5
Summer 1985 USENIX Conference ................................... 6
Conference Committee ................................................ 6
Schedule and Location of Events .................................... 6
Tentative Tutorial and Technical Programs ...................... 7
Call for Memorabilia for the Summer '85 Conference .......... 9
Representation to IEEE P1003 "UNIX Standards" Committee 9
/usr/group Technical Committee Forming at Portland .......... 9
The UUCP Mapping Project: One Year Later .................... 10
Summary of USENIX Board of Directors Meeting .............. 11
Publications Available ............................................... 14
Local User Groups .................................................... 14

The closing date for submissions for the next issue of ;login; is July 3, 1985
NOTICE

;login: is the official newsletter of the USENIX Association, and is sent free of charge to all members of the Association.

The USENIX Association is an organization of AT&T licensees, sub-licensees, and other persons formed for the purpose of exchanging information and ideas about UNIX\(^1\) and UNIX-like operating systems and the C programming language. It is a non-profit corporation incorporated under the laws of the State of Delaware. The officers of the Association are:

President Alan G. Nemeth
Vice-President Deborah K. Scherrer
Secretary Lewis A. Law
Treasurer Waldo M. Wedel
Directors Thomas Ferrin
Steve C. Johnson
Lou Katz
Michael D. Tilson

Executive Director James E. Ferguson
useunix!jim

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useunix!tom

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{ucbvax,usenix}@lou

Member Services

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El Cerrito, CA 94530
(415) 528-8649
{ucbvax,decvax}@usenix!office

Contributions Solicited

Members of the UNIX community are heartily encouraged to contribute articles and suggestions for ;login:. Your contributions may be sent to the editors electronically at the addresses above or through the U.S. mail to the Association office. The USENIX Association reserves the right to edit submitted material.

;login: is produced on UNIX using troff and a variation of the —me macros. We appreciate receiving your contributions in nroff input format, using any macro package. If you contribute hardcopy articles please leave left and right margins of \(\frac{3}{8}\)" and a top margin of 1\(\frac{1}{2}\)" and a bottom margin of 1\(\frac{3}{4}\)". Hardcopy output from a line printer or most dot-matrix printers is not reproducible.

Acknowledgments

The Association uses a VAX\(^2\) 11/730 donated by the Digital Equipment Corporation for support of office and membership functions, preparation of ;login:, and other Association activities. It runs 4.2BSD, which was contributed and installed and is maintained by mt Xinu. The VAX uses a sixteen line VMZ-32 terminal multiplexor donated by Able Computer of Irvine, California.

Connected to the VAX is a QMS Lasergrafix\(^3\) 800 Printer System donated by Quality Micro Systems of Mobile, Alabama. It is used for general printing and draft production of ;login: with ditroff software provided by mt Xinu.

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\(^2\)VAX is a trademark of Digital Equipment Corporation.

\(^3\)Lasergrafix is a trademark of Quality Micro Systems.
To the Editors:

The 51% Solution

At the USENIX conferences in Dallas and Salt Lake, I was struck by the almost universal tendency to make any and all technical things masculine; programmers were "he", users were "he", customers were "he", tree nodes had "sons", network interfaces were "he", and, believe it or not, I even heard a device driver referred to as "he"!

The English language makes it difficult to avoid the occasional pronoun, and our culture makes it even harder. But yes, Virginia, there are female programmers, customers, and even gurus (I met my first over 20 years ago). The speakers must have had information I can only guess at to be so sure of the sex of their network interfaces and device drivers.

This kind of insensitivity is at best boorish. I doubt that most of the speakers intended to offend an important and rapidly growing segment of our membership. I urge the Portland speakers to be as creative and colorful in their metaphors as possible, but remember that we males are indeed a minority in the world. Perhaps we may be treated to a sprinkling of female inodes, system buffers, and name servers.

Steve Johnson

Solution to Last Month's Puzzle

```c
#define NULL
#define NULL (char *)0
#define SQSIZ 16

/*
Solution to the puzzle which appeared in USENIX login: for Feb 85. The (inefficient, but who cares?) algorithm which is used:
For each of the 256 letters in puz, place the center of a Cartesian coordinate system at that letter. Then, construct each of the 8 rays of letters which include that letter and radiate out from it at 0, 45, 90, 135, 180, 225, 270, & 315 degrees. Look for a match of each C keyword with a substring of the same length which starts at the first char of each ray.
*/
char puz[16][16] =
{
    'n', 'q', 's', 'o', 'd', 'y', 's', 'r', 'j', 'd', 'b', 'w', 't', 'k', 'k',
    'l', 'q', 'r', 'p', 'x', 'k', 'o', 'e', 'w', 'd', 'm', 'r', 'h', 'a', 'v', 'c',
    'w', 'x', 'o', 'n', 'b', 'k', 't', 'u', 's', 'i', 'e', 'y', 'i', 'l', 'j', 'j',
    'h', 's', 'i', 't', 'a', 'u', 'p', 'z', 'b', 'o', 't', 'l', 'y', 'x', 's',
    'h', 'r', 'a', 'v', 'r', 'v', 'i', 'n', 't', 'l', 't', 'c', 'e', 't', 't', 's',
    'm', 't', 's', 'n', 't', 'j', 'x', 'm', 'a', 'm', 'e', 'c', 'h', 'a', 'r', 'p',
    'o', 'b', 'j', 'h', 't', 'l', 'u', 'a', 'f', 'e', 'd', 's', 'r', 's', 'r', 'a',
    'o', 'g', 'i', 'r', 'o', 'k', 'n', 'q', 'c', 'p', 'c', 'z', 'u', 'w', 'n', 'c',
    'n', 'n', 'b', 't', 'x', 'r', 'l', 'k', 'a', 'n', 'y', 'r', 't', 'n', 'e', 't',
    'u', 'u', 'p', 'g', 'u', 'e', 't', 'h', 's', 'y', 'c', 'i', 't', 'a', 't', 's',
    't', 'p', 'n', 'v', 'm', 's', 'i', 'z', 'e', 'o', 'f', 'x', 't', 'e', 'b', 'y',
    'c', 'z', 'n', 'l', 'y', 's', 'j', 'g', 't', 'n', 'y', 'a', 'f', 'x', 's', 'w',
    'u', 'z', 'v', 'f', 'o', 'h', 'r', 'n', 'j', 'r', 'o', 'v', 'l', 't', 't', 'a',
    'r', 'l', 'i', 'r', 'b', 'n', 'b', 'o', 'k', 'l', 'h', 'l', 'b', 'n', 'j', 'e',
    't', 'l', 's', 'z', 'w', 'b', 'l', 'l', 'f', 'w', 'n', 'x', 'e', 'l', 'b', 'k',
    's', 'x', 'b', 'q', 'b', 'h', 'k', 'q', 'd', 'o', 'h', 'q', 'd', 'd', 'p', 'r',
};

char *kwds[] =
{
}
```

Volume 10, Number 2 May 1985 3
main()
{
    char ray[8][SQSZ+1]; /*NUL-term ray buf for each direction*/
    register int ir, ic; /*row, column indices*/
    for (ir=0; ir<SQSZ; ir++)
        for (ic=0; ic<SQSZ; ic++)
            /*init ray bufs for this location*/
            loadray(ir, ic, ray);
        /*match C keywords against rays at this location, printing result*/
        match(ir, ic, kwd, ray);
    } /*end main()*/

loadray(ir, ic, ray)
int ir, ic;
char ray[][SQSZ+1];
{
    register char *p;
    register int jr, jc;
    for (p=ray[0], jr=ir, jc=ic; jr<SQSZ; jr++)
        *p++ = puz[jr][jc];
    *p = NUL;
    for (p=ray[1], jr=ir, jc=ic; jr>=0 && jr<SQSZ; jr--, jc++)
        *p++ = puz[jr][jc];
    *p = NUL;
    for (p=ray[2], jr=ir, jc=ic; jr>=0; jr--)
        *p++ = puz[jr][jc];
    *p = NUL;
    for (p=ray[3], jr=ir, jc=ic; jr>=0 && jc>=0; jr--, jc--)
        *p++ = puz[jr][jc];
    *p = NUL;
    for (p=ray[4], jr=ir, jc=ic; jc>=0; jc--)
        *p++ = puz[jr][jc];
    *p = NUL;
    for (p=ray[5], jr=ir, jc=ic; jr<SQSZ && jc>=0; jr++, jc--)
        *p++ = puz[jr][jc];
    *p = NUL;
    for (p=ray[6], jr=ir, jc=ic; jr<SQSZ; jr++)
        *p++ = puz[jr][jc];
    *p = NUL;
    for (p=ray[7], jr=ir, jc=ic; jr<SQSZ && jr<SQSZ; jr++, jc++)
        *p++ = puz[jr][jc];
    *p = NUL;
    return;
} /*end loadray()*/
The above program found 23 solutions to the puzzle in the February issue of ;login:. -Ed.

The USENIX Association Appoints an Executive Director

After an exhaustive and exhausting search of over 100 applicants, the USENIX Association Board of Directors is pleased to announce the appointment of Jim Ferguson as its Executive Director. Jim has a MBA degree in non-profit association management, a JD in law, and 24 years of experience managing a variety of organizations. Jim will report directly to the Board. He will be responsible for the smooth operation of the USENIX Association including: supervision of office services, management of the office staff, coordination of conference planning, and supervision of the newsletter, tape distributions and other member services. Jim will handle public relations for the organization, as well as other areas which were neglected in the past. Among Jim's primary responsibilities will be improvement of the quality of member services, especially the newsletter.

Responsibility for the association's office will be transferred in the next two months from the management firm of Penny Penny & Strong, which has been operating our office in El Cerrito under contract since 1982. PP&S is to be credited for its fine job of initially setting up the office and assuring its smooth operation until USENIX could assume internal responsibility for its day-to-day operations.

The addition of an Executive Director should significantly improve the functioning and effectiveness of the association by reducing its reliance on a band of well-meaning but generally over-committed volunteers.

Jim can be reached electronically at \{ucbvax,decvax\}@usenix@jim. He will be at the Portland Conference, where we hope you will take the opportunity to meet him.

USENIX Association Office Committee
Lou Katz
Debbie Scherrer
Tom Ferrin
Summer 1985 USENIX Conference

The Summer 1985 USENIX Conference and Vendor Exhibition will be on June 11—14 in Portland, Oregon. Conference headquarters will be at the Portland Marriott Hotel. The conference host is Tektronix, Inc. The Conference will feature tutorials, technical sessions, birds of a feather sessions, a vendor exhibit, proceedings, and a salmon bake dinner to celebrate USENIX's tenth anniversary. The USENIX Association wishes to thank Tektronix, Inc. for their financial contribution towards the Tenth Anniversary Celebration.

Conference Committee

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference Chair</td>
<td>Steve Glaser</td>
<td>Tektronix, Inc.</td>
</tr>
<tr>
<td>Program Chair</td>
<td>Greg Chesson</td>
<td>Silicon Graphics, Inc.</td>
</tr>
<tr>
<td>Program Committee</td>
<td>Eric Allman</td>
<td>Britton-Lee, Inc.</td>
</tr>
<tr>
<td></td>
<td>Steve Bourne</td>
<td>Digital Equipment Corp.</td>
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<tr>
<td></td>
<td>Sally Browning</td>
<td>AT&amp;T Bell Laboratories</td>
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<tr>
<td></td>
<td>Clement Cole</td>
<td>Masscomp</td>
</tr>
<tr>
<td></td>
<td>Thomas Ferrin</td>
<td>University of California, San Francisco</td>
</tr>
<tr>
<td></td>
<td>Steve Johnson</td>
<td>AT&amp;T Bell Laboratories</td>
</tr>
<tr>
<td></td>
<td>Kirk McKusick</td>
<td>University of California, Berkeley</td>
</tr>
<tr>
<td></td>
<td>Dennis Ritchie</td>
<td>AT&amp;T Bell Laboratories</td>
</tr>
<tr>
<td>Tutorial Coordinator</td>
<td>Michael Tilson</td>
<td>Human Computing Resources Corp.</td>
</tr>
<tr>
<td>USENIX Conference Coordinator</td>
<td>John Donnelly</td>
<td></td>
</tr>
<tr>
<td>USENIX Meeting Planner</td>
<td>Judith DesHarnais</td>
<td></td>
</tr>
<tr>
<td>Vendor Exhibition Manager</td>
<td>Peter Johnson</td>
<td>Industrial Presentations West, Inc.</td>
</tr>
<tr>
<td>Exhibition Technical Advisor</td>
<td>Randall Frank</td>
<td>University of Utah</td>
</tr>
<tr>
<td>Conference Host</td>
<td></td>
<td>Tektronix, Inc.</td>
</tr>
</tbody>
</table>

Schedule and Location of Events

Tutorials
Marriott and Hilton Hotels
Tuesday, June 11, 9am—5pm

Vendor Exhibition
Marriott Hotel
Tuesday, June 11, 12n—7pm
Wednesday, June 12, 12n—7pm
Thursday, June 13, 10am—5pm

Technical Sessions
Marriott Hotel and Civic Auditorium
Wednesday, June 12, 8:30am—4:45pm
Thursday, June 13, 8:30am—4:45pm
Friday, June 14, 9am—3:30pm

Meeting of the Board with the members
Marriott Hotel
Wednesday, June 12, 5pm—6:30pm

Birds of a Feather Sessions
Tuesday and Wednesday evenings

Software Tools Users Group
Marriott Hotel
Wednesday, June 12, 7pm—9pm

GO Tournament (tentative)
Wednesday, June 12

Tenth Anniversary Celebration
Alderbrook Park
Thursday evening
Tentative Tutorial and Technical Programs

TUESDAY, JUNE 11
9:00 - 5:00  Tutorials  Marriott and Hilton
UNIX System V Internals
Maury Back and Steve Buroff, AT&T Bell Laboratories
4.2BSD Internals
Kirk McKusick and Mike Karels, University of California, Berkeley
An Introduction to UNIX
Steve Pozgaj, Human Computing Resources Corp.
Software Contracts and Intellectual Property
Susan Nycum and James Marcellino, Gaston Snow & Ely Bartlett
UNIX Networking
Bruce Borden, Silicon Graphics, Inc.
Advanced C Programming
Walter Brown, Moravian College
Writing Portable C Programs
Tom Plum, Plum Hall, Inc.
UUCP, Mail and News
Mark Stein, Fortune Systems
Program Debugging under UNIX
Perry Kivlovitz, Auxco
UNIX Systems Administration
Ed Gould and Vance Vaughn, mt Xinu

12:00 - 7:00  Vendor Exhibition  Marriott
Evening  Birds of a Feather Sessions

WEDNESDAY, JUNE 12
8:30  Opening Announcements  Civic Auditorium
8:45 - 10:00  Keynote Address  Civic Auditorium
UNIX Evolution: Past, Present, Future
V. A. Vyssotsky, AT&T Bell Laboratories
10:00 - 10:30  Break
10:30 - 11:45  Electronic Darwinism  Civic Auditorium
Chair: Greg Chesson
11:45 - 1:15  Lunch
Preliminary GO tournaments (tentative)
1:15 - 2:45  Languages I  Civic Auditorium
Chair: Steve Johnson
Networking I
Chair: Mike Karels
2:45 - 3:15  Break
3:15 - 4:45  Languages II  Civic Auditorium
Chair: Steve Johnson
Networking II
Chair: Mike Karels
12:00 - 7:00  Vendor Exhibition  Marriott
5:00 - 6:30  Meeting of the Board with the members  Marriott
7:00 - 9:00  Software Tools Users Group  Marriott
Evening Birds of a Feather Sessions  
/ usr/group Technical Committee meeting  
Grand Finale GO Tournaments (tentative)

**THURSDAY, JUNE 13**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
</table>
| 8:30 - 9:45 | **Tools I**  
Chair: Dennis Ritchie  
Array Processing  
Chair: Nancy Blachman | Civic Auditorium |
| 9:45 - 10:15 | Break | Marriott |
| 10:15 - 11:45 | **Tools II**  
Chair: Dennis Ritchie  
Multiprocessing  
Chair: Gordon Bell | Civic Auditorium |
| 11:45 - 1:15 | Lunch | Marriott |
| 1:15 - 2:45 | **Operating Systems I**  
Chair: Kirk McKusick  
Interfaces  
Chair: Sally Browning | Civic Auditorium |
| 2:45 - 3:15 | Break | Marriott |
| 3:15 - 4:45 | **Windows**  
Chair: Rob Pike  
**Operating Systems II**  
Chair: Tom Ferrin | Civic Auditorium |
| 10:00 - 5:00 | Vendor Exhibition | Marriott |
| Evening | Alderbrook Indian Salmon Bake  
Tenth Anniversary Celebration | Alderbrook Park |

**FRIDAY, JUNE 14**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
</table>
| 9:00 - 10:30 | **Performance I**  
Chair: Clem Cole  
**Hard Work I**  
Chair: Eric Allman | Civic Auditorium |
| 10:30 - 11:00 | Break | Marriott |
| 11:00 - 12:30 | **Performance II**  
Chair: Clem Cole  
Mail  
Chair: Eric Allman | Civic Auditorium |
| 12:30 - 2:00 | Lunch | Marriott |
| 2:00 - 3:30 | **Hard Work II**  
Chair: Greg Chesson  
Compiler Optimization  
Chair: to be announced | Civic Auditorium |

For more information see the pre-registration packet mailed in April or contact:

USENIX Conference Office  (213) 592-1381 or 592-3243  
P.O. Box 385  
Sunset Beach, CA 90742
Call for Memorabilia for the Summer '85 Conference

The 1985 Summer Conference will celebrate ten years of UNIX meetings. An attractive and nostalgic exhibit/event is planned. Anyone with photos, recordings or other memorabilia which they can share should contact Lou Katz at (415) 642-4972 or ucbvax!lou.

Representation to IEEE P1003 "UNIX Standards" Committee

John Quartermann of the University of Texas at Austin has agreed to represent the USENIX Association to the IEEE P1003 "UNIX Standards" Committee. John will attempt to communicate information to and determine the position of the USENIX membership on issues before the committee, and he will cast the USENIX vote. USENIX Board member Mike Tison of Human Computing Resources Corp. will continue to serve as administrative liaison between the committee and the Board.

John will report to the membership at USENIX conferences and in login. He may be reached at:

Computer Science Department
Painter Hall, Room 1.4B8A
University of Texas
Austin, TX 78712

/usr/group Technical Committee Forming at Portland

The /usr/group Standards Committee has recently merged with the IEEE P1003 Standards Committee to continue work on defining an appropriate interface to UNIX for applications programs. /usr/group is now forming a new Technical Committee to:

1. represent the interests of /usr/group members to their institutional representative on the IEEE P1003 Committee (Heinz Lycklama), and

2. generate discussions and proposals of technical issues in order to promote the acceptance of UNIX-based and UNIX-like systems in the computer industry.

The committee is intended to complement the efforts of the IEEE committee by concentrating on technical issues for which there is no consensus in the industry.

The Technical Committee will be sponsored by /usr/group; however, membership will be open to those with a bona fide interest in the goals of the committee.

The Technical Committee will be holding its first organizational meeting in conjunction with the USENIX Summer Conference in Portland. It is scheduled to be a birds of a feather session on Wednesday evening, June 12. The three topics to be addressed at the meeting are:

- networking
- internationalization
- graphics

Some proposals will be generated and discussed at the meeting. Conference attendees are invited to attend and to join the committee.

You can also express your interest in the committee and obtain further information from:

Heinz Lycklama
Chair, /usr/group Technical Committee
Interactive Systems Corporation
2401 Colorado Avenue, 3rd Floor
Santa Monica, CA 90404
The UUCP Mapping Project: One Year Later

Karen Summers-Horton
Coordinator
USENIX UUCP Project

In April 1984, the USENIX Association funded for one year a project to collect, edit and disseminate network connection data for the UNIX "uucp Project". The project was ambitious from the beginning and involved coordinating volunteers from various parts of the world to collect, standardize, update, and distribute current network connection information for UUCP sites.

The initial data collection effort was accomplished by Rob Kolstad of Convex Computer Corp. and Scott Bradner and others at Harvard University. This phase was completed by May 1984. The initial database underwent many transformations to standardize the format, weed out obviously false data, and divide the data into geographical regions for easier dissemination and maintenance. During this time a recruitment effort took place, searching for volunteers to assist in the massive task of verifying all the information and keeping the "map" up-to-date. The UUCP network was divided into nine geographical regions and a central mailing address for updates was set up (cbosgd/uucpmap).

In June 1984, a number of project personnel met in Salt Lake City, Utah, at the annual Summer USENIX Conference. Progress reports were presented during one of the general conference sessions, and a "birds-of-a-feather" meeting was also held to openly discuss ideas pertaining to the project.

Also in June, the UUCP Sitename Registry was established by Lauren Weinstein (vortex/registry). The purpose of the registry is to resolve and prevent site name conflicts (UUCP site names must be distinct within the first six characters of the host name).

In July 1984, volunteers prepared for the posting of the UUCP map data to Usenet. This posting began in August 1984 and continued for several weeks. This first database posting was rather problematic, taking much longer than originally planned because of logistics in coordinating postings from different parts of the world. Nevertheless, several benefits were derived from this posting. Most importantly it gave many sites access to network connection data that previously had been either completely unavailable or available but poorly organized. Secondly, it gave the project volunteers some good ideas about how to attempt future postings of the map. Lastly, it made the UUCP community much more aware of the existence of our efforts. Because of this posting, we were able to receive many updates to the original database. Much of August 1984 was spent integrating updates into the database and, as a result of the great volume of new sites, re-aligning the geographical regions somewhat and adding a new region.

The next complete posting of the UUCP map took place on January 8th and 9th, 1985. In order to make the database more readable and provide for easier maintenance, while still keeping the data reasonably compact, significant format changes were made in this posting. The new and still used format is:

```
#N     name of site
#S     system type
#O     organization
#c     contact person
#e     contact person’s electronic address
#t     contact person’s telephone number
#p     organization’s address
#l     latitude and longitude
#r     remarks
#w     who last edited the entry and when
#
```

sitename connection(FREQUENCY), connection(FREQUENCY), connection(FREQUENCY)

The different connection frequencies and implied connection costs are as follows:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCAL</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>DEDICATED</td>
<td>95</td>
<td></td>
</tr>
<tr>
<td>ARPA</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>
DIRECT  200
DEMAND  300
HOURLY  500
EVENING 1800
DAILY  5000
WEEKLY 30000
DEAD INF/2

Also, late in 1984, the project began to use USENIX Association’s VAX-11/730 computer located in El Cerrito, California, as a central repository for the UUCP map database. Currently our maintenance volunteers update this central database on the first and fifteenth of every month.

A status report on the mapping project’s progress was presented to attendees of the 1985 Winter USENIX Conference held in Dallas, Texas, in January.

In late February 1985, we announced a network of about a dozen UNIX machines around the country that have volunteered to keep up-to-date copies of the UUCP map on their machines and make these copies available to the general UUCP public. Also, in February, Mark Brader added latitude and longitude information for nearly all sites in the database.

Our map maintenance volunteers have devoted a considerable amount of time and energy over the past year. These people are: Rick Adams, Rick Kiessig, Doug McCallum, Teus Hagen, Piet Beertema, Bill Welch, Michael Brochstein, Bill Blue, Bret Marquis, Gordon Moffett, Greg Fowler, Lauren Weinstein and Gary Murakami.

Future plans and goals include: 1) another complete posting of the map in late April or early May 1985, 2) incorporation of the Usenet directory into the UUCP map database (hopefully this will be done in time for the next posting), and 3) plans to set up a continuous posting system, utilizing the mod.map.uucp newsgroup. It is planned that a different section of the map will be posted every three days, resulting in the complete map being posted every month. Also, since the temporary funding support by the USENIX Association has now expired, the project will be shifting to an entirely volunteer effort.

Comments and suggestions concerning the UUCP Mapping Project can be sent to cbosgd1ksh.

Summary of USENIX Board of Directors Meeting
Dallas, Texas
January 21st, 22nd and 25th, 1985


Guests at various times: Judy DesHarnais, Charisse Castagnoli, John Donnelly, Betty Madden, Karen Summers-Horton, Mark Horton.

Minutes of the Preceding Board Meeting

The minutes of the Golden, Colorado Board meeting held October 9th and 10th, 1984 were accepted as amended.

Executive Director

The position had been advertised and approximately 100 applications received. It was hoped that an appointment could be made before the next Board meeting. There was considerable discussion of benefits, and it was decided to seek outside expert help. There was discussion of the criteria for the post, and it was decided to re-advertise.
Newsletter Status Report

All six issues were produced in 1984, and things seemed to be going well. Brian Redman is doing an excellent job as Technical Editor.

Dallas Meeting

Matters affecting the immediate meeting were dealt with—lack of copyright release on papers; increased size of Proceedings; last minute schedule changes. Charisse Castagnoli said Rob Kolstad had formatted the Proceedings at very short notice, and had done an excellent job. A formal vote of thanks to Charisse Castagnoli and Rob Kolstad was proposed and seconded unanimously.

DesHarnais and Donnelly joined the meeting, giving a report on preregistration. 1500 rooms had been reserved at the Fairmont, and this number had already been exceeded. Complimentary registration for speakers was discussed, and it was resolved that at future meetings budgeted for more than 750 attendees, one speaker per paper would get full complimentary registration.

There had been sufficient problems organising the licensed tutorials that Tilson recommended not having them in the future, relying only on unlicensed tutorials.

Distribution Tape Status Report

mt Xinu kindly donated the Berkeley 4.2BSD buglist to USENIX, and it was included on the distribution tape. The 84.2 tape was duplicated and copies were sitting in the office waiting for shipping. Some submissions had been received for the next distribution tape, 85.1.

Office Report

There was discussion of space, staffing, and overtime. Betty Madden joined the meeting: the USENIX booth at the Anatole Hotel was very busy; the workload due to distribution of the 4.2BSD manuals was heavy; it was decided that a maintenance contract should be obtained for the computer.

Office Computer

Disk space is getting short; the integrated controller can not handle more drives; the UDA50 route is expensive. No solution yet.

QMS had agreed in principle to donate a QMS800 laser printer. Ferrin was to follow up.

UUCP telephone costs were largely due to the mapping project.

UNIX Manuals

The second printing was under way: various improvements have been incorporated, errors and omissions fixed, and a copyright notice added. It would not be affected by the release of 4.3BSD, which consisted largely of performance enhancements. Ferrin was asked to present a financial summary for the first printing at the next Board meeting.

Workshops

There were 55 attendees at the Graphics Workshop organised by Katz and Bornholtz. It appeared to be successful, and probably should be repeated in the future, but at a better site. DesHarnais presented a financial summary for the meeting, which did not include the cost of the Proceedings.

The Communications Workshop was cancelled, resulting in a financial liability to the hotel. It was agreed that two workshops per year should be organised, with better administrative support. Many topics were suggested. Nemeth was asked to publish information in ;login:;
IEEE Standards Committee

Tilson had been asked to represent USENIX, and be its official liaison person. After some discussion, it was agreed that Tilson should be the liaison, accept the right to vote, but abstain until policy has been determined at the next Board meeting.

Satellite Experiment

There was much discussion of the project, including legal issues, but nothing was resolved before the meeting adjourned at 6pm. After reconvening at 9.15am Tuesday, Johnson said that discussion over dinner had clarified many of the issues concerning moderation of netnews—basically, satellite transmission would allow unmoderated news, but the present telephone based system would probably be adequate for a moderated news system.

Katz was asked to chair a committee to generate a firm proposal for the future of the satellite/netnews issue.

Financial Report

Wedel presented a financial report; various items were questioned and resolved, and it was agreed that the statement should be published in the February issue of ;login:.

Publication of Papers

Johnson had talked to the editor of Software Practice and Experience, who agreed to publish 5 or 6 refereed papers from the Portland (Summer 85) Conference.

Future Meetings

Portland

Responsibilities were assigned for the meeting. Only a small number of vendors had signed up—follow up was needed. Steve Bourne had resigned as Technical Chair of the Portland meeting, his place being taken by Greg Chesson. A schedule was agreed upon. It will be the tenth anniversary of the first meeting of UNIX enthusiasts.

Anaheim, January '86

As there is no available hotel space in Anaheim for a meeting in conjunction with UniForum, it was thought necessary to look for alternative sites—the Marriott and Fairmont Hotels in Denver are available. After some discussion of meeting at a site remote from UniForum, a proposal emerged to hold a meeting in Denver based on a topic or theme for each day of a three day conference, to be proceeded as usual by tutorials. Many topics surfaced quickly.

Tilson was asked to write an article for the February issue of ;login: explaining why the Association will meet in Denver in January '86, rather than in Anaheim.

The tentative meeting schedule was set as follows:

June 9-13, 1986  Atlanta
Winter, 1987     San Diego or Anaheim
June 8-12, 1987  Phoenix
Winter, 1988     not yet scheduled
Summer, 1988    Philadelphia?
Summer, 1989    San Francisco?
UUCP Project

Karen Summers-Horton and Mark Horton presented written reports. Ferrin and Scherrera were asked to make a status report in ;login:, look at all issues, and report back to the Board.

Insurance

The Association has purchased insurance covering errors and omissions. Scherrera was asked to have an understandable summary prepared.

Publications Available

The following publications are available from the Association Office or the source indicated. Prices and overseas postage charges are per copy. California residents please add applicable sales tax. Payments must be enclosed with the order and must be in US dollars payable on a US bank.

USENIX Conference Proceedings

<table>
<thead>
<tr>
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<th>Location</th>
<th>Date</th>
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<th>Overseas Postage</th>
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<td>Winter '83</td>
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USENIX Association /usr/group
P.O. Box 7 4655 Old Ironsides Dr., #200
El Cerrito, CA 94530 Santa Clara, CA 95050

EUUG Publications

The EUUG Newsletter, which is published four times a year, is available for $4 per copy or $16 for a full-year subscription. The earliest issue available is Volume 3, Number 4 (Winter 1983).

The July 1983 edition of the EUUG Micros Catalog is available for $8 per copy.

Local User Groups

The USENIX Association will support local user groups in the United States and Canada in the following ways:

- Assisting the formation of a local user group by doing an initial mailing for the group. This mailing may consist of a list supplied by the group, or may be derived from the USENIX membership list for the geographical area involved. At least one member of the organizing group must be a current member of the USENIX Association. Membership in the group must be open to the public.

- Publishing information on local user groups in ;login: giving the name, address, phone number, net address, time and location of meetings, etc. Announcements of special events are welcome; send them to the editor at the USENIX office.
Please contact the USENIX office if you need assistance in either of the above matters. Our current list of local groups follows.

In the **Boulder** Colorado area a group meets about every two months at different sites for informal discussions.

Front Range Users Group  
N.B.I., Inc.  
P.O. Box 9001  
Boulder, CO 80301  
Steve Gaede (303) 444-5710  
hao!nbires!gaede

Dallas/Fort Worth UNIX User's Group  
Advanced Computer Seminars  
2915 L.B.J. Freeway, Suite 161  
Dallas, TX 75234  
Irv Wardlow (214) 484-UNIX

In the **Washington, D.C.**, area an informal group meets every two months or so. The current contact is:

Neil Groundwater (703) 893-6140  
Analytic Disciplines, Inc.  
Suite 300  
8320 Old Courthouse Road  
Vienna, VA 22180  
npg@lbl-csam

In the **New York City** area there is a non-profit organization for users and vendors of products and services for UNIX systems.

Unigroup of New York  
G.P.O. Box 1931  
New York, NY 10116

In **Minnesota** a group meets on the first Wednesday of each month. For information contact:

UNIX Users of Minnesota  
Carolyn Downey (612) 934-1199

In the **Atlanta** area there is a group for people with interest in UNIX or UNIX-like systems:

Atlanta UNIX Users Group  
P.O. Box 12241  
Atlanta, GA 30355-2241  
Marc Merlin (404) 255-2848  
Mark Landry (404) 874 6037

In the **Seattle** area there is a group with over 150 members, a monthly newsletter and meetings the fourth Tuesday of each month.

Seattle/UNIX Group  
P.O. 58852  
Seattle, WA 98188  
Irene Pasternack (206) FOR-UNIX  
wu-beaver!tikal!ssc!slug

An informal group is starting in the **St. Louis** area:

St. Louis UNIX Users Group  
Plus Five Computer Services  
765 Westwood, 10A  
Clayton, MO 63105  
Eric Kiebler (314) 725-9492  
lnhp4!plus5!slug

In the **northern New England** area is a group that meets monthly at different sites. Contact one of the following for information:

Emily Bryant (603) 646-2999  
Kiewit Computation Center  
Dartmouth College  
Hanover, NH 03755  
decvax!dartvax!emilyb

David Marston (603) 883-3556  
Daniel Webster College  
University Drive  
Nashua, NH 03063

A new UNIX/C language users group has been formed in **Tulsa**. For current information on meetings, etc. contact:

Pete Rourke  
$USR  
7340 East 25th Place  
Tulsa, OK 74129
Portland Meeting and
USENIX Tenth Anniversary Celebration

UUCP Mapping Project

New Executive Director

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Change of Address Form

Please fill out and send the following form through the U.S. mail to the Association Office at the address above.

Name: __________________________ Member #: __________

OLD: __________________________ NEW: __________

Phone: ________________________

uucp: {decvax,ucbvax}!