

- UNIVERSITY RESIDENCE HALLS
- |                 |                          |
|-----------------|--------------------------|
| 1 ALLEN         | 16 LINCOLN AVE RESIDENCE |
| 2 ALPHA HOUSE   | 17 LUNDGREN              |
| 3 BABCOCK       | 18 NOBLE                 |
| 4 BARTON        | 19 OGLESBY               |
| 5 BLAISDELL     | 20 SAUNDERS              |
| 6 BUSEY         | 21 SCOTT                 |
| 7 CARR          | 22 SNYDER                |
| 8 CLARK         | 23 TAFT                  |
| 9 DELTA HOUSE   | 24 TOWNSEND              |
| 10 EVANS        | 25 TRELEASE              |
| 11 FORBES       | 26 VAN DOREN             |
| 12 FRENCH HOUSE | 27 WARDALL               |
| 13 GAMMA HOUSE  | 28 WESTON                |
| 14 GARNER       |                          |
| 15 HOPKINS      |                          |

# University of Illinois at Urbana-Champaign

Graduate College  
CENTER FOR ADVANCED COMPUTATION  
Urbana, Illinois 61801

TELEPHONE: 693 1122



## BASSER DEPARTMENT OF COMPUTER SCIENCE

School of Physics (Building A28),  
University of Sydney, N.S.W. 2006

22nd March, 1977

Professor Melvin Ferentz,  
Physics Department,  
Brooklyn College at CUNY,  
Brooklyn,  
NEW YORK. 11210

Dear Professor Ferentz:

We are in the process of evaluating a system to support student terminal usage as the practical part of their computer science course.

Naturally enough we are concentrating our hopes on a UNIX system running on a PDP 11/70.

Our benchmark tests are somewhat restricted by the lack of large 11/70 configuration in our area, and we are hoping that someone somewhere has some pertinent information already available.

We are thinking in the range of 32+ terminals, most of whose users will be running the same program at any one time.

Has anybody any figures for this type of load - response time, disk traffic, memory size? What sort of line printers are suitable - with/without DMA controllers? How many disk controllers/drivers - RP06, RP04, or of other manufacture? What are the bottlenecks, if any? Have there been problems with reliability?

We would very much appreciate details of real experience.

Help us get free of KRONOS:

P.S. We are hoping you can include this plea for information in the next issue of UNIX News.

Yours sincerely  
*Piers Dick-Lauder*  
Piers Dick-Lauder

March 15, 1977

Prof. Mel Ferentz  
Department of Physics  
Brooklyn College of CUNY  
Brooklyn, New York 11210

Dear Mel:

This letter is to confirm that they Unix Users' Meeting will be held at the Coordinated Science Lab, in the Main Lecture hall on Thursday, Friday, and Saturday, May 19-21. Enclosed is a map of the campus showing the lab location.

People who fly into Champaign-Urbana can take a limousine to Campus for about \$3.00.

Accommodations:

Century 21 Hotel 203 E. John 217/384-2100  
Illini Union 217/333-1241

Those are both within walking distances of the Lab.

News on the particular sessions to follow.

If you have any questions please call 217/333-8469.

Cheers,

*Steve Holmgren*

Steve Holmgren

SH/sb

Enclosure

# THE UNIVERSITY OF NEW SOUTH WALES

P.O. BOX 1 • KENSINGTON • NEW SOUTH WALES • AUSTRALIA • 2033  
TELEPHONE 663 0351  
EXTN.



PLEASE QUOTE JL:AM

11th. March, 1977

## SCHOOL OF ELECTRICAL ENGINEERING.

Professor Melvin Ferentz,  
Brooklyn College of CUNY,  
Brooklyn, N.Y.  
U.S.A. 11210

Dear Professor Ferentz,

A second meeting of UNIX users in Australia was held on February 18th, at the University of New South Wales, with an attendance of about 30 people.

During the six months since the first meeting, progress in adapting UNIX to our needs has been steady but, for the most part, not spectacular. With most installations being used to capacity, future progress will be very much tied to further hardware acquisitions. The news about UNIX is spreading and we know of several other University groups who are currently corresponding with Western Electric.

There was one item of business which will be of general interest. The Department of Computing Science at the University of Wollongong which possesses an Interdata 7/32 computer, has recently discovered the true path, and Richard Miller reported on his progress in adapting UNIX to run on their machine.

Stage One, to adapt the "C" compiler to produce Interdata object code has been successful, and apart from the compiler itself, the editor was the first program recompiled and put into service. In stage two the normal UNIX environment for user programs was instituted on a "simulated machine" running under the Interdata OS/MT operating system. Stage Three, which will eliminate the remaining vestiges of Interdata software, should be completed within about two months. The one really significant problem remaining will be how to liberate all those programs still written in Assembler. It therefore appears that UNIX may soon have a new claim to fame as a portable operating system.

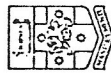
By general agreement the meeting was successful and the third of the series will be held in July or August.

Yours sincerely,

*John Lions.*  
John Lions.

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## SCHOOL OF ELECTRICAL ENGINEERING.

PLEASE QUOTE JL:AM

11th. March, 1977.

Professor Melvin Ferentz,  
Brooklyn College of CUNY,  
Brooklyn, N.Y.  
U.S.A. 11210

Dear Professor Ferentz,

I wish to announce the existence of a detailed commentary on the UNIX operating system (i.e. the UNIX resident nucleus), which I have written and which should be of interest to many UNIX users.

The commentary was prepared originally to enable my student<sup>s</sup> to use UNIX as an operating system case study, wherein the complete source of the resident code is investigated. The first version of the commentary is now being revised and extended and the second version will be issued in book form. The provisional publication date is May, 1977.

### Details

There are two volumes of approximately 100 pages each. They will be produced by offset printing on size A4 paper after a 25% reduction from 11" x 14" originals printed on a computer terminal.

The first volume, "UNIX Operating System Source Code, Level Six" is an edited version of the resident code appropriate to a PDP11/40 with RK05 disks, PCl1 paper tape reader/punch, LPl1 line printer and KL11/DL11 terminal interfaces. A cross-reference is included.

The second volume, "Notes on the UNIX Operating System", contains a detailed commentary on the contents of the first volume. There are twenty-six chapters, including a review of the PDP-11 architecture, a tutorial in reading "C" programs, and some suggestions for student exercises. Two indices are included for reference purposes.

The cost for a single set (two volumes) will be \$A10.00, plus postage. Postage costs from Australia based on a packet weighing 650 grams are as follows:

Air-mail (all countries) : \$A7.70

Surface Air Lifted (two to three weeks delivery time, to U.S.A. UK, West Germany and Italy only) : \$A3.40

Surface mail (not recommended) \$A2.15.

I would invite anyone covered by a UNIX licence who is interested in obtaining a copy, to write to me as soon as possible so that the size of the print order can be determined. Prepayment is requested, with cheques made out to "School of Electrical Engineering, University of New South Wales". Currently, \$A1.00 = \$US1.10. A declaration that the recipient is covered by a UNIX licence should be included. Reduced prices for bulk orders should be possible if the total demand is large enough.

Yours sincerely,

*John Lions.*  
John Lions.