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# Computer and Information Services

Naval Postgraduate School

Monterey, California

August 22, 1994

B U L L E T I N

## Networking

### *Dialing In Requires Center Account*

To improve network security, the Computer Center has installed a new software product called TACACS (terminal access). As a result, dial-up access procedures have changed. The planned implementation date is Monday, 22 August 94.

Upon implementation, the generic password previously used for the server (TSB - modem phone number 656-2709) will no longer work. TACACS will ask for a login name and password verification for dial-up access. Once into the terminal server, a user will have normal network access as previously.

What does this mean? Everyone who wishes to access the mainframe, Computer Center Unix, or the campus network, via modem dial-up, must have a Computer Center UNIX account.

Users with UNIX accounts in other departments can maintain the same login name and UID they have in their departments or tenant activities, but they must still acquire a Computer Center UNIX account for dial-up access from home or other locations.

For easier computing, it is recommend-

ed that these users maintain a single UID at the Center and the department. Users with departmental accounts should find out their UID prior to establishing the Center account by typing

`id -a`

at the departmental account, or by contacting the departmental system administrator.

For security reasons, users must get their Center accounts in person, not by telephone or e-mail. Users who already have a Center UNIX account do not have to take any

action. Accounts must be obtained from Irma Bozardt, In-147, x2731. Other questions may be directed to Hiram Cooke at x-3662, or e-mail to

`cooke@nps.navy.mil`.

DMDC East personnel are not affected by this change; DMDC West personnel are requested to contact Craig Cholar.

For those using SIMPC or Kermit to access the mainframe or UNIX systems, new batch files and scripts have been developed. If (by some chance) you are reading this before 22 August, you can download them from the Unix gopher; see the article *Download to PC from Unix Gopher* on page 4. After that date, see Irma Bozardt, In-147 for new scripts. The POC for SIMPC is Chris Essert at x-3121, or e-mail to

`essert@nps.navy.mil`.

Neil Harvey `harvey@nps.navy.mil`

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## Internet Hands-On Workshop

This is to draw attention to a new workshop first given by the Computer Center at the beginning of this quarter. (Incidentally, it was developed as a direct result of a student suggestion—so keep those cards and letters coming, folks!) Attendance at the workshop was so good that we will be giving it again this quarter:

In-146 25 August 1400-1600 Internet Workshop

It's a workshop, not a talk; you can arrive at any time during the posted hours, and work at your own pace. When you arrive, you receive exercises demonstratingarchie, gopher, xmosaic, Usenet, and ftp, to browse and search the Internet. Several Center staff will be on hand, for those occasions when the Internet doesn't behave as advertised.

As an example, here's the Usenet exercise. Like the others, it doesn't try to cover too much in one lesson; the emphasis is on having something work. Since you aren't following a class, you can explore as little or as much as you like along the way.

### Usenet via xvnews

Usenet is the system of discussion groups where you read and send questions, comments, answers, etc. to tens of thousands of people like yourself, on serious (and not-so-serious) topics. This being NPS, let's look at some areas that may help you in your thesis research. Type

**xvnews**

Everyone starts up with access (called a subscription) to two groups: news.announce.newusers, and news.newusers.questions. For practice, let's have a look at the first one. Click the left mouse button on Read Group, one of the buttons on the lower half of the xvnews window. You're automatically shown the first message in the group. You can read through an article by moving the slider on the right side of the window. When you're finished with an item, you can read another by double clicking on it in the list of items in the upper third of the xvnews window. Notice that once you've read an item (even if you only read part of it), it's marked [read]. Answers to Frequently Asked Questions is one of the more useful articles to read.

The buttons below the list of articles are fairly self-explanatory. You'd click *unsubscribe* if you no longer wanted to be shown articles from a particular group.

You shouldn't Post/E-mail to a group until you've read the group for a while, and seen what is discussed. Many groups have many dozens of postings per day, and thousands of readers; you can waste the time of a lot of people if your posting is inappropriate.

So how do you find a useful group? Click on *Done* to exit this group. To search for a group, hold down the right mouse button on *view groups*. Move the cursor to *All matching groups...* and release the mouse button. Move the cursor into the search window. Some group names aren't too hard to figure out. Let's try mechanical engineering, for example. Type *mech* after search string:, and click the left mouse button on *view groups*. The main xvnews window will show (among others) sci.engr.mech. Click on the words to highlight them. Note that there are several hundred articles in this group. Click on the button labelled *goto group*. You're shown the most recent article. You can use the slider on the top third of the window to see what sort of subjects this group tends to attract. Click *done* when you're finished.

Notice that Clicking *goto group* does not subscribe you to the group. If, after looking at the group, you want to subscribe, you have to repeat the search process described above, and click on *subscribe* instead of *goto group*.

M.E. is (comparatively) easy. Let's try something more challenging. How about Admin. Sci. or Systems Mgmt.? Do you think those titles would appear in a group name? Think again. Let's try "economics". We'd search for *econ*, since group names tend to use abbreviations. Have a look at those. Any others? I couldn't find any. Usenet covers a lot, but not everything. (Gopher points the way to some business discussion groups on Bitnet.)

Larry Frazier frazier@nps.navy.mil

## Searching with Veronica

[Ed.: First a quick summing-up of Internet searching: Archie searches the whole Internet, but finds only file names. Veronica doesn't search anything that isn't in a gopher. Also, there's Jughead, which is like Veronica,

except it searches only what's in the local gopher. And there's WAIS, which searches the contents of a very large general-info database.]

Veronica (Very Easy Rodent-Oriented Net-wide Index of Computerized Archives) really is one of the easiest niftiest tools to use to search through the Internet. It searches through all of "gopher-space," a collection of approximately 10 million items distributed across about 5500 gopher servers.

Veronica finds items by searching gopher titles; it does not search the text of files.

### Connect to Veronica

There is a connection to Veronica in the NPS gopher server. From the mainframe or most Unix systems, type

```
gopher
```

If that doesn't get you into gopher, try

```
gopher peacock.nps.navy.mil
```

Or you can use mosaic. If you don't get peacock, the NPS gopher server: from your mosaic session OPEN gopher//:peacock.nps.navy.mil

From gopher or mosaic, a menu like this will appear.

```
Internet Gopher Information Client 2.0 pl8
```

```
Root gopher server: peacock.nps.navy.mil
```

1. Introduction to the NPS Gopher/
2. Dudley Knox Library/
3. Computing Resources/
4. Registrar/
5. Academic Departments/
6. Newsletters/
7. Other Gopher Servers/
8. Military Information Sources/
9. \*\*\*\* SEARCH \*\*\*\*/

```
Press ? for Help, q to Quit, u to go up a menu Page: 1/1
```

Move your cursor down to SEARCH, and press the enter key. This will open the SEARCH directory. Then select

```
Gopherspace Sites to Search ----> Veronica/
```

This will open a menu of servers for searching the Internet. Select one of these servers. Some of these servers will search only the *directory* titles, and some will search *all file titles* in gopher-space.

### Conducting the search

Once you have selected a server, a dialog box will open into which you can enter a keyword. Type in the string you are looking for (veronica is not case-sensitive) and

hit the enter key.

The server you select may be busy and suggest you try again later. Don't give up too quickly. Veronica servers have a set number of users which can be connected at any given point. Either try another server, or wait a minute and try that server again.

Veronica goes well beyond searching for single keywords. Multiple-word searches can be done by using AND, NOT, OR, (, and ). For example, entering "military intelligence" in the dialog box will find all items with that string. Entering "military and intelligence" yields a menu of items with the two words "military" and "intelligence" anywhere in the title. Using the or operator would give all titles with either military or intelligence in the title.

The veronica directory has a file, How to Compose Veronica Queries, which describes the many ways you can formulate searches. Read this file for more details.

*Helen Davis davis@nps.navy.mil*

## Where to Get Info

The Computer Center maintains online software information for

- the UNIX network,
- the Vis Lab (In-148) ,
- the Micro Lab (In-151), and
- the mainframe system,

which can be accessed from the public terminal rooms around campus, from the campus network, or via dial-up. The files list software products that are available, present a short narrative description, advise how to get more information, and show how to invoke the products.

### UNIX:

To invoke the help file: at the UNIX prompt, type

```
software
```

A copy of the file is also maintained in gopher, the campus information system. To see it, from the UNIX prompt, type:

gopher  
and select  
Computing Resources  
W. R. Church Computer Center  
Computer Center Suns  
Software Available on the Suns

### *Vis Lab Information in Gopher*

Type:  
gopher  
and then select  
Computing Resources  
W. R. Church Computer Center  
Visualization Laboratory  
Hardware and Software List

### *Micro Lab (In-151) Info in Gopher*

Type:  
gopher  
then select  
Computing Resources  
W. R. Church Computer Center  
Learning Resource Centers  
Software available in Ingersoll 151

### *Mainframe*

A mainframe software information file is available by logging on to the mainframe and typing:

software  
Mainframe information is also available in Gopher.  
Type:  
gopher  
and select:  
Computing Resources  
W. R. Church Computer Center  
Mainframe  
Software  
(the document of interest)

### *Presentations:*

At the beginning of each quarter the Computer Center presents many talks to acquaint new users with the computing resources available at NPS. To read talk information: on Computer Center UNIX workstations, at the UNIX prompt type:

talks  
This information is also maintained in gopher. Type:

gopher  
and select  
Computing Resources  
Computer Services Talks ... Qtr 199\_  
The talk help file is available on the mainframe by typing:  
news  
Find the Talks article by typing  
/talks  
or scroll forward with the PF8 key. Use PF3 to exit.  
*Neil Harvey harvey@nps.navy.mil*

## PC News

### *New Anti-Virus Software*

The NPS license for the McAfee anti-virus software will expire on 31 August 94. Effective that date, NPS will no longer be authorized to use it for scanning or cleaning a virus on PC computers or floppy disks (unless you have purchased a personal copy or license).

A license has been purchased from Command Software Systems for menu driven software: F-PROT for PCs, and NET-PROT for Banyan and Novell networks at NPS. Jeff Franklin, the NPS ADP Security Officer, will begin distribution of this software on 1 August. He may be reached at x-2469 or e-mail at [jfranklin@nps.navy.mil](mailto:jfranklin@nps.navy.mil). If you manage a network: he will want a count of how many machines will be using it. Students: to get your copy (you can use it at home) of the software, see your curric. officer.

*Neil Harvey harvey@nps.navy.mil*

### *Download to PC from Unix Gopher*

One unique advantage of using Gopher on the UNIX systems (as opposed to using Gopher on the mainframe) is that UNIX Gopher allows you to directly download to your PC any file that you may be viewing by simply pressing D (capital D). As an important example and by way of illustration, let's see how to download the new script files for SimPC and Kermit which you will need if you are using SimPC to access our mainframe computer or if you are using Kermit to access the UNIX workstations here at NPS. (Please note that it would be

a very good idea to download these script files before 22 August, when the logon procedure for accessing any of the NPS computers changes if you are using the phone number 656-2709 to dial in from home, or if you are using the built-in scripts from the SimPC/Kermit floppy diskette which Irma Bozardt has distributed since the start of this year. If, by the time you read this, it is past August 22, you won't be able to logon to the NPS computers using the old script files, but you can still borrow an updated SimPC/Kermit floppy disk from Irma in IN-147 and re-install SimPC and Kermit onto your PC.)

So: to download from UNIX to your PC: after logging onto UNIX from your PC at home, invoke Gopher by typing

```
gopher
```

at the UNIX prompt. The main menu of Gopher will then appear. Select

```
Computing Resources
```

and within that menu, select

```
Networking and Telecommuting
```

On the next menu, find and select a choice like "New SimPC and Kermit scripts for TACACS" or "New scripts for dialing in from home" or something to that effect. You'll see a list of the various script files which you need to download.

Let's start with the second menu item, #2, a batch file called '22August.' (The very first menu item is a copy of this document that you're reading right now; check the file for last minute update info.) To download the batch file to your home PC, move the cursor arrow to it and press the single letter **D** (yes, it does have to be upper case!) You will then be presented with a list of download methods; type **5** to select Kermit. (I'm assuming that you're using the MS-DOS version of Kermit as the communications software on your PC; that's the program which Irma Bozardt has distributed on floppies since 1 January 1994).

As soon as you type '5,' Kermit will prompt you to "Start your download now...." This means that you should press Alt-s (that's the Alt key and the lower-case letter 's' pressed together at the same time) to temporarily exit to the communications program running on your PC, in this case "MS-Kermit." At the "MS-Kermit>" prompt, enter the command

```
receive
```

to initiate the file transfer from UNIX to your PC. When the file transfer has completed, the "MS-Kermit>" prompt will re-appear at the bottom of your screen, whereupon you should type the letter 'c' and then press the Enter key in order to "connect" back to UNIX. (Pay no attention to the misleading message "Download could not be completed, sorry..." —rest assured that the file has indeed been successfully and completely downloaded to your PC. However, you will need to press the <RETURN> key (the Enter key) to get back to your previous Gopher menu.)

(If you're not sure whether the file downloaded correctly or not, you can always press the key combination 'Alt-d' in order to temporarily exit to DOS so that you can verify that the file did indeed make it into either the \Kermit or \MSKermit directory on your C: hard disk drive. Type

```
exit
```

at the DOS prompt to go back to UNIX.)

After successfully downloading the '22August' batch file, download the rest of the menu items in turn to your PC; you'll need them come 22 August! You can quit out of Gopher by pressing the letter **q**

### *New Dialup Scripts*

On or after August 22, 1994, you will want to activate these new scripts on your PC so that you'll be able to talk to the computers at NPS through your modem.

To do so, first change to your C:\Kermit or C:\MSKermit directory. (If you got your installation floppy disk from Irma between 1 January 1994 and 1 July 1994, your Kermit directory is called C:\MSKermit. If you got your disk after 1 July 1994, your Kermit directory is simply called C:\Kermit). Then type the command

```
22August
```

(note that there are no blanks between the digits '22' and the month name 'August'). This batch file command will make the new scripts active so that you can continue to connect to the computers at NPS in the same way that you have been, i.e. typing 'VM' at the DOS prompt to connect to the mainframe computer or typing 'UNIX' at the DOS prompt to connect to the UNIX workstations. In order to activate the new scripts, the program to set your communications parameters has to be run

again (you may remember this "Communications Set-up" program from when you originally installed SimPC and Kermit from Irma's floppy diskette). If you have any questions about how to respond to this program's prompts, please refer to the first three pages in the original hand-out which Irma Bozardt gave you when she lent you the SimPC/Kermit installation floppy—or you can get a new hand-out from Irma in In-147.

Do not activate the new Scripts by typing 'C:\Kermit>' or 'C:\MSKermit>' before August 22 or you will not be able to successfully dial up the NPS Computer Center from your home PC until then.

Chris Essert essert@nps.navy.mil

## Forwarding in WordPerfect Office

WordPerfect Office can use either of two different methods to automatically forward all of your mail to another location: Forwarding rules and Delegating rules. These are rules, actions that occur according to user-defined trigger conditions.

When you forward mail using the "Forwarding" action, the original message is sent within a message of your own, containing your address in the "from:" line. If this passes through the SMTP gateway, (i.e., goes to someone not on the NPS Novell network) the original message text will be added to the bottom of your message. If the receiver of the mail you forwarded replies using a reply function, the message will be sent back to you, and the original mail you received stays in your in box. You might use this forwarding action to spread information to other people.

When you forward mail using the "Delegate" action, the original message is sent with the *original sender's* address (not yours) in the "from:" line. No copy is left in your In box, and if the receiver replies using a reply function, the reply will go to the original sender. You might use the Delegate action in a rule to automatically send all incoming mail to another mail account you have.

To set a rule using the DOS client, first go to the "Tools", then select "Rules". At the Rules dialog box, type "1" or "c" to select the Create action. Give the rule a name, then press the tab key. Press the "a" key or "3" to get to the "Actions" box.

To use the "Forward" action, press "a" or "1" to Add Action, then press "f" or "2" at the Actions dialog box to choose the Forward action. Type the address you wish to forward mail to in the "to:" box of the mail screen, then tab until the "ok" button is highlighted and press the enter key.

To use the "Delegate" action, press "a" or "1" to Add Action, then press "g" or "3" to choose the Delegate action. Type the address you wish to delegate mail to in the "Delegate to:" box of the "Delegate" dialog box. Press the "enter" twice.

When you are through adding actions, press the tab key twice, then press the enter key to add the created rule to your list of rules, then press tab once more to highlight the "OK" key.

To set a rule using the Mac Client, first go to the "Tools" menu. Choose "rules" at the "username- rule list" dialog box, click "Create". Give the rule a name in the "Rule Name:" box of the "Username- Untitled Rule" dialog box. If you want to forward or delegate all mail, click the "Incoming" radio button, then click the "Mail" checkbox.

If you wish to use the "Forward" action, go to the "Add:" drop menu, and choose "forward item," then fill out the mail form as you usually would, then click the "okay" button.

If you wish to use the "Delegate" action, go the "Add:" drop menu, and choose "delegate item," then put the address you wish to send mail to in the "Delegate To" box. Optionally, you can also add comments to the sender and/or recipient.

(The email address given below is for Banyan and Novell users, the people for whom this information is intended.)

Charles Taylor CTaylor

## Unix Workstations

### Phone Book on Workstations

You can now obtain NPS telephone numbers or office numbers of NPS staff, faculty, or locations from your workstation. The command is either



begin the course, type the following from any Unix prompt:

```
rlogin kepler
cti_learn
```

Then press any key to begin the tutorial. Some of the topics available:

- Introduction to CTI Courseware
- Getting Started with a UNIX System
- The UNIX System User
- The Advanced UNIX System User
- Programming in C
- The UNIX System Administrator
- The Advanced UNIX System Administrator

Arrow down (or use the + key) to the topic you want and press the enter key. You're on your way to the wonderful world of UNIX!

*Hiram H.Cooke II cooke@nps.navy.mil*

## Maple at the Computer Center

Maple, the symbolic mathematics package, is now installed on all Computer Center Sun and HP Unix workstations. This includes the Suns in In-141, Ro-222, Ha-103C, and Sp-311 and the Learning Resource Center HP 700 machines in G1-318. It is also loaded onto the Mac Quadras in G1-123.

(Release 3 of Maple for SGI machines will be released soon and it will then be installed on the SGI machines in the Vis Lab.) NPS has an excellent unlimited site license for Maple. We can install it on any Unix, Mac, or PC machine on campus. If your department or curriculum would like it installed on a local machine, have your system administrator contact our User Services Group (POC: Dennis Mar, Ph: x2672, e-mail: mar@nps.navy.mil).

You can start Maple with 'maple' or 'xmaple'. The first is a command-line version and the latter is a motif X-window version. Both versions present you with '>' prompt. If you ever wanted to see Pi evaluated to 1000 decimal places then Maple is the tool for you. Try this command:

```
> evalf(Pi,1000);
```

Exit Maple with *quit*.

The package is also capable of some other fairly incredible feats (among them: it will produce Fortran

code, even optimized Fortran, for any formula you enter in). Basically, it does for all of mathematics, up to the post-doc level, what the hand calculator does for arithmetic. Larry Frazier (In-113, x2671, frazier@nps) has the Computer Center's copy of the Maple documentation.

## /local/docs

There is now a repository for miscellaneous user documentation - /local/docs. It contains documentation for products that have no man page documentation, as well as things that may be of general interest to users. At present it contains the following:

elm-ref-guide.ps	Elm reference (postscript)
elm-ref-guide.txt	(ascii)
elm-users-guide.ps	Elm users guide (postscript)
elm-users-guide.txt	(ascii)
emacs.ps	Emacs reference (postscript)
emacs.quick.ps	Emacs quick reference (postscript)
guide.61.ps	"Entering the World Wide Web", a guide to cyberspace (postscript)
guide.61.txt	"Entering the World Wide Web" (ascii)
unix.ps	"An Introduction to Unix" from U. of W. Ontario (postscript)
unix.txt	"An Introduction to Unix" (ascii)
www-primer.ps	World-Wide-Web primer (postscript)
xds	documentation for NCSA X DataSlice
ximage	documentation for NCSA X Image

To view postscript files, type: `pageview <filename>`  
e.g. `pageview /local/docs/unix.ps`

To view ascii files, type: `more <filename>`  
e.g. `more /local/docs/guide.61.txt`

To print files, type: `lp <filename>`  
e.g. `lp /local/docs/ximage`

To print large files, type: `lp -s <filename>`  
e.g. `lp -s /local/docs/guide.61.ps`

*Hiram H.Cooke II cooke@nps.navy.mil*

## Computer Center Suns in Halligan

Four public Sun sparcl0 workstations have come to Halligan 201c. When you print there, your printout will go to the HP4si installed there.

The names and address of the workstations are as follows:

ha148116.cc.nps.navy.mil	131.120.148.116
ha148117.cc.nps.navy.mil	131.120.148.117
ha148118.cc.nps.navy.mil	131.120.148.118
ha148119.cc.nps.navy.mil	131.120.148.119

Let me know if you have any questions, comments, or concerns.

*Hiram H. Cooke II cooke@nps.navy.mil*

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## Visualization Lab

### *New High-end SGI*

A 2-processor Silicon Graphics Onyx VTX rack system destined to replace alioth as the Vis Lab's premier graphics workstation is now available for your use. The console is the new-looking one on the table next to the HP 730. The machine is fully configured (except for mail, and other things that we hope that you will tell us about) on our network.

The Onyx's name is Algieba, after a star in Leo. It's running the Irix 5.2 Operating System, and will soon be upgraded with two really fast TFP processors.

*Mike McCann mccann@nps.navy.mil*

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## Knox Library

### *The Unasked – and Unanswered – Question*

One of the great frustrations for the librarians at the Dudley Knox Library – or at any library, for that matter – is suspecting that a user just left the library empty-handed when we know that the material he/she needed is available if they had only asked for help. Our education, experience and sole raison d'être is to help our users – the students, staff and faculty of NPS – find the information resources that they need in their studies, their research, or their work.

This problem is particularly acute as more and more of the information resources are in an electronic media format. The term "user friendly" leads us all to assume

that we can just sit down in front of a terminal and rely on the on-screen instructions or the "help" key to guide us to exactly what we need. But the reality is that every database and retrieval system has its own quirks and tricks and simply asking for a little assistance, a demonstration, some guidance and knowing where the ubiquitous "user's manual" is located can mean the difference between success and failure.

This was verified yet again a few weeks ago when two students came into the Research Reports Division, ecstatic with the grade they had received on a recent class paper. One of them commented that another team in their class had expressed amazement at the information they had put together for their paper and asked them where they had found it. "In the library" was their response. "But we went there also and looked on the terminals and didn't find anything" they countered. "Neither did we until we asked for some assistance" was the reply.

It is only the unasked question that is the dumb one.

[Ed.: The Computer Center staff would like to echo the ideas expressed here.]

*Larry Gaber lgaber@nps.navy.mil*

### *CD-ROM Databases in Research Reports Division*

The Research Reports Division (RRD) has been in the vanguard in the use of CD-ROM databases within the Library. With the support of CPT Conner, we were able to make available the Joint Electronic Library of Warfighting Publications several years ago, and that database, known as JEL, has expanded to include not only a large number of Joint, Army, Navy, Marine Corps, and Air Force publications (full-text) related to military doctrine and policy, but also has recently added the Air University Index to military periodicals from 1990 to the present.

The RRD has also had the Defense Technical Information Center (DTIC) Technical Reports database on CD-ROM for several years, but we have just moved it into the public area and are encouraging direct use by students, faculty and staff, rather than the librarian-mediated procedure previously used. With a little instruction and guidance from an RRD librarian, the user can make

use of the immense resources of DTIC – more than one million reports are indexed on this multi-disk CD-ROM product from 1970 to the present. Because the RRD automatically receives microfiche copies of DTIC-held reports, the user can expect that the technical reports for more than 95% of the citations resulting from a search will already be available within the library.

In addition, another key set of resources on CD-ROM is the Naval Tactical Information Compendium. This goldmine consists of two separate, multi-disk series -- Series A is a 4-disk set containing some 94 Naval Warfare Publications (NWP's) and the number increases with each bi-monthly release as the Navy converts to this full-text format for NWPs; Series B contains various Lessons Learned (Navy, Joint, Air Force, Marine Corps) and fleet tactical documentation (TACNOTES, TACMEMOS, etc.).

As with all materials within the RRD, access is limited to authorized users (which means any/all students/faculty with active security clearances).

*Larry Gaber lgaber@nps.navy.mil*

## Getting to Know 05

### Spotlight on Leslie Navari

Leslie Navari, head of the recently formed Technical Services Division in the Library, has been with the Library since 1987, when she began as a temporary reference librarian in the Readers' Services Division. She went from there to the Bibliographic Control Division as Periodicals Librarian and became head of the division in 1989. From January to November, 1993, Leslie also served as acting Head of Readers' Services Division and de facto Head of Bibliographic Control Division. This last spring, the former Acquisitions Division and the Bibliographic Control Division merged to become the new Technical Services Division, with some reassignment of jobs elsewhere in the Library! Confused? Leslie is still sorting out what all of this means!

Leslie holds a BA from the University of California, Berkeley and an MLS from the University of Southern California. Before coming to NPS, she held a variety of positions in circulation, reference, documents and man-

agement in other libraries, including the University of California, Davis, Santa Barbara Public Library, Pacific Grove Public Library and the Beaverton City Library in Beaverton, Oregon.

When she can get away from her library duties and responsibilities, Leslie enjoys natural history and gardening and is an active member of ARARA (the American Rock Art Research Association, an organization for those interested in petroglyphs) and a volunteer guide at the Monterey Bay Aquarium, where you can see her wearing her rust-colored jacket on frequent Saturdays.

*Larry Gaber lgaber@nps.navy.mil*

## Late-Breaking News!

### New Center Unix Printers!

There is now a laser printer available in each Computer Center public terminal area: In-141, Ro-222, Sp-311, and Ha-201c. Any printing done from these machines will default to the local printer in that lab.

To print to one of the remote printers, use the -d<printer\_name> flag, e.g.:

To print remotely to the printer in in-141:  
% lp -din141a <filename>

To print remotely to the printer in ro-222:  
% lp -dro222a <filename>

To print remotely to the printer in sp-311:  
% lp -dsp311a <filename>

To print remotely to the printer in ha-201c:  
% lp -dha201a <filename>

*Hiram H.Cooke II cooke@nps.navy.mil*

## Computer Help

Computer-related questions  
(Unix, PC, Mainframe, Cray)?  
Send email to  
consult@nps.navy.mil  
or call or visit  
Consulting: In-146, ext 3429  
M-Fr 0900-1130 1315-1545

## Computer Srvc Pts of Contact

**NOTE:** Email addresses in this section are simply the last name @nps.navy.mil, unless shown otherwise in *italics*.

	<u>Room</u>	<u>Ext.</u>
Administrative Assistant Mandy Drury (no email)	In-130	2574
Manager, Systems Support David F. Norman <i>dfnorman</i>	In-118	2641
Manager, User Services (Acting) Dennis Mar	In-133	2672
Manager, Operations Roy Romo	In-132	2004
Manager, Visualization Lab Mike McCann	In-102B2752	
Manager, LRCs & Center Micros Kathryn Strutynski <i>kstrutynski</i>	GL-375	2696
AIX: Jim Hart <i>jahart</i>	In-106	3661
Editor, Bulletin Larry Frazier	In-113	2671
User Registration and Accounting Irma Bozardt	In-147	2731
Ruth Roy, Manager	In-109	2796
Programming Cnsltnt.	In-146	3429
Shift Supervisor, Opns	In-140	2721

## General Points of Contact

	<u>Room</u>	<u>Ext.</u>
Knox Library Maxine Reneker	Kn-261	2341 MReneker
ADP Security Jeff Franklin	He-E208	2469
Computer Science micro & wkstns Al Wong	Sp-525A	2009
Systems Mgmt. micro labs Norm Schneidewind	In-311	2719
ECE micros & workstations Bob Limes	Sp-301	3216
Computer Users Council (CUC) R. Schwanz, President Dennis Mar, Secretary		3177 2672

## ALG Points of Contact

MIS Supv. Joe LoPiccolo 2994  
Network Services  
Codes 05, 21, 22, DRMI  
Codes 00x, 01, 03x, 07 & Depts.  
Lonna Sherwin 2794  
Codes 04, 06, 08 & Currics.  
René Lightcap 2195  
Code 42 Chris Abila 2794

## Computr Srv Unix Wkstations

In-141 17 Sun SPARC 10/41  
1 HP LaserJet III  
Ro-222 15 Sun Sparc 10/41  
Sp-311 8 Sun Sparc 10/41  
Ha-201C 4 Sun Sparc 10/41  
Dial-up: 656-2709 up to 9600 bps

## Computer Srv. VisLab, In-148

7 Silicon Graphics: 1 380 VGX,  
1 Onyx, 3 4D TG, 1 Indigo<sup>2</sup>Extreme,  
1 Indy  
1 Abekas frame recorder  
1 Mac Quadra 700  
1 HP 730  
1 DECstation 5000  
1 Sun SPARC 10/41

## Library Catalog (BOSUN)

Available via gopher from most networked computers, and from CMS.  
Mon.-Thu. 0700-2300  
Fri., Sat. 0700-1800  
Sunday 0700-2200

## Computer Srvces Mainframes

We operate (1) An Amdahl 5995-700A (384 MB processor storage, 1 GB expanded storage). Interactive computing is provided under VM/XA CMS, batch processing under MVS/ESA with JES3 networking. (2) A Cray Y-MP/EL 98 (8 cpus, 2 GB memory, Unicos).

## Hours of Operation

VM, MVS 24 hrs/day, 7 days/wk  
656-2713: status recording  
Dial-up 656-2709 up to 9600 bps  
TAC Access 647-8422

## Terminal Clusters (Open)

In-141 5 3472G Graphics/APL  
2 3192-2 Graphics/APL  
In-364E 14 3192 Graphics/APL  
Ha-201C 4 3278-2 (1 APL)  
Bldg223 11 3178-2 (1 APL)

## Printers (Mainframe)

In-140 IBM 3800-3 Laser (215 ppm)  
IBM 3262 Impact (650 lpm)  
In-141 Tek 4693D Color Prntr/Plotter  
In-148 Shinko CHC-743MV Clr Prntr  
In-364 IBM 3268 Impact (APL)  
Sp-311 IBM 3203 Impact (1000 lpm)  
Ro-222, Ha-201B, Bu-100, Bldg 223  
IBM 3262 Impact (650 lpm)

## Learning Resource Centers

Hours of Operation:  
Open: M-F 830-1630  
(Other access by arrangement)  
GL-128 20 Mac Quadra 700 (Sys 7)  
6 PC 486/DX 50  
GL-203 33 PC 486/DX 33  
GL-318 19 HP 730  
1 PC 486/DX 33  
In-151 11 PC 386 (25/33)  
1 Discover Scanner (PC)  
1 HP LaserJet IIIsi  
In-371 6 PC 486/DX 33  
4 PC 386/25  
Ro-262 15 PC 386/20  
2 Z-248 (286)

## NPS Computer Club

Club President: Andy Melton  
373-0695 awmelton@nps.navy.mil  
NPSAndy@aol.com  
Vice President: Frank E. Kelbe  
656-2363 kelbe@cs.nps.navy.mil  
Secretary: Alex Dezerega  
655-5890 Lale@aol.com  
Treasurer: Rick Arai  
656-2174 aral@cs.nps.navy.mil  
BBS Sysop: Mike Holden  
899-2523 mjholden@cs.nps.navy.mil  
Newsletter Editor: Howard Mohn  
647-1834 hlmohn@cs.nps.navy.mil  
Windows Chair: Chris McMahan  
375-2612 mcmahan@cs.nps.navy.mil  
Amiga Chairman: Josh Rovero  
372-8905 rovero@oc.nps.navy.mil  
Mac Chairman: Andy Melton  
373-0695 awmelton@nps.navy.mil  
NPSAndy@aol.com  
Mac Librarian: Curtis Plunk  
647-8829 NPSCurtis@aol.com  
OS/2 Chairman: Mike Schlevelblen  
schlevel@cs.nps.navy.mil  
BBS: Closet Gouge I & II:  
1200, 2400, 9600, 14400 bps; 8-N-1  
655-8785 or 655-8787

Distribution: List 3, plus: 20-B3, 250-B4, 100-B5, 2-B6, B15.

Copy to: 12-PERSEREC, 10-NTCC, 9-DMDC, 1-NAVSECGRUDET, 1-NOARL, 30-OC, 5-FNOC Computer.