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Computer and Information Services Newsletter

March 1994

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Conference on Rural Datafication

May 23-24, 1994, Hyatt Regency, Minneapolis
Second Annual Conference on Rural Datafication

Conference Schedule in Brief

Workshop Program:	Saturday and Sunday May 21–22
Birds-of-a-Feather Sessions:	Saturday and Sunday May 21–22
Conference Sessions:	Monday and Tuesday May 23–24
Rural Datafication Reception:	Monday evening

Building on the success of the first conference, held last May in Chicago, Illinois, CICNet is proud to announce the second annual conference on Rural Datafication. The conference will be held May 23-24, 1994, in Minneapolis, Minnesota. With the support of the National Science Foundation and in partnership with the state networks of Illinois, Iowa, Indiana, Michigan, Minnesota, New York, Pennsylvania, West Virginia, and Wisconsin, and the North Central Regional Educational Laboratory, CICNet invites you to help meet the challenge of providing universal access to the Internet.

Focusing on issues of rural networking, the goal of the conference is to bring together people from institutions of

higher education, rural school districts, libraries, state and local government, business, network access providers, and others who are involved with developing, managing, funding, and using networked information resources in under served areas.

Program Content

We plan a comprehensive program packed with practical information directed at those hard to reach and to serve communities that have become critical to the success of the Internet, including K-12, small business, agriculture, local government, public libraries, and health care, and others as interest warrants.

Planned activities include workshops, nationally known speakers, invited sessions, and plenty of opportunity to meet people who are learning how to solve the problems of extending the Internet to under served areas.

Program Committee and Advisory Board

Conference Program Committee: Rhana Jacot and Kim Shaffer, CICNet.

CICNet has formed an Advisory Board of representatives from various user communities to help plan the pace and intellectual content of the conference:
o Sherrilynne Fuller, University of Washington
o April Marine, NASA
o Janet Poley, US Department of Agriculture
o Anthony Riddle, Minneapolis Television Network
o Ross Alan Stapleton, Georgetown University
o Dan Pullen, SENDIT
o Frank Odasz, Big Sky Telegraph
o Roger Hart, TeleConsult
o Sharon Hogan, University of Illinois at Chicago
o John Gravelle, Pioneering Partners Project
o Rick Gates, The Internet Hunt

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For More Information

More information on the Conference on Rural Datafication, the Rural Datafication project, and other CICNet activities is available. Using e-mail, send name, mailing address, and e-mail address to:

```
ruraldata-info-request@cic.net
```

Registration and Fees

Registration Materials available: mid-March, 1994

Conference Registration Fees and Deadlines:
    $ 99 before   April 15, 1994
    $125 after   April 15, 1994

Hotel Room Discount Rate:
    $99 available if booked prior to April 20, 1994

Check out
"51 Reasons to Build the National Information Infrastructure"
on page 219.

Using the nn News Reader

In recent issues we've introduced you to USENET news groups, on-line discussions of various topics. We've also described software packages, called news readers, that help you read the information posted to news groups and participate in on-line discussions.

We described Minuet for IBM-compatibles in our December 1993 issue, and in January 1994 we featured Nuntius for the Macintosh. In this issue we'll briefly describe nn, the default news reader on the maroon and gold systems. (nn stands for *no news*, short for "no news is good news.")

Subscribing to News Groups

There are two ways to subscribe to news groups. The first way will take an hour or two of your time. The second is faster but requires more knowledge on your part.

The Easy, but Time-consuming, Way

When you start up nn from the interactive session's menu for the first time, nn will present you with a very, very long list of all existing news groups — there are thousands of them. For each news group, nn will ask you if you want to subscribe. (You must type Y or Return for Yes or type N to not subscribe). Working your way through the entire list will take an hour or two.

At this time, unfortunately, there is no better way to work through this tedious procedure. It does, however, have one advantage: it allows you to look over the list of current news groups.

The Faster Way

The faster way to subscribe to news groups is possible only if you already know the name of at least one news group *before* you use nn. (We'll tell you the name of an essential group in a moment.) First you need to use a text editor to create a file called

        .newsrc

To do that, begin at the first menu (Figure 2) on your gold or maroon account and follow this path:
    Special Utilities
        File Utilities
            Edit a File/Directory

Pico, a Text Editor

The system will ask you for the name of the file you want to create. Type in the filename .newsrc and press Return. You'll go into pico (Figure 1), the default editor on the maroon and gold interactive systems.

In this example, since you just created the .newsrc file, the file will be empty. Type in the names of the news groups you want to subscribe to, one name to a line, with each name ending in a colon, like this:

    comp.fonts:
    alt.lefthanders:
    news.announce.newusers:

When you're done, type ^X (shown in Figure 1), that is

        Ctrl X

Figure 1: PICO Editor

```
    PICO 1.7                      File:  .newsrc                      Modified

    news.announce.newusers: 1-506
    news.newusers.questions: 1-11826
    comp.fonts:
    alt.lefthanders:




    ^G Get Help ^O WriteOut  ^R Read File ^Y Prev Pg   ^K Del Line   ^C Cur Pos
    ^X Exit       ^J Justify  ^W Where is  ^V Next Pg   ^U UnDel Lin ^T To Spell
```

to leave pico. Then you'll be asked if you want to save this file. Type Ⓨ (for Yes).

Once you've created the .newsrc file, you're ready to start using all of the features nn. Return to the first menu in the mail shell and select the *News Reader* option, shown in Figure 2.

One Essential News Group

When you create the .newsrc file, include this group:

news.announce.newusers

When you look at the articles in this group, read the postings that have subjects like: *List of Active News groups, Part 1*. These postings contain lists and descriptions of all the USENET news groups.

Read these lists to identify other news groups you'd like to belong to. Then simply edit your .newsrc file to include these new groups, or use the G (for "go to") command to automatically subscribe. For example if you want to subscribe to a local news group about the Macintosh, type

G umn.comp.sys.mac

Selecting Messages

When you start up nn for the first time, it will create the directory called .nn on your account; nn uses this directory to store its working files.

When you log on to your maroon or gold account, the first menu you encounter looks (at this writing) like the one in Figure 2. When you select the number of the News Reader option you'll go directly into nn, which will display your unread messages in a format resembling the one shown in Figure 3.

At the top is the title line, it tells you which news group you're in. The *Articles* part at the upper right tells you there are six unread articles in this group, and a total of twelve unread articles in three of your subscribed groups.

The status line at the bottom of the screen tells you several things:
• the time
• that you're in SELECT mode
• how to get help (type ?), and
• that the display shows *all* of the unread articles in your current news group.

Figure 2: Sample Mail Shell Menu

```
Computer and Information Services
─────────────────────────────────

(smith345) - Bill Smith

  1. Electronic Mail
  2. Gopher
  3. Electronic Phone Book  (X.500 Directory)
  4. Public Access (LUMINA)
  5. News Reader
  6. Validation Utilities and Services
  7. Special Utilities
```

In the middle is a line for each message, broken into four parts, forming four columns. As you see in Figure 3, each message is labeled with a letter (first column) and identified by author (second column). The third column tells you how many lines each message contains and the fourth tells you the subject of the message.

Moving to More Lists

After you've read the first "page" of the article list, you can go on to read additional pages. (New pages may be in the same newsgroup, or they may be in the next newsgroup you subscribed to.)

You can use the ▷ key to go forward through the lists and the ◁ key to go backward. Or you can use the Spacebar to move forward. However, the Spacebar marks all articles on the current page as "read." If articles are marked as read, when you leave the group and come back to it later, nn won't display those articles again because nn believes you've read them.

Selecting Messages

To select and read one or more messages from the menu, type their assigned letters (from the first column). From the samples shown in Figure 3 you can type a, c, and f. As you type these letters, nn will highlight the corresponding messages. To see the articles you've selected, press Ⓩ.

If the menu of unread messages had been longer — say, three screens long — pressing the ▷ would have taken you to the next part of the list, where you could have selected more messages. After you have displayed the entire list of any one news group, pressing Ⓩ will display individual messages, one at a time.

When you're reading an article, you can press the [Spacebar] to scroll through multi-screen articles. If you are already at the bottom of a particular article, pressing the [Spacebar] moves you to the next article. When you have read all the messages, press [N] to go to the *next* news group and [P] to go a *previous* news group.

Quitting and Other Commands

At any time, you can press [Q] to quit. There are more commands that enable you to navigate back and forth among messages and news groups. For a short list of commands, type [?] (Figure 4). For an extensive set of documents organized like a news group, type

```
:man
```

For a longer introductory document, you can use anonymous FTP to go to news.tc.umn.edu. Look for this file: /pub/fyi/nn/nn.doc

Figure 3: Sample of Unread Messages in nn

```
Newsgroup: comp.fonts                          Articles 6 of 12/3

a Fred Rome       6   email address of Adobe
b Mike Pipsie     22  Invalid True Type font?
c Carl Mayland    17  Fontmonger?
d Michael Wu      14  Barcode fonts?
e Steven Sax      4   font used on dollar bill
f Ras Luttik      7   Outline font


  - 13:16 - SELECT - help:? ——All—
```

Figure 4: Type ? For a Short List of Commands

```
SCROLLING              ABSOLUTE LINE            SEARCHING
SP       1 page forw    ^     top               /RE      find regular expr.
d        1/2 page forw  gNUM  line NUM           . //     repeat last search
CR       1 line forw    $     last line
DEL      1 page back    h     header            TEXT CONVERSIONS
u        1/2 page back  H     full digest       D        decrypt article (rot13)
TAB      skip section                           c        compress spaces
GOTO ANOTHER ARTICLE
SP       next (at end of current article)       CANCEL, SUBSCRIBE, KILL
n, p     next/previous article                  C        cancel article
l        mark article for later action          U        (un)subscribe to group
k        kill subject (not permanently)         K        kill/select handling
*        select subject
                                                QUIT / ESCAPE
SAVE                                             =        back to menu
s, o, w   save with full/short/no header        N        goto next group
:unshar :decode :patch    unpack article        X        as N, mark as read
                                                !, ^Z    Shell escape, suspend
REPLY, POST                                      Q        quit nn
r        mail reply to author of article
m        mail (or forward article)              REDRAW
f        post follow-up to article              ^P       Repeat last message
:post    post new article                       ^L, ^R   Redraw screen
Hit any key to continue
```

Adding and Dropping Groups

When new groups become available, nn will announce them each time you start up the news reader and ask you if you want to subscribe. If you learn of other groups you'd like to join, you can add them to your list by using nn's G command. For example, if you want to subscribe to a local newsgroup about the Macintosh, you can type

```
G umn.comp.sys.mac
```

After you do this, you'll see the number of articles available to read. Type A (or press Return) to see a list of *all* the articles. Then, to re-subscribe to the list, type the U command. nn will respond:

```
Already unsubscribed.
resubscribe to umn.comp.sys.mac?
```

Type Y to subscribe. To drop any news group you're currently subscribed to, you can type U (for Unsubscribe) while you're in that group.

Posting a Message

Suppose you're reading a message and want to respond to it. You have several options, a few of which are described below.

Type R (for reply) and nn will place you in a text editor. Your message will be sent only to the author of the message you're replying to.

Type F (for follow-up) and your message will be posted to the news group for all to see.

The post command lets you post a message to any news group. Here's a sample of the command with a subject (message label)

```
:post need Hieroglyphic font
```

nn will prompt you for the name of the news group. When you actually exit the editor, nn will mail your message.

Changing Editors

As we've already mentioned, pico is the default editor on E-mail accounts, but you can change editors by following this path through the menus:

> Special Utilities
> > Environment Setup
> > > Change Editor

Your choices are pico, vi, and ex. Naturally you should learn a bit about the editor before you attempt to send messages.

trn — Another News Reader

The alternative news reader on maroon and gold is trn. trn is a more complex news reader with different levels and different commands for each level, but it has some interesting features.

For example, it organizes past messages by their subject lines into related "trees" and "branches." So, instead of reading messages in unbroken chronological order, you can read related articles in sequence. trn displays a crude diagram of each subject tree in the upper right-hand corner of each message. You can navigate around the branches using the arrow keys of your keyboard.

If you select trn as your news reader (as explained below), you can start it up and display a list of commands. You can also leave the mail shell through these steps

> Special Utilities
> > Shell Access

and type the Unix command

```
man trn
```

to read a long on-line document about trn. To return to the menu-driven mail shell type

```
exit
```

Selecting trn

If you want to change to trn, go to the mail shell menu (Figure 2) and select *Special Utilities*. Follow this path through the menus:

> Special Utilities
> > Environment Setup
> > > Change News Reader

The utility for changing your news reader will tell you what your current news reader is — either nn or trn — and allow you to change to the other reader if you prefer. The selection you make remains effective until you change your news reader again.

Searching Other University Library Catalogs

Try it from the computer on your desktop.
Nancy K. Herther, Manager, IIC (Integrated Information Center)

You can use LUMINA and Telnet not only to look at resources here on campus for your research but also to check on the collections — and sometimes services — of other major research collections.

Why Would I Do That?

Let's say you are researching some topic — updating a bibliography or doing initial research in a new subject area — and want to see what's available. If you know that they have a dynamite collection at some particular university, you can search their catalog as easily as searching LUMINA, and do it from your desktop.

As a librarian, I often will check the collections at other universities as I work to build up our collections in different subject areas. It's also a very interesting way to examine how others organize their collections and online catalogs — what types of materials different libraries decide to catalog and what they do not catalog; do they all include information on what has been checked out? Try it and see!

For a more practical application, let's say you want to see a particular issue of some journal that is at the bindery from our collections. Or perhaps a book you want is checked out and you'd like to know if it's available elsewhere in the Twin Cities area. Yes, you can wait for its return, but you can also go through LUMINA to check to see if there may be another copy in the metro area. Library catalogs from the University of Minnesota, Duluth campus, Minnesota State University System, and Twin Cities private colleges are accessible directly through LUMINA.

How Do I Get Access?

The catalogs of major local public libraries are available today mainly by dialing up — Ramsey County, Minneapolis Public and others can be accessed this way. Just call their libraries for details and instructions.

From LUMINA you can access any of the following library catalogs:
- University of Minnesota - Duluth campus
- PALS - Minnesota State University System
- CLIC - Libraries of the Twin Cities private colleges (e.g., St. Thomas)
- Big Ten University library catalogs (e.g., Ohio State, U of Wisconsin)

Select LUMINA

From the Public Access screen, first select [1] for LUMINA. From the initial LUMINA screen select either of these options

    7 - Local Libraries
    8 - Other Libraries

From here you will get menus of specific institutions from which you can connect and search.

How Can I Find Out What's Available?

You can use Gopher to find out about library catalogs from around the world, many of which are available via Telnet. To get to this part of Gopher, follow this path

    Libraries
        Library Catalogs via Telnet
            Library Catalogs from Other Institutions

Although Gopher will automatically launch Telnet for you, everything else you need to do may not be automatic or intuitive. (The one Gopher requirement is that Telnet must be installed on the computer you are using.)

The document entitled *About Library Catalogs* includes tips on logging in. When you access other catalogs you are frequently greeted with a message that gives you tips on important commands or collections and on logging in and out. If you don't think you will remember those commands, take notes before you move on. The section called *Instructions for different catalog types* also includes useful tips.

At this point you will be given the option of selecting a library by subject category (this is not the most comprehensive or best way to do a complete search) or by location or by name. You can find libraries all around the world that are available for searching via Telnet using the Internet.

You can get access information for major research collections — California Institute of Technology, Harvard University, Los Alamos National Laboratory — dream vacation sites — University of Hawaii — or even small collections of regional interest — such as the Cedar Rapids Public Library. All the information you need is there and ready to be used — and access is free!

Figure 1: Library Catalogs from Other Institutions via Internet Gopher

Internet Gopher ©1991-1993 University of Minnesota.

- About Library Catalogs
- Catalogs Listed by Location
- Catalogs Search by Keyword
- Instructions for different catalog types
- Library Bulletin Boards
- Manuscript and Archives Repositories - at Johns Hopkins
- Paper List (BBarrons' Accessing Online Bib Dbases)
- Updates made recently to the list of libraries
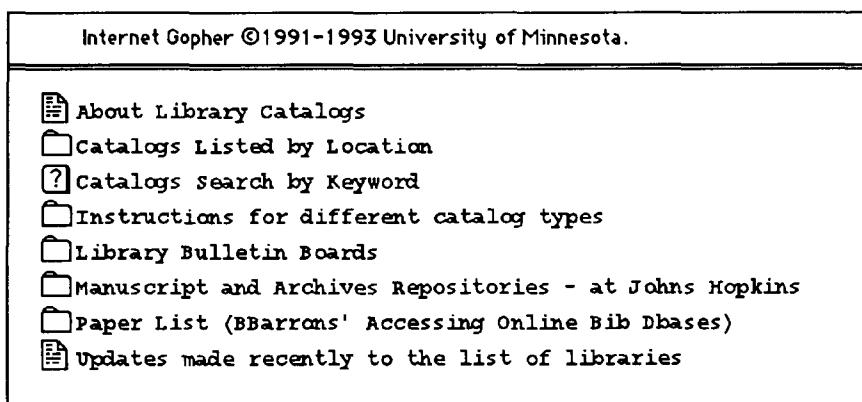
Which Minnesota agencies are included? Just take a look at this partial list:
- Department of Human Services
- Department of Jobs & Training
- Department of Natural Resources
- Department of Trade & Economic Development
- Legislative Reference Library
- Attorney General's Office
- Department of Health
- Historical Society
- Law Library

Taking PALS out for a Spin

Let's take a quick look at one catalog for an example of how useful these files can be. One file available through the LUMINA gateway is the PALS catalog, from the Minnesota State University System. Because many Minnesota state agency libraries are also mounted in this database, it is a good way to do a quick check for State of Minnesota documents that might be useful to you in your research. See the section above for accessing catalogs from LUMINA.

One file available through the LUMINA gateway is the PALS catalog, from the Minnesota State University System.

Government Publications Library

Whether you are studying some issue of local importance or looking for some esoteric report that you can't find in LUMINA — here is another option. If you need help finding any government document, don't forget to check with the staff of our own Government Publications Library (624-5073) who can help you identify and locate information you need.

Give it a Try

There are always alternatives when you are looking for information. The Libraries makes access not only to other library catalogs through LUMINA, but also to bibliographic databases and links to Gophers and other services around the world. If you have any questions about resources or research, remember to check with your Library reference staff for guidance through the information maze. Or give me a call — and happy hunting! Nancy K. Herther, Manager, IIC, University Libraries, 624-2020; nherther@iic.lib.umn.edu.

IBM/CMS Column Editing Commands

The XCOL Utility

Wouldn't it be nice if you could edit your data files or memos on the IBM/CMS system and have commands that worked on columns of text in a way similar to the one in which the prefix commands work on rows of the files? Well, now that is possible with the COL Xedit macro. Among the things that you can do with this utility are:

* delete columns or ranges of columns
* insert and overlay columns of text
* move and copy columns from one place in a file to another
* control text alignment and word flow
* transpose columns and lines of a file

To invoke this editing utility, enter the following on the XEDIT command line:

        col n

The n refers to the number of lines that the column editing will apply to. If you leave off the n, the default is only the current line.

The COL command will produce a line of ?s on which you may enter the COL editing commands by overtyping the ?s with the special commands. Figure 1 is an example of using the delete command to delete columns 34 through 44 from the file. The result, after pressing Enter, is shown in Figure 2. To exit COL, press PF3.

More information

There are three ways to get on-line help:
1. press PF1 while COL is running
2. enter HELP COL from the XEDIT command line
3. enter HELP XEDIT COL from the CMS command line

The Brief entitled *Column Editing on IBM/CMS* is available at the 99 Coffey Hall (St Paul campus) helpdesk or from Nicholson room 1. The IBM manual *IBM XEDIT Column Editing/VM: User's Guide* is available for reference at 99 Coffey Hall.

Figure 1: Use Delete Command

```
====>
?????????????????????????????????ddddddddddd???????????????????????????
   ...+....1....+....2....+....3....+....4....+....5....+....6....+....  |
Jason, Max                  345 Y65  OOKR   06/01/76
Ligbor, Jane                218  66  RRW    06/21/78
Martin, MaryAnn             523 Q54         02/13/53
Pasco, Tom                  213 IU5  RWQN   11/14/80
Zak, Mike                   145 T74  DW     08/10/80



Copy,Move,Xfr,Fol,Pre.Upon,Add,Ins,Del,"=Dup,Rep,Ovl,Emul_,Sort,G=Desc
 PF1=Hlp/2=CMDlist/3=Exit <>=Wordflow,+=Sum,Low,K=Up,Just,Blk,Nbr,/=Cou
```
The COL command will produce a line of ?s on which you may enter the COL editing commands by overtyping the ?s with the special commands.

Figure 2: Results of Using Delete Command

To exit COL, press PF3.

```
====>
???????????????????????????????????????????????????????????????????????????????
   ...+....1....+....2....+....3....+....4....+....5....+....6....+....
Jason, Max                  345  06/01/76
Ligbor, Jane                218  06/21/78
Martin, MaryAnn             523  02/13/53
Pasco, Tom                  213  11/14/80
Zak, Mike                   145  08/10/80



Copy,Move,Xfr,Fol,Pre.Upon,Add,Ins,Del,"=Dup,Rep,Ovl,Emul_,Sort,G=Desceng,Zone
PF1=Hlp/2=CMDlist/3=Exit <>=Wordflow,+=Sum,Low,K=Up,Just,Blk,Nbr,/=Col,Que,Y^
```

Glim 4 on EPX — Central System Software

The Glim Statistical Package

Glim is an interactive statistical package for fitting generalized linear models. Several commonly known statistical methods fall into this broad category of models, including linear regression, analysis of variance, and log-linear models. On March 20, 1994 we are upgrading the Glim package on epx.cis.umn.edu, our Unix central system, from version 3.77 to version 4.

Changes from Glim 3.77

The major improvement in this version is Glim's ability to create high resolution graphs which can be sent to Tektronix windows, X windows, or even to PostScript files. Other improvements make the package more generally useful for data analysis rather than being only a research tool. Variable names can now have up to 8 characters instead of being limited to 4. A number of commands have been updated plus new ones have been added. There are now commands to generate values for a particular model rather than having to calculate them by hand.

The incompatibilities between Glim 4 and Glim 3.77 — which the vendor considers to be minor — are listed in an appendix in the user manual. However, we've found by experiment that Glim 3.77 dump files can't be read by Glim 4.

Running Glim 4

Glim commands can be upper or lower case or mixed. Here is what you type to start Glim 4 at the EPX prompt and what you type to exit Glim 4.

```
glim
$stop$
```

Each time Glim 4 runs in an interactive session, it creates these two files in the current directory: glim.jnl and glim.log. All commands entered during the session are saved on glim.jnl, and all the input and output from the session is saved on glim.log.

Data Analysis: An example

In this example, we'll fit a simple linear regression line. First, we need to specify what our variables are and how many cases we have:

```
$var 8 x y$
```

Figure 1: Glim X Y Plot
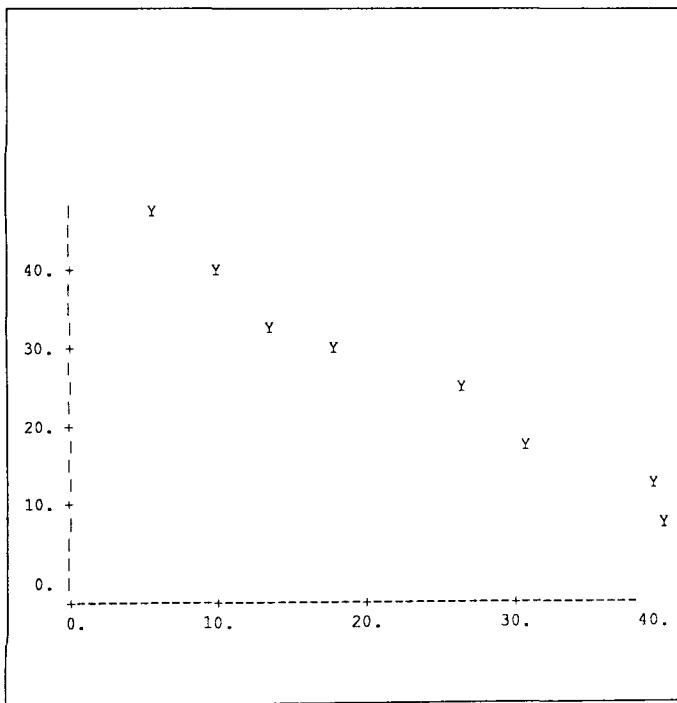
Figure 2: Glim Plot
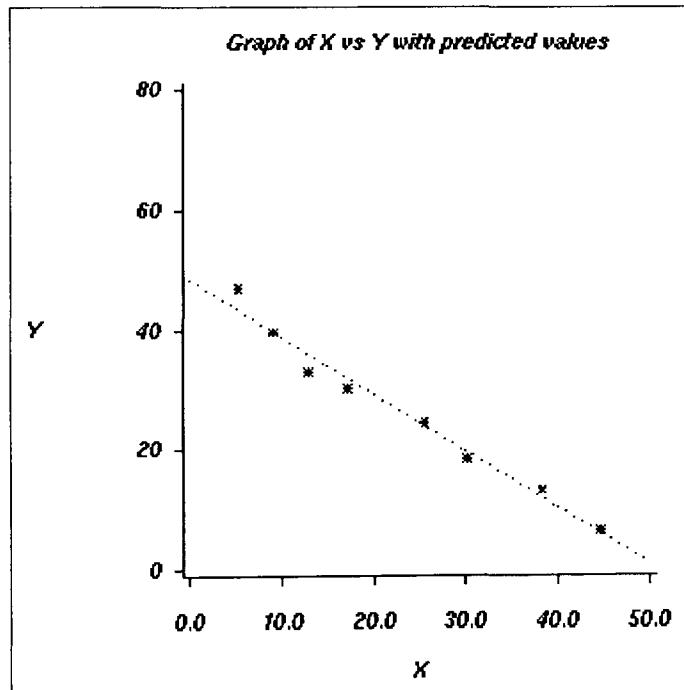
This tells Glim 4 that we have 2 variables, X and Y, and there are 8 cases.

```
$read x y
5.2   47.0
9.1   39.7
12.9  33.1
17.2  30.3
25.6  24.6
30.2  18.5
38.3  13.2
44.7   6.5
```

Now, we can plot X and Y, as shown in Figure 1, to see if the relationship is linear.

```
$plot y x$
```

To fit a linear regression line, we need to issue the following commands:

```
$yvar y$
```

This tells Glim 4 that we want Y as the dependent variable.

```
$fit 1 + x$display e$
```

This tells Glim 4 to fit a model of Y = Constant + X and then to display the parameter estimates.

```
    deviance =   28.352
 residual df =    6

         estimate      s.e.    parameter
    1      48.34       1.533     1
    2     -0.9488      0.05791   X
scale parameter 4.725
```

Thus, our linear regression line would look like Y= 48.34 - 0.9488 * X.

Say we were interested in obtaining the predicted values from this model for X values in the range of 0 to 50 by steps of 5. We could issue the following commands:

```
$assign xf=0,5...50$
$predict (s=-1) x=xf$
$calculate yf=%pfv$
```

Then, we could get a high resolution plot of the data and see how well the model fits by using the graph directive:

```
$graph (t='Graph of X vs. Y
with predicted values'
v='Y' h='X' x=0,50,10 y=0,80,10)
y;yf x;xf 3,12$
```

which produces the plot shown in Figure 2.

The high resolution plots can be seen on X-Windows terminals, Tektronix terminals (or emulators), and as PostScript files. To change the graphical device, use the set directive before the graph directive:

```
$set device='X'$        for X - Windows
$set device='post'$     for mono PostScript
$set device='T4014'$    for Tektronix
```

Documentation and Help

To access Glim 4's online help facility type

```
$MAN$
```

For help on a particular directive, type $MAN followed by the directive name. When you type the examples below you will get information on the EXTRACT and the GRAPH directives.

```
$MAN EXTRACT$
$MAN GRAPH$
```

The user manual is entitled: GLIM 4: The Statistical System for Generalized Linear Interactive Modeling. (It is also called *The GLIM System Release 4 Manual.*) The manual was published by Clarendon Press, Oxford in 1993. The manual can be ordered for about $90 through the University bookstore from Oxford Science Publishers. The ISBN number is 0-19-852231-2.

If you have questions about Glim 4 or other statistical packages, call the Central Systems Help Line at 626-5592 or send E-mail to consult@vx.cis.umn.edu.

Old Version Available Until June

If you need the old version 3.77 of Glim for any reason, use the command listed below to access it. The old version will be deleted in mid-June.

```
glim377
```

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        request@boombox.micro.umn.edu

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Use Gopher for 24-hours Service

Use Gopher to search the Computer Department's database to find out part numbers, prices, and product availability. "Electronic Ordering" options are available at these two Gopher locations:

- ○ Computer Information
  - ○ Microcomputer Prices
    - ○ Minnesota BookCenter...Electronic Ordering
- ○ University of Minnesota Campus Information
  - ○ Department and College Information
    - ○ Minnesota BookCenter Electronic Desk

▼ IBM ValuePoint P60/D

The IBM ValuePoint P60/D is a new Pentium system from IBM. This personal computer will be available for test drives in the Microcomputer HelpLine in Room 152 in the Shepherd Labs building from

February 28 – March 24

The two models currently orderable from the Minnesota Book Center are listed in the table below. Both models come with a one year on-site warranty service and IBM's free helpware for 24 hours/day assistance.

P60/D Model	6384-189	6384-199
Bookstore Price	$3885	$3929
IDE Hard Drive	424MB	527MB
— access speed	13ms	9ms

Features and Benefits

60Mhz Pentium Processor
> Intel's next generation of high speed microprocessor technology • Up to 66% faster than Intel's 66MHZ 486DX2 • Enhanced floating point unit • Upgradable Pentium overdrive processors

256KB Level 2 Cache
> Maximizes Pentium processor performance

PCI Local Bus
> Newest bus architecture for enhanced speed • 2 PCI Local Bus slots • Supports up to 3 ISA cards to provide investment protection • Allows automatic configuration

PCI Local Bus Graphics
> Megapel resolution and True Color standard • 2 MB maximum video RAM • Up to 200% faster than VESA local-bus

16 MB Standard RAM
> Improves speed of high performance operating systems like OS/2, Netware, AIX, SCO UNIX, and Windows NT

▼ IBM Loan for Learning

The steps involved in the application process are listed below. If you have further questions about how to complete the loan application, call Nellie Mae Customer Service, Monday-Friday, 8 am to 9 pm EST at one of these numbers

    800-634-9308
    617-849-3447

Figure 1: Use Gopher to Search the Book Center's Database

If your request is approved the check will be made out to the borrower and the Minnesota Book Center as co-payees's.

1. Pick up order form at Book Center.
Go to Computer Desk at the Minnesota Book Center and pick up a completed order form for equipment. Be sure it included product number and price.

2. Pick up and complete the loan application.
Pick up a loan application from the Computer Desk or the Microcomputer HelpLine in 152 Shepherd Labs. Complete *all* applicable sections on the application. Sign Section G.

3. Provide ID and financial information.
Enclose the application, the most recent paycheck stub of *all* borrowers (showing current and year-to-date earnings, borrower's name and social security number, and the employer's names), and the order form. Note: if not a US citizen, a copy of INS 151 or INS 551 card must be included. At least one borrower must be a US citizen or permanent resident.

4. Enclose $20 and mail.
Enclose a $20 non-refundable application fee in the form of a check made out to: Nellie Mae. (Please keep photocopies of all loan materials for your own records.) Mail all enclosures to:

    IBM Loan for Learning
    Nellie Mae
    50 Braintree Hill Park, Ste. 300
    Braintree MA 02184 8753

5. Wait.
Nellie Mae usually will reach a decision within 72 hours of receiving the application.

▼ Sample Apple Price & Product Changes

For the complete offerings in a product line, such as the Quadra 610, you can search for that model name in the Book Center's database. You can access that database via Gopher (Figure 1).

Model	Memory (MB)	Hard Drive (MB)	Other	Price
Color Classic: 68030, 16MHz				
M1602LL/A	4	80	na	$810
Quadra 610: 680LC40, 25MHz				
M2098LL/A	8	230		$1595
M2319LL/A	8	160		1290
M2099LL/A	8	230	CD	1850
Quadra 660AV: 68040, 25MHz				
M2687LL/A	8	230		$1620
M2690LL/A	8	230	CD	2200
M2691LL/A	8	500	CD	2435
Quadra 650: 68040, 33MHz				
M2104LL/A	8	500	CD	$2725
M2106LL/A	8	230	CD	2285
M2107LL/A	8	230		1910
Quadra 800 and 950: 68040, 33MHz				
M1329LL/A	8	500	CD	$2905
M1291LL/A	8	1000		3270
M6780LL/A	16	1000		4560
Quadra 840AV: 68040, 40MHz				
M1837LL/B	16	500	CD	$3800
M1838LL/B	16	1000	CD	4400
M9028LL/A	8	230	CD	3220
Personal LaserWriter 320				
M2178LL/A	PostScript, 300 dpi, 4 ppm			$805

▼ And Books, Too

If you cannot find the computer books you want in the Book Center's Reference section, tell us what books you want to buy. Send specific titles or areas of interest to: Maureen O'Brien, 160 Williamson Hall, Minnesota Book Center, 231 Pillsbury Drive SE, Minneapolis, MN 55455.

A 10% Discount

The prices listed below are suggested retail prices. The amount you actually pay will be less because you will receive a 10% discount at the cash register.

Here are some recent additions to the Reference section:

❏ *Connecting to the Internet: An O'Reilly Buyer's Guide* by Esrada, an O'Reilly & Associates publication for $15.95.

❏ *Hands on Internet: A Beginning Guide for PC Users* (with disk) by Sachs, a Prentice Hall publication for $23.95.

❏ *How Networks Work* by Derfler, a Ziff-David publication for $24.95.

❏ *Internet for Dummies* by Levine, an IDG publication for $29.95.

❏ *Mac Internet Tour Guide* (with disk) by Fraase, a Ventana Press publication for $27.95.

❏ *MacWorld Networking Handbook* by Kosiur, an IDG publication for $29.95.

❏ *Modems for Dummies* by Rathbone, an IDG publication for $16.95.

❏ *Navigating the Internet* by Gibbs, a SAMS publication for $24.95.

❏ *Resedit Complete* 2nd edition (with disk) by Alley, an Addison-Wesley publication for $34.95.

❏ *The Instant Internet Guide* by Helslop, an Addison-Wesley publication for $14.95.

❏ *The Internet Companion Plus* (with disk) by Laquey, an Addison-Wesley publication for $19.95.

❏ *The Whole Internet: User's Guide & Catalog* by Krol, an O'Reilly & Associates publication for $24.95.

❏ *Zen & The Art of the Internet, 3rd edition* by Kehoe, a Prentice Hall publication for $23.95.

Training Update
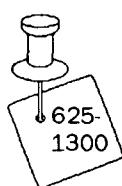
Distributed Computing Services owns training packages for many popular software products. These training packages are available to University of Minnesota departments and current employees and students. There is no fee for using these packages, and you may check them out for 48 hours. However, before you can check them out, you must sign a *Usage Agreement* and leave your University of Minnesota ID with us. We will return your ID when you return the training materials.

Generally the IBM/MS-DOS disks are available on 5.25-inch 360K and 3.5-inch 720K disks; the Macintosh disks are 800K.

Reservations Required

To reserve or check out these materials, phone 625-1300 or stop in our Shepherd Labs office in room 190, Monday-Friday, 8 am to 4 pm.

Unless you use our Self-Paced Training Centers, you must supply your own software and equipment — such as software, computer, and cassette player — to use these training materials.

Training Center Hours

Location	Monday-Friday
1 Nicholson Hall	8 am to 7 pm
99 Coffey Hall	9 am to 4 pm

New Training Resources

In the past several months we've acquired over 70 training packages. Those packages are listed on the next pages.

memo

70 new training packages

☛ Upgrades: IBM

▼ DOS 6.0

❏ *What's New for DOS 6.0*
and *DOS 6 Made Easy*
Audio training from Personal Training
Systems. This tutorial is for experi-
enced DOS users who want to learn
to put the important new features to
work immediately, such as take
advantage of virus protection with
VSAFE and MSAV, use memory
effectively with MemMaker, and
automate their input.

▼ WordPerfect 6

❏ *Updating to WordPerfect 6.0*
This video from VioGrafix is designed
to teach you the new features of
WordPerfect 6, such as the new dialog
boxes, new macro power, better drag
and drop techniques.

❏ *What's New in WordPerfect 6
for DOS*
This audio packages from One on
One Training covers understanding
the new interface, working more
efficiently, managing files easily,
creating attractive documents, and
learning other special features.

☛ IBM Languages

▼ C++

❏ *The World of C++*
Video training from Borland Interna-
tional. This video guides you through
exercises and sample course code to
give you an understanding of how
C++ works and how you can use it to
streamline your programs and speed
through development cycles.

❏ *World of ObjectWindows for C++*
With this video training from Borland
International you will learn to create
Windows applications using OOP
(Object-Oriented Programming).
Topics covered include frames,
windows, device independent graph-
ics, dialogs, controls, collections and
streams, printing, multiple document
interfaces, object windows and DLLs.

▼ Objects

❏ *World of Objects*
This video training from Borland
International introduces you to the
world of object-oriented program-
ming and explains how this revolution
in new software technology benefits
developers and users.

▼ Turbo Pascal

❏ *Learning Programming Today
with Turbo Pascal*
In this video from Borland Interna-
tional you will learn how write
programs. Topics covered include
writing your first program, variables
and data types, program control,
console input/output, static and
dynamic data structures, and graphics.

☛ IBM Applications

▼ Access (from Microsoft)

We have three video packages from
QuickStart Technologies.
❏ The *Introduction* tutorial covers
database concepts, launching
Access, screen and window ele-
ments, opening and viewing objects,
introduction to tables and queries,
and introduction to forms and
reports.

❏ The *Using Forms and Reports*
tutorial will help you become
familiar with the forms and reports
tools features to efficiently display
information on screen and in print.

❏ The *Using Tables and Queries*
tutorial will help you become
familiar with the tables and queries
features to efficiently create and
search a database.

▼ AmiPro for Windows,
Releases 2 & 3

❏ *How to Use AmiPro for Windows,
Releases 2 and 3*
This audio tutorial from One on One
Training covers getting started,
moving ahead, formatting with style,
using special features.

▼ Database Management Overview

❏ *World of Database Management*
Video training from Borland Interna-
tional. In this video you will learn
about the latest development in
database software technology. Topics
covered include data integrity and
security, locking, and triggering.

▼ DOS 6.0

❏ *How to Use MS-DOS 6*
This audio tutorial from One on One Training covers getting started, moving beyond the basics, gaining speed and efficiency, and using advanced features.

❏ *Professor DOS version 6*
This diskette based training from Individual Software covers PC and DOS concepts, DOS basics, using a hard disk, the DOS shell, DOS configurations, tools, and advanced DOS.

We have three DOS 6 video training packages from Anderson Soft-Teach.
  ❏ *Volume 1* covers DOS basics, viewing directories and files, creating and removing directories, working with disks, and managing files.

  ❏ *Volume 2* covers examining the DOS shell, working in the DOS shell, checking status information, understanding the path command, creating and running batch files.

  ❏ *Volume 3* covers backing up and restoring files, recovering deleted files, protecting against viruses, tools for Windows, and extras for experts.

Other DOS Training

We also have
• DOS 5 video training from Learn PC
• DOS 5 audio training from FlipTrack
• DOS 5 diskette based training from Individual
• and training for older version of DOS.

▼ Harvard Graphics

We have two video training packages from Micro Video Learning Systems.
  ❏ The *Learning Systems* tutorial covers creating and modifying text, pie, bar, and line charts as well as calculations and formulas.

  ❏ The *Advanced Learning Systems* tutorial covers importing and exporting data, exploring drawing, creating text charts and templates, creating subcharts, presentations and screenshows as well as hypershows.

▼ Harvard Graphics for Windows

❏ *How to Use Harvard Graphics*
Audio training from One on One Training. This tutorial covers getting started, moving ahead, shifting into high gear, and using special features.

▼ Lotus 1-2-3 Release 3

We have six video training packages from Learn PC.
  ❏ *Part 1, Creating Effective Spreadsheets* covers entering commands, information, and formulas.

  ❏ *Part 2, Customizing and Printing* covers applying formulas, dimensions of Release 3, customizing a worksheet, and printing.

  ❏ *Part 3, Mastering Linking and Database Management* covers using database features, advanced data management, controlling worksheet information, and linking files.

  ❏ *Part 4, Power of Macros* covers macro magic, advanced macros, and creating a macro menu.

  ❏ *Part 5, Utilizing Advanced Functions* covers "at" function.

  ❏ *Part 6, Creating and Printing Graphs* covers, of course, creating and printing graphs.

▼ Lotus for Windows

We have three advanced audio training packages from One on One Training.
  ❏ *Functions and Analysis* covers advanced functions and analytical tools.

  ❏ *Macros* covers creating and using macros and automating production.

  ❏ *Spreadsheet Publishing and Graphics* covers enhanced spreadsheets and creating and using graphs.

▼ PageMaker 5.0

We have two *How to Use PageMaker 5* audio packages from One on One Training
  ❏ *Part 1* covers quickly creating, modifying, saving and printing documents, controlling the placement and appearance of text, placing and threading text, and controlling master pages.

  ❏ *Part 2* covers time-saving styles and style sheets, Aldus additions, story editor, library palette, managing long documents with the book feature, tables, rotating imported graphics, wrapping text, using special effects, and coloring capabilities.

▼ Paradox 4

We have three video packages from Micro Video Learning Systems
❏ *Beginning Skills* covers getting started, entering editing, sorting, and printing data.

❏ *Intermediate Skills* covers modifying tables, managing data, and using query by example.

❏ *Advanced Skills* covers using relational databases, working with forms, and using the report designer.

❏ *Individual Training for Paradox*
This diskette based tutorial from Individual Software covers getting started, managing a database, graphs, and more.

▼ Paradox for Windows

We have two video tutorials from Borland International
❏ *Learn Paradox for Windows*
This tutorial covers working with tables, creating and restructuring tables, creating forms, creating multiple forms, designing reports, query your data, advance queries, and more.

❏ *Learn ObjectPAL Today*
This tutorial covers ObjectPAL, a full features programming language that uses object-oriented concepts to help you create graphics application. This video will teach you how to create applications by programming in ObjectPAL and to learn the integrated development environment.

▼ PowerPoint 3 (a Windows application)

We have two video packages from Learn PC.
❏ *Part 1 of Microsoft PowerPoint 3.0 Video Training*
This video covers creating effective presentations through creating basic slides, enhancing your slides, and presenting your slides.

❏ *Part 2 of Microsoft PowerPoint 3.0 Video Training*
This video covers changing masters, using advanced color features, using advanced text features, enhancing graphs as well as working with other applications and presentations.

▼ Quattro Pro for Windows version 1.x

❏ *How to Use Quattro Pro*
This audio tutorial covers lining up and focusing your spreadsheet, sharpening your image, and zooming on specifics.

▼ Windows NT

We have two video training packages from QuickStart Technologies
❏ *Windows NT, Unit 1*
This video covers starting Windows NT, NT's file structure, using the program manager, and the control panel.

❏ *Windows NT, Unit 2*
This video covers working with the user manager, permission, auditing and ownership, using the disk administrator, hardware configure, and installation.

▼ Works 2.0 (from Microsoft)

❏ *How to Use Microsoft Works*
This audio package from Fliptrack covers writing with Works, creating a spreadsheet, using the database, and putting it all together.

▼ Word for Windows 2.0

❏ *How to Use Microsoft Word for Windows*
This audio training from One on One Training covers getting started, moving ahead, enhancing documents, and using special features.

We have six video packages from Learn PC.
❏ *Part 1, Creating Effective Documents* covers typing and editing text as well as basic formatting.

❏ *Part 2, Editing and Printing Essentials* covers editing a document, advanced formatting techniques and printing fundamentals.

❏ *Part 3, Perfecting Documents* covers advanced editing techniques, using the speller, grammar, thesaurus, and other tools.

❏ *Part 4, Creating Tables and Sharing Data* covers creating and using tables and sharing information and applications.

❏ *Part 5, Mastering Form Letters and Macros* covers creating form letters and utilizing macros.

❏ *Part 6, Desktop Publishing Made Easy* covers layout and graphics.

▼ WordPerfect 6 for DOS

❏ *How to Use WordPerfect 6 for DOS*
This audio tutorial from One On One Training covers creating and editing documents, formatting documents, mastering the new interface, learning the special features, and streamlining your file management system.

We have three video packages from Anderson Soft-Teach.
   ❏ *WordPerfect for DOS, Part 1*
   This video covers creating and revising a document, working with blocks of text, and perfecting a document.

   ❏ *WordPerfect for DOS, Part 2*
   This video covers multi-page documents, creating and modifying a table, merging documents, and managing files.

   ❏ *WordPerfect for DOS, Part 3*
   This video covers understanding styles, using graphics, automating with macros, working with outlines, and extras for experts.

▼ WordPerfect for Windows 5.1 and 5.2

❏ *Advanced Training for WordPerfect for Windows — Managing Long Documents*
This audio package from One on One Training covers unifying and assembling long documents.

❏ *How to Use WordPerfect for Windows*
This audio package from Fliptrack offers getting started, moving ahead, enhancing documents, and using special features.

☛ Mac Applications

▼ Excel 4.0

❏ *Individual Training for Microsoft Excel v 4.0*
This disk based tutorial from Individual Software covers basic skills, worksheets, formulas, databases and data forms, and charts.

▼ MacWrite Pro 1.0

We have two video packages from MacAcademy.
   ❏ *Tape 1* covers help, invisibles, inserting text, saving, printing, I-beam, selecting, cut, copy, paste, format, ruler, indents, copy ruler, paragraphs, tabs, spelling checker, thesaurus, and page setup.

   ❏ *Tape 2* covers saving options, insert variable, program options, tables, tool palette, color, insert columns, sorting, framing tables, headers/footers, preferences, view menu, edit headers, insert breaks, and creating and editing footnotes.

▼ Works 2.0 (a Microsoft product)

❏ *The How to Use Microsoft Works*
This audio package from Fliptrack covers creating the spreadsheet, using the database, writing with works, and putting it all together.

▼ PageMaker 5.0

We have two audio packages from One on One Training
   ❏ *How to Use PageMaker 5, Part 1*
   covers importing and editing text, placing and cropping graphics, creating master pages and templates, formatting multi-column publications, using drawing tools, printing publications, and using the Story Editor.

   ❏ *How to Use PageMaker 5, Part 2*
   covers producing a multi-column brochure, placing and manipulating graphics, creating a table of contents and indexes, assembling and printing books, using Aldus additions, using printing and special effects, exploring links.

☛ Mac Overviews

▼ National Information Infrastructure

❏ *Perspectives on the National Information Infrastructure*
This video from Apple covers recommendations for actions.

▼ Distributed Computing

❏ *Applications Development in the 1990s — Making the Transition.*
In this video from Apple industry experts discuss the principles guiding their organizations' transitions to distributed computing environments. You'll learn how various companies are capitalizing on the power and flexibility of personal computers to develop applications and using a range of tools.

▼ Client/Server

❏ *Client/Server Computing.*
In this video from Apple four companies explain how specific tools and technologies helped them migrate to client/server architecture. They show how client/server systems improved the efficiency of their business process. Michael Spindler from Apple explains Apple's perspective on this architecture and its evolution.

▼ Connectivity

❏ *Connectivity — Networking and Communications in Multivendor Environments.*
In this video from Apple you will learn how the modular architecture of the Macintosh, combined with built-in networking and Apple's support for major protocols and standards, enable you to deliver a wide range of networking services. You will learn how the consistent user environment the Mac brings to networking can reduce costs associated with support, administration, and training.

☞ IBM & Mac Applications

▼ PageMaker 5.0

We have four video training packages from MacAcademy/Windows Academy. These packages are designed to be used with both Mac and IBM-compatibles.
   ❏ *Part 1* covers Macintosh and Windows installation • page setup • guides • elements • pasteboard • views • insert pages • tools • text • master page • headlines • layout • additions • placing graphics • cropping tool • auto flow text • inline placement • and more.

❏ *Part 2* covers 3 fold document • save • preferences • column guides • multiple paste • color palette • copy/paste • rotate graphic • control palette • story editor • spell check • find/change • style palette • paragraph specs • inline graphic • library palette • edit styles • control palette • rotate text • printing.

❏ *Part 3* covers Windows preferences • mapping fonts • Windows and Mac help • new document • change settings • bleed fill • multiple master pages • place text • column guides • tile settings • define styles • and more.

❏ *Part 4* covers cascade/title • library palette • tab ruler • Aldus additions • placing graphics • crossover graphics • text wrap • widows and orphans • text width and track • group • links • re-establish link • search library • color palette • index • table of contents • image control • sort pages • make booklet • and more.

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Get it on Gopher

▼ 51 Reasons to Build the National Information Infrastructure

Early in 1993, FARNet (Federation of American Research Networks) issued a call for members of the networking community to participate in a project: 51 Reasons to Build the National Information Infrastructure. The individual papers and a submission form are available on Gopher.

Examples and Access to FARNET Report
The reasons submitted are far ranging, such as
• Nurses in Hawaii harness the power of the Internet
• Retired Professor uses Internet to expand his circle of colleagues (University of Wisconsin-Green Bay)

To find the report follow this path
• Other Gopher and Information Servers
   • North America
      • USA
         • Washington DC
            • Coalition for Networked Information
               • Coalition FTP Archives
                  • Coalition Miscellaneous Documentation
                     • FARNET; 51 Reasons to Build...

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Bargains

Minuet 1.0B14

Minnesota INternet User's Essential Tool
We recently released a new version of Minuet: 1.0Beta14. The new version contains enough changes that we urge all Minuet users to install it. The document called 00NEW.TXT contains a more detailed list of the changes.

Those who upgrade do not need to worry about recreating group names or what happens to the mail they are saving. This information is not overwritten or otherwise disturbed when you upgrade.

Use Gopher+ to Change Your Password

One highlight of this upgrade is that Minuet now supports Gopher+, a set of proposed enhancements to the Gopher protocol. We've implemented the Gopher+ feature that lets Gopher ask you questions and lets you answer them. This feature acts like an interactive electronic form, and we implemented it to make it easier for you to change your password and directory information.

Now that Minuet's Gopher supports Gopher+, you can use it to change your E-mail password. If you don't know how to do this, read *How To Change Your Password and Other Security Survival Tips* elsewhere in this issue.

What is Minuet?

For those of you not aware of Minuet, it is a toolbox of the most commonly used network software and replaces or supplements other standalone software, such as PC Gopher. We reviewed Minuet in our November 1993 newsletter, and we featured Minuet's news reader in our December 1993 issue. Minuet includes these modules:
- POPmail
- Gopher+
- Telnet with VT100 support
- FTP (very useful for anonymous FTP)
- News Reader
- Custom script to connect to LUMINA
- U of M and a Global Address Book
- Finger, IP Finder, and Ping

Obtaining Minuet

There are many ways to obtain Minuet software.

The Floppy Disk Way
You may bring floppy disks to any Microcomputer HelpLine and use the IBM Information Server to copy the software from the P: (public) drive. If you plan to use Minuet with a modem, you can use the

```
slipdisk
```

procedure (a batch file) to copy Minuet and SLIP to a floppy disk. If you just want the upgrade or plan to use Minuet with Ethernet or EtherJack, you can copy Minuet from this directory:

```
p:\internet\minuet
```

Other Methods
If you're on a Novell network on campus, look for the server name *micro_info*. If you see this server, you can log on as username guest and access all of the available software on the P: drive.

You can also use ftp software, with some limitations. Connect to bingo2.micro.umn.edu and log in as user *anonymous* and switch to drive P: with the *cd p:* command. Or use anonymous ftp to boombox.micro.umn.edu and look in the /pub/pc/minuet directory for the file named minuarc.exe. This is a self-extracting PKZIP file. Download the file (remember to put your ftp client into binary mode first if you're not using an older version of Minuet) and run it to extract the files.

Update for PowerBook Duos

Apple recommends that all Duo users install the Duo Battery Patch v1.0.R — although the primary target is PowerBook Duo 210s, 230s, and 250s using version 1.0 of the PowerBook Duo Enabler. To install the patch simply drag it onto your System folder. Future versions of Duo enablers will automatically include this extension. The free upgrade is available on the information volume of the Mac Information server. To find it follow this path

information
    For Your PowerBook
        Duo Battery Patch v1.0

How To Change Your Password
and Other Security Survival Tips

Avoid Malicious or Mischievous Use

All E-mail accounts on the University's gold and maroon systems are assigned an initial password, usually the account owner's student ID or social security number. Since these numbers are relatively easy for other people to obtain, it is important that you change that password as soon as you can. Do not let others use your account as a springboard to attack others or damage your reputation. For maximum security always keep your password a secret, be wary of people looking over your shoulder when you type it in, and don't let anyone coax it from you.

The exact steps you can take to change the password assigned to you depend on which software you use:
1. the POPmail/Gopher and Minuet software that runs on microcomputers
2. or the mail shell that runs on maroon and gold

POPmail/Gopher and Minuet Users

You can change your password by following this path from the University's Home Gopher Server:

  Phone Books
    Univ of Minn Phone Book (new and improved)
      Validation Utilities and Services

Once you select *Validation Utilities and Services* you will see a window similar to the one shown in Figure 1. After you've entered the required information, select the OK button to confirm your entry. (Macintosh users can also use the [Enter], but *not* the [Return], key. To see the OK button, you may have to resize the window.)

To actually change your password select

    Change Password

from the resulting list of choices. Once you've made that selection, you are presented with a *Change Password* "form" similar to the one shown in Figure 2. After you've entered the password information that is requested, select the OK button.

Figure 1: Step 1 in Changing Your Password
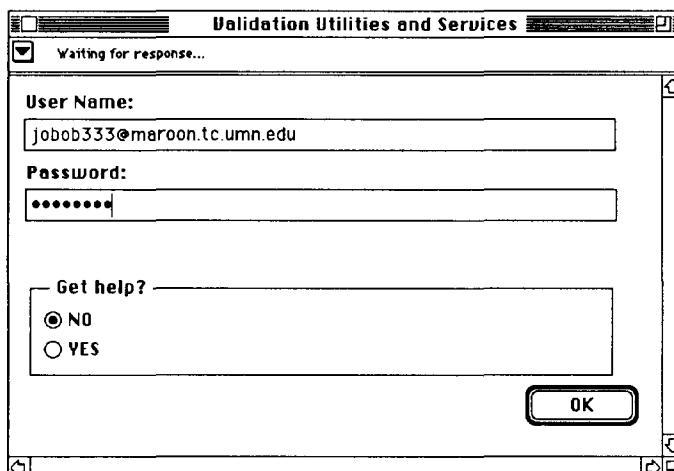
SLIP and Other Setup Menus

When you change your password on the maroon or gold systems, change the SETUP settings in POPmail and Minuet that record your old password.

SLIP users also need to change the settings where their old password was stored. MacSLIP records that information in the

        variables

"menu." PC SLIP/Minuet users should type

        SLIP SETUP

and select [F5].

The Mail Shell on Gold and Maroon

Log onto your account and select *Validation Utilities and Services*, an option shown in Figure 3. Once you've made this selection, another window will appear on your screen. The system requires you to type your user name in one "field" followed by a [Tab] (not [Return] or [Enter]). Then you enter your present password in a different field, followed by [Return] or [Enter]. You can stop (cancel) this process by typing [Control]-[G]. (If you have more than one account, and some students and staff do, use the same user name and password you used to log on to maroon or gold.)

Figure 2: The Change Password "Form"

```
 ▣▤▤▤▤▤▤▤▤▤▤▤ Change Password ▤▤▤▤▤▤▤▤▤▤▤▤
 ▼  Internet Gopher ©1991-1993 University of Minnesota.

 Old Password
 ┌─────────────────────────────────────────┐
 │                                         │
 └─────────────────────────────────────────┘
 New Password
 ┌─────────────────────────────────────────┐
 │                                         │
 └─────────────────────────────────────────┘
 Retype New Password
 ┌─────────────────────────────────────────┐
 │                                         │
 └─────────────────────────────────────────┘

                              ┌────────────┐
                              │     OK     │
                              └────────────┘
```
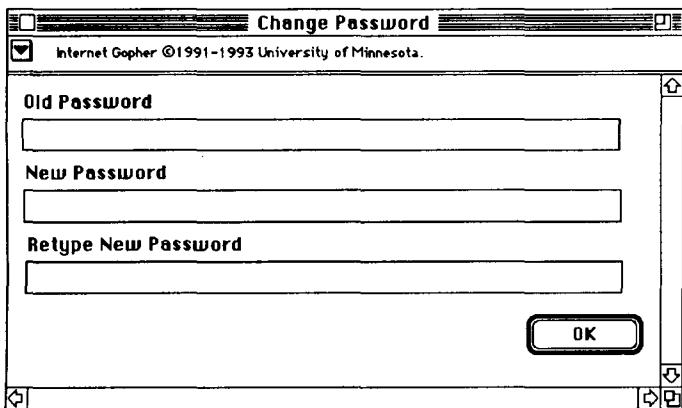
Once you've entered your user name and password, a new list of options will appear. Select *Change Password* from this list. Now you basically proceed as shown in Figure 2. Type in your old password, followed by a ⌨Tab. Then type in your new password, followed by a ⌨Tab. Finally, type in the new one a second time, followed by ⌨Return or ⌨Enter.

Acceptable Passwords

All passwords on the gold and maroon systems must
- be from 6 to 8 characters long
- not be all letters or all numbers
- not be identical to your user name

The system will reject unacceptable passwords and prompt you with system messages that include the password rules. These rules are designed to prevent you from using a password that is easy for a determined or clever thief to guess.

You cannot include a space in your password. We also caution you not to add numbers to the beginning or end of words, although numbers elsewhere are OK. To create a password, you can mix lowercase letters with capitals (the system is case sensitive), but we recommend that you avoid reversing words. A common way to create a password is to use the leading characters from a song title or phrase.

Is It Really Changed?

After you've successfully changed your password, you'll receive a confirmation message that warns you that it "may take a few minutes or more for the changes to take effect."

┌───┐
│   **T r o u b l e** shooting   │
└───┘

Forgot Your Password?

Since we are security conscious, you must follow special procedures to get us to give you a new password if you forget your old one or the system rejects your password. Staff begin by calling 626-5592. Students must go in person to one of these Computer Facilities: 14 Folwell or 26 Lind on the East Bank campus, 305 McNeal on the St. Paul campus, or HHH 50 on the West Bank campus.

System Won't Accept Your Password?

Occasionally, because the system is "experiencing technical difficulty" it will reject everyone's password and username. If you suspect this is the case, call 626-1819. If maroon or gold are down or having other problems, you'll hear a status report when you call this number.

─────────────────────■─────────────────────

Figure 3: The Mail Shell on Maroon and Gold

```
Computer and Information Services
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(jobob333) - Robert U Jobob-1

  1. Electronic Mail
  2. Gopher
  3. X.500 Directory
  4. Public Access (LUMINA)
  5. News Reader
  6. Validation Utilities and Services
  7. Special Utilities

Press "?" for help, "q" to Quit, "u" to go up a menu:
-----------------------------------------------------
```
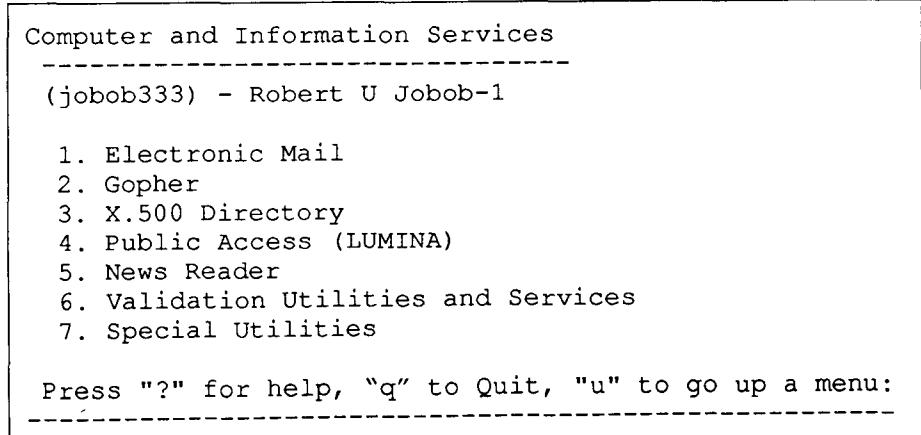
Free Help: Computing and Information Technologies

	Phone		Help Line Hours

Central Systems

These systems require a user name and password, which you get when you open an account.
Qualified users can apply for grants to cover some computing related costs.

☐ EPX (Unix), NVE (NOS/VE), UZ (Ultrix), VX and VZ (VMS) .... 626-5592 .... M—F .... 9 am to 4 pm
    (System Status Line 626-1819) ...... 1 Nicholson Hall Walk-in Consulting .... M—F .... 8 am to 7 pm
☐ VM1 (IBM/CMS), 99B Coffey Hall Walk-in Consulting .... 624-6235 .... M—F .... 9 am to 4 pm
☐ MEDLINE (MinnesotaMEDLINE on NVE) .... 626-8366 .... M—F .... 9 am to 4 pm

Distributed Systems: Microcomputers, Workstations, LANs

Software, hardware, peripherals, local area networks .... 626-4276 .... M—F .... 9 am to 4 pm
☐ East Bank .... 152 Shepherd Labs .... above .... above .... above
☐ West Bank .... 93 Blegen .... above .... above .... 1 pm to 4 pm
☐ St. Paul .... 99B Coffey Hall .... above .... above .... 1 pm to 4 pm

E-mail and LUMINA

☐ E-mail: call for help using your University account .... 626-7676 .... M—F .... 9 am to 4 pm
    Forgot your password? Students must go to Computer Facilities in 14 Folwell, 26 Lind, 305 McNeal, or HHH 50.
    Staff must call 626-5592. Troubleshooting: if Maroon or Gold are down, you'll hear a status report at 626-1819.
☐ LUMINA: call if you have trouble connecting .... 626-5592 .... M—F .... 9 am to 4 pm

Computer Services Information .... 625-1555 .... any day .... any time

General Information

Associate Vice President and
Associate Provost Academic Affairs
Donald R. Riley, Professor 626-9816

University Computing and Information Services
Biomedical Graphics, various locations 626-3939
Central Computing Services, 100 LaudCF 6-1600
    Accounts: EPX, NVE (incl MEDLINE), UZ, VX, VZ 6-8366
    Data Entry 6-8351
    Tape Librarian 6-1838
    Statistics Services 5-2303
Computer Facilities (also call individual facilities) 5-1300
_FolH5-4896 _Lind6-0856 _McN4-5367 _HHH4-6526 +more
Disability and Computing Services, voice 6-0365
    TDD 6-0569
Distributed Computing Services, 190 Shep Labs 5-1300
Engineering Services, 103 LaudCF 5-1595
    Equipment Repair and Warranties 5-1595
Faculty Resource Center (to make an appointment) ... 5-1300
Gopher Server Setup (for a fee) 5-2303
Kodak Printer Service 6-1661
St. Paul Computing Services, 50 CofH 4-7788
    Accounts: VM1 (IBM/CMS) 4-7788
    Data Entry 4-7297
    Tape Librarian 4-3482
    Statistics Services 6-6235
Software Services (includes contract programming) ... 5-2303
Supercomputer Center Help, 3030 SCC 6-0808
Telecommunications, 30 TelecomB
    Networking Services Information 6-7800
    Networking Services Repair 5-0006
Training, Course Registration, 190 ShepLab 5-1300
U Libraries, Integrated Information Center 4-2020
University Networking Services, 130 Lind 5-8888

Williamson Hall Book Center, Computer Dept .. 625-3854
    (inventory and prices also available on Gopher)

Access Information

SLIP: 2400/9600 ——————————————— 626-1920
SLIP: ADI-100 and ITE (with MKO)———————— 3-0291

☎ Terminal settings for these   ▷ Dial-in Server: 626-**0300**,
systems are 8-1-N (8 data   **-1200, -2400, -9600**
bits, 1 stop bit, no parity)
unless otherwise noted.   ☐ At 9600 Telecomm
The number you dial may   supports V.32 and MNP
depend on the modem's   level 5 error correction.
bps or baud rate.
    ☐ On campus ADI-100 and
✍ Internet addresses.   ITE setups use 626-2400.

LUMINA: 300/1200/2400 .... 625-6009 ☎
    ————————— LUMINA.LIB.UMN.EDU ✍
E-mail and Internet Service and Servers, Twin Cities
    GOLD.TC.UMN.EDU and MAROON.TC.UMN.EDU ✍
Gopher, alternate access (log in as gopher)
    300, 1200, 2400, 9600 .... see *Dial-in Server* ☎
    ————————— CONSULTANT.MICRO.UMN.EDU ✍
Consulting via E-mail: *low priority Central System ques*
    Format _____ CONSULT@MACHINE.NAME.UMN.EDU
PUBINFO SecureID 19.2 V.32 or V32bis .626-1061 ☎
    ————————— PUBINFO.AIS.UMN.EDU ✍
EPX, NVE (includes MEDLINE), UZ, VX, VZ
    300, 1200, 2400, 9600 .... see *Dial-in Server* ☎
    300/1200/2400 at 7-1-even .... 626-1630 ☎
    EPX or UZ or VX or VZ or NVE.CIS.UMN.EDU ✍
EPX, NVE (includes MEDLINE)
    300/1200/2400 .... 625-1445 ☎
    up to 19.2 campus data phone .... 3-2400 ☎
VM1 (IBM/CMS) at 7-1-even
    1200/2400 .... 624-4220 ☎
    9600 .... 624-3668 ☎
    up to 19.2 campus data phone .... 4-4220 ☎
    ————————————— VM1.SPCS.UMN.EDU ✍

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Department ☐   Faculty ☐   Staff ☐   Student ☐   Alumni ☐   Other ☐

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