

# **Accessing MIRLYN, U-M's Online Library System**

**Ethernet Networks, Dial-In Connections, and Campus  
Computing Sites**

University of Michigan  
Information Technology Division

Step-by-step S4180  
March 1995

We welcome your suggestions, comments, and compliments about this document. Send e-mail to [itd.doc.comments@umich.edu](mailto:itd.doc.comments@umich.edu).

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## Introduction

This document explains how to access MIRLYN, the University Library's computerized library system, from campus Ethernets, dial-in connections to a Network Access Server (NAS), and the Campus Computing Sites.

MIRLYN is available for searching from 8:00 a.m. to 4:00 a.m. daily. Searching instructions are provided online on the MIRLYN help screens, and are also available from any unit of the University Library.

## Connection Methods and Software

Communications programs that ITD recommends for MIRLYN access are listed below. Many of these programs can be used over an Ethernet, a dial-in line using PPP, a dial-in line using terminal emulation software, and from the Campus Computing Sites. The last column shows which programs display diacritical marks in MIRLYN.

### Connecting to MIRLYN

| Platform  | Software               | Ethernet | Dial-In<br>PPP | Dial-In<br>Terminal<br>Emulation | Campus<br>Sites | Diacritics |
|-----------|------------------------|----------|----------------|----------------------------------|-----------------|------------|
| Windows   | McGill Univ.<br>tn3270 | Y        | Y              | N                                | Y               | Y          |
|           | LAN WorkPlace          | Y        | Y              | N                                | N               | N          |
|           | PC/TCP                 | Y        | Y              | N                                | N               | N          |
|           | Windows<br>Terminal    | N        | N              | Y                                | N               | N          |
| DOS       | PC/TCP                 | Y        | Y              | N                                | N               | N          |
|           | PROCOMM<br>PLUS        | N        | N              | Y                                | N               | N          |
|           | Kermit                 | N        | N              | Y                                | N               | N          |
| Macintosh | Brown Univ.<br>tn3270  | Y        | Y              | N                                | Y               | Y          |
|           | NCSA Telnet            | Y        | Y              | N                                | N               | N          |
|           | VersaTerm              | Y        | Y              | Y                                | N               | N          |
|           | Kermit                 | N        | N              | Y                                | N               | N          |

## tn3270 and telnet

You can access MIRLYN using one of two communications protocols: either tn3270 or telnet. Both of these widely used protocols make it possible to use workstations to access remote computers and services on the Internet. The tn3270 (for “telnet 3270”) protocol uses the full-screen mode required by MIRLYN and some other IBM mainframe hosts. It is named after a once popular IBM display terminal that had the number 3270.

tn3270 is the recommended method, because many tn3270 implementations display diacritical marks in MIRLYN, while telnet software programs do not. (Diacritical marks are symbols added to letters to indicate special phonetic values.) tn3270 software recommended by ITD and the University Library includes McGill University TCP3270 for Windows and Brown University tn3270 for the Macintosh. Other implementations of tn3270 will work with MIRLYN, but not all support diacritical marks.

Note that MIRLYN's tn3270 host name is slightly different from its telnet host name. The tn3270 host name is:

```
mirlyn.lib.umich.edu
```

The telnet host name is:

```
mirlyn.telnet.lib.umich.edu
```

## Ethernet Networks

Campus Ethenets provide direct, high-speed connections to MIRLYN using either the tn3270 protocol or the telnet protocol. The tn3270 protocol is the recommended access method, as noted in the previous section.

Software instructions for MIRLYN access over an Ethernet are included in the “Software Instructions” section later in this document.

## Campus Computing Sites

See the “Campus Computing Sites” section later in this document for details about MIRLYN . access from the Campus Computing Sites. .

## Dial-In Connections

The Network Access Server (NAS, pronounced “nass”) provides dial-in connections to MIRLYN and other Internet hosts at speeds up to 28.8 Kbps, depending on the speed of your modem. There are two ways to connect to the NAS:

- Using PPP (point-to-point protocol).
- Using a terminal emulation program such as PROCOMM PLUS, Kermit, or VersaTerm.

PPP is the recommended dial-in access method, because programs that use PPP and the tn3270 protocol make it possible to display diacritical marks in MIRLYN. For information about obtaining PPP software, as well as modem and software settings to use for NAS access with PPP, see *Dialing In to the NAS With PPP*, Reference R1130.

See the “Software Instructions” section later in this document for details about MIRLYN access using PPP and terminal emulation software.

# Software Instructions

## Windows Software

Windows programs that you can use to access MIRLYN include McGill University TCP3270, LAN WorkPlace, other Windows-based TCP/IP environments, and PC/TCP.

### McGill TCP3270

McGill University TCP3270 for Windows can be used with LAN WorkPlace to access MIRLYN and display the system's diacritical marks. The software is included in the DOS/Windows Connectivity Kit provided by ITD. For information about obtaining TCP3270, see the GopherBLUE information server under the "Computing on Campus" and "U-M Software Information" menus. For installation instructions, see *QuickNote: Using McGill tn3270 With LAN WorkPlace for DOS, Step-by-step S4160*.

Follow these steps to access MIRLYN:

1. In your LAN WorkPlace for DOS folder under Windows, double-click the TN3270 icon.
2. The Open New Session dialog box will open. In the IP Host/Gateway field, enter the host name:

`mirlyn.lib.umich.edu`

3. Click Connect to establish a connection to MIRLYN. MIRLYN will display the message "Your terminal type is .... " Press Enter to display the initial MIRLYN screen, the Database Selection Menu.

To create a custom profile so you won't have to enter the complete host name each time you want to access MIRLYN, follow these steps:

1. While you are connected to MIRLYN, choose Options from the menu bar. Select Session to open the Session Preferences dialog box.
2. From the scroll menu on the left side of the dialog box, click Host. The Host Name Options window will appear.
3. In the Session Long Name field, enter MIRLYN. In the Short Name field, enter M (or whatever abbreviation you choose). Click OK.

Follow these steps if you want to automatically connect to MIRLYN each time you run TCP3270:

4. Choose Options from the menu bar. Select Save Options to open the Save Profile dialog box.
5. Select "Start profile automatically." Click Save.

### **LAN WorkPlace**

This section explains how to access MIRLYN using LAN WorkPlace for DOS, a popular TCP/IP communications software package, and Windows Host Presenter.

LAN WorkPlace is included in the DOS/Windows Connectivity Kit provided by ITD. For information about obtaining the software, see the GopherBLUE information server under the "Computing on Campus" and U-M Software Information" menus. For installation instructions, see *Installing LAN WorkPlace for Ethernet and Direct SCP Connections, Step-by-step S4136*, or *Installing LAN WorkPlace for Dialing In to the NAS, Step-by-step S4187*.

Follow these steps to access MIRLYN from Windows:

1. Double-click the LAN WorkPlace icon to open the LAN WorkPlace program group.
2. Double-click the Host Presenter icon. The Host Presenter window will open first, followed by the Open Session dialog box.
3. Enter the following in the Host Name text box:

```
mirlyn.telnet.lib.umich.edu
```

4. Enter MIRLYN in the Session Name text box (optional).
5. Click the Open button or press the Enter key to open the connection.
6. MIRLYN will display the message "Your terminal type is ...." Press Enter to display the initial MIRLYN screen, the Database Selection Menu.

To create a custom profile so you won't have to enter MIRLYN's complete host name each time you want to access it, follow these steps:

1. Choose Setup from the menu bar. The Setup window will appear.
2. Create a custom profile by selecting profile elements (host, fonts, colors, and so on) from the Setup drop-down menus.
3. If you want this profile to become your default profile and appear every time you start Host Presenter, select Save as Default Profile from the Profile menu and skip to Step 6.
4. If you do not want to save this profile as the default profile, select Save As from the Profile menu. The Save As dialog box will appear.
5. Type MIRLYN in the File Name text box. If necessary, choose a directory for the profile from the Directories list box.
6. Click OK to return to the Setup dialog box.
7. If you want to use the new profile to connect to MIRLYN immediately, click OK. If you want to return to the terminal session window without connecting to MIRLYN, click Cancel.

## DOS Software

For information about obtaining PC/TCP software and documentation, see the GopherBLUE information server under the "Computing on Campus" and "U-M Software Information" menus. For information about obtaining and using PROCOMM PLUS for MIRLYN access, see *Using the PC-Compatible as a UMnet Terminal: The PROCOMM PLUS Program*, Reference R1033.

## Macintosh Software

Macintosh programs that you can use to access MIRLYN include Brown University tn3270, NCSA Telnet, and VersaTerm.

### Brown University tn3270

NCSA/Brown University tn3270 can be used to access MIRLYN and display the system's diacritical marks. For information about obtaining Brown University tn3270, see the GopherBLUE information server under the "Computing on Campus" and "U-M Software Information" menus.

Follow these steps to access MIRLYN:

1. Open the NCSA/Brown University tn3270 folder by double-clicking the tn3270 folder icon.

If you obtained the software from the Institutional File System swdist directory, double-click the MIRLYN icon to establish a connection to MIRLYN. If you did not obtain the software from swdist, follow these steps:

2. Open tn3270 by clicking its icon.
3. Under the File menu, choose Open Connection. A dialog box will appear.
3. Enter the following for the Host Name:  

```
mirlyn.lib.umich.edu
```
4. Click Open Connection to open a connection to MIRLYN. MIRLYN will display the message "Your terminal type is ...." Press Enter to display the initial MIRLYN screen, the Database Selection Menu.

To save this session so you'll automatically be connected to MIRLYN each time you launch Brown University tn3270, follow these steps:

1. Under the File menu, choose Save Settings. A dialog box will appear.
2. Save the settings as MIRLYN and indicate where you want the settings file saved. Click Save.
3. Type stop and press Return to close your connection to MIRLYN.
4. From the File menu, choose Quit to quit tn3270.

### **NCSA Telnet**

NCSA Telnet is a popular TCP/IP communications program that is included in the Macintosh Connectivity Kit provided by ITD. For information about obtaining the software, see the GopherBLUE information server under the “Computing on Campus” and “U-M Software Information” menus.

Follow these steps to access MIRLYN using NCSA Telnet 2.6 for the Macintosh:

1. Start NCSA Telnet by double-clicking the Telnet icon.
2. From the File menu, choose Open Connection. A window will open.
3. In the Host/Session Name field, type the following:

```
Mirlyn.telnet.lib.umich.edu
```

4. Click Connect to open a connection to MIRLYN. MIRLYN will display the message “Your terminal type is ....” Press Enter to display the initial MIRLYN screen, the Database Selection Menu.

To save this session so you won't have to enter MIRLYN's complete host name each time you want to access it, follow these steps:

1. While you are connected to MIRLYN, open the File menu and choose Save Set.
2. Type MIRLYN in the “Save Set to” field, and select a folder for the new MIRLYN settings file. Click Save. The next time you want to access MIRLYN, double-click the icon you created.

### **VersaTerm**

VersaTerm's telnet client can be used with MacTCP to access MIRLYN over Ethernet networks and from the Campus Computing Sites. For dial-in access, MacPPP is also required. For more information, see *QuickNote: Installing and Using Versa Term 5.0*, Step-by-step S4141, and *Installing MacPPP for NAS Access: High-Speed Dial-In Connections to the Internet*, Step-by-step S4122.

### **Dial-In Connections**

As noted in the “Connection Methods and Software” section earlier in this document, PPP is the recommended dial-in access method for MIRLYN, because programs that use PPP and the tn3270 protocol make it possible to display diacritical marks in MIRLYN.

### **PPP Software**

For information about obtaining PPP software, as well as modem and software settings to use for NAS access with PPP, see *Dialing In to the NAS With PPP*, Reference R1130.

ITD recommends the following packages for dial-in MIRLYN access using PPP:

### Dialing In to MIRLYN With PPP

| Platform  | Software                  | PPP and tn3270 | PPP and telnet |
|-----------|---------------------------|----------------|----------------|
| Windows   | McGill University TCP3270 | Y              | N              |
|           | LAN WorkPlace             | N              | Y              |
|           | PC/TCP                    | N              | Y              |
| Macintosh | Brown University tn3270   | Y              | N              |
|           | NCSA Telnet               | N              | Y              |
|           | VersaTerm*                | N              | Y              |

\* VersaTerm can also be used in terminal emulation mode.

Follow these steps to use PPP software to access MIRLYN from a NAS:

1. Dial 313/998-1300 (v.32bis/v.42bis) or 313/213-7970 (v.34) to connect to the Ann Arbor NAS. From a campus phone, precede both numbers with a 9.
2. Follow the instructions in *Dialing In to the NAS With PPP*, Reference R1130, to initiate your PPP session.
3. Follow the software instructions earlier in this document to open a new tn3270 or telnet session.
4. tn3270 users should enter this host name:

mirlyn.lib.umich.edu

telnet users should enter this host name:

mirlyn.telnet.lib.umich.edu

5. MIRLYN will display the message "Your terminal type is ...." Press Enter to display the initial MIRLYN screen, the Database Selection Menu.

#### Terminal Emulation Software

For information about modem and software settings to use for NAS access with a terminal emulator, see *Dialing In to the NAS With Terminal Emulation Software*, Reference R1163.

Follow these steps to access MIRLYN from a NAS:

1. Dial 313/998-1300 (v.32bis/v.42bis) or 313/213-7970 (v.34) to connect to the Ann Arbor NAS. From a campus phone, precede both numbers with a 9.

2. The NAS will display the prompt:

```
host :
```

3. To establish a connection to MIRLYN, enter:

```
mirlyn.telnet.lib.umich.edu
```

4. The NAS will display an "Access Controlled" message, and prompt you for your username and password. Your input is in bold:

```
host: mirlyn.telnet.lib.umich.edu  
Access Controlled  
login: username@umich.edu  
Password: [blanked]
```

5. You'll then be connected to MIRLYN. MIRLYN will display the message "Your terminal type is ...." Press Enter to display the initial MIRLYN screen, the Database Selection Menu.

You can also access MIRLYN through the NAS Host Connection Menu. Follow these steps:

1. Enter the following at the NAS "host:" prompt:

```
menu
```

2. Select the Libraries sub-menu, and then the entry titled "University of Michigan-MIRLYN."

## ***Campus Computing Sites***

You can access MIRLYN using either the tn3270 protocol or the telnet protocol from the Campus Computing Sites. ITD recommends that you use tn3270 software because these programs display diacritical marks in MIRLYN, while telnet software programs do not.

### **Windows Software**

#### **McGill TCP3270**

Follow these steps to access MIRLYN using McGill University TCP3270 from a Windows system at a Campus Computing Site:

1. From the Campus Computing Sites' main menu, select "Windows and Windows Applications."
2. From Windows Program Manager, double-click the IP Clients folder, then the win3270 icon.

3. The Open New Session dialog box will open, and a MIRLYN entry will appear in the Profile field. Click the entry or enter a carriage return (the Enter key). You'll see the initial MIRLYN screen, the Database Selection Menu.

## Macintosh Software

### Brown University tn3270

Follow these steps to access MIRLYN using the Brown University tn3270 client from a Macintosh at a Campus Computing Site:

1. Double-click the Applications folder, then the Communications folder, then the tn3270 folder.
2. Drag the MIRLYN icon to the tn3270 icon to open a connection to MIRLYN. You'll see the initial MIRLYN screen, the Database Selection Menu.

## Additional Resources

For assistance using MIRLYN, contact the University Library Reference and Information Center at (313) 764-9373 or through e-mail to [mirlyninfo@umich.edu](mailto:mirlyninfo@umich.edu).

The following documents contain additional information for MIRLYN users:

*Dialing In to the NAS With PPP*, Reference R1130

*Dialing In to the NAS With Terminal Emulation Software*, Reference R1163

*Installing LAN WorkPlace for Dialing In to the NAS*, Step-by-step S4187

*Installing LAN WorkPlace for Ethernet and Direct SCP Connections*,  
Step-by-step S4136

*Installing MacPPP for NAS Access: High-Speed Dial-In Connections to the Internet*,  
Step-by-step S4122

*QuickNote: Installing and Using VersaTerm 5.0*, Step-by-step S4141

*QuickNote: Obtaining Software From U-M*, Step-by-step S4147

*QuickNote: Using McGill tn3270 With LAN WorkPlace for DOS*, Step-by-step S4160

*Using the PC-Compatible as a UMnet Terminal: The PROCOMM PLUS Program*,  
Reference R1033

All these publications are available at the larger Campus Computing Sites, including Angell Hall Courtyard, Michigan Union, NUBS Computing Resource Site, 611 Church Street, and North Campus Commons. They are also available online; see the GopherBLUE information server for more information. Send e-mail to [itd.doc@umich.edu](mailto:itd.doc@umich.edu) or call 313/763-8961 to request that publications be mailed to you.

ITD consultants provide computer assistance at 3131764-HELP; the NUBS and Angell Hall Courtyard computing sites; and via e-mail ([online.consulting@umich.edu](mailto:online.consulting@umich.edu)). For more information on consulting, documentation, workshops, and other services, see GopherBLUE. To learn how to use this server, see *QuickNote: Accessing GopherBLUE*, Step-by-step S4124.