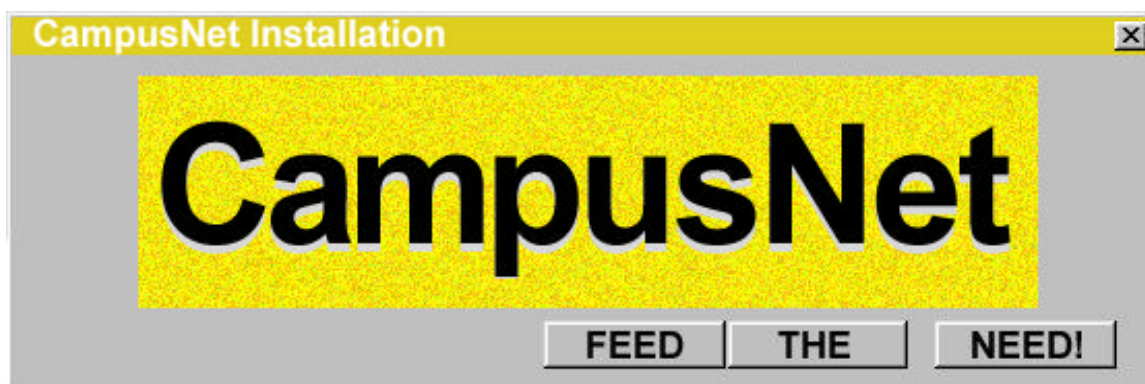# PC Connection Instructions

Before your Internet applications can work, your machine must have a working network card setup to use TCP/IP and connected to the data jack in your room. If you need a network card installed and don't want to do it yourself, contact one of the vendors below. Some vendors may have an on-site option. If you have one of the vendors install your network card, they will also install the CampusNet software.

Note: If you were using a "*Dialup adapter*" to connect to your Internet service provider at home, remember this is not a physical network card. It is a modem.

Vendor	Phone
CCI	(540) 432-0864
Computer Cabling & Technology	(540) 564-0052
Dominion Computer Systems	(540) 433-6910
Valley Microcomputer	(540) 434-7566
Victor Computer	(540) 434-2777

Once your network card is installed and working, use this guide to install the TCP/IP protocol that your Internet software needs to communicate. Remember, if you experience problems with this software installation, contact the HelpDesk at x3555 or go to a lab and point a browser to *www.jmu.edu/campusnet/trouble*

Go to page 6 for Windows NT 4.0 instructions or flip the page for Windows 95.
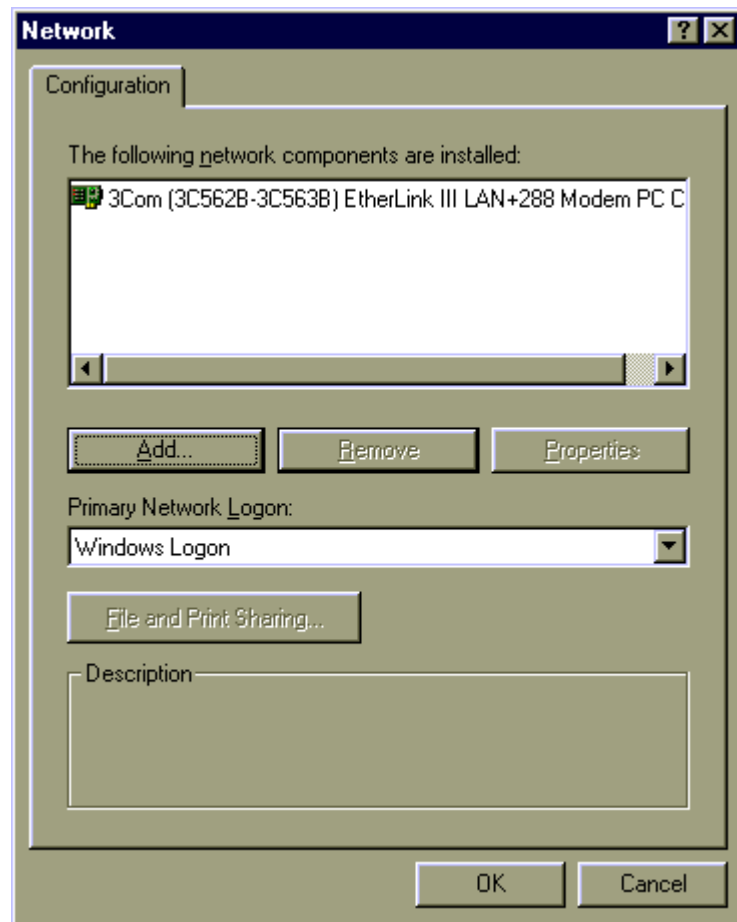
Windows 95/98 Instructions

1. Click on the **Start** button and select **Settings**, **Control Panel**.
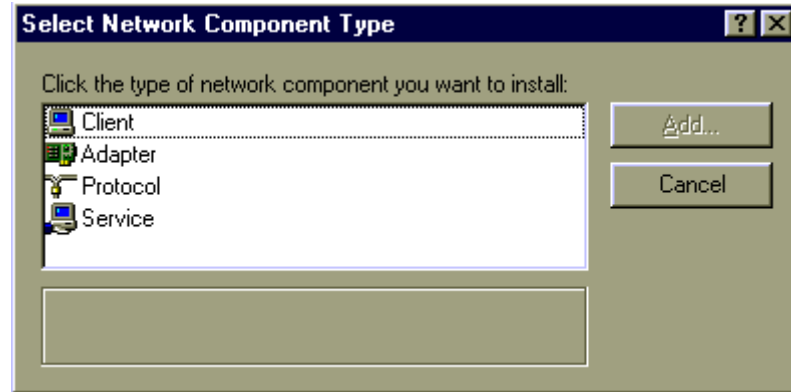   The following screen will display:

2. Double click the **Network** icon to display the next screen.

As you can see, this machine already has a 3Com EtherLink III network card installed. The TCP/IP protocol is missing.
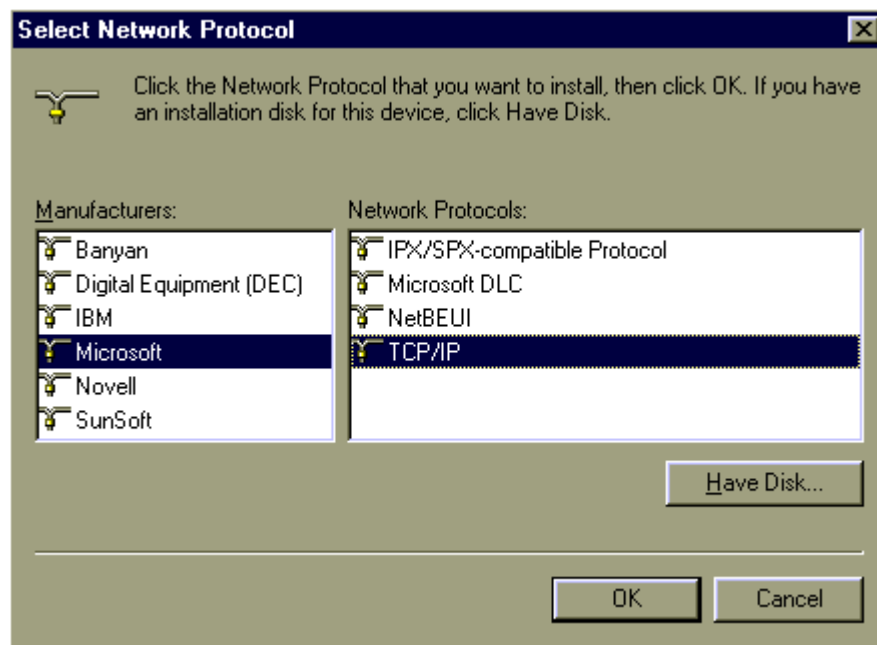
```
┌─────────────────────────────────────────────────────────┐
│ Network                                          [?][X]  │
├─────────────────────────────────────────────────────────┤
│ ┌─Configuration─┐                                        │
│ │               └──────────────────────────────────────┐ │
│ │                                                       │ │
│ │  The following network components are installed:      │ │
│ │ ┌──────────────────────────────────────────────────┐ │ │
│ │ │ ■🖳 3Com (3C562B-3C563B) EtherLink III LAN+288 Mod│ │ │
│ │ │                                                    │ │ │
│ │ │                                                    │ │ │
│ │ │                                                    │ │ │
│ │ │ ◄│ │                                          │► │ │ │
│ │ └──────────────────────────────────────────────────┘ │ │
│ │                                                       │ │
│ │  ┌──────────┐   ┌──────────┐   ┌──────────┐          │ │
│ │  │  Add...  │   │  Remove  │   │Properties│          │ │
│ │  └──────────┘   └──────────┘   └──────────┘          │ │
│ │  Primary Network Logon:                               │ │
│ │ ┌─────────────────────────────────────────────┐ ┌─┐  │ │
│ │ │ Windows Logon                               │ │▼│  │ │
│ │ └─────────────────────────────────────────────┘ └─┘  │ │
│ │  ┌────────────────────────┐                          │ │
│ │  │ File and Print Sharing...│                         │ │
│ │  └────────────────────────┘                          │ │
│ │ ┌─Description──────────────────────────────────────┐ │ │
│ │ │                                                  │ │ │
│ │ │                                                  │ │ │
│ │ │                                                  │ │ │
│ │ └──────────────────────────────────────────────────┘ │ │
│ │                                                       │ │
│ │                           ┌────────┐  ┌────────┐      │ │
│ │                           │   OK   │  │ Cancel │      │ │
│ │                           └────────┘  └────────┘      │ │
│ └───────────────────────────────────────────────────────┘ │
└─────────────────────────────────────────────────────────┘
```

3. Click the **Add** button to display the next screen.

4. Click on the word **Protocol** and click the **Add** button.

Note: Any time you add new components to your system, you may need the system software that came with your computer. Often times, this is a CD-ROM.
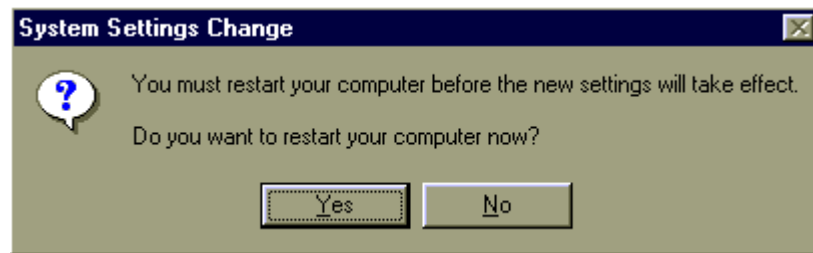
5. Click on **Microsoft** in the Manufacturers box as shown below.
6. Click on **TCP/IP** in the Network Protocols box as shown below.
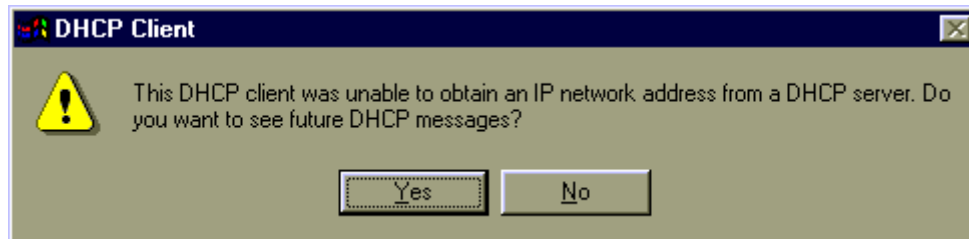7. Click the **OK** button to accept your selection.

If your system was installed from CD-ROM or floppies, you will be prompted to provide them. If your system was shipped with Windows 95 then chances are the software will automatically install.

8. Ensure that your network cable is plugged into your data jack and network card.

9. Click the **Yes** button to restart your machine.

System Settings Change

? You must restart your computer before the new settings will take effect.

Do you want to restart your computer now?

[Yes]   [No]

Once your computer reboots, you will receive the following message.

DHCP Client

⚠ This DHCP client was unable to obtain an IP network address from a DHCP server. Do you want to see future DHCP messages?

[Yes]   [No]

10. Click **Yes** to clear this message. It will return periodically until your machine is automatically assigned an IP network address.

If this screen, continues to reappear after 10 minutes, call the Helpdesk at x3555 to log a trouble call.

Once you get to campus…

When you arrive, there are three very important steps to get up and running once you have everything plugged in and ready to go.

1. Go to **Start**, **Run** and type **winipcfg**
2. This should bring up a box called **IP Configuration**.
3. Click on **Release All,** and **Renew All**.   This will get you an IP address to work on the campus network.
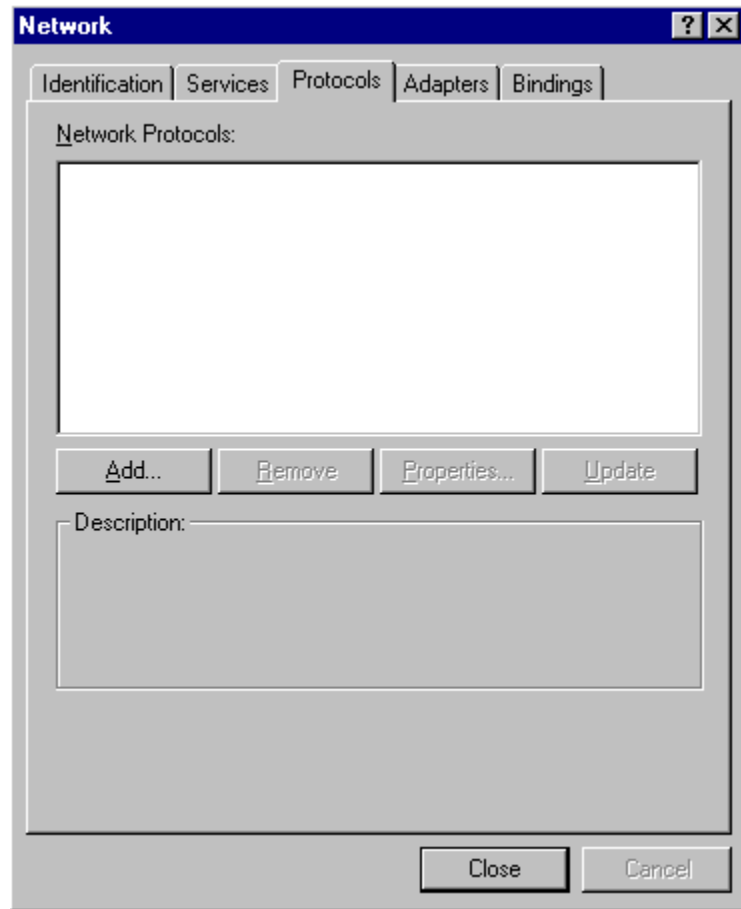
Windows NT 4.0 Instructions

1. Click on the **Start** button and select **Settings**, **Control Panel**.
   The following screen will display:
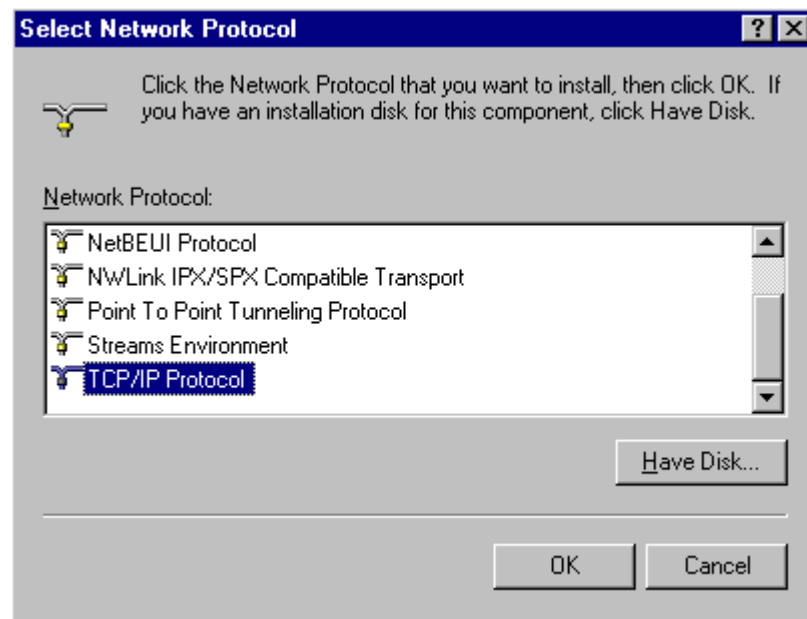

2. Double click the **Network** icon to display the next screen.

3. Click on the **Protocols** tab.

   As you can see, the TCP/IP protocol is missing.

```
┌─────────────────────────────────────────────────────┐
│ Network                                      [?][X]  │
├─────────────────────────────────────────────────────┤
│ ┌Identification┐┌Services┐┌Protocols┐┌Adapters┐┌Bindings┐ │
│                                                     │
│  Network Protocols:                                 │
│  ┌───────────────────────────────────────────────┐ │
│  │                                               │ │
│  │                                               │ │
│  │                                               │ │
│  │                                               │ │
│  │                                               │ │
│  │                                               │ │
│  │                                               │ │
│  └───────────────────────────────────────────────┘ │
│  ┌─────────┐ ┌─────────┐ ┌───────────┐ ┌─────────┐ │
│  │  Add... │ │ Remove  │ │ Properties...│ │ Update  │ │
│  └─────────┘ └─────────┘ └───────────┘ └─────────┘ │
│  ┌─Description:──────────────────────────────────┐ │
│  │                                               │ │
│  │                                               │ │
│  │                                               │ │
│  └───────────────────────────────────────────────┘ │
│                                                     │
│                           ┌─────────┐ ┌─────────┐  │
│                           │  Close  │ │ Cancel  │  │
│                           └─────────┘ └─────────┘  │
└─────────────────────────────────────────────────────┘
```
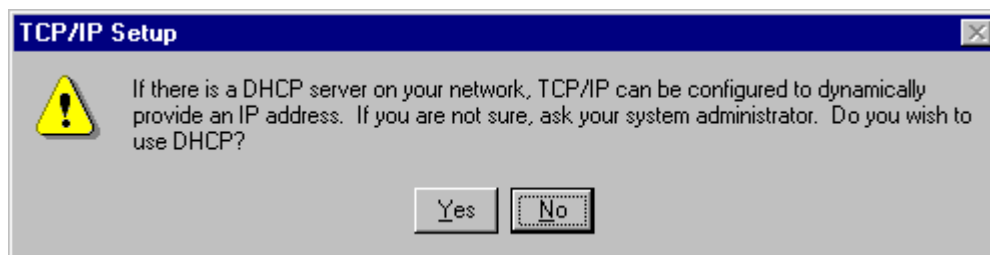
4. Click the **Add** button.

   Note: Any time you add new components to your system, you may need the system software that came with your computer. Often times, this is a CD-ROM.

5. Scroll to the bottom of the Protocol list and select **TCP/IP Protocol**.

6. Click the **OK** button to accept the selection.
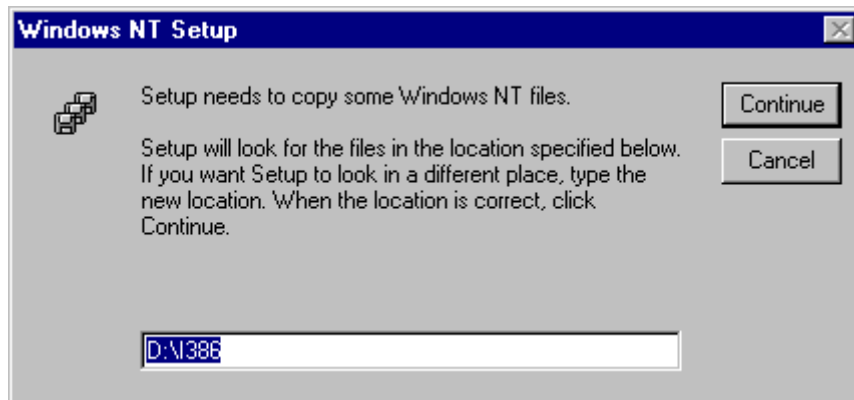

You will be presented with the following screen asking if you would like to use DHCP.
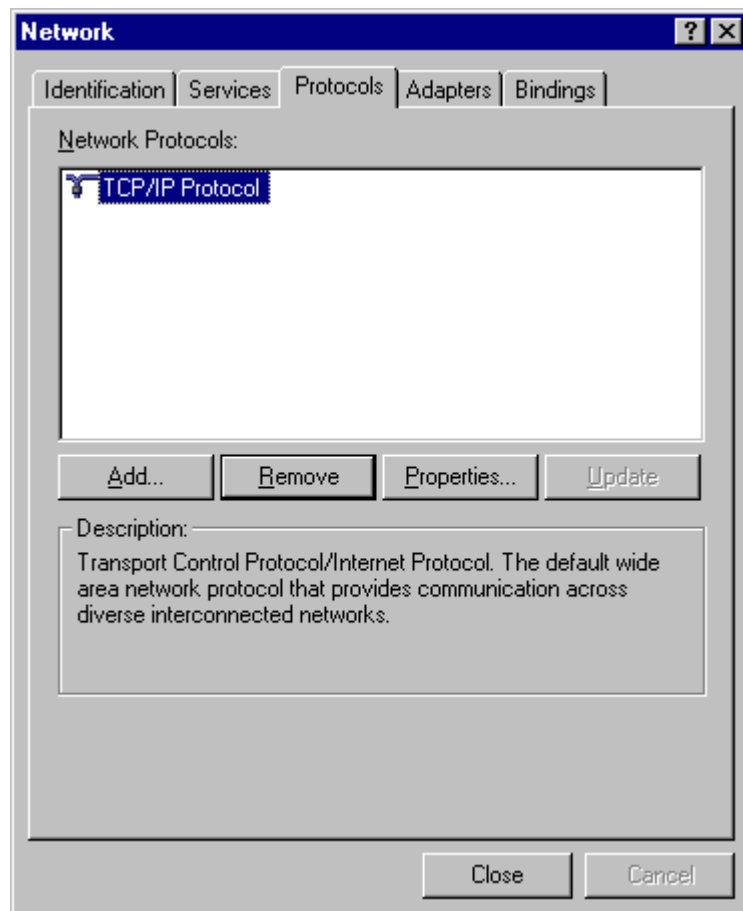
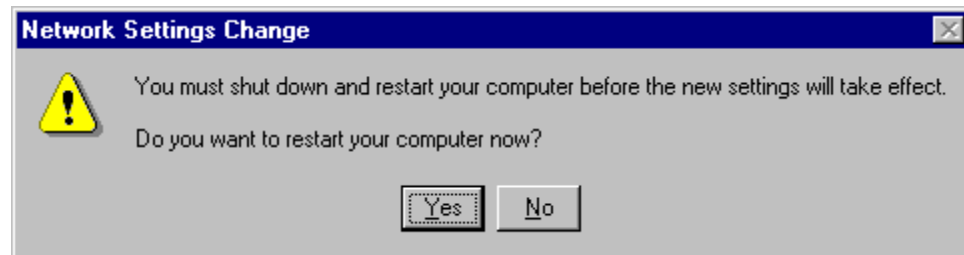7. Click the **Yes** button to accept DHCP.

8. At this point, your system will prompt you for your system software.
    If your computer was shipped with Windows NT, chances are the software will automatically install.
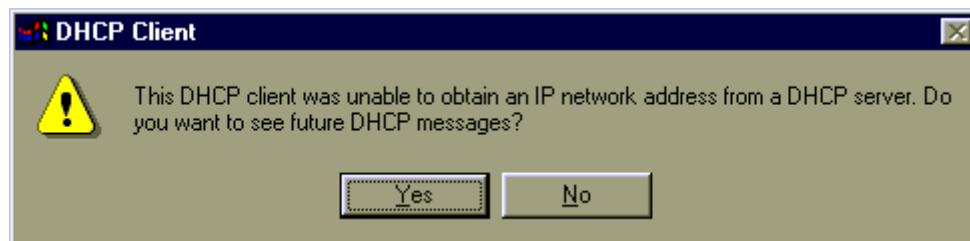   Otherwise insert your CD-ROM and click **Continue** to install the protocol.

Windows NT Setup

Setup needs to copy some Windows NT files.

Setup will look for the files in the location specified below. If you want Setup to look in a different place, type the new location. When the location is correct, click Continue.

D:\I386

[Continue] [Cancel]

9. Once the protocol is installed, click the **Close** button.

Network

Identification | Services | Protocols | Adapters | Bindings

Network Protocols:

TCP/IP Protocol

[Add...] [Remove] [Properties...] [Update]

Description:
Transport Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

[Close] [Cancel]

10. Ensure that your network cable is plugged into your data jack and network card.

11. Click the **YES** button to restart your machine.

Network Settings Change

⚠ You must shut down and restart your computer before the new settings will take effect.

Do you want to restart your computer now?

[Yes]　[No]

Once your computer reboots, you will receive the following message.

DHCP Client

⚠ This DHCP client was unable to obtain an IP network address from a DHCP server. Do you want to see future DHCP messages?

[Yes]　[No]

12. Click **Yes** to clear this message. It will return periodically until your machine is automatically assigned an IP network address.

If this screen, continues to reappear after 10 minutes, call the Helpdesk at x3555 to log a trouble call.

Once you get to campus…

When you arrive, there are three very important steps to get up and running once you have everything plugged in and ready to go.

1. Go to **Start**, **Run**, and type **command**
2. This should bring up a DOS screen.   At the prompt type **ipconfig/all**.
3. Type **/release** at the next prompt and then **/renew**. This will give you an IP address and allow you to work on the campus network.