
TechNote 1

Get Connected

Dial-up Procedures
for
Windows 9x/NT/2000/XP
and
MacOS 7.6.1 - MacOS X

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Introduction

How do I start? First you will need a computer, a modem and a phone line!

We recommend you obtain a 'Hayes compatible' modem that can operate at a baud rate of 28.8K or higher. This is the speed at which the modems send information down the phone line. A slower modem will mean you will spend more time on the phone and give more money to the phone company. Computing Services modems can operate at speeds up to 36.6K baud.

Registering For Modem Access If you are a member of college staff or a related organisation, you are entitled to access the college via dial-up.

If you already have an account on our UNIX service, just contact Computing Services Liaison (Ext. 5298) and ask them to add modem access (a dial-up account).

If you do not have an account on the UNIX service, you will need to come along to Computing Services and fill in a form. We can normally register you the next day.

PC users will also need to collect a disc from Computing services containing a 'script file' to be copied to their hard disc.

What do I need on my computer? You will need two types of software on your computer.

Firstly, you will need network drivers to make and maintain a connection via the modem. Current versions of Windows and Mac operating systems will already contain these programs, which just need to be configured correctly.

Once a network connection has been established, you will need other programs, often referred to as Internet applications, to read and send email, browse the World Wide Web or use the PC as a terminal to other machines. Again, there are versions of these programs bundled with the operating systems. For example, Windows usually contains an email program called Outlook Express, the Internet Explorer web browser and a terminal emulator called Telnet. You could also install your own preferred programs for email or web browsing such as Eudora or Netscape.

Internet applications also need to be configured correctly; especially the email programs and you should read Section 3 for details.

Note:

Throughout this document menu options have been typed in *Italic* and sub menus indicated with a > character.

Section 1 Dial-up on a PC

Using Windows 95

To make a dial-up connection using Windows 95 follow these steps:

Copy the script file (login2.scp) supplied by Computing Services into the Accessories folder on your hard disk (located in the Program Files folder)

Choose:

Start > Programs > Accessories > Dial-Up Networking

Click on:

Make New Connection.

Set the following parameters:

Area Code: **020**
Telephone number: **7882 5599**
Country Code: **United Kingdom (44)**

Click on:

Finish.

Rename the newly created icon to **QM**.

Click once on the new icon then select:

File > Properties

Make sure that the type of dial-up service is set to **PPP** and that the TCP/IP settings are as follows:

Server assigned IP address
Primary DNS: **138.37.6.1**

Still in the Properties window select:

Scripting

OR, if there is no *Scripting* tab:

Go to:

Start > Programs > Accessories > Dial-Up Scripting Tool

Select the **QM** connection.

Then:

In the file name box type the location of the login2.scp file copied to the hard disc earlier or use the browse facility to find it.

Click:

Apply

Double click on the **QM** icon.

Enter the username and password for your dial-up account (same as your alpha username and password) and click *Save password* if required.

Successful Connection You have now made a network connection and are ready to start your favourite email program to read your email or a terminal emulator if you want to log in to alpha or another remote machine or start a web browser to surf the World Wide Web.

Future Connections To make future connections once all the settings have been successfully saved:

Choose:

Start > Programs > Accessories > Dial-Up Networking

Double click on the QM icon

Alternatively, you could place a shortcut for the QM icon on the Desktop.

Using Windows 98

To make a dial-up connection using Windows 98 follow these steps:

Copy the login script file (login2.scp) supplied by Computing Services into the folder C:\Program Files\Accessories

Choose:

Start > Programs > Accessories > Communications > Dial-Up Networking

Double-click on:

Make New Connection



Type in a name for the connection, for example QM and click Next.

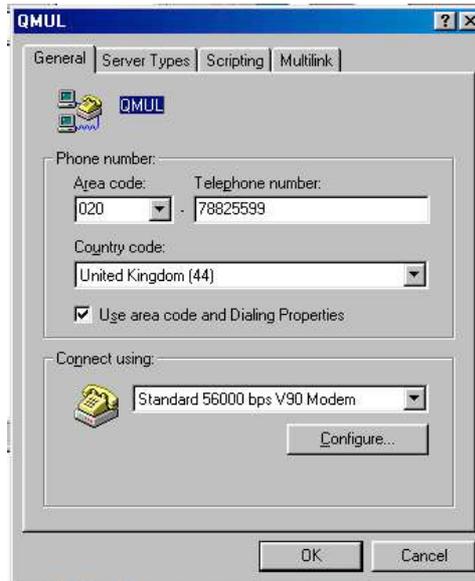
The Modem type and name appears in the Select Device window automatically and there is normally no need to configure this. However, if it this is not the case, click Configure and set up the modem by going through the modem set-up wizard.



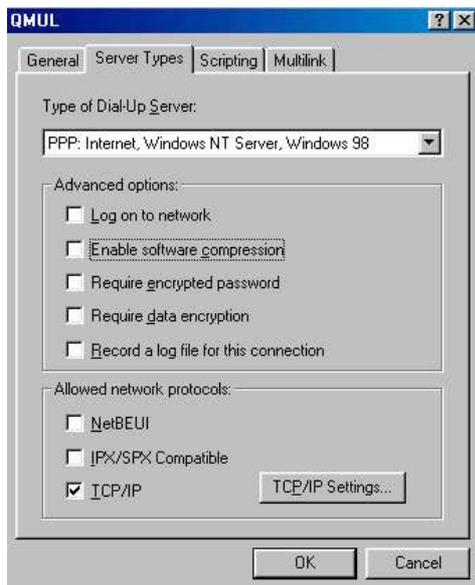
Insert the phone number and the Country Code



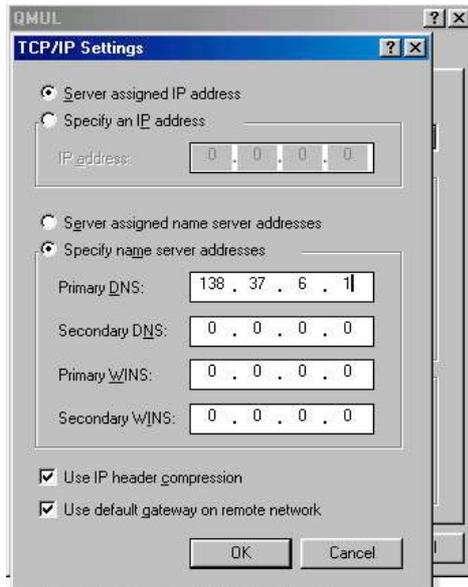
The following window will confirm your configurations so far.



Click on the Server Types Tab and set the parameters as shown below:

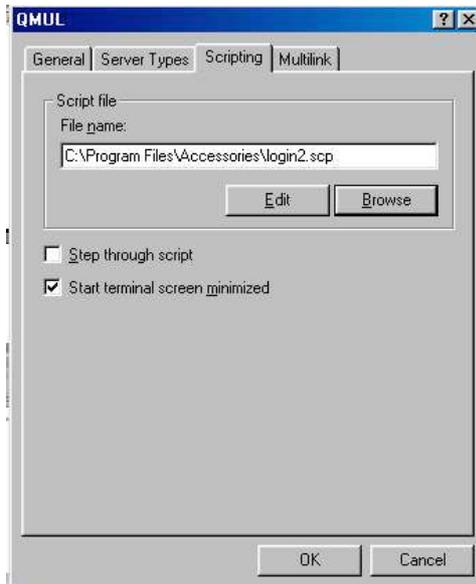


Click on the TCP/IP Settings button and set the parameters as shown below:



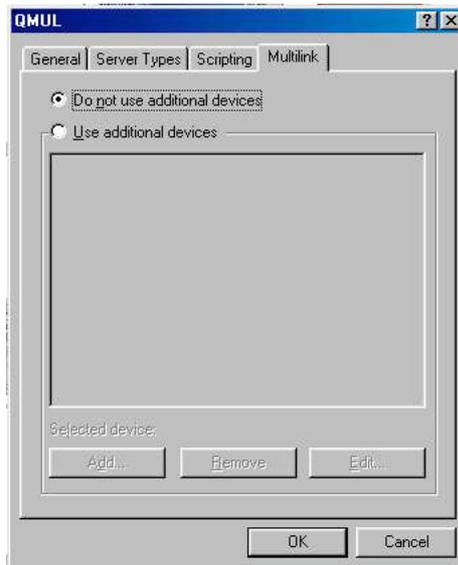
Click OK

Click on the Scripting tab and browse to the script file (login2.scp) you copied earlier to the Accessories folder:



Click OK

Click on Multilink and set the parameters as shown below:



Click OK

You are now ready to dial-up in to the college. A short cut to the QMUL connection could be placed on the desktop for easier access.

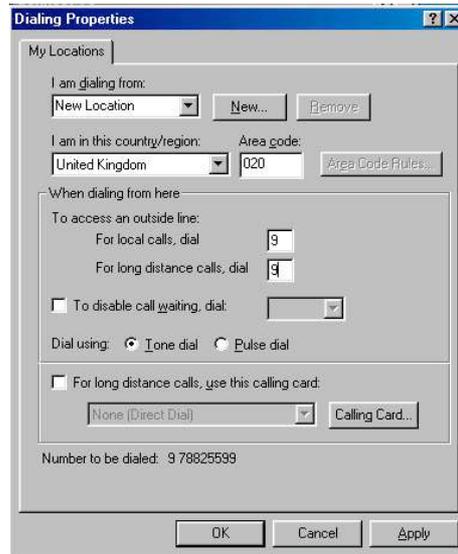
To dial-up:

Double-click on the QMUL icon.



Enter your username and password in the appropriate boxes and check "Save Password" if required.

If you are dialing from a location where you first need to connect to an outside line click on the Dial Properties and set the parameters as indicated below:



Click OK

You are now ready to connect. So just click the Connect button.

Successful Connection You have now made a dial-up connection and are ready to start your email program or a terminal emulator if you want to log in to alpha or another remote machine, or start a web browser.

Note that Dial Properties only need to be set once and future connections can be made by just double-clicking the connection icon.

Using Windows 2000

To create a dial-up network connection using Windows 2000 follow these steps:

Copy the login script file (login2.scp) supplied by Computing Services into the folder C:\WINNT\System32\ras\

Click on the Start button then choose

Settings > Network & Dial-Up Connections > Make New Connection.

This will start the Network Connection Wizard where you should click on the *Next* button.

In the 'Network Connection Type' dialogue box, select
Dial-up to Private Network
Click the *Next* button.

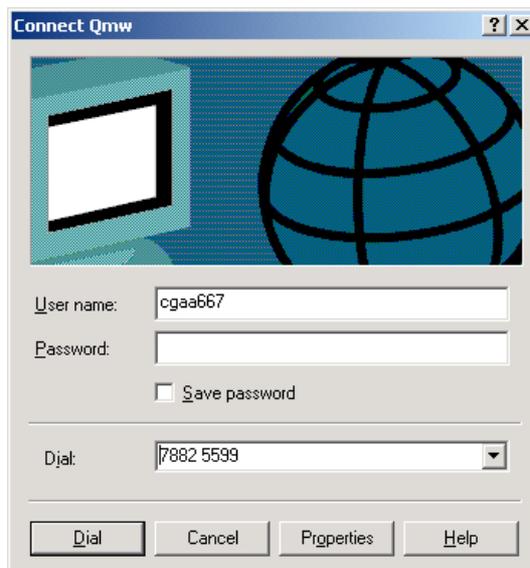
In the 'Phone number to dial' box:
Place a tick in the 'Use Dialling Rules' box
Enter your area code in the 'Area Code' field
Select the country you are calling from in the drop-down list
Enter the phone number to be dialled
Click the *Next* button.

(If you need to enter a number for an outside line i.e. 9 you will need to find the 'Phone & Modems' option in Control Panel by choosing *Start > Settings > Control Panel* and edit the Dialling Rules for your location)

In the 'Connection Availability' dialogue box:
Select the 'For all users' option
Click the *Next* button.

Finally give your connection a name, e.g. QM and, if you wish, place a tick in the box to place a shortcut to this connection on your desktop.

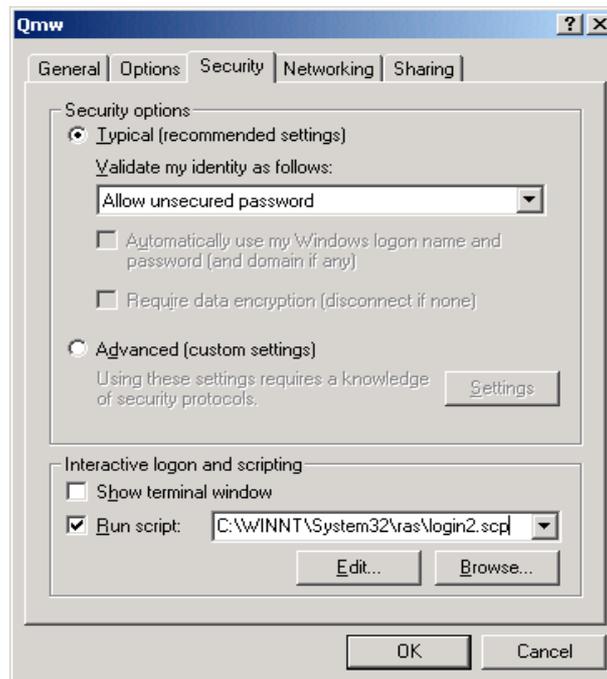
Click on the *Finish* button and your Dial-up Connection dialogue box will launch:



Enter your User Name in the relevant field and click on the *Properties* button. This will launch the dialogue box below.

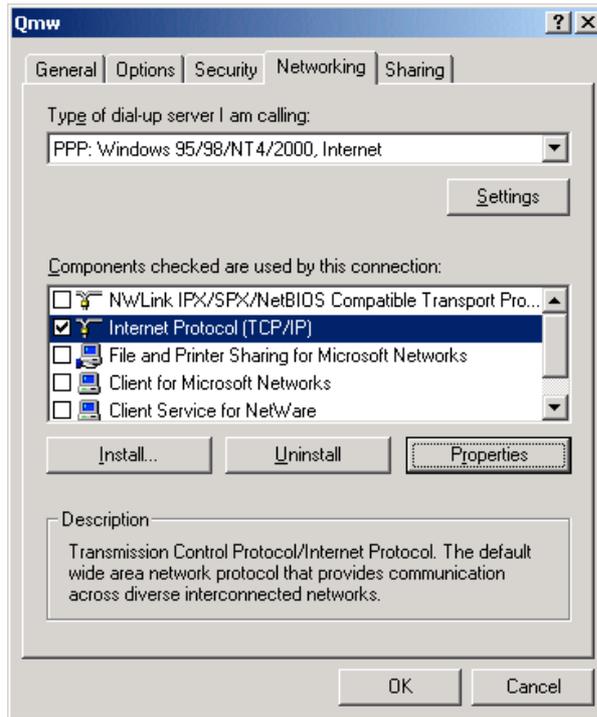


Select the *Security* tab and ensure that all fields are selected as below.



You should also ensure that you have copied the login script file (login2.scp) supplied by Computing Services into the folder C:\WINNT\System32\ras\

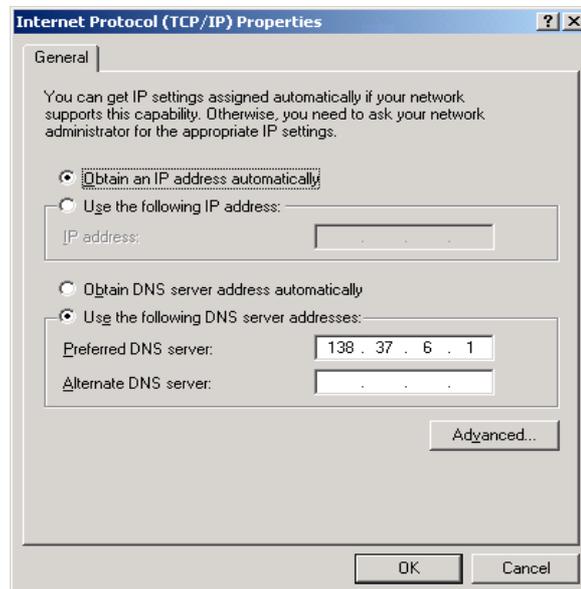
Now select the *Networking* tab and ensure that Internet Protocol (TCP/IP) is the only component with a tick next to it.



Remaining on the *Networking* tab:

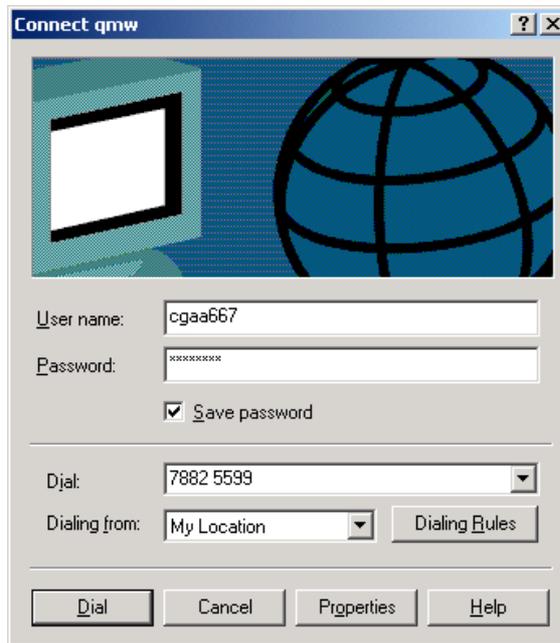
Highlight 'Internet Protocol (TCP/IP)' as above

Click on the *Properties* button. This will launch another dialogue box where you should enter the details below.



When completed click on *OK* and *OK* again.

This will return you to the Connect dialogue box where you should now enter your password. Check that your modem is plugged in, etc and click on the *Dial* button.



This will now dial the number and connect you to the network.

Successful Connection Once the connection is made you can use your preferred Internet programs such as Netscape or Eudora.

Future Connections Now that the settings have been saved, to make future connections: Choose:

Start > Settings > Network & Dial-Up Connections > QM

or whatever you called your connection. Then enter your password and click on *Dial*.

Alternatively, you could place a shortcut for the QM entry on the Desktop.

Using Windows NT

To make a dial-up connection, follow these steps:

Copy the script file, login2.scp, supplied by Computing Services into the C:\WINNT\system32\ras folder on the hard disc.

If not already installed, install Dial-Up Networking.

Choose:

Start > Programs > Accessories > Dial-Up Networking

The following error will appear: No entry in the Phonebook

Click *OK*, then follow the Wizard, using the following information:

First window

Entry name: **QM**

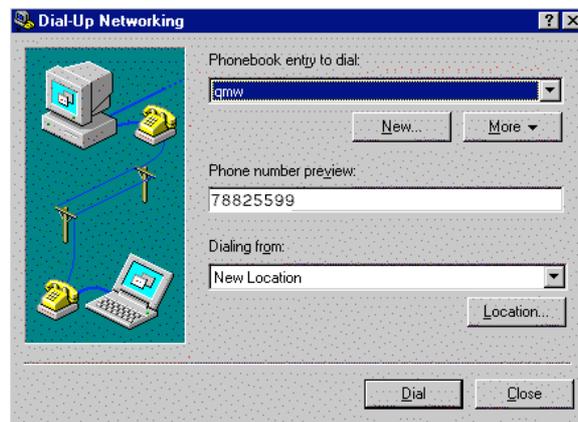
Second window

Check second option **Plain text password**

Third window

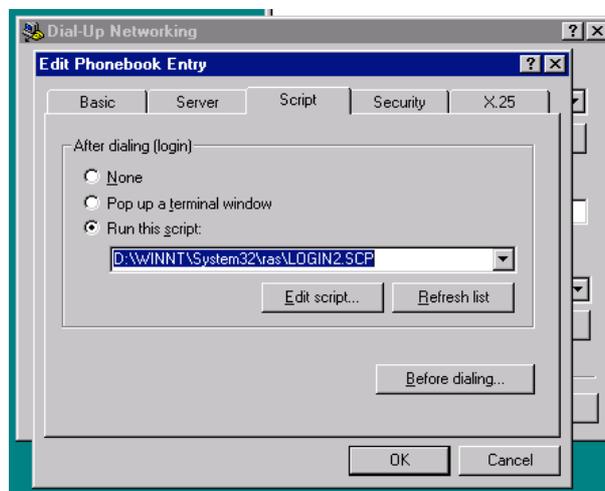
Telephone no: **78825599**

The Dial-Up Networking window should similar to this:



Display the properties of the Phonebook entry by choosing:

More > Edit Entry > Modem Properties.



from the list.

Basic:

Double check the setting, making sure the phone number is correct

Server:

Type of dial-up server should set to **PPP** and network protocol should be **TCP/IP**. Other settings should left as default.

Script:

Assign login script file, Click on *Run this script* then select *login2.scp*

Click on:

Dial

Enter the username and password for your alpha account and click **Save password** if required.

Successful Connection Once the connection is made you can use your preferred Internet programs such as Netscape or Eudora.

Future Connections Now that the settings have been saved, to make future connections:

Choose:

*Start > Programs > Accessories > Dial-Up Networking
> Phonebook*

Choose **QM** from the list

Click on:

Dial

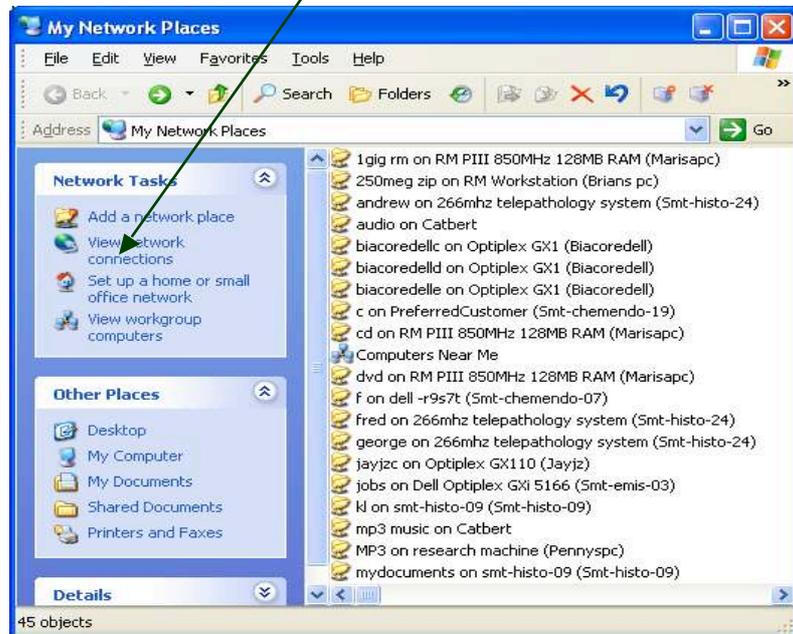
Alternatively, you could place a shortcut for the QM entry on the Desktop.

Using Windows XP

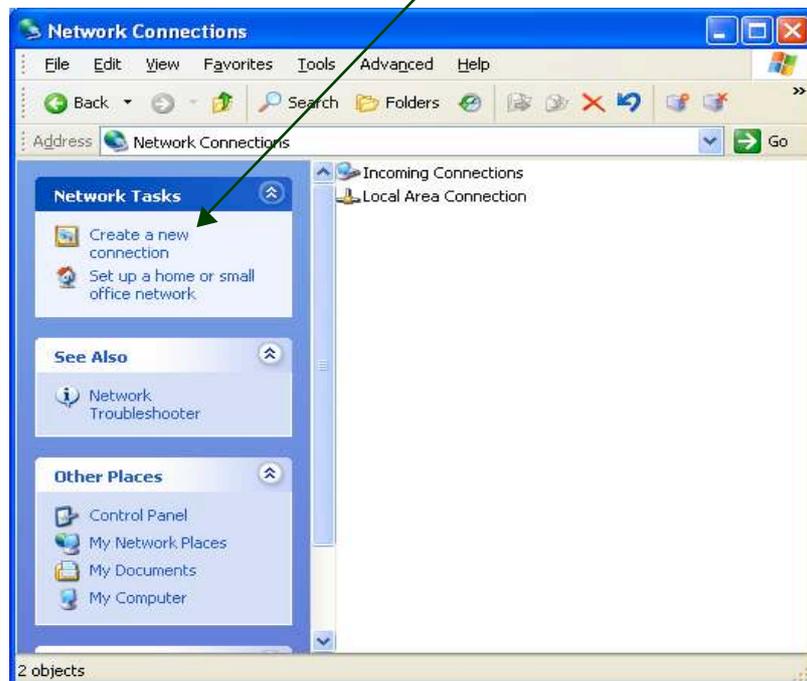
Copy the login script file (login2.scp) supplied by Computing Services into the folder C:\Windows\System32\ras\

Click on your *Start* button and select *My Network places*.

Select *View Network Connections* from the options under Network Tasks.



Then select *Create a new connection* in the subsequent window.



This will launch the New Connection Wizard. Click on the Next button. Ensure that 'Connect to the internet' is selected and click *Next*.

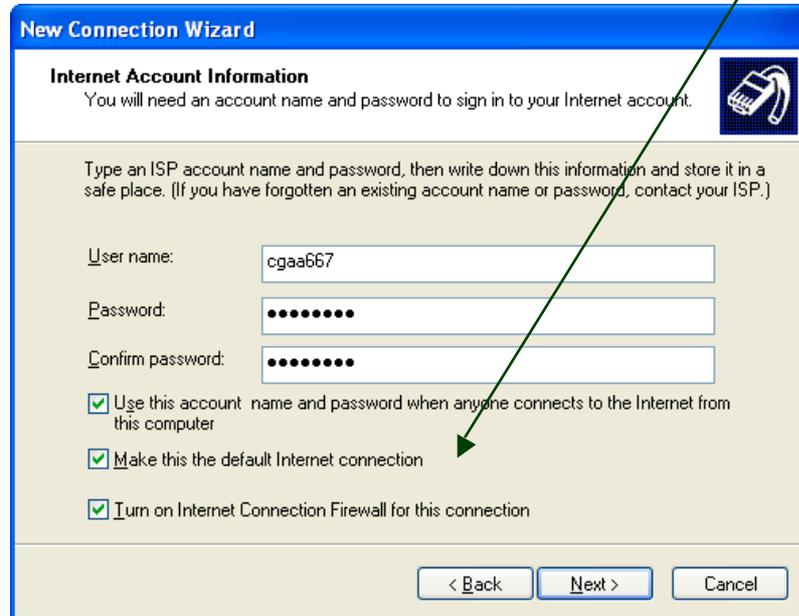
Choose *Setup my connection manually* and click *Next*.

Select *Connect using a dial-up modem* and click *Next*.

Type the name of your ISP, i.e. QMUL and click *Next*.

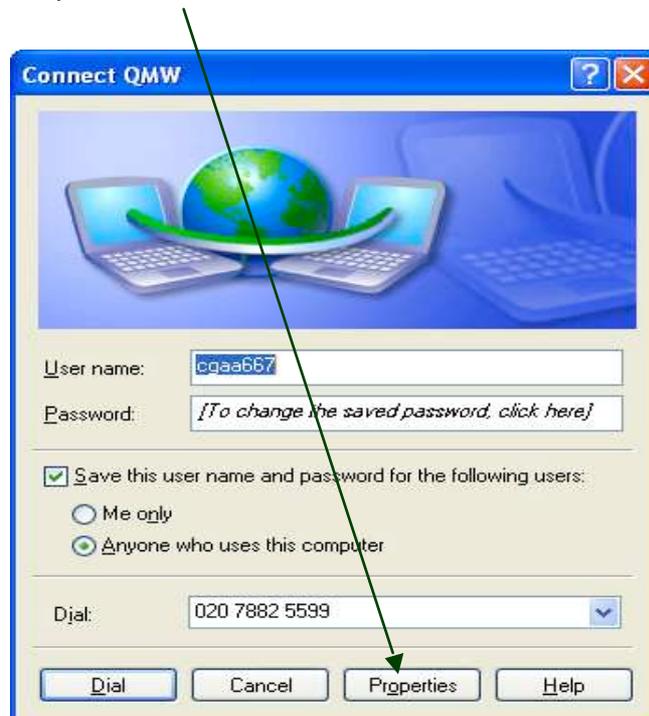
Enter the QMUL dial-up number (020 7882 5599) and click *Next*.

Enter your details in the relevant places. (If you have more than one dial-up connection you may want to unselect the *Make this the default internet connection option*.) Click *Next*.

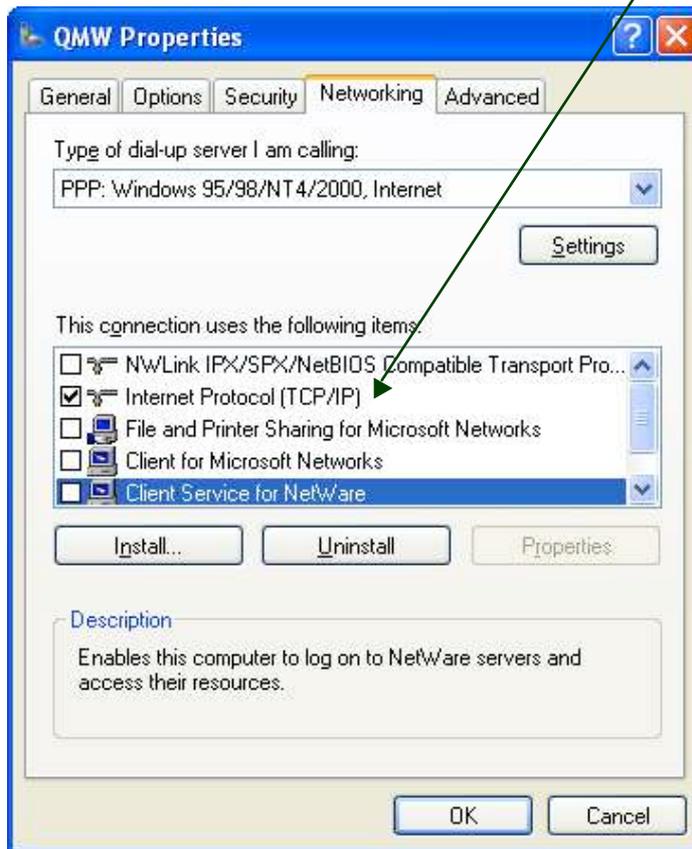


If you want to create a shortcut to the new connection on your desktop click in the box, otherwise, click *Finish*.

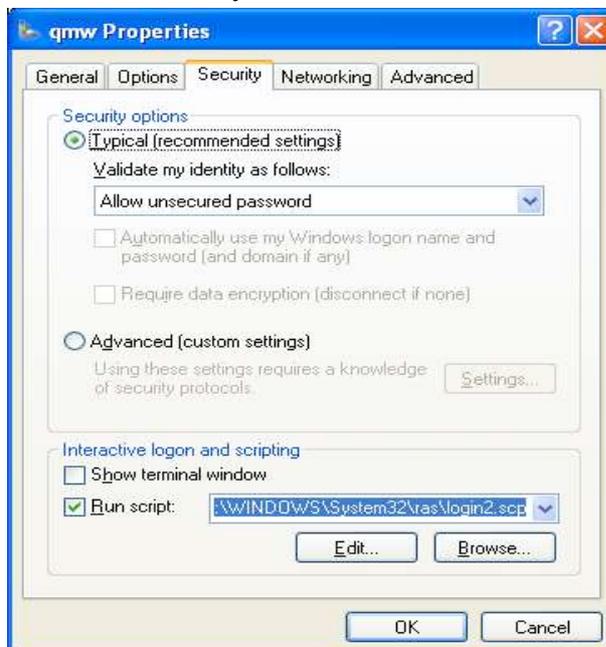
This will launch the dialogue box for your new connection. Click on the *Properties* button.



Select the Networking tab and ensure that *Internet protocol (TCP/IP)* is the only option ticked.



Select the “Security” tab and ensure that all fields are selected as below.



Check the “Run script” box then click on “Browse” and select the login2.scp file. Click on *OK* and your new dial-up connection is now ready for use.

Section 2 Dial-up on a Macintosh

Using MacOS 7.6.1 - MacOS 9

Step 1 – Setting up the modem control panel

Select:

Apple Menu > Control Panels > Modem

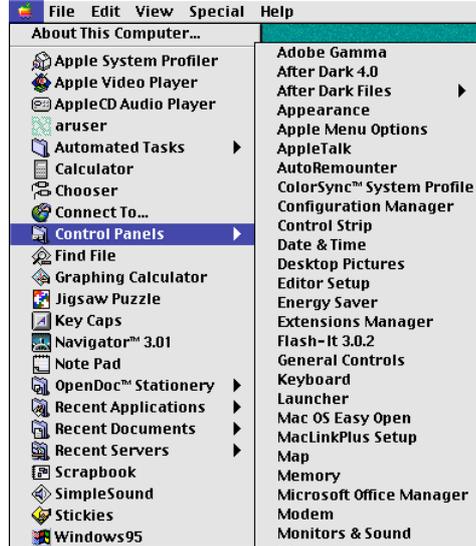


Fig. 1

In the Modem Control Panel (Fig 2) select:

Connect Via > Modem Port

Setup > choose your modem model from the list

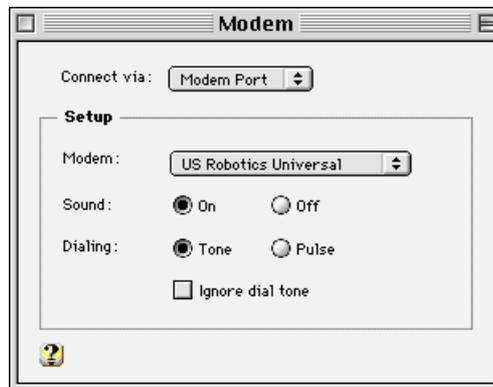


Fig. 2

Close the Modem Control Panel, saving the settings when prompted.

Step 2 – Setting up the TCP/IP control panel

Select:

Apple Menu > Control Panel > TCP/IP

In the TCP/IP Control Panel (Fig. 3) select:

Connect Via > PPP

Configure > Using PPP Server

and enter:

Name server addr: **138.37.6.1**
Search domains: **qmul.ac.uk**

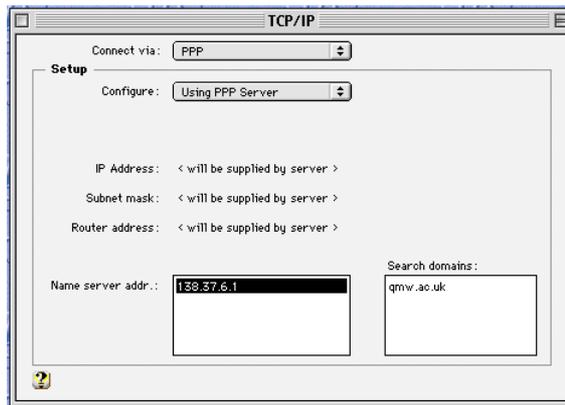


Fig. 3

Close the TCP/IP Control Panel, saving the settings when prompted.

Step 3 – Setting up the PPP control panel

Select:

Apple Menu > Control Panel > PPP

(In MacOS 8.5 choose Remote Access replaces PPP)

In the PPP window (Fig. 4) enter

Name: ***your dial-up user name***

Password: ***your dial-up password***

Number: **020 7882 5599**

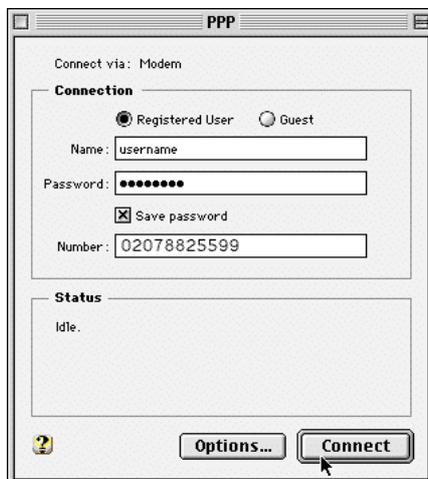


Fig.4

Step 4 – Making a connection and saving a script

In the PPP control panel (Fig. 4) select:

Options

In the Options window (Fig. 5) select:

Protocol

(in MacOS 8.5: select ppp in Protocol window then:)

Use terminal window

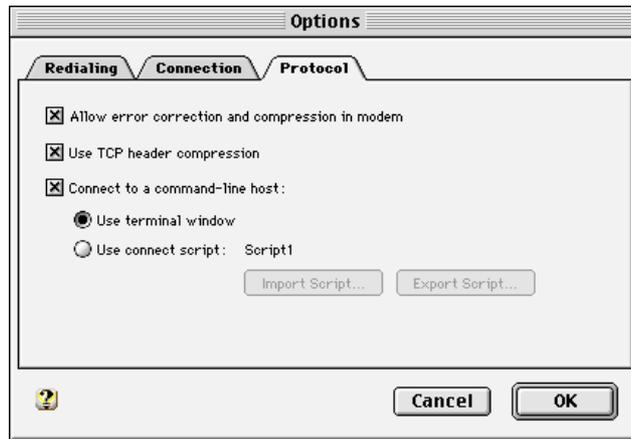


Fig. 5

Click:

OK

To return to the PPP control panel, then click:

Connect

In the PPP Terminal window Select:

Settings

In the Settings window (Fig. 6) select the check boxes as shown.

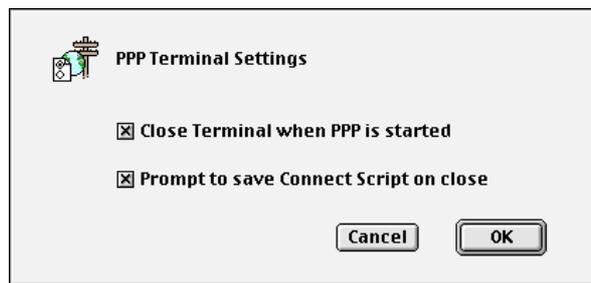


Fig. 6

Click on:

OK

To return to the PPP Terminal window.

Press the return key once then enter your dial-up username, password and **ppp default** as shown in Fig. 7.

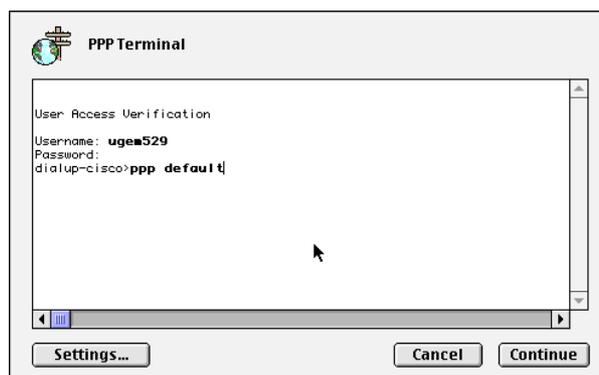


Fig. 7

Click:
Continue

In the next window (Fig. 8) select a Folder and enter a file name for the script e.g. **script1**:

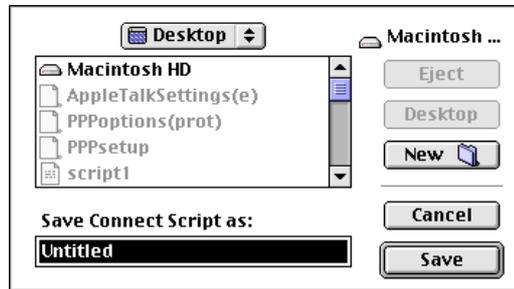


Fig. 8

Click:
Save.

The script file will be saved and a connection made.

Step 5 – Implementing the login script

Once you have created and saved the login script file, subsequent dial-ups can be made more straightforward by setting your Mac to use the script file automatically. To do this:

Go to the PPP options window (as in Step 4, Fig. 5) then:

Select:

Use connect script
Import Script

As in Fig. 9.

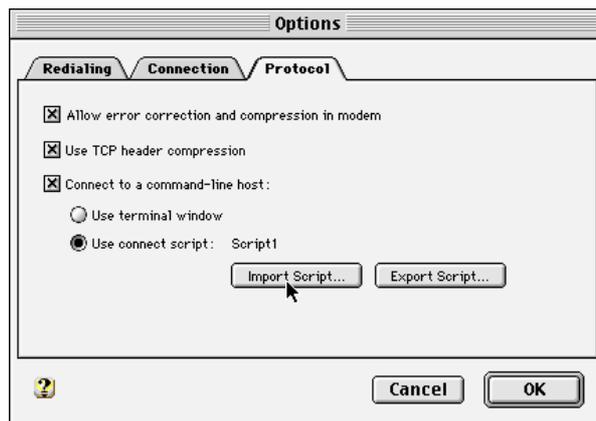


Fig. 9

Select the folder containing the script file.

Click:
OK

Step 6 – Making a connection using the login script

To make future connections all that is required is to open the PPP control panel then:

Select:

Connect

You should hear the modem dialling and connection should be established.

Successful Connection

Once a network connection has been established, you can start up your preferred program to use the World Wide Web, read email or gain terminal access to a remote machine.

Using MacOS X

Step 1

Open the *Internet Connect* application in the Applications folder:

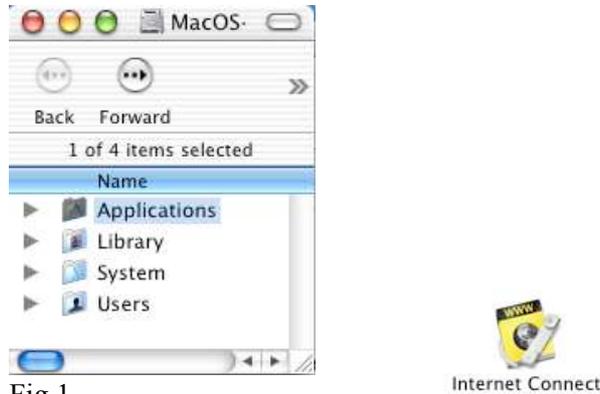


Fig 1

Step 2

In the Internal Modem window select:

Telephone Number > Edit

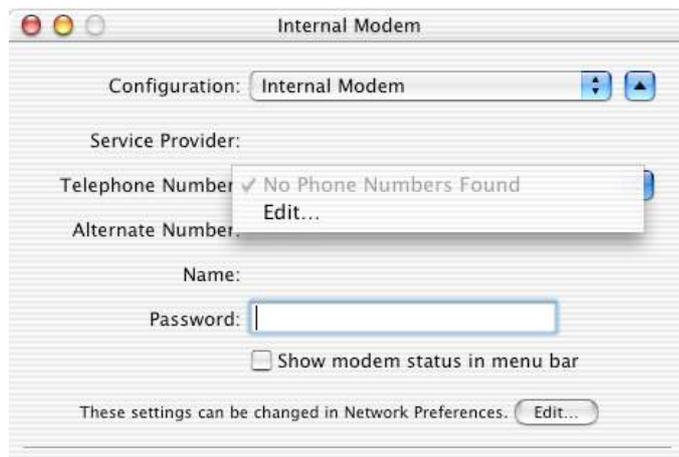


Fig 2

Enter the College Dial-up telephone number by first clicking on the *Add* button then typing in the number (02078825599).



Fig 3

Note:

Further Dial-up service provider numbers could also be added either at this stage or later on.

Click OK

Step 3:

1. Click the *Edit* Button in the Internal Modem window:

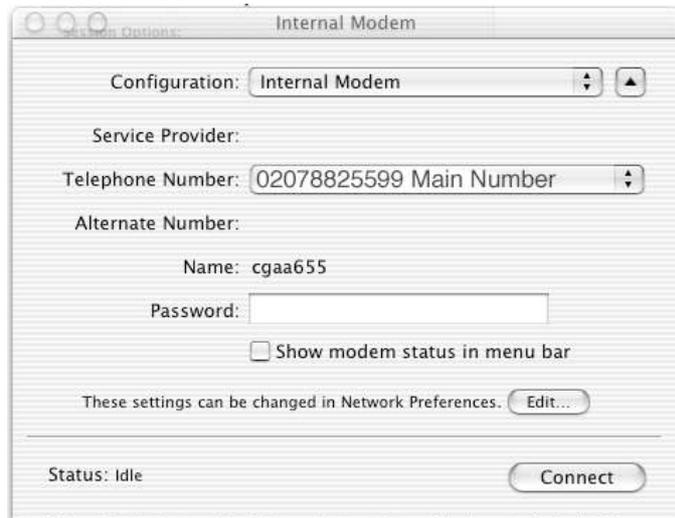


Fig 4

to open the Network Configuration Window:

2. Select *Show > Internal Modem*
3. Select the *TCP/IP* tab

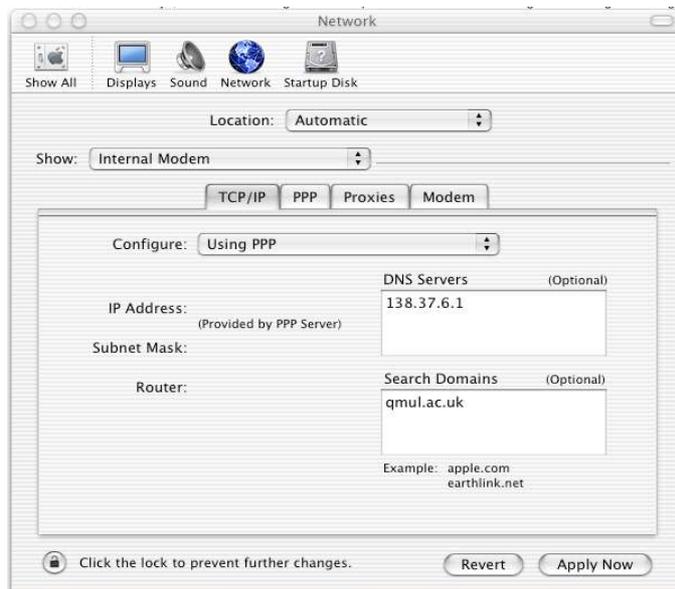


Fig 5

4. Select *Configure > Using PPP*
5. Enter the information for the **IP Address** and the **Search Domains** fields as indicated above
6. Select the *PPP* tab

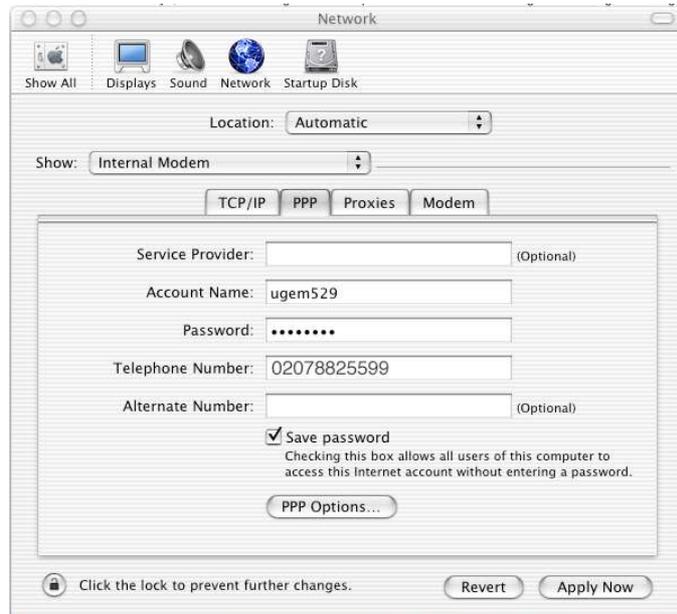


Fig 6

Enter the your Account Name and the College Dial-up Telephone Number

Note:

Account Name is NOT your actual name but a login name similar to the one indicated in the screen shot above.

It is not necessary to enter a Password at this stage

7. Click the *PPP Options* Button

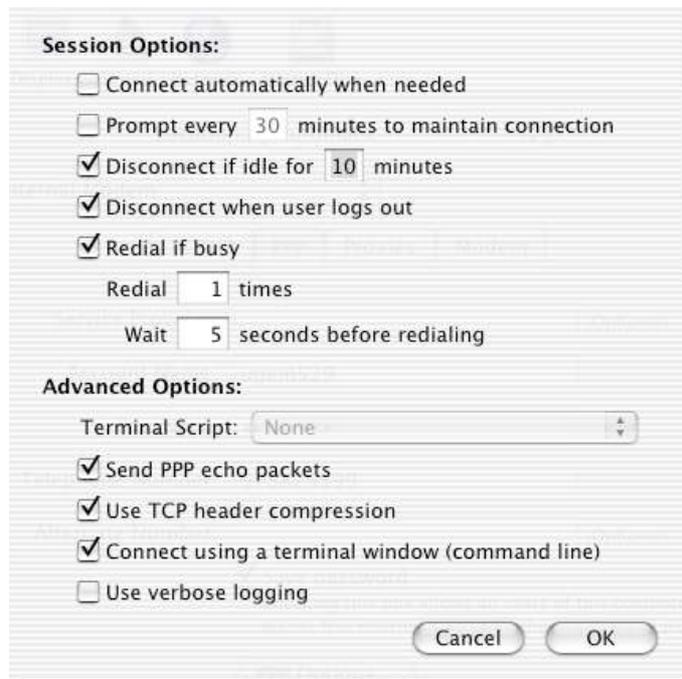
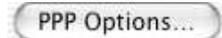


Fig 7

Select the options as indicated above and click OK.

8. Back in the Network window (Fig 6) click the *Apply Now* Button
9. In the Internal Modem window (Step 3.1 above) click the *Connect* Button
10. In the Command Line Terminal window press *Enter* once

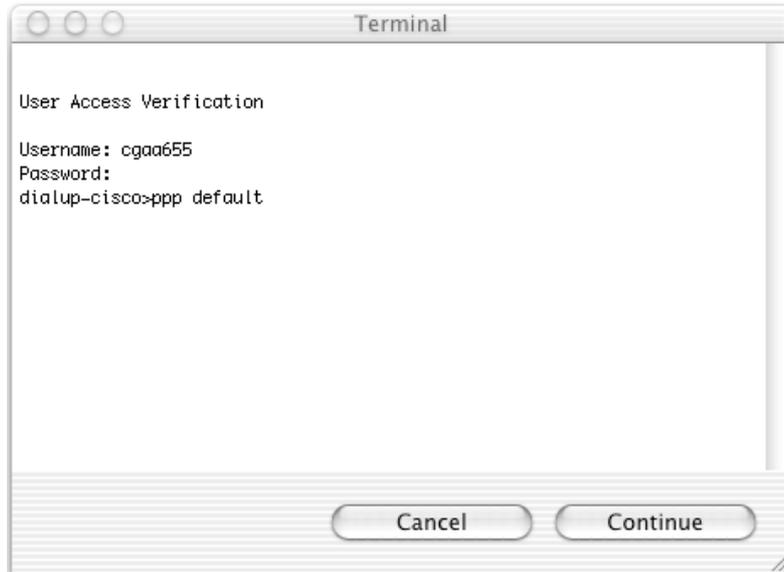
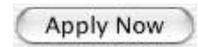


Fig 8

You will at this stage be asked to verify your details.

Enter your username, press *Return*

Enter your password, press *Return*

Enter *ppp default*, press *Return*

Provided that all the steps above have been followed and all the required information has been entered accurately, a successful connection will be established. The bottom section of the Internal Modem window will then indicate the connection status as shown below.



Fig 9

To disconnect from the service click the *Disconnect* button.

Notes:

For subsequent dial-up connections just follow steps 3.9 and 3.10 in the Internal Modem window.

Steps 3.1 – 3.8 (inclusive) do NOT need to be repeated unless some of the settings need to be reconfigured.

Please also note that there is no need for a dial-up script with this operating system.

Section 3 Configuring Internet Applications

Web Browsers

Web browsers not only allow you to surf the Internet but also access the hundreds of news groups available. They can also be used to send and receive email in the same way as the specialised email programs.

Windows includes Microsoft Internet Explorer but you may install and use other browsers such as Netscape Communicator if you prefer.

You might like to set the college home page as the start-up page when your browser is launched. Look for the Preferences option under the menus to set the Home Page as:

<http://www.qmul.ac.uk/>

Email

When started, email programs such as Eudora or Microsoft Outlook Express will login to your mailbox at college and download any messages to your PC.

Configuring Email Programs

You will need to enter your personal email details into the program so that it can collect and send your email correctly. How this is done will depend on the program you use. Look for configuration, preferences or settings options in the program's menus.

The information required to configure the recommended mail programs is available on the following Computing Services web page:

<http://www.css.qmul.ac.uk/mail/>

or in printed form from Computing Services Reception.

Note

Staff in departments that do not use the college's central mail server (for example Computer Science and Electronic Engineering) should consult departmental computer representatives for the appropriate server names.

Troubleshooting

Assuming that you have set-up the email program correctly, problems may be related to your email registration. We recommend that you contact us as soon as possible.

Further Assistance

If you have problems making a network connection after reading this Technote please contact:

Fari Kiannejad Tel: 020 7882 3225 Email: f.kiannejad@qmul.ac.uk	Stephen Willey Tel: 020 7601 7649. Email: s.willey@qmul.ac.uk	Denise Gordon Tel: 020 7882 4751 Email: d.gordon@qmul.ac.uk
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