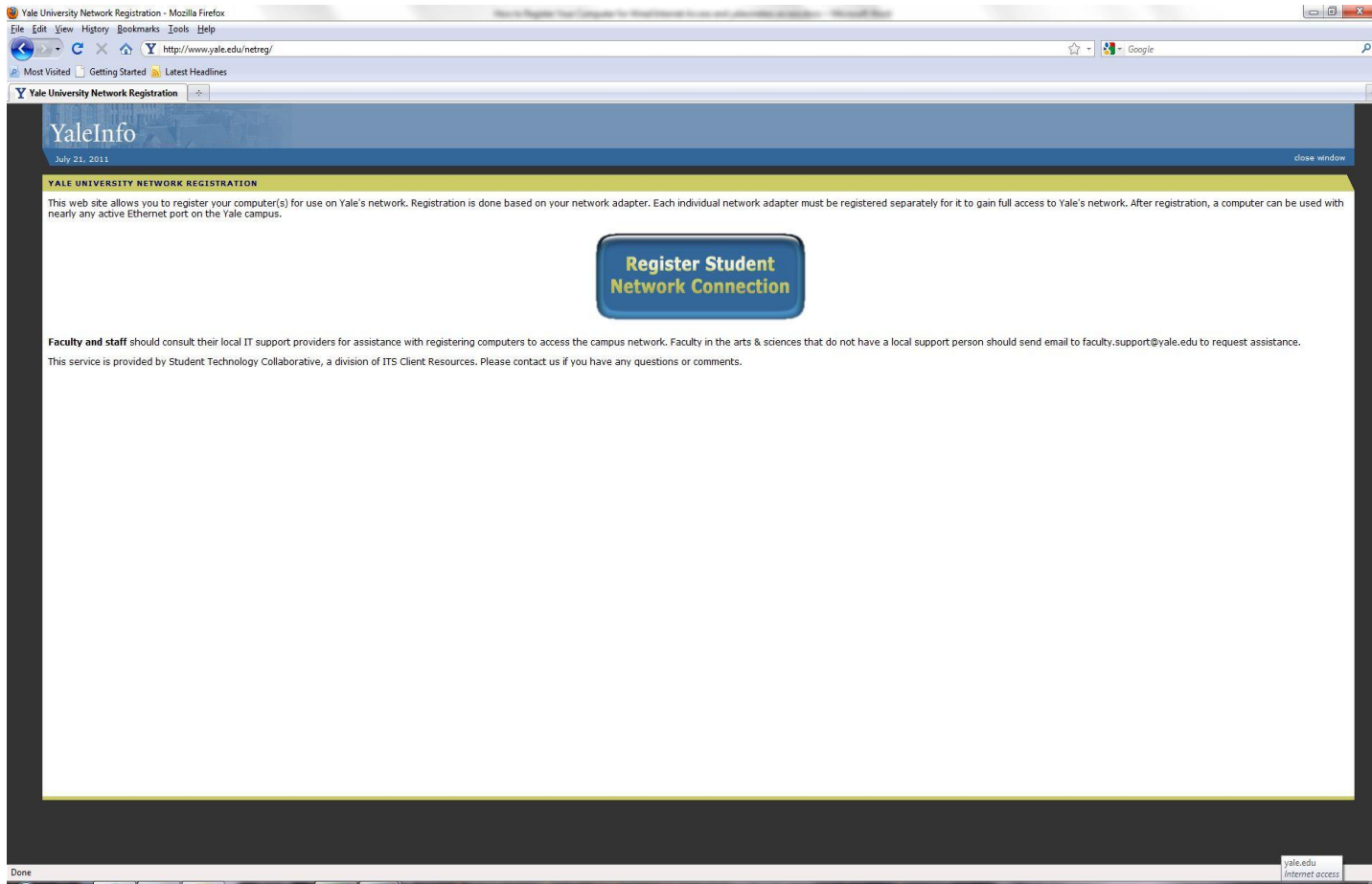


Connecting to “yalewireless” and to Ethernet (wired) Connections on Campus

How to Get Ready for Stage 2 Connectivity (Stage 1 connectivity must be done on-site once you arrive. See below.):

This type of connectivity is especially necessary for those with **desktop computers who will be living in the Divinity School apartments** or anyone else who may need a wired connection anywhere on Yale’s campus.

1. Make sure that you have activated your NetID and have set up a password for it. If you have not done that yet, contact the Admissions Office.
2. Go here: <http://www.yale.edu/netreg/>.
3. Click on the big blue button that says, “Register Student Network Connection.”



4. You will then be asked to agree to the “Policies, procedures, and guidelines” of proper usage of Yale’s networks. To continue, click “I Accept.”

Yale University

Yale Network Registration

ITS INFORMATION TECHNOLOGY SERVICES

Serving the Yale community with technology

Policies, procedures, and guidelines

[Help](#)

This web site allows you to register your computer(s) for use on Yale's network. Registration is done based on your network adapter. Each individual network adapter must be registered separately for it to gain full access to Yale's network. After registration, a computer can be used with nearly any active Ethernet port on the Yale campus.

Before using any campus network resources, you must read and agree to Yale's Acceptable Use Guidelines.

All users of Yale University computing and networking facilities are expected to read and abide by the [Information Technology Appropriate Use Policy](#).

In addition, users who avail themselves of any University IT resources are expected to read and abide by the respective documentation shown on the [ITS Policies page](#).

By clicking "I Accept" you agree that you have reviewed the previous information, and agree to abide by these policies regarding the use of Information Technology and Yale.

I Accept

I Decline

[ITS Help Desk: 203-432-9000](#)
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2

5. You will be given a prompt to type you NetID and password. Do that and click, "Login."

Yale University

Yale Network Registration

ITS INFORMATION TECHNOLOGY SERVICES

Serving the Yale community with technology

Network Registration User Login

[Help](#)

In order to use and access Yale network resources you must first register your machine for use.

This page is the first step in the registration process. Please enter your NetID and password (this is the same login and password used for your Yale email) and select Login to proceed.

NetID

NetID

Password

••••••••

Login

Cancel

ITS Help Desk: 203-432-9000.

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6. You will then be taken to a page that allows you to register new devices on the Yale network, view devices already registered under your NetID, and delete the devices you do not want.

ydsit [logout](#)
[Help](#)

Device Registration

Click the "Detect" button to detect the MAC Address of the device you are currently using. If nothing happens, you'll have to manually enter the MAC address. Or if you wish to register a different device, enter the MAC address of that device. Complete the remaining fields, and select register. **All fields must be filled in.** Hover your mouse of the question mark symbol for help.

Hardware (MAC) Address	Detect	<input type="text"/>	?
Description		<input type="text"/>	?
Operating System		<input type="text" value="Select One"/>	?

[Register](#)

The following devices are currently registered to your NetID. If you wish to un-register (delete) a device, click the "Delete" button for that device. To change device information, delete the device and re-register it.

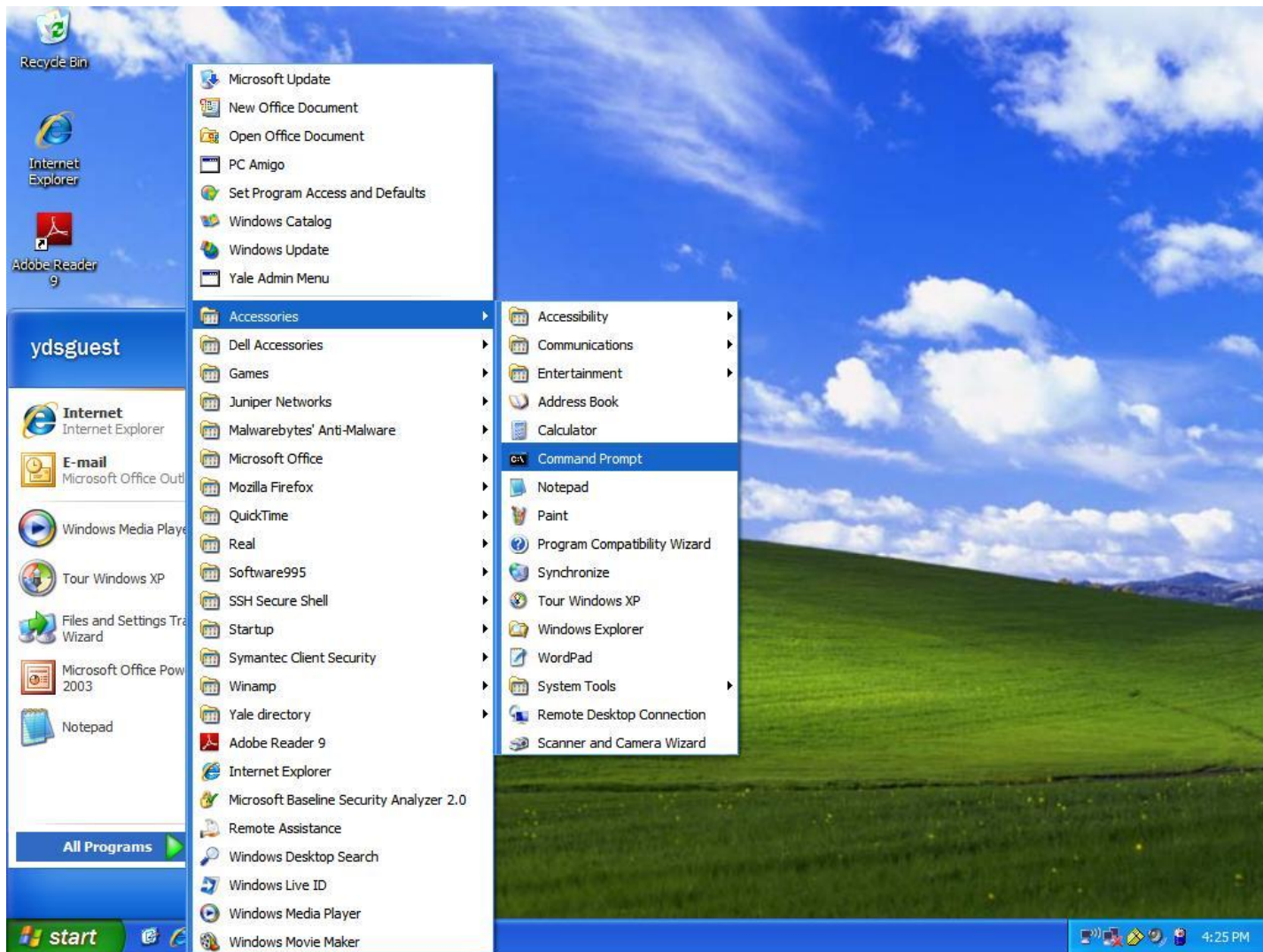
Device	Description	Operating System	
00-92-37-AD-83-29	Test Computer - Ethernet	Windows	Delete

For assistance, please contact the ITS Help Desk at 203-432-9000.

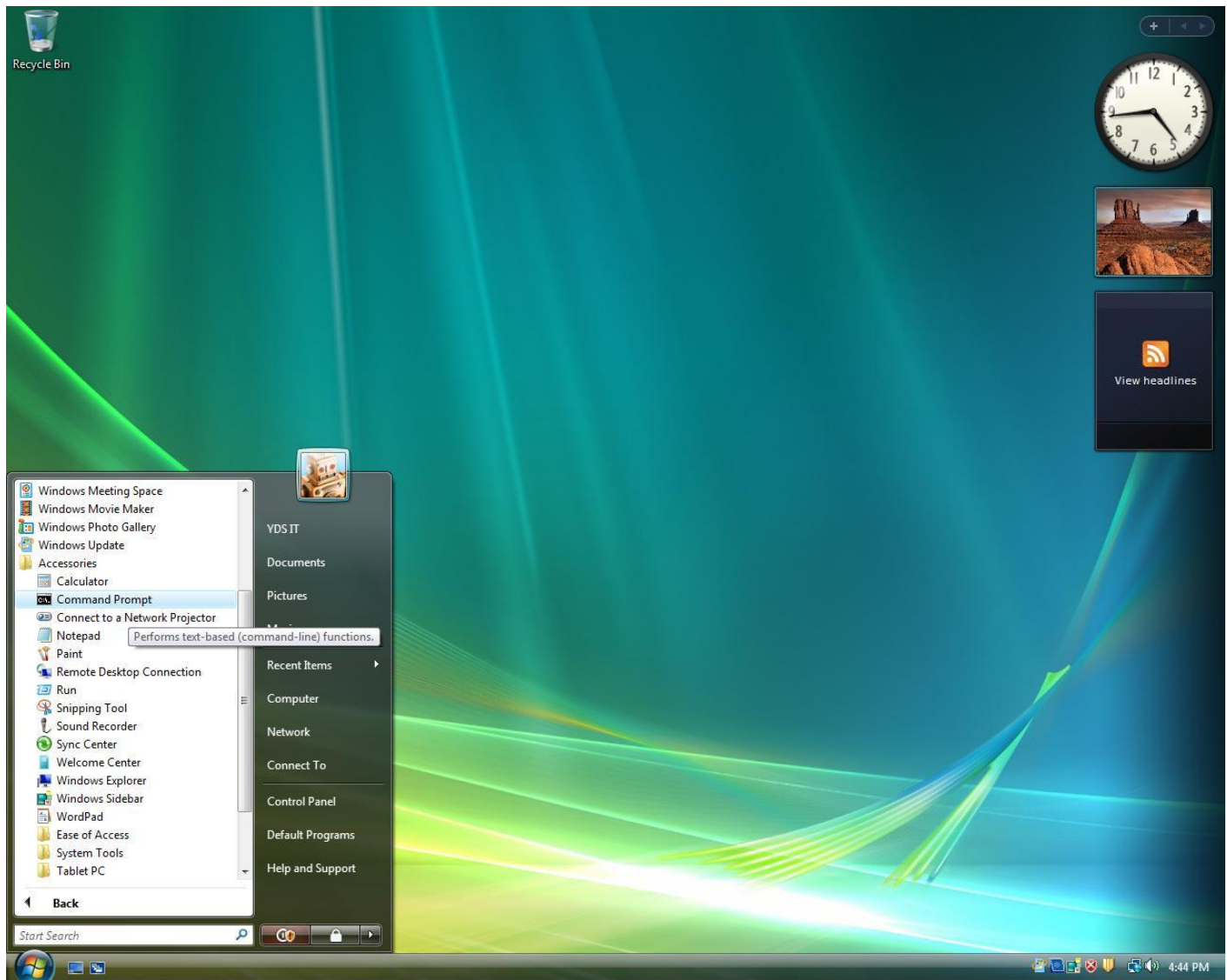
[ITS Help Desk: 203-432-9000.](#)
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7. Here is the tricky part, so pay attention. If your computer is a Mac, **skip to step 12 now**. For all versions of Windows, this next step is the same, though the Windows interface looks different in each version. Click the "Start" button, go to "All Programs," then to "Accessories," then click "Command Prompt." The screenshots below are what it looks like in Windows XP, Windows Vista, and Windows 7, in that order.

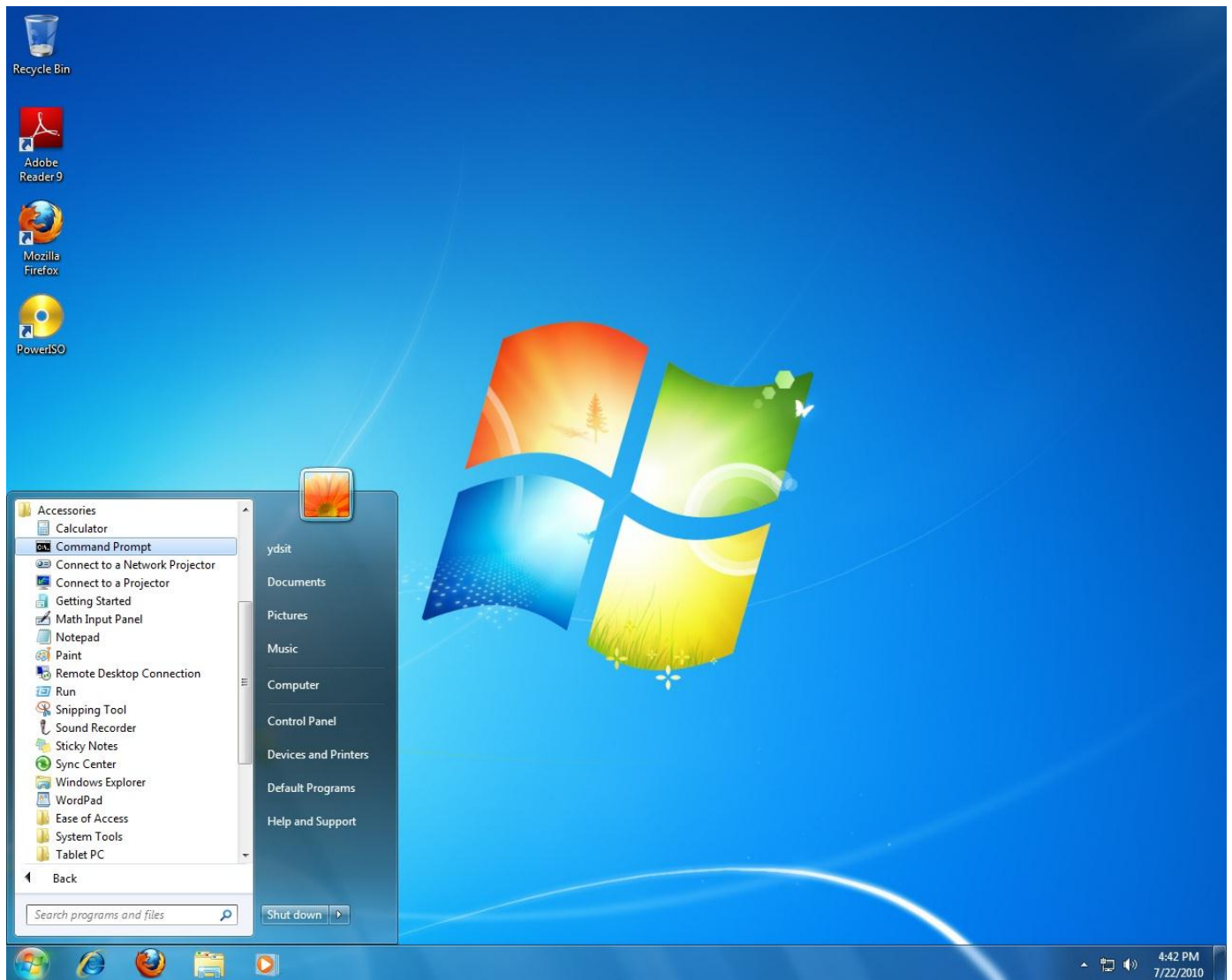
Windows XP



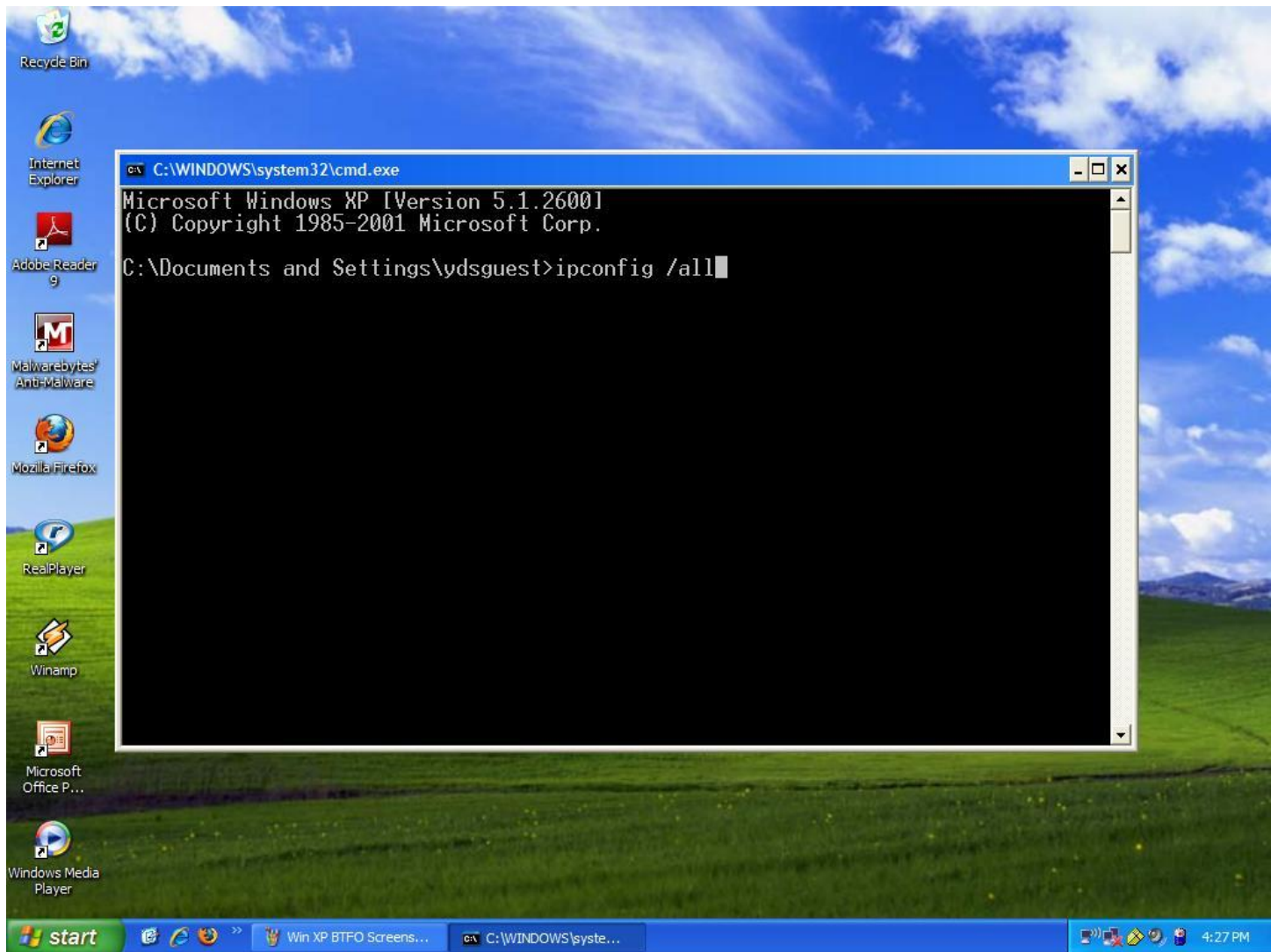
Windows Vista



Windows 7

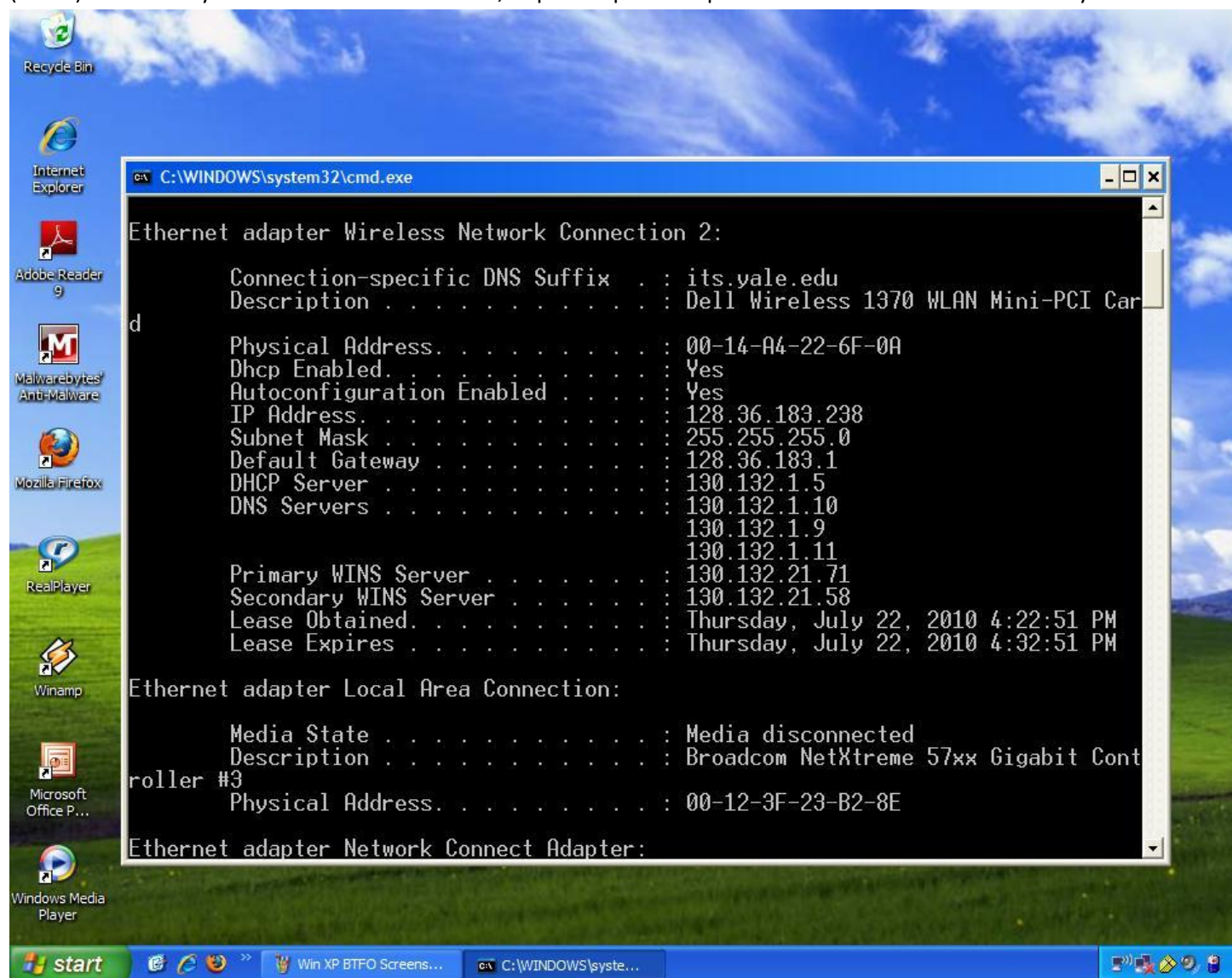


8. After a second or two, depending on the speed of your computer, a black box with white text should pop up with a blinking cursor at the end of a string of characters. Type the following without the quotation marks: "ipconfig /all."

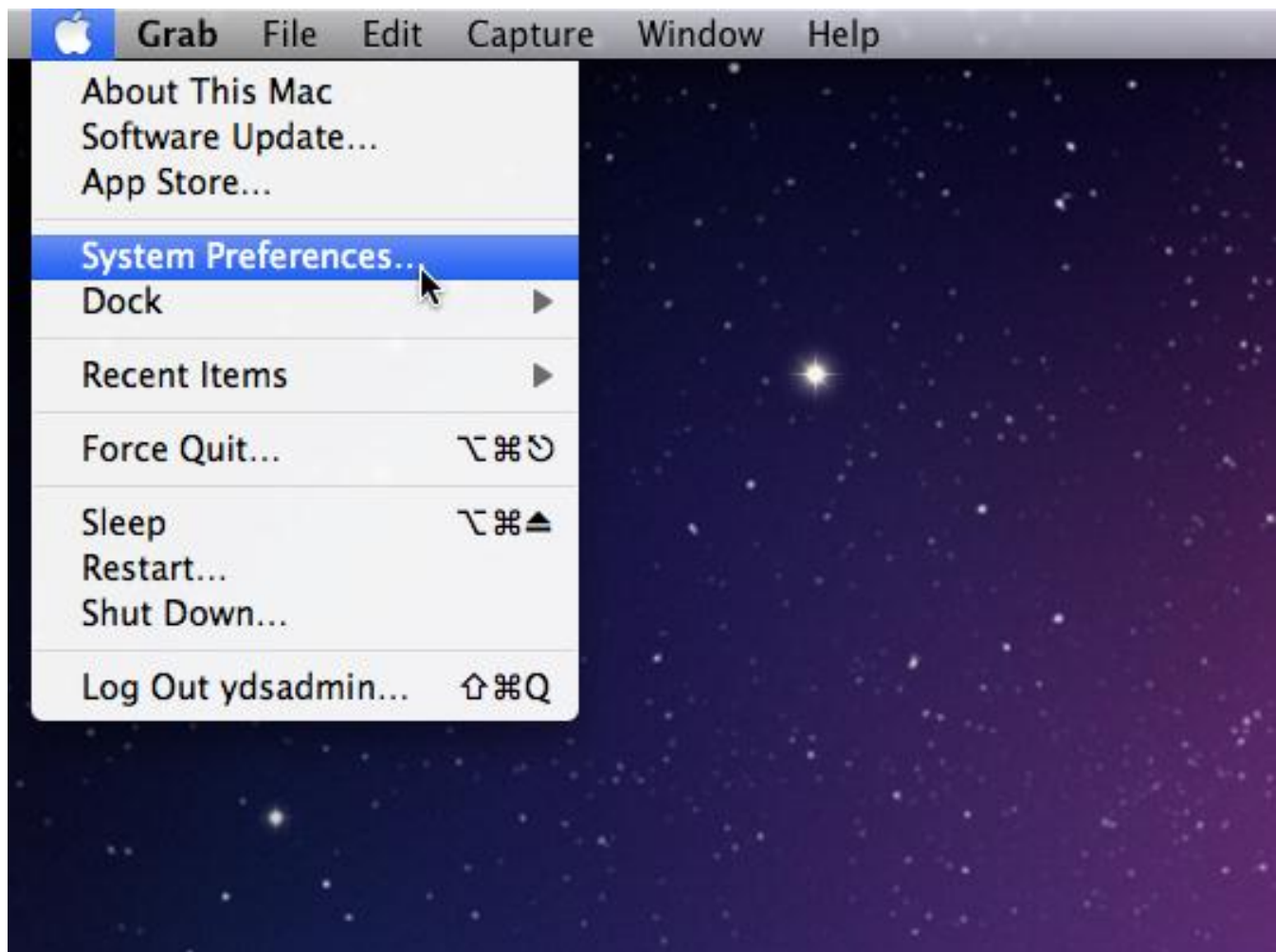


9. Hit the Enter key.
10. This next part may be confusing, so read points 10 and 11 of this document together, referring to the image under point 11. You should see a list of networking devices and the information about them. If your computer has wireless, then you will want both the wired and the wireless information. Look for the device labeled something like “Ethernet adapter Wireless Network Connection” or something like that. You may have to scroll up and down in the window to find this device, as there might be numerous devices listed with different names. Under the device with a name similar to “Ethernet adapter Wireless Network Connection,” look for the “Physical Address,” which consists of sixteen letters and numbers, divided into six sections of two each (e.g. 00-14-A4-22-6F-0A). This is the MAC or hardware address of your wireless network card. Write this information down somewhere.
 - a. You also want the hardware (MAC) address of your wired Ethernet network card. This should be named something like “Ethernet adapter Local Area Connection.” Write down the hardware (MAC) address for this card, as well.
11. Thus, in the example given in the image below, the hardware (MAC/physical) addresses of the Wireless and Wired Ethernet cards are the following, respectively: 00-14-A4-22-6F-0A (wireless) and 00-12-3F-23-B2-8E

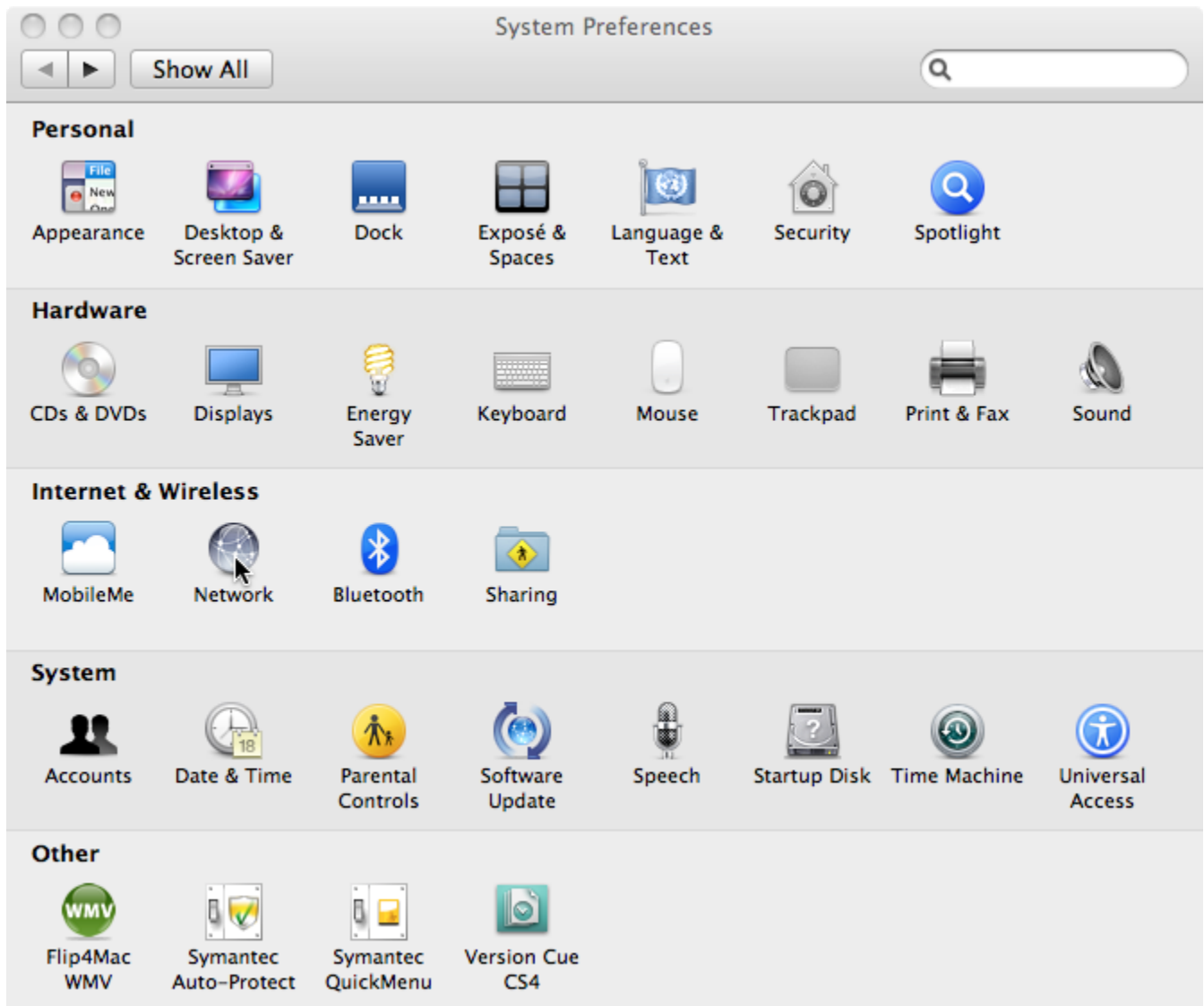
(wired). Now that you have written these down, skip to step 20. Steps 12-19 are for Macintosh users only.



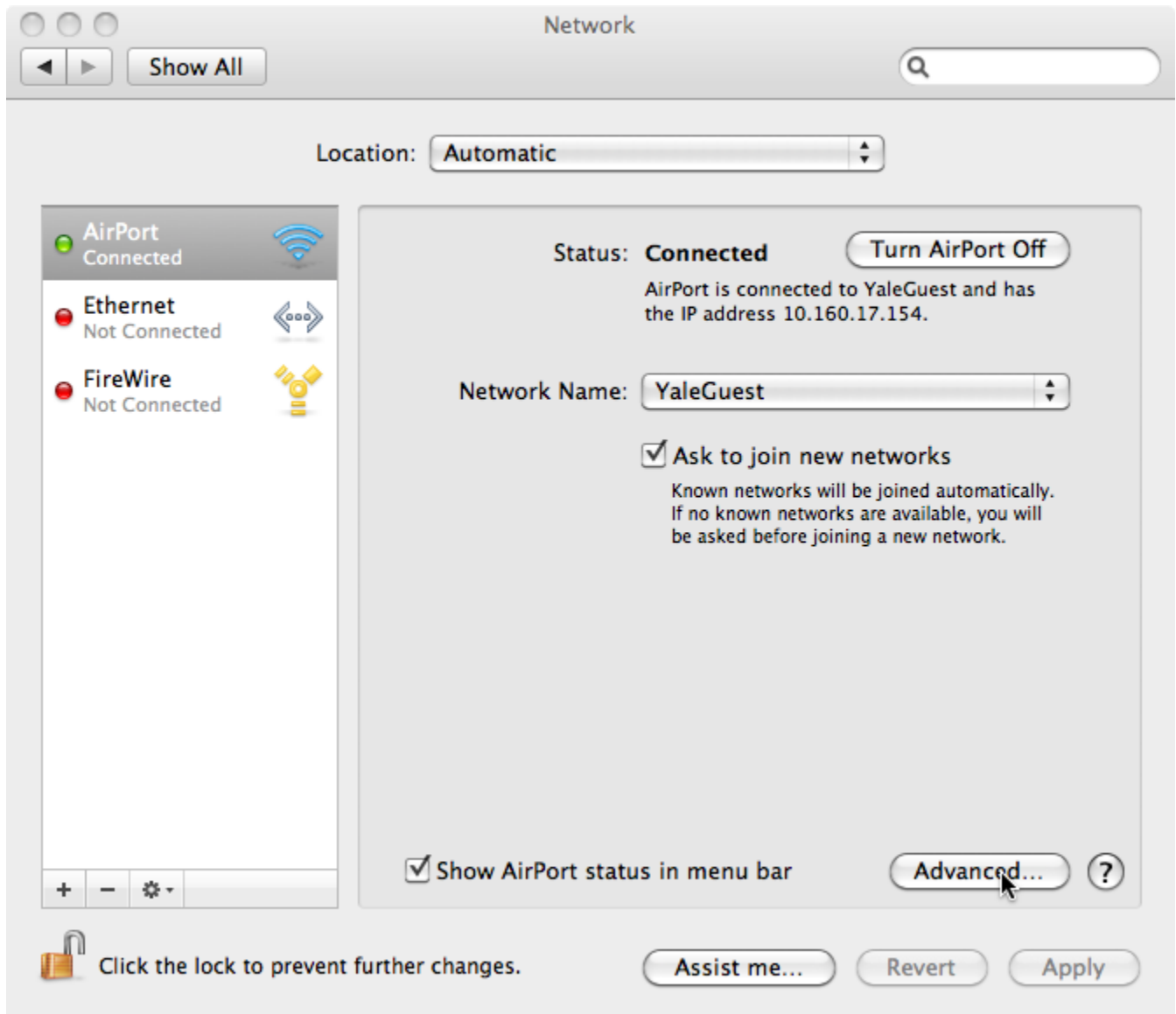
12. *For Mac Users only:* This section will describe how Mac users can obtain the MAC addresses (Mac and MAC are two different terms—"Mac" Macintosh and MAC stands for Media Access Control) for their network cards. First, click on the Apple symbol in the top left corner of your screen, and click "System Preferences."



13. Next, click the icon labeled “Network.”



14. Making sure that the Airport is still selected (it will be by default, unless you click somewhere else), click on the “Advanced” button at the bottom right corner of this window.



15. You will then see a list of Preferred Networks, a number of check boxes, and an identification number listed at the button under the label “Airport ID.” In the screenshot below, this ID number has been highlighted. Right down this number as being the hardware (MAC) address for the Airport card on your MAC. Then click “Cancel.”



AirPort

AirPort

TCP/IP

DNS

WINS

802.1X

Proxies

Ethernet

Preferred Networks:

Network Name	Security
YaleGuest	None
yale wireless	None



Drag networks into the order you prefer.

☒ Remember networks this computer has joined

☐ Disconnect when logging out

Require administrator password to:

☐ Create computer-to-computer networks

☐ Change networks

☐ Turn AirPort on or off

AirPort ID: 10:9a:dd:a2:94:0f



Cancel

OK



AirPort

AirPort

TCP/IP

DNS

WINS

802.1X

Proxies

Ethernet

Preferred Networks:

Network Name	Security
YaleGuest	None
yale wireless	None



Drag networks into the order you prefer.

- ☒ Remember networks this computer has joined
☐ Disconnect when logging out

Require administrator password to:

- ☐ Create computer-to-computer networks
☐ Change networks
☐ Turn AirPort on or off

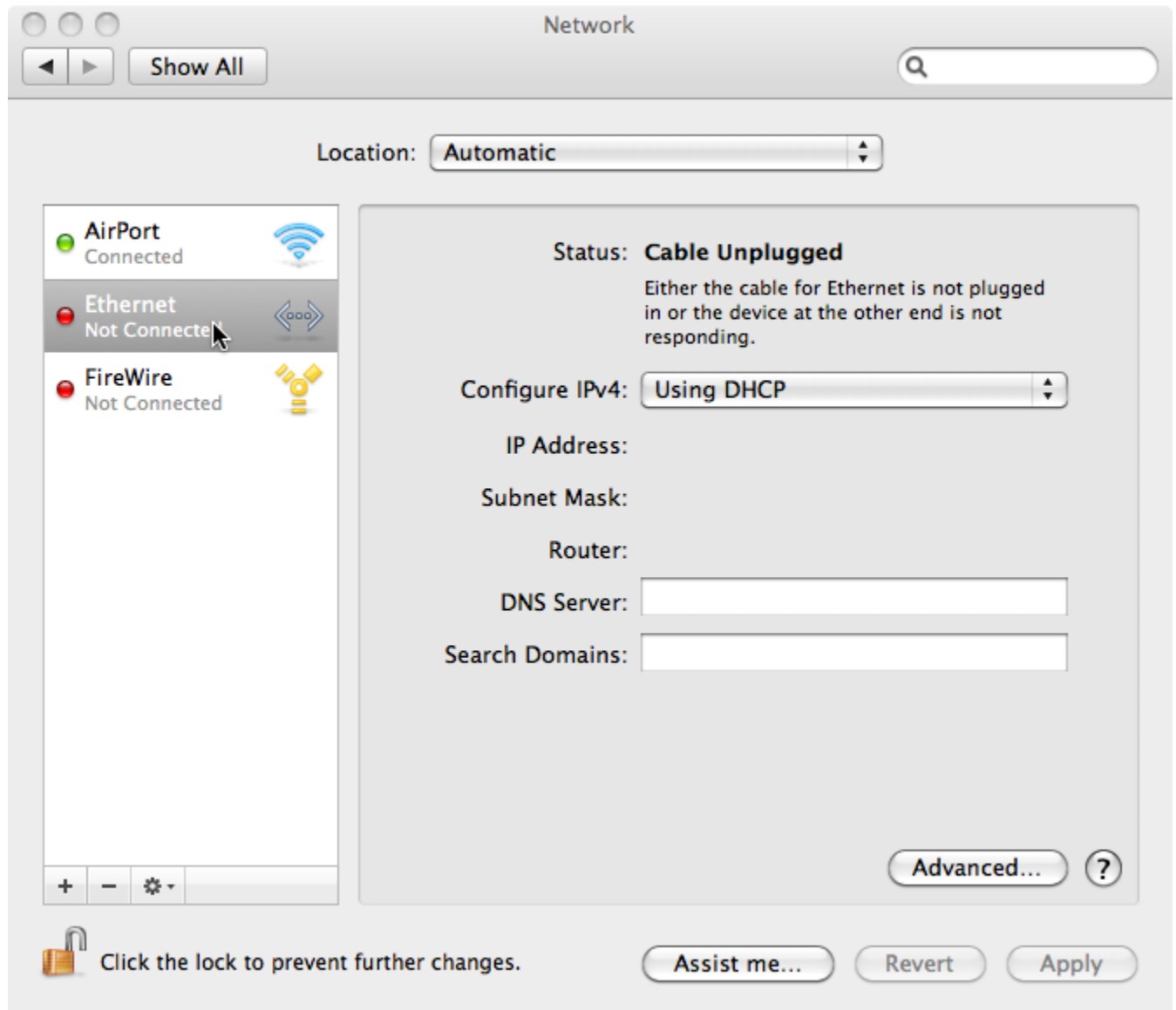
AirPort ID: 10:9a:dd:a2:94:0f



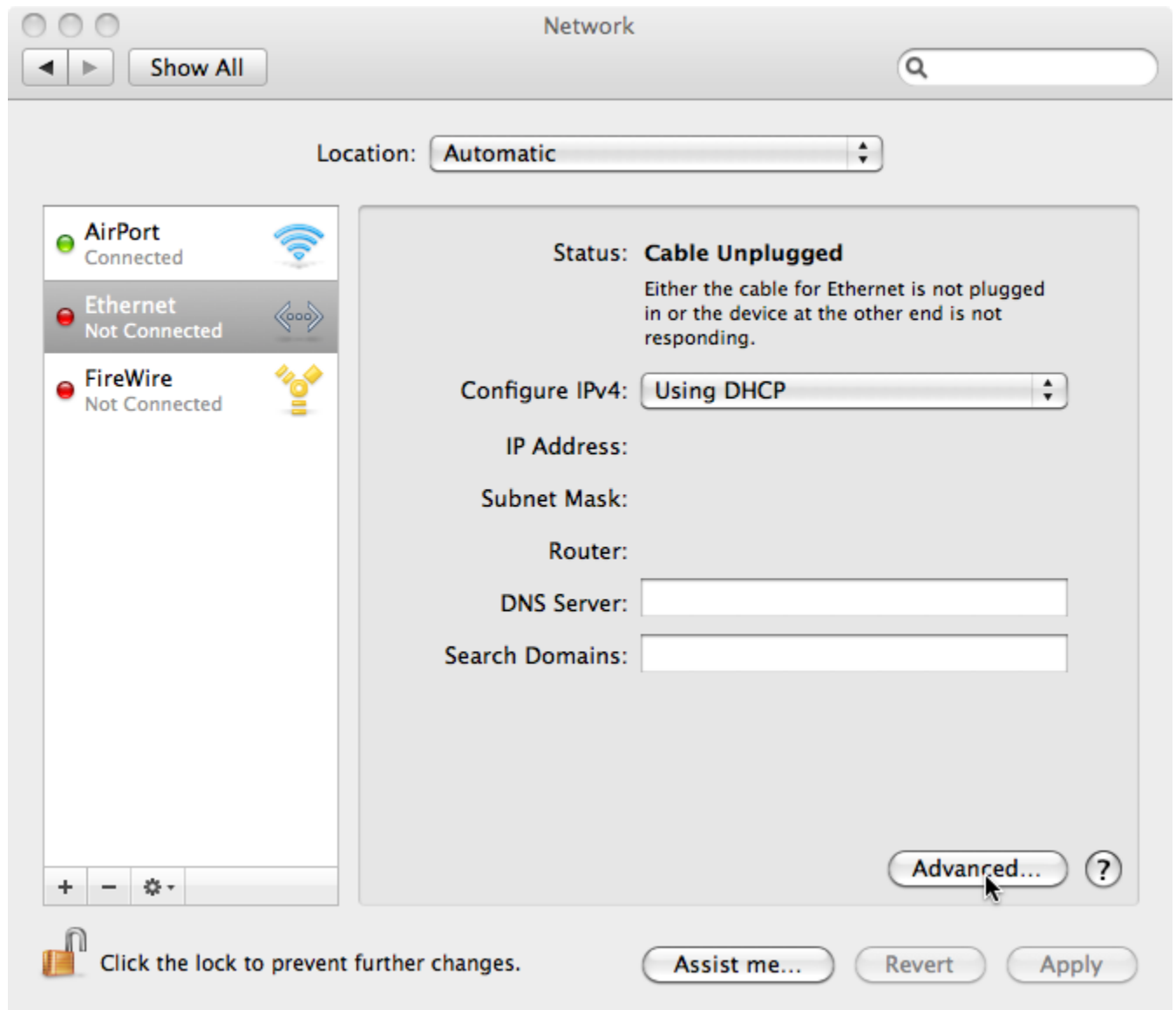
Cancel

OK

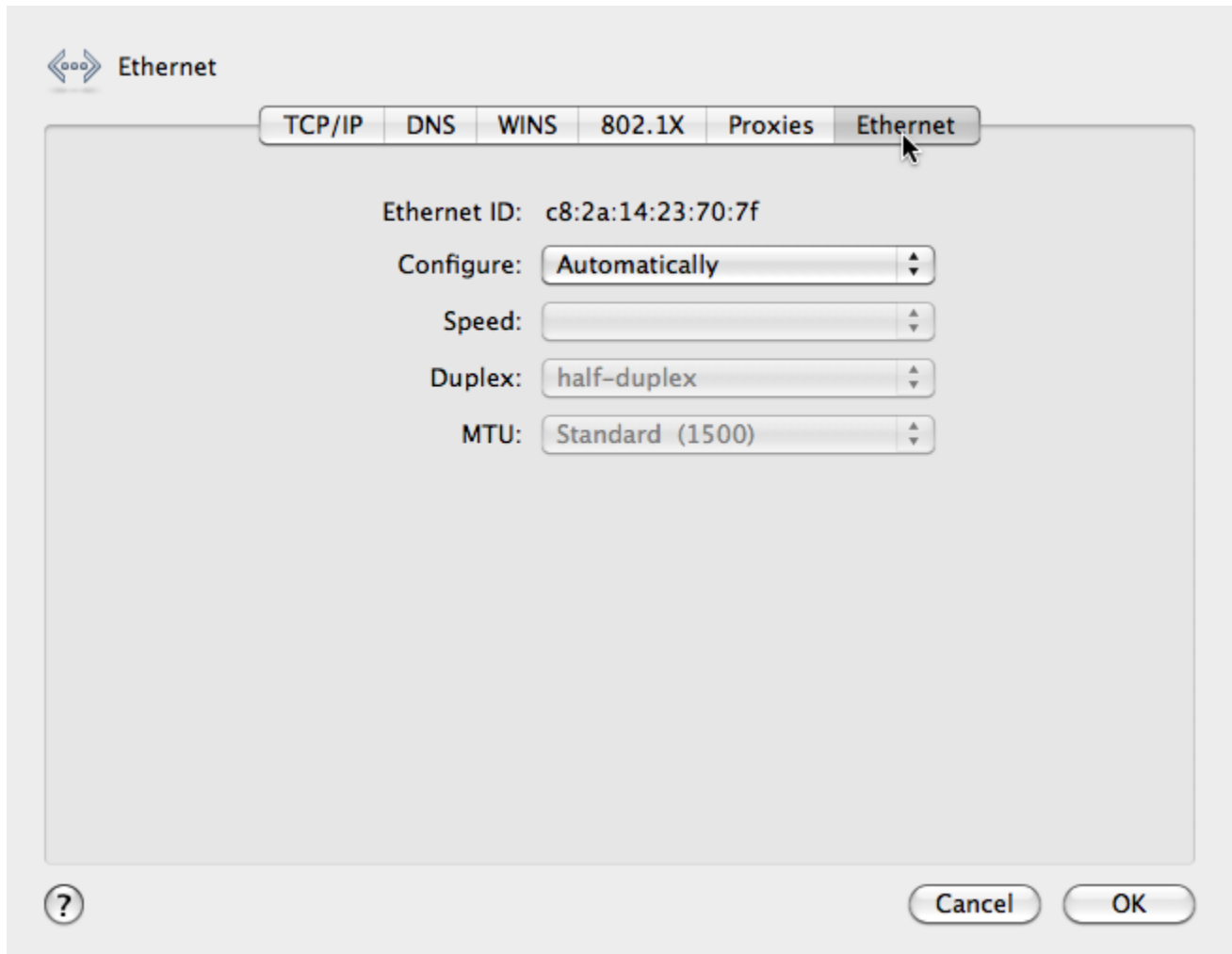
16. Next select “Ethernet” or “Built-in Ethernet” from your options in the left panel. It should be either above or below “Airport.”



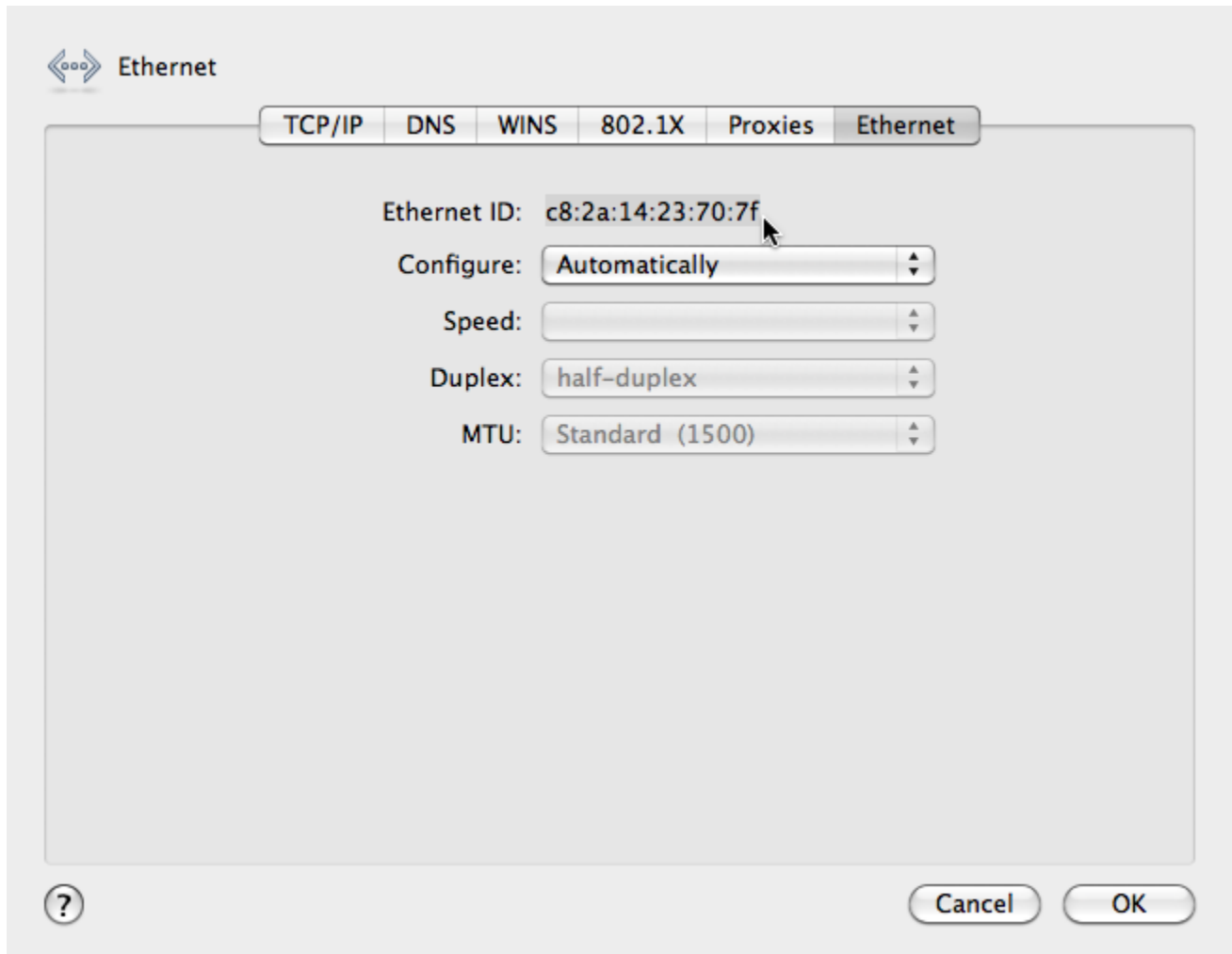
17. Once you have selected "Ethernet," click "Advanced" in the bottom right hand corner of the screen.



18. You should then see a row of tabs to choose from. Click on the tab labeled “Ethernet,” which is probably the last tab on the right.



19. You should then see the identification number labeled “Ethernet ID.” Write this number down as being the hardware (MAC) address for the Ethernet card on your MAC.



20. Now that you have written the hardware (MAC) addresses of your network cards, go back to the webpage that you logged into above in point 6 of this document. You will need to register each MAC address separately. In the text box next to the label “Hardware (MAC) Address,” input one of the values that you wrote down above for the Wired (Ethernet) and Wireless (Airport) hardware (MAC) addresses (see images below). (Note: The Auto-Detect function will only detect the MAC address of one of your cards if you have both wired and wireless, and the one that it will detect will be the one connected to the Internet. In addition, it has been known to sometimes fail and return unusual and unexpected results. We recommend just following the procedures in this tutorial. Enter the MAC address for the wired/Ethernet card first.)

Device Registration

[Help](#)

Click the "Detect" button to detect the MAC Address of the device you are currently using. If nothing happens, you'll have to manually enter the MAC address. Or if you wish to register a different device, enter the MAC address of that device. Complete the remaining fields, and select register. **All fields must be filled in.** Hover your mouse of the question mark symbol for help.

Hardware (MAC) Address

Detect

00-12-3F-23-B2-8E

?

Description

?

Operating System

Select One

?

Register

The following devices are currently registered to your NetID. If you wish to un-register (delete) a device, click the "Delete" button for that device. To change device information, delete the device and re-register it.

Device

Description

Operating System

00-92-37-AD-83-29

Test Computer - Ethernet

Windows

Delete

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21. Next, type a helpful description in the box next to the label "Description." For example, it is usually helpful to list the brand of device (Dell, Lenovo, Acer, Apple, etc.), the type of device (laptop, netbook, desktop, iPad, Android smartphone), and which MAC address you are registering (wireless or Ethernet/wired). Also, choose the operating system that you are using (Windows, Mac, Linux, etc.) from the drop down box next to "Operating System."

Device Registration

[Help](#)

Click the "Detect" button to detect the MAC Address of the device you are currently using. If nothing happens, you'll have to manually enter the MAC address. Or if you wish to register a different device, enter the MAC address of that device. Complete the remaining fields, and select register. **All fields must be filled in.** Hover your mouse of the question mark symbol for help.

Hardware (MAC) Address

[Detect](#)

00-12-3F-23-B2-8E



Description

Dell Laptop - Ethernet



Operating System

Select One

[Register](#)

The following devices are currently registered to your account. To change device information, delete the device and register a new device. To delete a device, click the "Delete" button for that device.

Select One

Windows

Mac

Linux

iPod/iPad/iPhone

Android Device

Kindle

other mobile device

Other OS

Device

Description

Operating System

00-92-37-AD-83-29

Test Computer - Ethernet

Windows

[Delete](#)

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22. Click "Register" once all fields are filled in.

Device Registration

[Help](#)

Click the "Detect" button to detect the MAC Address of the device you are currently using. If nothing happens, you'll have to manually enter the MAC address. Or if you wish to register a different device, enter the MAC address of that device. Complete the remaining fields, and select register. **All fields must be filled in.** Hover your mouse of the question mark symbol for help.

Hardware (MAC) Address

Detect

00-12-3F-23-B2-8E



Description

Dell Laptop - Ethernet



Operating System

Windows



Register

The following devices are currently registered to your NetID. If you wish to un-register (delete) a device, click the "Delete" button for that device. To change device information, delete the device and re-register it.

Device

Description

Operating System

00-92-37-AD-83-29

Test Computer - Ethernet

Windows

Delete

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23. Once you click “Register,” you should receive a message explaining that you have successfully registered that MAC address for Yale’s networks. This registration is good for one academic year.

[Help](#)

Device Registration

Click the "Detect" button to detect the MAC Address of the device you are currently using. If nothing happens, you'll have to manually enter the MAC address. Or if you wish to register a different device, enter the MAC address of that device. Complete the remaining fields, and select register. **All fields must be filled in.** Hover your mouse of the question mark symbol for help.

Hardware (MAC) Address	?
Detect	<input type="text" value="00-12-3F-23-B2-87"/>
Description	?
<input type="text" value="Dell Laptop - Ethernet"/>	
Operating System	?
<input type="text" value="Windows"/>	

[Register](#)

00-12-3F-23-B2-87 successfully registered

The following devices are currently registered to your NetID. If you wish to un-register (delete) a device, click the "Delete" button for that device. To change device information, delete the device and re-register it.

Device	Description	Operating System	
00-92-37-AD-83-29	Test Computer - Ethernet	Windows	Delete
00-12-3F-23-B2-87	Dell Laptop - Ethernet	Windows	Delete

For assistance, please contact the ITS Help Desk at 203-432-9000.

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24. Repeat this process again from step 20 to register your wireless/airport network card.
25. If you are on campus, wait about half an hour and restart your computer. You should then be able to connect your computer to an Ethernet jack or connect wirelessly through the wireless network named “yalewireless.” You are now done with Stage 2 Network Connectivity!