

# Wireless Connection

## to the Internet in the Jackson Library

If you have a notebook computer, chances are you would like to use the Internet to do research, check your email, or any number of activities. Many new computers come with Ethernet jacks and wireless 802.11b network cards. Wi-Fi, or wireless fidelity offers the most freedom about where you use your notebook computer. If you don't have a network Ethernet jack or wireless capabilities, you can buy simple add-in cards called PCIMCA or USB Ethernet adapter which will plug into your computer.

*"Check your owner's manual to see what devices your notebook includes."*

The first thing to understand is what you have on your computer. Some newer notebooks have Ethernet, wireless, and USB (Universal Serial Bus) which lets you plug external devices in quickly and easily. Check your owner's manual to see what devices your notebook includes. The wired network in the Jackson Library is 100 Mbps while the wireless is currently 11 Mbps. Most Ethernet ports are 10/100 Mbps meaning they communicate at either 10 or 100 but prefer 100 Mbps if that speed is available. There are three primary wireless types: 802.11b (11 Mbps), 802.11a (54 Mbps), and 802.11g (54 Mbps). Buy 802.11g if you can afford it since 802.11g is backwards compatible with 802.11b. We currently support 802.11b which is fast enough for most people and the flexibility and freedom from "wire" is worth the slight speed sacrifice.

*"Wi-Fi or Wireless networking offers true freedom."*

Once you have the wireless adapter installed most computers will automatically detect it when you plug it in and ask for the software driver disk that came with your purchase. Go to network connections in the control panel and open the properties of your new network connection. Set your TCP/IP properties of the network connection to Dynamic (DHCP) or "obtain an IP address automatically." Windows XP computers should work without rebooting however rebooting may be required for other systems. For Internet access logon with your user name and password to **IWUNET**. If you do not know or are unsure of your user name or password contact the IT department at 677-2209.

If your computer does not have wireless capability but it does have a network Ethernet port, connecting to the Internet in the Jackson Library is still easy. Most people only need a network cable which you can check out at the Library Circulation Desk. Many of the study carrels have network cables already installed so you may not even need to check one out.

If you have questions, please ask us because we are glad to be of service. Call 677-2181 or email [nathan.schwartz@indwes.edu](mailto:nathan.schwartz@indwes.edu)