

Printing in the Open Lab

The printing procedure is a three step process:

1. Get a Terrapin Express and print account from the Terrapin Express Contract office in South Campus Dining Hall.

2. Log in at an Open Lab computer and telnet to bank.umd.edu. Type:

telnet bank.umd.edu <enter>

The login name is teller. Enter your print account and password when prompted.

If you type **balance** at the prompt, your print account balance and your Terrapin Account balance will be given. You will need to transfer funds from your Terrapin Express Account into your print account in small increments.

Use the command **transfer**. Remember that amounts are in cents, so if you want to transfer \$1.00 from your Terrapin Express account to your print account, you would type:

transfer 100 <enter>

Other commands can be listed by typing **help <enter>** at the prompt.

3. Print with the QPR command:

qpr -q printername -m cents filename

The name of the black-and-white printer is **geogbw1** and the color printer is **geoglab**.

The black-and-white printer costs 10 cents and color prints are \$1.00. For example, if you wanted to print a two page file called project.ps to the black-and-white printer, you would type:

qpr -q geogbw1 -m 20 project.ps

Accessing Applications

To access **ArcView**, type:

gtap arc <enter>

arcview <enter>

To access **ArcInfo**, type:

gtap arc <enter>

arc <enter>

To access **PCI**, type:

gtap pci <enter>

pciworks <enter>

To use the **Digitizer tables**, *you must be at the Arc prompt and you must be at one of the computers that is connected to a digitizer.* To set the **&Terminal** and **Display** commands type:

&terminal 9999 <enter>

display 9999 <enter>

To connect the GTCO digitizer to the workstation, type:

&station GTCO <enter>

OR to connect the CALCOMP digitizer to the workstation, type:

&station CALCOMP <enter>

To launch **Netscape**, single-click on its icon in the lower right-hand corner of your screen.

To open **pine**, type:

pine <enter>

To start **xv**, type:

xv <enter>

Right-click in the xv window to make a menu appear.

*Welcome to the
Department of
Geography
Open Lab*

Hours of Operation:

Monday	10am - 3pm; 5pm - 9 pm
Tuesday	10am - 9pm
Wednesday	10am - 9pm
Thursday	10am - 2pm; 4pm - 9pm
Friday	10am - 9pm
Saturday	10am - 6pm
Sunday	<i>closed</i>

Web site:

<http://www.geog.umd.edu/openlab/>

Phone number:

(301) 405 - 4075

Open Lab Rules of Operation

1. No food or drink is allowed in the Open Lab at any time.
2. Never turn off or reboot a UNIX workstation. If you have a problem with a computer, inform the Lab Assistant on duty.
3. Do not leave papers, personal belongings, etc. unattended in the Open Lab.
4. Do not remove any Open Lab materials (including books and maps) at any time.
5. Do not use the X-lock command.
6. Discussion among users is permitted. However, excessive noise should be avoided.
7. If you move anything from its original location (i.e. books, chairs, maps, etc.), please return it when you are done.
8. The only chairs that can move between the rooms are the brown vinyl chairs.
9. You are only permitted to work in the Open Lab during posted hours. Please leave when the Lab Assistant closes the Lab.

Please direct any questions to the Lab Assistant on duty.

Common Unix Commands

cd *directoryname*

Change directories. The path of the directory must be specified correctly, for example: cd /data/geoglab/g373

cp *filename1 newname*

Copy *filename1* to *newname*.

du

Lists the disk usage of all files in your homepage.

du *filename*

Lists the disk usage of *filename*.

du *directoryname*

Lists the disk usage of *directoryname*.

file *filename*

Identifies the file format of *filename*.

ls

To list your files.

man *commandname*

Displays help for a specific command. Type "q" to exit.

mkdir *directoryname*

Make a new directory.

more *filename*

Reads a text file to the screen, page by page.

mv *filename1 filename2*

Move *filename1* to *filename2*. Use this command to rename files.

Common Unix Commands (continued)

pwd

Display the path to your current directory.

qcheck geogbw1

Check the print queue for the black-and-white printer in the Open Lab.

qcheck geoglab

Check the print queue for the color printer in the Open Lab.

qmod -k *printjobnumber*

Kills a user's print job

quota

Identifies available home space.

quota -v

Identifies available class work space.

rm *filename*

Remove a file.

rmdir *directoryname*

Remove a directory.

See section on **Printing** for print commands.

Need more info? See

<http://www.geog.umd.edu/openlab/> or
<http://www.inform.umd.edu/CompRes/docs/WAM/start.html> or
<http://www.inform.umd.edu/geog/homepage/courses/materials/unix/unix1.html>