



Center for Toxicology, Southwest Environmental Health Sciences Center (an NIEHS Center)

Experimental Pathology Service Core

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How do I create high quality hard-copy output of digital images?

- There are several options on campus for high quality output of digital images. In this issue we'll highlight the Codonics NP1600 dye sublimation printer located in AHSC 4212.
- The Codonics printer is a 300 dpi, 16 million color printer. The output from this printer is on either glossy polyester paper or transparency film. The quality is such that the hard-copy looks almost indistinguishable from a photograph. The prints are suitable for submission in grant applications and for publications.
- The printer is actually a UNIX computer that is accessible via the campus network to any computer on campus. The printer can be accessed through an easy to use WWW interface (*currently only compatible with Netscape*) or via FTP (*if your network Administrator is using a "firewall"*). Files that are sent to the printer this way MUST be bitmapped graphics files, such as *.tif files (*not PowerPoint, Photoshop, Corel Draw, etc*).
- The printer can also be made available as an AppleTalk device (*users must make special arrangements*). In the future we hope to have a PC connected to the printer that will enable users to print their files via a parallel port device (*if you have a laptop, your PC can be configured to connect to the printer now*). These options enable users who do not have bitmapped files (*e.g., vector-based graphics files*) to send files to the printer.
- For more information on this printer, contact Doug Cromey. There is a user-friendly handout available.
- Dye-sublimation media is expensive. All users pay a per sheet charge based on the number of prints they make each month. The price is currently \$2.50/sheet of paper and \$3.00/sheet of transparency film. The billing for the printer is handled by the Imaging Facility, Division of Biotechnology, Arizona Research Labs.
- The Codonics NP1600 dye sublimation printer was upgraded to version 1.6 of the Codonics software (*on 2/1/99*). The software should improve print speed on this already quite fast printer.

Photoshop users

- Users of version 5.0 may want to consider an upgrade to Photoshop 5.0.2. There are a number of improvements in this update, especially with regard to how text is handled and displayed in Photoshop. A free download for registered users is available in the Free Plug-Ins and Updates section on Adobe's Web site at <http://www.adobe.com>.

Instruments have relocated:

- The Packard Instant Imager (*electronic autoradiography*) has moved to AHSC 4211 (*just across the hallway from the Histology Lab*).
- The BioQuant Image Analysis System has moved from the Histology lab to AHSC 4233 (*just down the hall*).

Histology Update:

- We will begin interviewing candidates for an on-call position in early March. The addition of an on-call staff member should allow us to catch up and stay caught up with the current workload.

35mm Slide printer:

- The Imaging Facility (Division of Biotechnology, Arizona Research Labs) has a Polaroid HR6000 35mm slide printer available. In the past it has been difficult to make this equipment available to a wide range of users due to some frustrating software limitations. New software has been purchased that should make this piece of equipment more readily accessible to all interested users (PC and Macintosh). More information will be in the April Newsletter (*after we learn more about how the new software works*). Contact Doug Cromey if you need more information.