

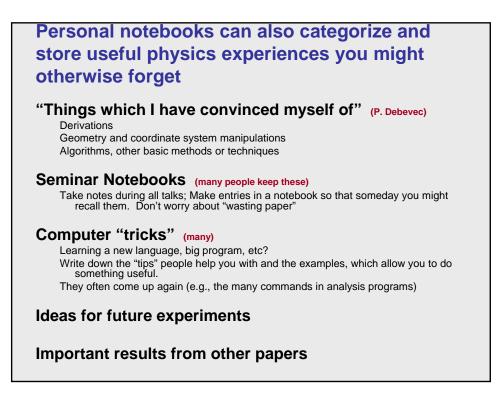
<u>Personal</u> logbooks keep your records of progress, findings, analysis, code changes, techniques

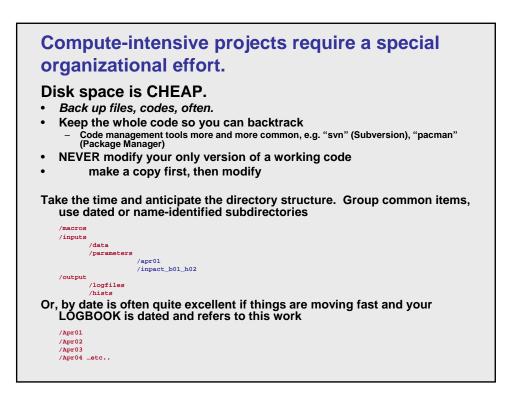
Your "diary" – Make it useful and meaningful

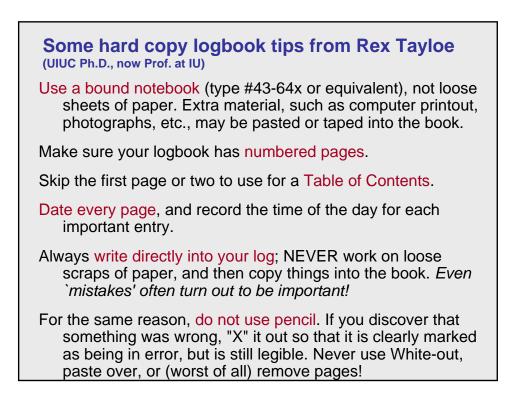
- Daily entries keep track of flow of project:

"Today (3/10/03) I moved the voltmeter to the AC setting to look for background 60 Hz. Was less than 2 mV. Added standard cables and jumped to 20 mV. Spent afternoon shielding the system...now better, always less than 2 mV. Important when I change setup to always check this..."

"Changed the integration routine in the standard part of the code to 4th order RK. This seems better so I'll keep it. Archived old code as starsearch1.cpp in the /project directory. New one called starsearch2.cpp; same dir."



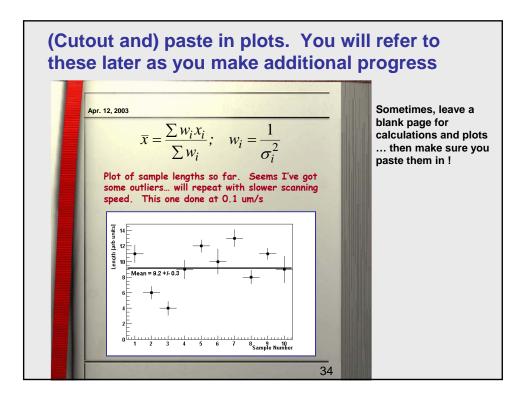






- When you start a project, state briefly what its goal is -- just a few key phrases to remind yourself exactly what you will be trying to do. This will get you in the documentation mood.
- As you go along, jot down enough information to indicate what you are doing at that moment. Remember to note the times.
- Provide diagrams (sketches, electronic schematics) of the apparatus, with complete information on settings of controls and other relevant instrumental data.
- As a rule of thumb, entries should be sufficiently detailed that you (or someone else) would have no trouble reproducing your experimental setup.

All measurements should be recorded immediately and directly.



Other electronic alternatives to the traditional paper logbook ... make a web or Twiki page, or use a document data base (large experience)

For shared projects or projects that require frequent feedback from someone else (often remote), an electronic "web" form can be quite handy.

Advantages: You can store a lot of plots, update frequently, and have multiple people provide entries. Access is easy.

Here's an example of what we use

https://nedm.bu.edu/twiki/bin/viewauth/NEDM/WebHome

http://g0web.jlab.org/doc-private/DocumentDatabase

