



Space.Create (2.5 seconds, mostly in the allocator for placing a subspace within a space)  
mapping data spaces (currently creates a new file for each space)

### STAFFING

Randy Gobbel started on January 22.

We are still short of people. We need one very qualified person in a hurry and a second shortly thereafter, preferably before the summer.

Gobbel inherited Purcell's Alto. A new person will need an Alto as soon as he arrives.

The D0's in this building are a bare-bones minimum needed to support Pilot 3.0 and Pilot debugger development. I have agreed to share Burrito (formerly known as "Purcell's D0") with Wick. This will be moved into Johnsson's old office and Wick will come up with an Alto somewhere.

### ISSUES

The impending departure of Carol Hankins has exposed a problem/risk area in the dependence of Pilot 3.0 on certain microcode support. In the short term we require at least the following that Carol would have done:

- Microcode files to be organized for software booting between Pilot and Debugger.
- Software booting function to be implemented (interim hack will do)
- I/O page to be moved (including CSB's for existing disk and display)
- Timer support in new I/O page (interim hack will do but time of day must be preserved across calls to debugger)

In addition, we expect Johnsson to help in the following areas:

- Adapting Snow's process microcode for PrincOps
- Running with MDS away from first 64K of VM
- Traps, page faults, etc.

All of this must fit into a fairly tight schedule if we are to meet Pilot B and Pilot C milestones on time.

A more global issue to resolve is the allocation of responsibilities for I/O device drivers, controllers, and certain utilities between IODU and Pilot. This should be discussed.