Proposal for Batch System

Considerations:

1. The proposed Job Mix is Unit Record Bound, not compute bound.

2. No Tapes - reasonably straight forward addition possible.

3. Low Level Disk System implemented.

4. System modified for Real Time Operating - i.e. events.

5. Use existing code where possible.

6. Clock event channel in the system.

Implementation Proposal:

A. The System Runs in Three Processes:

I. 

II. 

III. 

THE Batch Beads are Regular Beads with simple modifications to the Teletype I/O to communicate on file system + bubi.
B. Accounting is done via the Snobol driver in real time units.

C. The system runs off of a teletype near the console, messages concerning accounting go on the teletype output, I line per job through the system.

III WORK INVOLVED

A. The special beans would take one day to code and debug. About 20 lines of code are involved.

B. The Snobol program is straightforward, about one or two pages.

C. The scope simulator would have to know about each channel, designated as files. About one day would be required to add this feature.
IV  
(New) Requirements for Code

A. The C-R driver would be called to read one file from the C-R in display code, sparse file format (similar to current taped drive).

B. The printer driver remains unchanged.

C. The disk system would have to be made the Bebo, interfacing solely through ECS actions.

1. A file becomes opened to the disk system when it is created by the read using C FILE, OPEN

2. F-return read/write on existing block with no change

3. New additions to the file's length are known by create block operation

4. File closes are known on destroy file operation