Proposal for proprietary subprocesses.

II) New disk system object and actions.

Object is called a proprietary subprocess descriptor.

This is exactly like a directory capability except
of new type. (Locked directory?)

A) Create proprietary subprocess descriptor
   c: directory

   produces a capability exactly like its parameter except for
   the type field.

B) Unlock proprietary subprocess descriptor (available only to
   that subprocess which builds user subprocesses)
   c: proprietary subprocess descriptor

   produces the original directory capability.
II) when a proprietary subprocess descriptor is presented to define a subprocess it is assumed that in the directory,

under 'File' is a bearer type subprocess descriptor.
under 'key' is an access key (see below for details).

A subprocess is constructed using the filter descriptor.
Any objects named in the descriptor with user name 'Locate' will be looked up in the given directory.

III) The subprocess can protect itself from mild panics by enabling interrupts (currently by allowing catching class 178 errors).

IV) If a major panic occurs while one of these subprocesses exists, no reference to its caretaker will be permitted. This inhibition will be removed upon execution of a new command processor command (known?) with one parameter, an access key identical to the one under 'key' in the original directory.
V) I have not yet figured out what to do
with theclist for the subprocess

VI) Such a subprocess should expect to be killed
at any time. (break, processor) (or Dead Start)