Pending lessons, etc.
Various Considerations
("goodies left behind")

1) can engineer PPM = about to 1-counter in xpack?

2) choke not done in Emotion

3) I.WAIT memory test at NOKOC

4) Each change:
   1) don't dec 1 counter
   2) set "kung on each" bit in PRONHEAD
   3) clear same

5) Dene's scheduler

6) Howarde clock stuff
1) Funny error for missing block during create process

2) NEWIOS won't call a subr for an error when it should!

* 3) In C1ROC, increment ref counts on map blocks; if err, decrement counts (avoid 2CP disaster)

** 4) argh-1) Timer must be maintained in ECS in the X-O descriptor
   2) Did Gene augment the zones in ECS or CM? (ECS is the answer)
   3) What about the message mechanism??
Pending changes

1) Send event / get event: don't mess with f_counter

2) Allow tempo to process descriptor

3) Check local C on SP damage

4) BADMAP in C081411
1) in CHKSCHD, should the set in the third case?
   (it will be at whatever they're finally scheduled)

2) Some some expert stuff TCERS

3) What is the funny CLKWAIT logic??
NEWTOS, on int call

Primary interrupt - should clear P.INTERR

But must make sure there's

room in the stack for the

interrupt to actually run

first; also, clear pending

interrupt flag as subp;

set intter but in old TOS


3a bug in SYSENS: 'RECS P.SCRCL'

To read operation.

More code out of R.O part of process descriptor; leave

Timer in jMess made in. Check all code

referencing PROHEAP etc., but: change

the RECS 3 after OMYS to RECS P.PROCRO
I flag means something has happened to
the process since it was swapped out,
so that it cannot simply be restarted
by swapping it in before doing any IO.

W, unchain from cache
D, it is awaiting destruction
V, an event arrived, set PCQ: almost fin.
It must be set by any action which reschedules
a descheduled process
  1) arrival of event
  2) " interrupt
  3) " time (was time-outed)

At swapin:
There only case where PCQ in top of stack
days "in middle" is when process is hung
on EUC H?
Stack conditions you can see and their significance

PCQ f - return count what's happening

about to execute garbage

almost finished garbage

in middle

N > 0

error calculating x5, 0

new f - counter x5, 0

x5, 0 gone

(newly returned from interrupt)

f - return processing:

doing order N+1 x5

of an operation

O

did a subprocess call x

(interrupted during CLIWH)
TOS_PROC is a Terminal Routine

New TOS subroutine
   0) bad B3 - disaster
   1) error, crash, won't return
   2) stack full, error, requested TOS not made,
      new TOS relevant to error is made
   3) Environ error - new TOS exists,
      environ as for same error, exit
      from environ
Fast actions - separate type?

dock
find fill
stock
gtech (0)

4 words
6 words
4 words
?