Concerning Intermediate Computer

Meeting with Dunwell, Buckholtz, Blaauw, Kolsky, Nov 5, '58

(Dunwell) — very serious — spectacular

- Try to contain forces until proper decision is made

  — 7000 A — previous study

  controls, etc can be used — good starting point

to get Senior Stretch out — most serious prob. now but

  by Mar 1 — Stretch people can be released to do detailing

Engr, Committee: — depend on part-time activities,
  S. Campbell: - part time.
  Si Wong has another avenue — shall fit in later.

Making a modification of Stretch — may not be as difficult as possible

  e.g. modify exchange by using new circuits — costs should be minor

  on prod, engr, etc. in plant.

"Release" — will be much more minor prob than in past —

  basic exch, HS exch, SWIFT Tapes = slip in changes

  example: Disk file running with only nominal other operations — may need

  only 1 Swift at a time   or   1 Swift & Disk,   or 2 Swifts?

1. Program Compatibility with Senior Stretch — various reasons make this important
   instruction set same   (Try to put price on it?)

2. Memory — Same, set a limit on number of boxes — simpler bus system.

3. I/O — possibility of using channel adapters.   Plotter, CRT, paper tape
   no. of chanels?, rates? Low speed chanels? Swift tape? (no.? rates?)

- disk file - combinations? (low speed - & high speed disks?)
or serial only?

4. Time Scale: ~~Sigma~~

Model in '60   Model '59

Production in '61   Production '60   6-8 machines,

(only scale 705 TX can be kept out) — can't do this & 705 both.   ← Engr. Management

5. Type of Problem:

- joint commercial - technical?, what is commercial area? - ~~etc~~

on-line operation? what kind of jobs, what kind of networks

6. Price: ?.0 7090 - Sigma

7. Performance: ? greater scope than 7090 — both commercial & tech — multiprog — larger
mem — disk files — etc,

question: where in 7070, 7090, SIGMA, area

"Black Boxes" on 7090 for DEW & SABRE — magnitude of these Boxes

8. SABER   - is this included?

question: of RTA machine for ITT. — division between MP & D.P? mkt?
in govt. mkt.   wiggling? price?
minitization.

example - weather problem. — ?   to keep out RTA's, etc.

SY Wongs - multiple computers interconnected.

About Committee:

    - joint chairmanship?

    - membership?

    - who report to?   Serry → Budoltz

    - Time scale of program? schedule - figure out -& Tell everyone.

      - pieces at earlier date - more later.

      (eg. Disk file, exchange in Jan --- may make modifications,)

    plans approved by Mar 1.

    pressure on specific items eg. SWIFT some earlier.

  - name?   serious - -