

File: Super Stretch ✓

FSD Headquarters
Rockville, Maryland
27 October 1960

Memorandum To: File

SUBJECT: Call to Dr. F. P. Brooks regarding STRETCH, 26 October 1960

Q: What are DSD's plans regarding redesigning STRETCH?

A: Probably will not redesign. Market is too small and DSD has too many other things to do. The way the machine has come out it should be redesigned -- to up the performance. Plan to leave it as a "Dead End".

Q: What are DSD's plans in big machine area if not a redesigned STRETCH?

A: Plan to announce in about 3 years (1963) a machine of 3/4 to 1 1/4 STRETCH performance at considerably less cost. No intention of going higher -- this is FSD's region.

Q: Since FSD must get its money from government contracts almost exclusively (except for small MARP studies), how can FSD ever develop a big new machine without Corporate funds since no government contract will support a complete machine program?

A: DSD is presently supporting a lot of technology research; for example, the 3/4 usec memory and the Esaki circuits. DSD will continue to do a lot in this area.

Q: How do the Esaki circuits look now?

A: Not too good, but we have several years to deliver a machine.

Q: What about cryogenics?

A: Recently there have been some encouraging results at Kingston. Forty cryotrons have been evaporated on a plane; 3 out of 5 were perfect. These are slow. Cryotrons will never be as fast as good solid state devices.



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HGK/del