

Reg. Meetings 8:30 Monday

P.P. Dept. Meeting April 10, 1958

New org.

Jones
↓
De Carlo
↓
Kenney
↓
Pendery

Dr. De Carlo - Mkt. Program Org. New Mgr.

Jack Kenney Jr. - Prod. Planning Mgr. (Simmons former job.)

Don Spalding - Dir. of Sales Services (De Carlo's former job.)

Vern Johnston

Simmons - Prod. Control - not complete asset.

Sarahen - large computers 700, 7000, also small sci. calc

H. Wood - 300 aeris RANAC

P. Berel - punch card line acc.

B. Northern - printing, data trans.

Pastoriza - bookbinding, char. sensing, term. equip.

Carl Gemrath - 1 yr + 5 yr. prog. books.

W. English: Video Information Transmission, Processing.

Television recording on tape.

- required very broad bandwidth. 1500" per sec. speed.

- serial information. (85 miles of tape for 1 hour show.)

change at rate 4.25 Mc.

30 frames/sec. 525 scanning lines/frame. ~ 300,000 bits equiv. information per frame.

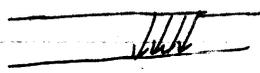
Amplex - has recently made a tape drive which will work. 15" per sec.

revolving head. (2" tape 4800' long.)



2" 14400 rpm

4 read write heads sweep across at 1500" per sec.



4 tracks for one rev. .015" apart.



audio (erased 0.100" strip on edge)
control strip.

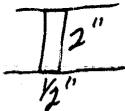
- tapes are good for only 100 passes, & heads 100 hrs.

RCA here used for color TV. (up to 200 passes - may go as high as 500 passes)

Character sensing 200 bits per character required.

(100 bits for numeric only)

1 square inch tape for a frame



possibility of 2-D VFL scanning

Data Transmission:

Multiplexing of signals - 2 shows up to 4 at once

Character recog. - competitors.

- use computers.

- closed circuit TV
- micro film
- video recording. Miniland
- magnetic cards (Magnavox)
- color TV
- mag. ~~copy~~ tape facsimile.