

TELEFACSIMILE MACHINES

(194)

1984 April 26

What is currently needed is the ability to encode and decode actual character sets in use in documents being transmitted, with a particular 'type ~~set~~ object' [say 10 pt Bodoni bold 'a'] being encoded completely for transmission one only per document, and reproduced on receipts as many times as appropriate. A matrix of, say, 1000 'type objects' should accommodate most reproduced texts, built up or re-produced anew with each document. Obviously parts of the matrix can be 'rolled over' to new type objects in place of low use ~~at~~ older type objects.

"DIGITAL" PIANO

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It would be possible to equip a normal piano keys & pedals with microswitches, pressure recorders, etc and record a virtuoso performance in digital (or analog) form. ~~The~~ With power-activated keys, a performance could be reproduced identically at any time.

BLACK-ON-WHITE DISPLAY

1984 March 26

Current vid. work by activating a glowing phosphor on the screen; black-on-white is achieved by activating all the screen except the characters or graphics. Background must be refreshed at at least 90 Hz to avoid flicker (otherwise, 30 or 60 Hz).

- It should be possible to have a standard white background (unit) which has black characters painted on it by the electron beam. This may or may not use phosphors.