ASCII Graphics on Multics

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A number of individuals have expressed interest in what
the graphics of the ASCII set should "look like" when
they are displayed or printed by Multics systems. Since
the ASCII standard specifies nothing about the appearance
of the graphics, this memo collects together a number
of ideas and suggestions that have been made for use on
Multics.

Distinguishability: It is essential that all characters
be easily distinguishable from all other characters, preferably
under adverse conditions. Potential confusion can result
between:

(1) numeral one, (1) lower case L, (/) vertical bar,
(1) lower case I, and (!) exclamation point
(5) numeral five and (S) upper case s.
(”) overline, and ( _) underline on successive lines
(0) numeral zero and (O) upper case o.

Font designs: No font design for the alphabetic letters
has been chosen for Multics, but the IBM "Courier 72"
font styles have been suggested as very readable models
from which to begin.

Special Characters

1. Underline: Should be below tail of descenders.
   Should connect in successive print positions

2. Acute accent: Should overstrike as in é and ô and appear
   well in "don't"

3. Vertical line: Should be centered.
   Should connect on successive lines.

4. Left slant: Mirror image of slant.
   Should cross slant at center when overstruck
5. Overline: Should be distinctly above all letters, e.g., T
   Should connect in successive print positions

6. Circumflex: Should overstrike as in Ø

7. Comma: Should overstrike as in ç (cedilla)

8. Double quotes: Should also overstrike ô (diaeresis)

9. Grave accent: Symmetric to acute accent
   Should overstrike as in à and è

10. Asterisk: Should have five points, not six, to avoid cluttered appearance.

Good samples of the alphabetic and numeric characters appear on IBM typeballs 015 and 033; many of the special characters appear on ball 963.

It is not expected that all of these design objectives can be met by any single device (except, maybe, a high-quality CRT display), but they do represent benchmarks and something to measure "up to".