

| | | | | |
|------|----|-----|----|--|
| 0573 | 0D | LDN | RD | ;Get a row of the sample |
| 74 | F1 | OR | | ;"OR" it with top of stack (packs two |
| 75 | 5C | STR | RC | ;sample rows into one byte. Store in RC) |
| 76 | 1C | INC | RC | ;RC+1 - next storage position |
| 77 | 8D | GLO | RD | ;Add 8 |
| 78 | FC | ADI | | ;To RD for |
| 79 | 08 | | | ;Another row |
| 7A | AD | PLO | RD | ;Of sample character. |
| 7B | 2F | DEC | RF | ;Decrement loop count (-1) |
| 7C | 8F | GLO | RF | ;Get RF.0 to |
| 7D | 3A | BNZ | | ;Test if done. Loop until RF=00 |
| 7E | 69 | | | ;Branch to 0569 |
| 7F | 12 | INC | R2 | ;Reset Stack Pointer - prepare to return |
| 0580 | D4 | SEP | R4 | ;Return to CHIP-8 control |

DISPLAY CHARACTER SET - KEY C (D)

| | | | | |
|------|----|-----|----|--|
| 0581 | E2 | SEX | R2 | ;X=R2 (stack pointer) |
| 82 | 22 | DEC | R2 | ;Point to free location |
| 83 | F8 | LDI | | ;Load address of |
| 84 | 06 | | | ;Character set into |
| 85 | BC | PHI | RC | ;RC |
| 86 | F8 | LDI | | ; " " |
| 87 | 00 | | | ; " " |
| 88 | AC | PLO | RC | ; " " (RC=0600 - base address) |
| 89 | AD | PLO | RD | ;RD=Display page cursor |
| 8A | 9B | GHI | RB | ; " " " " |
| 8B | BD | PHI | RD | ; " " " " (RD=0Y00) |
| 8C | 93 | GHI | R3 | ;R3 is program counter. Load high address |
| 8D | BE | PHI | RE | ;Of minor subroutines used by <u>this</u> subroutine |
| | | | | ;With RE as program counter. |
| 8E | F8 | LDI | | ;Load loop...part one begins....left character |
| 8F | 04 | | | ;Count of four |
| 0590 | AF | PLO | RF | ;Into RF.0 |
| 91 | 0C | LDN | RC | ;Get bit pattern in memory |
| 92 | FA | ANI | | ;"AND" it with FO |
| 93 | F0 | | | ;For MSB's |
| 94 | 5D | STR | RD | ;Store @ Display page cursor |
| 95 | F8 | LDI | | ;Load address of |
| 96 | E9 | | | ;Next Line Subroutine |
| 97 | AE | PLO | RE | ;Put it in RE.0 |
| 98 | DE | SEP | RE | ;And call the subroutine |
| 99 | 4C | LDA | RC | ;Get the same bit pattern (packed) |
| 9A | FE | SHL | | ;Shift Left for LSB's |
| 9B | FE | SHL | | ;(for next row) |
| 9C | FE | SHL | | ;To appear <u>under</u> |
| 9D | FE | SHL | | ;The previous row |
| 9E | 5D | STR | RD | ;Store @ cursor |
| 9F | DE | SEP | RE | ;Call Next-line Subroutine |
| 05A0 | 2F | DEC | RF | ;Decrement loop counter (-01) |
| A1 | 8F | GLO | RF | ;Get low RF to test if done |
| A2 | 3A | BNZ | | ;Loop to 0591 |
| A3 | 91 | | | ;RF=00 |