ERASE CHARACTER SET - SELECTED KEY IS C (E A)

```
0547  F8  LDI         ;Load RD (Utility
 48   07              ;Register) with
 49   BD  PHI   RD    ;Last address of
 4A   F8  LDI         ;Character Set
 4B   FF              ;    "       "
 4C   AD  PLO   RD    ;    "       "
 4D   ED  SEX   RD    ;X=RD
 4E   F8  LDI         ;Load D with
 4F   00              ;00 - for erasing
0550  73  STXD        ;Store via X (RD) and decrement
 51   9D  GHI   RD    ;Get high byte of RD
 52   FB  XRI         ;Exclusive OR it with
 53   05              ;05 to test if done
 54   3A  BNZ         ;Branch if RD ≠ 05 (page above first
                      ;character set )
 55   4E              ;Branch to 054E - loop until done
 56   D4  SEP   R4    ;Return to CHIP-8 program
```

DEPOSIT SAMPLE CHARACTER IN MEMORY

```
0557  E2  SEX   R2    ;X=R2 (Stack pointer)
 58   22  DEC   R2    ;Point to free location
 59   F8  LDI         ;Load Utility Register RF
 5A   04              ;With loop count of 04
 5B   AF  PLO   RF    ;And also put in RD (RD.1)
 5C   BD  PHI   RD    ;Which will point to the storage
 5D   F8  LDI         ;Area holding ASCII reference
 5E   E6              ;Bit pattern address
 5F   AD  PLO   RD    ; "     "       "    - RD=04E6
0560  4D  LDA   RD    ;Get first part of address and advance pointer
 61   BC  PHI   RC    ;Store in RC.1
 62   0D  LDN   RD    ;Get second half of address
 63   AC  PLO   RC    ;Store in RC.0 (RC is indexed
                      ;to correct address)
 64   9B  GHI   RB    ;Display page
 65   BD  PHI   RD    ;Store in RD.1 (High order sample
                      ;character address)
 66   F8  LDI         ;Load Low order Sample
 67   93              ;Character address
 68   AD  PLO   RD    ;Into RD.0  (RD.0=0Y93)
 69   0D  LDN   RD    ;Get a row of the sample
 6A   FE  SHL         ;Shift left (for packing)
 6B   FE  SHL         ;  "     "    "      "
 6C   FE  SHL         ;  "     "    "      "
 6D   FE  SHL         ;  "     "    "      "
 6E   52  STR   R2    ;Push stack
 6F   8D  GLO   RD    ;Get RD.0 and
0570  FC  ADI         ;Add 08 for next
 71   08              ;row
 72   AD  PLO   RD    ;Put adjusted value back in RD.0
```