is there to assemble your programs. Such versatility will be appreciated by both the beginner and the experienced programmer. CHIP-8 Assembler-3 will not become obsolete as your experience grows.

Whatever your tastes in software, I hope you enjoy using CHIP-8 Assembler-3 and will use it hard and often. As always, I wish you the very best of luck with your programming!

REGISTER ASSIGNMENT

- RO DMA Pointer
- R1 Interrupt Program Counter @ 0217
- R2 Stack Pointer @ 00FF
- R3 Program Counter
- R4 Dedicated Pointer To Call Routine
- R5 Dedicated Pointer To Return Routine
- R6 Display Cursor otherwise available
- R7 Pointer To Return & Arguments
- R8 R8.0=Tone R8.1=Timer (In Interrupt)
 R9 Address Counter (Pass 1) / Object Listing Pointer (Pass 2)
- RA Pointer to Source Listing / Loop Count In Address Entry Sub
- RB RB.1=Display Address
- RC PC for Keyboard Scan Routine @ 8195 Dedicated
- RD Symbol Table Pointer / Available for second pass loops, etc.
- RE Utility
- RF Utility

LOCATIONS OF CHIP-8 ASSEMBLER-3 ROUTINES

MAIN PROGRAM

- Initialization / 0024 is First Pass Controller, 007B 0000-03FF is second Pass Controller
- 0400-09FF "Assembly" Storage of CHIP-8 Program
- OAOO-OBFF Symbol Table. Up to 73 symbols allowed / 7 bytes per entry
- OCOO-OEFF CHIP-8 Program - Final Form. Up to 3 pages of program.