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0010 ; SYM DOS UTILITY USER NOTE #1
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0030 ; BY RONALD A. JORDAN
0040 ; NOVEMBER 19, 1984
0050 ;
0060 ;
0070 ; ENCLOSED IS YOUR LONG AWAITED FIRST UTILITY DISK.
0080 ; ALL PROGRAMS FUNCTION AS DESCRIBED, HOWEVER THEY
0090 ; HAVE NOT BEEN EXTENSIVELY TESTED AND MINOR PROBLEMS
0100 ; ARE POSSIBLE. I HAVE NOT HAD ANY PROBLEMS WITH
0110 ; THE PROGRAMS. IF YOU FIND A PROBLEM DROP ME A NOTE
0120 ; SO I CAN MAKE THE NECESSARY CHANGES.
0130 ;
0140 ; I AM CONTINUING TO WORK ON THE BASIC DOS ENHANCEMENTS.
0150 ; THE OPEN AND CLOSE COMMANDS STILL HAVE A FEW BUGS, WHICH
0160 ; I HOPE TO HAVE WORKED OUT BY CHRISTMAS. WHEN THIS GREATLY
0170 ; ENHANCED BASIC DOS INTERFACE IS COMPLETED, IT WILL BE OFFERED ON
0180 ; DISK FOR THE SAME AMOUNT AS THE UTILITY DISK ($15). ANY ADDITIONAL
0190 ; PROGRAMS AVAILABLE AT THAT TIME WILL ALSO BE INCLUDED.
0200 ;
0210 ; ADDR.RAE
0220 ;-----
0230 ; THIS PROGRAM EXAMINES THE PROGRAM LOAD ADDRESS.
0240 ; LOAD THE PROGRAM ADDR:200.OBJ AT :200 AND USE THE
0250 ; MONITOR COMMAND .G 200 TO START. BE SURE TO FIRST
0260 ; NOTE THE NAMES OF THE PROGRAMS OF INTEREST.
0270 ; CTL D TO REENTER PROGRAM NAME
0280 ; CTL X TO EXIT TO MONITOR
0290 ;
0300 ;
0310 ; TRKSECTOR.RAE
0320 ;-----
0330 ; THIS PROGRAM WILL READ AND WRITE ANY SECTOR ON THE DISK.
0340 ; LOAD THE PROGRAM TRKSEC:200.OBJ AT :200 AND START AS ABOVE.
0350 ; THE SECTOR OF INTEREST IS READ INTO MEMORY AT :1000. A SECTOR
0360 ; ON THE 1541 IS 256 BYTES. USE THE MONITOR .V AND .M COMMANDS
0370 ; TO EXAMINE AND MAKE CHANGES. THE TRACK AND SECTOR MUST BE
0380 ; ENTERED AS A DECIMAL NUMBER (IE 12 HEX = 18 DEC, ETC). THEY
0390 ; MAYBE ONE OR TWO DIGIT NUMBERS (IE 01 = 1).
0400 ;
0410 ;
0420 ; READDOS.RAE
0430 ;-----
0440 ; THIS PROGRAM READS THE 1541 DOS ROM'S INTO MEMORY. NO PROMPTS
0450 ; ARE PROVIDED. THE PROGRAM TAKES SEVERAL MINUTES TO DOWN LOAD
0460 ; THE ROLS TO RAM STARTING AT :1000 FOR 16K. THE PROGRAM CAN
0470 ; BE EXITED BY THE BREAK KEY.
0480 ;
0490 ;
0500 ; BACKUP.RAE
0510 ;-----
0520 ; THIS PROGRAM WILL MAKE A BACKUP OF 1541 DISK. THIS PROGRAM
0530 ; WORKS LIKE THE C-64 BASIC PROGRAM CALLED 1541 BACKUP, EXCEPT
0540 ; THIS PROGRAM IS ALL M-L AND RUNS FASTER. THE PROGRAM
0550 ; BACKUP:200.OBJ MUST BE LOADED AT :200 AND RUN AS ABOVE. BE
0560 ; SURE TO HAVE A BLANK FORMATTED DISK FOR YOUR DESTINATION
0570 ; DISK. THE PROGRAM USES A RAM BUFFER FROM :1000-$6FFF. THE LARGER
0580 ; THE BUFFER THE FEWER TIMES THE DISKS MUST BE SWITCHED. THERE
0590 ; ARE TWO METHODS OF BACK UP: 1. THE BAM OPTION AND 2. THE DIRECT
0600 ; OPTION. THE BAM METHOD LOOKS AT ONLY THE SPACE USED BY PROGRAMS
0610 ; ON THE DISK (BLOCK ALLOCATION MAP). THIS METHOD IS MUCH FASTER
0620 ; AND RECOMMENDED UNLESS THE DISK IS FULL. THE DIRECT METHOD
0630 ; COPIES THE ENTIRE DISK AND IS MUCH SLOWER AND REQUIRES SWITCHING
0640 ; THE DISKS SEVERAL TIMES.
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