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*****
'*          CURVE LOADING PROGRAM          *
'*  This routine will load a curve. Get here by entering "CURVE" above. *
'*  NOTE: SPACING OF THE DATA STRING IS VERY CRITICAL.                *
'*      For this example the string data must be on a single line      *
'*      of an ASCII file using the same format as the attached sample.*
*****
LOAD:  CURVE$ = SPACE$(2000)                'Preset variable lengths
      DELAY = 2000                          'Delay timer
      PRINT
      PRINT "DOWN LOAD A CURVE"
      PRINT
      INPUT "ENTER DRIVE AND FILE NAME: "; FILE$      'Get file name from KB

      OPEN FILE$ FOR INPUT AS #2              'Open ASCII disk file
      LINE INPUT #2, CURVE$                  'Read disk file into string
      CLOSE #2                              'Close disk file
      PRINT      'Get curve number from KB
      INPUT "ENTER DESTINATION CURVE NUMBER (11 to 31): "; CURNUM$

      IF MID$(CURVE$, 1, 1) = "X" THEN      'Test for DRC curve format
          CURVE$ = MID$(CURVE$, 5)          'Strip off DRC file header
          CURVE$ = "CURV" + CURNUM$ + CURVE$ 'Add 300 series file header
      ELSE
          CURVE$ = "CURV" + CURNUM$ + "," + CURVE$ 'Add file header
      END IF

      PRINT
      PRINT "COMMANDS SENT TO 320"          'Screen prints to show what is sent
      PRINT

      CMD$ = LEFT$(CURVE$, 53)              'Pick out header and first two points
      PRINT CMD$                            'Send first command string to screen
      CMD$ = CMD$ + TERM$                   'Add terminators
      PRINT #1, CMD$                        'Send curve create cmd to 321/320/330
          FOR Z = 1 TO DELAY: NEXT Z        'Delay

      CHRCOUNT = 54                         'Character count for next curve point
      POINTCOUNT = 3                      'Curve data point counter

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