

CLUB CALENDAR

FEBRUARY 11 - FRIDAY - TRS80 USERS GROUP MEETING
APPLE USERS GROUP MEETING

TIME: 8 PM
PLACE: SOUTHWESTERN PUBLIC SERVICE BUILDING
4201 FRANKFORD AVENUE

FEBRUARY 12 - SATURDAY - TI 99/4 USERS GROUP MEETING

TIME: 1 PM
PLACE: LUBBOCK CHRISTIAN COLLEGE
ADMIN BLDG - ROOM 206

FEBRUARY 18 - FRIDAY - LUBBOCK COMPUTER CLUB MEETING

TIME: 8 PM BUILDING WILL BE OPEN AT 7:30 FOR SETUP
PLACE: SOUTHWESTERN PUBLIC SERVICE BUILDING
4201 FRANKFORD

TOPICS: DEMONSTRATION OF THE NEW TI 99/2 COMPUTER
SOFTWARE EVALUATIONS FOR APPLE AND TRS80
BRIEF PRESENTATION BY LOCAL MERCHANT
DISCUSSION OF SPRING COMPUTER FAIR

WE WILL SCHEDULE USER GROUP MEETINGS THE SECOND FRI/SAT
AND THE GENERAL MEETING THE THIRD FRIDAY EACH MONTH.

HIGH RESOLUTION PRINT ROUTINES

The programs described here can be used to print high resolution pictures on the TI Impact Printer or the Epson MX-80 with GRAFTRAX. These routines are specifically designed to reproduce a hardcopy printout of a TI 99/4A high resolution screen.

This version is designed to used extended BASIC. It may be merged into a program or you may chain to this routine in a standalone program. This version is slow as the decoding and printing take quite a bit of time from BASIC but this version may be used with a minimal cassette system with the routine included in your graphics program.

This version is designed to do the decoding one time and store the print codes in a file on disk for later recall. The advantages of this second version are that 1) you can later print as many copies of the print file as you like and 2) the decoding only needs to be done one time. A separate printing program is used with this second routine. The printing program may be modified to print a various locations on a page and you may have this program double or triple strike for very dark and clear renditions of the graphics.

There are two ways to jump into this routine. You may include the routine as part of the graphic generating program as a subroutine or subprogram or you may chain to a separate program with this code. This is especially when the graphics program requires a large amount of memory.

Several of the techniques used here can be studied as a programming exercise. The BASIC version is slow especially during the decoding process. These routines should provide some insight as to how you may make use of graphics on the TI 99/4 and the TI Impact printer. Some of the printer routines may be modified for use with other computers as well.

The routines may be further modified to allow high resolution printed graphics which may fill a sheet of paper. On the TI computer, this is usually done by defining the characters for each line of a high resolution picture and storing the printer codes to a file for later recall.

The chaining technique can further be used to store multiple graphic screen to disk files as you may store the screens in series. This may take a couple of hours using the BASIC decoding algorithm but it can be done unattended by the computer once you have the chaining properly setup. Once the decoded screens are stored, they may be recalled to print as needed.

LISTING 1 - this version does not print but rather stores a decoded screen to a disk file for later printing by the recall program.

LISTING 2 - this is the print file program for listing 1.

Next month we will list a print as you go version of this program for use with minimal tape based systems.

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100 REM RECALL28
110 CALL CLEAR :: PRINT "READING & PRINTING SCREEN  DEFINITION FILE": : : : :
:
120 DIM A$(16):: DIM B$(8):: DIM P$(28)
130 FILE$="DSK1.MX80-1"
140 OPEN #9:"RS232.BA=9600.DA=8.CR",OUTPUT
150 OPEN #6:FILE$,INPUT,VARIABLE 228,INTERNAL
160 IF EOF(6)THEN 220
170 INPUT #6:Z1$
180 PRINT #9:CHR$(27);"K";CHR$(224);CHR$(0);Z1$
190 PRINT #9:CHR$(13)
200 PRINT #9:CHR$(27);"K";CHR$(224);CHR$(0);Z1$
210 PRINT #9:CHR$(27);"A";CHR$(8);CHR$(10):: GOTO 160
220 PRINT #9:RPT$(CHR$(10),9):: CLOSE #9 :: CLOSE #6

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29990 FILE$="DSK1.MX80-1"
29995 CALL P(FILE$)
30000 SUB P(FILE$)
30010 :: CLDRE :: DIM A$(16):: DIM B$(8):: DIM P$(32):: Z1$="00000001001000110100
01010110011110001001101010111001101110111"
30015 FOR I=1 TO 16 :: A$(I)=SEG$(Z1$(I-1)*4+1,4):: NEXT I :: H$="0123456789ABC
DEF"
30020 OPEN #6:FILE$,OUTPUT,VARIABLE 228,INTERNAL
30040 FOR O=1 TO 24 :: Z1$="" :: FOR U=1 TO 30 :: P$(U)="" :: CALL CHARP(O,U)
30050 IF C<33 THEN P$(U)=RPT$(CHR$(O),3):: GOTO 30090
30065 CALL CHARPAT(C,D$):: IF D$=RPT$("0",16) THEN P$(U)=RPT$(CHR$(O),8):: GOTO 3
0090
30070 FOR I=1 TO 16 STEP 2 :: J=INT((I+1)/2):: B$(J)=A$(POS(H$,SEG$(D$,1,1),1))
$(POS(H$,SEG$(D$,1+1,1),1)):: NEXT I
30080 FOR I=1 TO 8 :: AS=0 :: FOR J=1 TO 8 :: AS=AS+VAL(SEG$(B$(J),I,1))*2^(8-J)
:: NEXT J :: P$(U)=P$(U)&CHR$(AS):: NEXT I
30090 Z1$=Z1$&P$(U):: NEXT U :: PRINT #6:Z1$ :: NEXT O :: CLOSE #6
30120 SUBEND

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LUBBOCK COMPUTER CLUB
CHARTER AND BYLAWS

ARTICLE I - NAME

THE NAME OF THIS ORGANIZATION IS THE LUBBOCK COMPUTER CLUB.

ARTICLE II - OBJECTIVES

THE OBJECTIVE OF THIS ORGANIZATION INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

A) PROVIDE FOR INFORMATION EXCHANGE AMONG MEMBERS ABOUT THE DESIGN, USES OR APPLICATIONS, AND THE FUTURE OF COMPUTERS ESPECIALLY THE MICROCOMPUTER AS IT APPLIES TO HOME AND BUSINESS.

B) PROVIDE FOR TANGIBLE BENEFITS TO MEMBERS BY PROVIDING AND PROMOTING 1. THE SHARING OF INFORMATION ABOUT THE NATURE AND USES OF COMPUTERS 2. SHARING USE OF HARDWARE AND SOFTWARE 3. SHARING INFORMATION ABOUT VENDORS 4. AND SIMILAR RELATED BENEFITS.

C) ACQUIRING AND DISSEMINATING INFORMATION ABOUT COMPUTERS TO MEMBERS OF THE CLUB AND INTERESTED INDIVIDUALS AND OTHER COMPUTER CLUBS.

ARTICLE III - MEMBERSHIP

SECTION 1. ALL PERSONS WITH INTERESTS IN COMPUTERS AND COMPUTING, REGARDLESS OF RACE, COLOR, SEX, CREED, OR SOCIAL AFFILIATION, ARE ELIGIBLE FOR MEMBERSHIP IN THE CLUB.

SECTION 2. SUBSEQUENT TO ATTENDING A MEETING OF THE CLUB, PROSPECTIVE CLUB MEMBER MAY APPLY TO AN OFFICER OF THE CLUB FOR MEMBERSHIP. EACH APPLICANT MAY BE ASKED TO COMPLETE AN INTEREST PROFILE SHEET AND MAY THEN BE RECOMMENDED FOR MEMBERSHIP BY ANY CURRENT MEMBER. A VOTE BY THE MAJORITY OF THE CLUB MEMBERS PRESENT AT THE MEETING WILL ADMIT EACH APPLICANT TO MEMBERSHIP SUBJECT TO PAYMENT OF THE CURRENT DUES.

SECTION 3. DUES WILL BE REQUIRED OF MEMBERS TO ENSURE FUNDS FOR ACTIVITIES AND PROJECTS OF THE CLUB. CHARTER MEMBERSHIP DUES ARE \$15.00 FOR THE YEAR 1979 AND ARE DUE BEFORE FEB. 1, 1979. PAYMENT OF DUES WILL THEN BE \$20.00/YEAR FOR NEW MEMBERS AND \$15.00 FOR RENEWAL BY CURRENT MEMBERS. AN ACCOUNT WILL BE ESTABLISHED FOR CLUB FUNDS AND ALL MONEY RECEIVED AND SPENT WILL BE ACCURATELY LOGGED, AND OPEN TO MEMBERS' INSPECTION OF THAT LOG. DUES PAID BY PRINCIPLE COVER THE MEMBERSHIP FOR ALL IMMEDIATE FAMILY MEMBERS.

ARTICLE IV - EXECUTIVE COMMITTEE

SECTION 1. THE EXECUTIVE COMMITTEE WILL CONSIST OF ALL CLUB OFFICERS AND WILL AUTHORIZE AND COORDINATE ALL CLUB BUSINESS.

SECTION 2. THE PRESIDENT SHALL, WITH AUTHORIZATION OF THE MAJORITY OF THE EXECUTIVE COMMITTEE, CARRY OUT ROUTINE, LOGISTIC, AND FINANCIAL BUSINESS OF THE CLUB.

SECTION 3. MEETINGS OF THE EXECUTIVE COMMITTEE SHALL BE CALLED BY THE PRESIDENT, OR IN HIS ABSENCE, ANY TWO OTHER MEMBERS OF THE COMMITTEE. TWO MEMBERS CONSTITUTE A QUORUM FOR COMMITTEE BUSINESS. THE HIGHEST OFFICER PRESENT SHALL PRESIDE.

ARTICLE V - CHANGES OR SUSPENSION OF RULES OR BYLAWS

SECTION 1. RULES MAY BE SUSPENDED BY VOTE OF A MAJORITY OF MEMBERS PRESENT AT A REGULAR OR SPECIAL MEETING OF THE CLUB OR COMMITTEE. THE SUSPENSION OF RULES SHALL BE IN EFFECT NO LONGER THAN THE END OF THE MEETING DURING WHICH THEY ARE SUSPENDED.

SECTION 2. CHANGES TO BYLAWS AND POLICIES OF THE CLUB SHALL BE REPRESENTED TO THE MEMBERSHIP BY THE EXECUTIVE COMMITTEE ON BEHALF OF ANY MEMBER DESIRING CHANGE. THE CHANGE WILL BE EFFECTIVE UPON PASSAGE BY TWO-THIRDS VOTE OF THE MEMBERS PRESENT DURING THE MEETING AT WHICH THE CHANGES ARE PRESENTED. NOTIFICATION OF CHANGES IN BYLAWS WILL BE SENT TO ALL MEMBERS IMMEDIATELY FOLLOWING PASSAGE AND PRIOR TO THE NEXT MEETING.

ARTICLE VI - DUTIES OF OFFICERS

SECTION 1. THE PRESIDENT SHALL PRESIDE AT ALL MEETINGS OF THE ORGANIZATION. CALL MEETINGS OF THE EXECUTIVE COMMITTEE, SHALL APPOINT SPECIAL COMMITTEE CHAIRMAN AND MEMBERS, AND SHALL BE A VOTING MEMBER OF EACH COMMITTEE OF THE CLUB.

SECTION 2. IN THE ABSENCE OF THE PRESIDENT, THE VICE PRESIDENT SHALL PERFORM THE DUTIES OF THE PRESIDENT.

SECTION 3. THE VICE PRESIDENT SHALL PERFORM DUTIES AS DESIGNATED BY THE EXECUTIVE COMMITTEE AND WILL ACT AS CHAIRMAN OF THE MEMBERSHIP COMMITTEE, ENSURE RECOMMENDATION AND PRESENTATION OF APPLICANTS FOR APPROVAL AT CLUB MEETINGS, MAINTAIN A ROLL OF ACTIVE MEMBERS, AND NOTIFY CLUB MEMBERS OF REGULAR AND SPECIAL MEETINGS.

SECTION 4. THE SECRETARY SHALL KEEP RECORDS OF ALL CLUB MEETINGS, BOTH REGULAR AND SPECIAL AND FOR COMMITTEE MEETINGS. THE SECRETARY HAS THE DUTY OF FINANCIAL RECORDS AND SHALL MAINTAIN A LOG OF DUES AND EXPENSES. THE SECRETARY WILL ISSUE REPORTS OF ALL MEETINGS WHICH HAVE OCCURRED AT THE REGULAR MEETING FOLLOWING THEIR OCCURANCE. THE SECRETARY IS A NON-VOTING, EX OFFICIO MEMBER OF ALL STANDING AND SPECIAL MEETINGS OF THE CLUB AND ITS COMMITTEES. IN THE ABSENCE OF THE SECRETARY, THE RECORDING DUTIES WILL BE PERFORMED BY ANOTHER OFFICER OR THE CHAIRMAN OF THE COMMITTEE IN CHARGE OF THE PARTICULAR ACTIVITY AND WILL SEE THAT THE SECRETARY RECEIVES A SUMMARY OF WHAT TOOK PLACE.

ARTICLE VII - OFFICERS AND ELECTIONS

SECTION 1. THE OFFICERS OF THE CLUB ARE (A) PRESIDENT (B) VICE PRESIDENT AND (C) SECRETARY.

SECTION 2. NOMINATIONS OF OFFICERS WILL BE RECEIVED BY CURRENT OFFICERS AND WILL BE PRESENTED TO THE ENTIRE MEMBERSHIP DURING THE JANUARY CLUB MEETING. ANY CLUB MEMBER MAY NOMINATE A CANDIDATE FOR OFFICE AND ANY CLUB MEMBER MAY HOLD OFFICE. ALL NOMINATIONS MUST BE RECEIVED NO LATER THAN ONE WEEK BEFORE THE JANUARY ELECTION MEETING.

SECTION 3. AN OFFICER MAY RESIGN BY TURNING IN WRITTEN STATEMENT TO THAT EFFECT. NOTIFICATION SHALL THEN BE MADE TO THE MEMBERSHIP AND NOMINATIONS ARE OPEN FOR THAT POST. ELECTION OF THE NEW OFFICER TO FILL THE POST SHALL BE MADE AT THE FIRST REGULAR MEETING AT LEAST A WEEK AFTER NOTIFICATION OF THE RESIGNATION.

SECTION 4. NORMAL ELECTION WILL BE HELD DURING THE DESIGNATED ELECTION MEETING IN JANUARY BY SECRET BALLOT SUBSEQUENT TO PRESENTATION OF NOMINEES BY THE MEMBERS OF THE EXECUTIVE COMMITTEE. CANDIDATES FOR OFFICE RECEIVING A PLURALITY OF VOTES OF MEMBERS PRESENT DURING THE ELECTION MEETING WILL TAKE OFFICE IMMEDIATELY SUBSEQUENT TO THE MEETING.

ARTICLE VIII - POLICIES

SECTION 1. ALL GROUPS, COMMITTEES, SPONSORED ORGANIZATIONS, DEPARTMENTS, AND ACTIVITIES OF THE CLUB SHALL BE GOVERNED BY THE POLICIES OF THE CLUB.

SECTION 2. THE NAMES OF THE CLUB AND ITS OFFICERS (WHEN IDENTIFIED WITH OR ASSOCIATED WITH THE CLUB) SHALL BE USED ONLY IN CONNECTION WITH THE REGULAR WORK OF THE CLUB.

SECTION 3. VISITORS ARE ALWAYS WELCOME BUT WILL BE RESTRICTED IN THEIR PARTICIPATION IN SUCH ACTIVITIES AS THE CLUB SOFTWARE LIBRARY, SOFTWARE EXCHANGES, OR ANY OTHER ACTIVITIES LIMITED TO PAID CLUB MEMBERS.

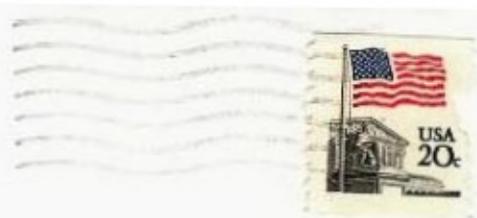
SECTION 4. A CLUB SOFTWARE LIBRARY WILL BE ESTABLISHED FOR THE MUTUAL BENEFIT OF THE CLUB MEMBERS. THE CONTENT OF THE LIBRARY WILL BE LIMITED TO WORK ORIGINATING WITH MEMBERS OF THE CLUB OR OBTAINED FROM ANOTHER CLUB WITH SIMILAR DISTRIBUTION POLICY AND ORIGINATING WITHIN THAT CLUB AND NOT RESTRICTED BY COPYRIGHT. WRITTEN PERMISSION MUST BE ON FILE BEFORE DISTRIBUTION OF COPYRIGHTED MATERIAL.

SECTION 5. ONLY CURRENT PAID MEMBERS SHALL BE ALLOWED TO VOTE ON OFFICERS, POLICY OR ACTIVITIES OF THE CLUB ALTHOUGH INPUT MAY BE SOLICITED FROM INTERESTED NON-MEMBERS.

SECTION 6. THE CLUB SOFTWARE LIBRARY WILL BE AVAILABLE ON AN EXCHANGE BASIS TO OTHER CLUBS WITH POLICY AS TO DISTRIBUTION AND ORIGINATION OF THE MATERIAL TO BE RECIPROCATED.

SECTION 7. THE CLUB MAY PUBLISH A NEWSLETTER, PROGRAM HARDCOPYS, AND VARIOUS INSTRUCTION SHEETS WHICH WILL BE AVAILABLE AS DETERMINED BY THE CLUB MEMBERSHIP AND ORIGINATING AUTHOR. WRITTEN PERMISSION WILL BE OBTAINED BEFORE DISTRIBUTION OF COPYRIGHTED MATERIAL.

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