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OUR NEXT MEETING will be on Thursday   THE MARCH Meeting will be

FEBRUARY 20, 1986 at 7:30 pm   MARCH 20, 1986 at 7:30 pm

PLACE: CAPITAL DISTRICT PSYCHIATRIC CENTER

New Scotland Ave. Next to Albany Medical Center

The program for the February meeting is as follows:
Bob Burgess will give a demonstration on Miniwriter III.
A Multiplan presentation of FORM1040 and SCHEDULE-A templates will be held.
Bring a blank diskette to obtain these templates.
Brett Kropf will be showing the GRAMKRACKER from Miller Graphics.

A NOTE to other Users Groups: The articles printed in the Upstate Newsletter
may be reprinted if proper credit is given to the author and to the Upstate New
York 99/4 Users Group.

ALBANY TEXAS INSTRUMENTS BULLETIN BOARD SERVICE (TIBBS)-out of service

UPSTATE 99/4A USERS GROUP
P.O. BOX 13522
ALBANY, N.Y. 12212

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================== LOWER CASE ====================

This program loads a machine language program into lower memory that loads
lower case character set for use by extended basic. Once loaded it can be
called by using CALL LINK("LOWCAS") in your extended basic program. Once load
it will remain in memory until you leave extented basic or your ext. basic
program writes over it if it requiers more stack space.

You can also merge this programe into other programes if you want, but it
will still remain in memory after they have run. I added it to some of my loa
progrmes and called it as i needed it.

```
100 CALL INIT :: CALL LOAD(8196,63,248):: CALL LOAD(16376,76,79,87,67,65,83,4
)
110 CALL LOAD(12088,00,00,00,112,8,56,72,116,00,64,64,120,68,68,68,120)
120 CALL LOAD(12104,00,00,00,56,68,28,68,56,00,4,4,60,68,68,68,60)
130 CALL LOAD(12120,00,00,00,56,68,124,64,60,00,24,36,32,112,32,32,32)
140 CALL LOAD(12136,00,00,4,56,68,56,4,124,00,64,64,120,68,68,68,68)
150 CALL LOAD(12152,00,16,00,48,16,16,16,56,00,8,00,24,8,8,72,48)
160 CALL LOAD(12168,00,64,64,72,80,112,72,68,00,48,16,16,16,16,56)
170 CALL LOAD(12184,00,00,00,120,84,84,84,84,00,00,00,88,36,36,36,36)
180 CALL LOAD(12200,00,00,00,56,68,68,68,56,00,00,00,120,68,128,64,64)
190 CALL LOAD(12216,00,00,00,56,68,84,72,52,00,00,00,88,100,28,28,28)
200 CALL LOAD(12232,00,00,00,60,28,56,4,120,00,16,56,16,16,16,20,8)
210 CALL LOAD(12248,00,00,00,72,72,72,72,36,00,00,00,68,68,40,40,16)
220 CALL LOAD(12264,00,00,00,68,84,84,84,36,00,00,00,68,40,16,40,68)
230 CALL LOAD(12280,00,00,00,68,36,24,16,96,00,00,00,124,8,16,32,124)
240 CALL LOAD(12296,2,0,6,8,2,1,47,56,2,2,0,208,4,32,32,36,4,91)
```

======== Remote Auxiliary Keyboards for the TI99/4A ===============

        This is a short note on the ability of the TI99/4A to accept a remote
keyboard (RKB). The procedure is relatively simple but does require some manu
dexterity.   There are three options available: the first is a direct connecti
providing 2 active keyboards and no easy means of removal of the RKB; the
second procedure requires more work and materials but provides a port for the
RKB to be attached, this allows for easy removal and other possible upgrades(
see last paragraph); and the third procedure requires less work than #2 but
defeats the operation of the console keyboard (CKB) (only the RKB works).
        WARNING: If you feel the least bit uncomfortable with a soldering iron
then try to find someone to assist you in this project. Be advised only
procedure #3 will not invalidate any warranties that might apply to the TI
console.
        The CKB is attached to the CPU Board by a 15 pin in-line connector.
Procedures #1 #2 involve putting a 15 conductor cable in parallel with the
CKB. Ribbon Cable is preferred (Radio Shack 278-772 $3.59 for 5 ft. or 278-7
$16.95 25 ft both 25 conductor cable). Procedure #3 requires removal of the
CKB connector and attaching a prepared connector for the RKB. The Keyboard t
be used is a direct replacement for the TI99/4A (albeit the beige rather than
the Black Silver) it is available from Herbach Rademan Co. 401 E. Erie Ave.
Phila., PA (for $4.50 each Part No. TM 23K230). All procedures will require
opening up the main console(7 Phillips Screws on the bottom of the console).
Be sure the power to the console is disconnected first. Examine how the on/of
switch goes together. At the top of the CKB is a series of 15 solder
pads attached to the short 15 pin ribbon connector going to the CPU board. F
procedure #3 just remove this ribbon connector and replace with the previousl

prepared one. For procedures #1 #2 you must solder 15 wires to the 15 solder
pads on the CKB. ALWAYS CONSERVE THE NUMBERING SEQUENCE OF THE WIRES.
     For procedure #1 the identical wires are soldered to the RKB and the CKB
(pin 1 to wire 1 to pin 1, etc.).For procedure #2 several mating connectors
are placed in this 15 wire cable. I used a 16 pin DIP socket at the console
side and the same at the RKB side. CONSERVE THE WIRE/PIN NUMBERING SYSTEM.
This will require about 18 inches of 15 conductor ribbon cable and (2) 16 pin
DIP sockets. The two sockets are attached to each other by a 16 conductor
jumper cable.Jumper cable is RS 276-1982 $3.99 for 18 inches, the headers if a
longer extension is required are RS 276-1980 $1.69, use the wire wrap 16 pin
sockets and clip off excess leg. I keyed the sockets by filling pin #16 and cut
the 16th leg on the ends of the jumper cable. A 15 pin D connector can also be
used if heavy use of this port is expected (Similar to RS 276-1527 $2.49 and
mate to same).
     Procedure #1 #3 will require a small slot (1/8" x 1") be filed into the
lower console case to allow the exit of the ribbon cable. Procedure #2 will
require a hole cut into the lower console case to accomodate the DIP socket or
D connector. I used the right side near the front for this cut out. All solder
connections and connectors were potted in Hot Glue for electrical and
mechanical security.
     I have one RKB with a 10 ft. cable that works well. THe only advisory note
I have is the Alpha Lock (A/L) key depressed on either KB in procedures #1 #2
will give capital letters on both KBs. I usually leave the A/L key up. The
Major advantage of this system is the console may be located out of harm's way
and the RKB located where it is required.
     Estimated parts cost and labor time are:
          Procedure #1 about $10.00 for 18 inch extension 2 Hours
          Procedure #2 about $20.00 for 5 ft. Extension 3 Hours
          Procedure #3 about $10.00 for 5 ft Extension 1.5 Hours
     The RKB can be prettied up by grinding off the metal tabs (before
commencing the project) and using duct tape on the bottom and sides of the RkB
(afer completion). The RKB can also be mounted in a box with Hot Glue if
desired.
     Future Potentials- Since procedure #2 allows access to the KB scan Lines
the possibility of a Numeric keypad, a Multi-position Joystick or even a more
complex and useful Keyboard.
     If you have any questions or need help with these procedures please
contact me by writing to Allan Silversteen, 513 Toll Road, Oreland, PA 19075.

PRESIDENTS COMPUTER CORNER

Update on Auto-Spell Check V 1.1

Owners of Version 1.0 may acquire Version 1.1 by sending
Diskette A along with $3.00 to:

        Dragonslayer ASC
        2606 Ponderosa Dr.
        Omaha , Nebraska 68123

Using TI-WRITER with no windows

In order to use TI-Writer without "windowing", one must do
the following:

        (1) Load the editor.
        (2) Use the T(ab) command to set left margin to 1 and
            the right margin to 39.
        (3) Use FCTN 0 to remove the line numbers.
        You are now ready to type without windows

        After saving your document, one can over-ride
the margins by using the FORMATTER commands as follows:
        (1) Create the following file under the editor:
            -   .RM 10;LM 80 c/r
            -   .FL 65 c/r
        (2) Save this file ,eg(DSK1.MARGINS)
        (3) Add the following line to your document:
            - .IF DSK1.MARGINS C/R (include file).
        (4) USE THE FORMATTER to print your document.

Note on TIBBS

        Albany TIBBS is no longer in operation. This corner
extends a sincere thanks to Dick Ferrigan for the excellent
services he has provided to local TI community.

        In a future newsletter, we will publish a list of local
bulletin board services available to TI users.

Remainder

        The next meeting will be on February 20,1986 at CDFC at
7:30 p.m. Bring along a diskette if you wish to acquire
Multiplan templates for FORM1040 and SCHEDULE-A along with
the lastest version of Multiplan.

FOR SALE : Multiplan (new) - $35.00. PE Box with 32k disk
$325 (includes software). SS/SD Disk Drive with power
supply - $95. See Art at meeting or call 370-5215.

                                        Arthur F. Fayeur