

INTERNATIONAL TI-LINES

Volume 3, Issue 4

September 1st., 1986

A PUBLICATION OF THE INTERNATIONAL TI USER GROUP



Formerly OXON TI USERS

A PUBLICATION
OF THE
INTERNATIONAL
TI USER GROUP

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THE NATIONAL TI USERS WORKSHOP IS TO BE HELD ON SATURDAY, OCTOBER 4TH
9.30 AM TO 7 PM.

IF YOU HAVEN'T ALREADY PAID, IT WILL BE £2 PER PERSON ON THE DOOR

INTERNATIONAL TI-LINES: A PUBLICATION OF THE INTERNATIONAL TI USER GROUP



C99 REL2 is NOW AVAILABLE

On TWO DISKS from
Stephen Shaw

10 Alstone Road, STOCKPORT, Cheshire, SK4 5AH
(Usual Disk Library cost)

This latest release of c99 from Clint Pulley is now fully compatible with FUNLWRITER, and memory image files generated from source code compiled by this release WILL run from FUNLWRITER.

C Functions included:

CONV;C String <-> int conversion functions
FCOPY;C Simple file copy program
RANDOM;C Random number generators
SOUNDS;C Simple beep and honk fcns
BIT... Bitmap graphics functions and documentation
FLOAT... Floating point functions and documentation
SPEECH... Speech function and documentation
STRINGFNS Library of string manipulation functions.

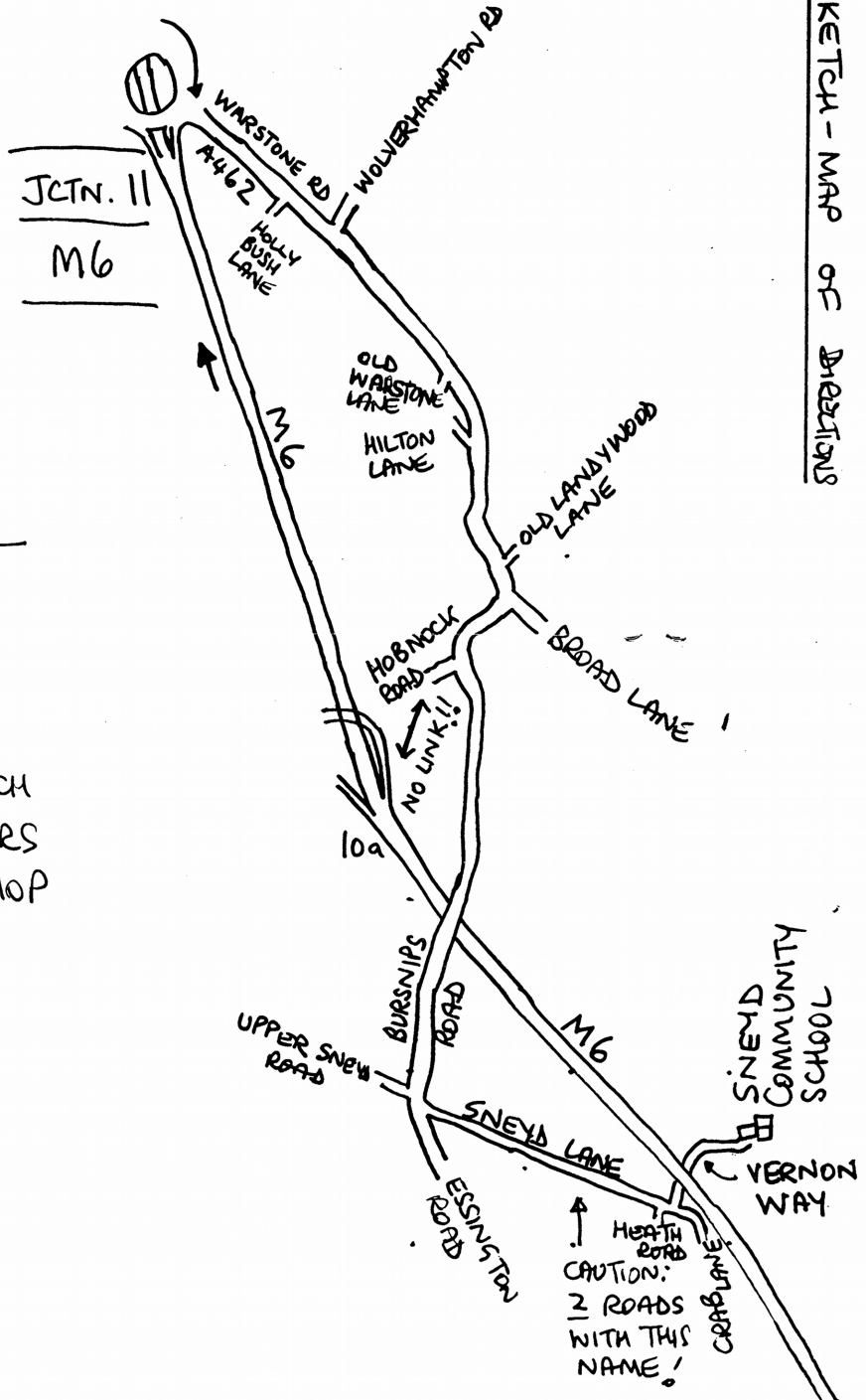
AND MANY OTHERS.

C99REL2A includes version 2.0 of the c99 compiler, console and file I/O libraries and functions, the RUNOFF text formatter, and documentation.

This release includes the standard formatted output functions in object form. printf, fprintf and sprintf perform as in standard C and support c, d, o, s, u and x conversions. A REF directive (cf manual) must be included for each function used. At load time, PRINTF must be loaded if any of these functions are used. If sprintf is used, SPRINTF must be loaded too. If fprintf is used, both FPRINTF and CFIO must be loaded. If you know of anyone who has received an earlier version of c99, please feel free to provide them with this version. CAUTION : Object files produced by earlier versions of the c99 compiler are not compatible with c99 v2.0. You should re-compile and re-assemble all functions and libraries to ensure compatibility and to take advantage of the shorter, faster code generated

SKETCH - MAP OF DIRECTIONS

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BY CAR

BLOXWICH
TI USERS
WORKSHOP

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L E T T E R S

26.8.86.

Dear Peter,

Thanks for the Demo disc recently received.

There are a couple of boobs in the chess program (DE0004). (Now then, don't all rush to look at it). The programmer has defined the symbols for King and Queen the wrong way round. The conventional symbols used in chess diagrams all over the world have the King with a flat topped (or slightly domed) crown with a little cross on top, whereas the Queen has a spiky crown. In the program these are the other way round.

I have amended the program to correct these errors. It was not easy, as the program is quite complicated. My first thought of finding the character numbers for the symbols (4 for each) and swapping them round didn't work and had all sorts of funny effects. The only way to do it is to exchange the program lines defining the characters for the Kings and Queens. The following pairs of lines have to be exchanged:-

```
White pieces: 1470 <---> 1670
               1490 <---> 1690
               1510 <---> 1710
               1530 <---> 1730
```

```
Black pieces: 2810 <---> 3010
               2830 <---> 3030
               2850 <---> 3050
               2870 <---> 3070
```

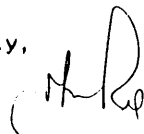
The easiest way to do this is to load the program in ExBas and then use the REDO facility to change the numbers round. Then save it under a different name in case you've made a mistake and want to get back to the original. Reset and select TI Basic and then run. You should now find the pieces correctly depicted.

This is a program that cries out for conversion to ExBas so that sprites can be used for the pieces along with the other advantages from using ExBas. Unfortunately, the starting position requires 32 sprites and ExBas will only give you 28. There are some ways round this but it does mean some departure from the simplicity which the use of sprites would otherwise give you.

Another idea I have in mind when I have time to get around to it, is to use Minimem with 32 sprites and putting the moves of a game into records of a data file to be stored in the Minimem's 4K RAM. Many games could be used by this method, saving to or loading from tape using the Easy Bug. This is a more portable arrangement which I could take to the club to use for demonstrations.

Yours sincerely,

John Roe.



 T H E T I H O M E S O F T W A R E C O L L E C T I O N

Pricing for TSC disks has been reorganised, although the full Collection is still offered at £35 inclusive.

Check the TSC Catalogue (available free to ITUG subscribers on request) to find out what the TSC entries stand for. Make sure that you indicate clearly what your choice is, specifying the name of the disk/s you want.

GAMES:	TSC ENTRIES:	PRICING:
TSC_DSK_A	GA0001 - GA0011	The number of programs on a disk can vary between about 7 and 11, dependent upon the sizes of the programs in terms of sectors used.
TSC_DSK_B	GA0012 - GA0022	
TSC_DSK_C	GA0023 - GA0032	
TSC_DSK_D	GA0033 - GA0043	
TSC_DSK_E	GA0044 - GA0055	
TSC_DSK_F	GA0056 - GA0066	
~~~~~		The exception is the DEMONSTRATION disk, which alone is offered at £2.95 inclusive of post and packing
EDUCATIONAL:		
TSC_DSK_G	ED0001 - ED0009	The rest are priced as follows:
TSC_DSK_H	ED0010 - ED0017	
~~~~~		£ 3.95 for ANY 1 DISK
DEMONSTRATION:		£ 6.90 for ANY 2 DISKS (SAVE £ 1)
~~~~~		£ 9.85 for ANY 3 DISKS (SAVE £ 2)
TSC_DSK_I	DE0001 - DE0006	£12.80 for ANY 4 DISKS (SAVE £ 3)
~~~~~		£14.75 for ANY 5 DISKS (SAVE £ 5)
MUSIC:		£16.70 for ANY 6 DISKS (SAVE £ 7)
~~~~~		£18.65 for ANY 7 DISKS (SAVE £ 9)
TSC_DSK_J	MU0001 - MU0009	£20.60 for ANY 8 DISKS (SAVE £11)
TSC_DSK_K	MU0010 - MU0017	£22.55 for ANY 9 DISKS (SAVE £13)
TSC_DSK_L	MU0018 - MU0026	£24.50 for ANY 10 DISKS (SAVE £15)
~~~~~		£26.45 for ANY 11 DISKS (SAVE £17)
UTILITIES:		£28.40 for ANY 12 DISKS (SAVE £19)
~~~~~		£30.35 for ANY 13 DISKS (SAVE £21)
TSC_DSK_M	UT0001 - UT0011	£32.30 for ANY 14 DISKS (SAVE £23)
TSC_DSK_N	UT0012 - UT0022	£34.25 for ANY 15 DISKS (SAVE £25)
TSC_DSK_O	UT0023 - UT0033	£35.00 ENTIRE (SAVE £27.20)
TSC_DSK_P	UT0034 - UT0044	
~~~~~		

All programs are recorded on Single-sided disks.

You may elect to be supplied with software on Double-sided disks, when you should deduct £1 from the prices shown above.

If you prefer, you may send in your own disks, in which case deduct 50p for each disk from the prices shown above.

For example, 8 disks supplied by you would work out at £20.60 - (8 x 50p = £4) = £16.60 nett.

All the above prices are inclusive of post and packing.

The pricing for programs recorded on cassette remains £1 per program, with an overall charge of 65p for post and packing.

PLEASE MAKE ALL CHEQUES PAYABLE TO "PETER BROOKS"