

## October's Newsletter

The Winnipeg 99/4 Users Group is a non-profit organization created for users by users of Texas Instruments 99/4A Home Computers and compatibles. The content of this publication doesn't necessarily represent the view of this user group.

Next General Meeting - Date : T.B.A. / Contact Faul Time : T.B.A. | Degner for more Place: T.B.A. | information.

Executive 1986:

Jim Bainard

Paul Degner

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## EDITORIAL COMMENTE:

Mike Swiridenko has resigned his duties as the newsletter editor. He says his university work and part time job make it ispossible to create a newsletter each month. I have agreed to take over as newsletter editor. MIBCELLANIA:

Miscellaneous news and resinders.

One of our members, Bordon Richards, has sold his whole TI system. I'm sorry to hear of his departure from the TI world and I wish him all the best. The public domain library is in need of a home. Those people wishing to expand their software library should get in touch with me. I feel many of you are losing interest because of the lack of software for your computer and I hope to keep you with your computer. MICROpendium, a monthly publication for the TI-99/4A computer, can be had through a subscription. Bend 028.55 (U.S. funde) for 12 issues to MICROpendium, P.C. Box 1343, Round Rock, TX 70628.

PROBRAM OF THE MONTH:

HOW TO PRINT DOUBLE COLUMN TEXT by Ton Freeman

Have you ever wished you could print text using compressed print, thereby getting more on a page, but found reading 132 136 columns across too hard" Newspapers use saveral columns - why not us? What follows is a method of creating double med text, right and left justified. Equipment required is TI-Writer and XBasic. The underscore and overstrike bilities of the TI-Writer can be used, as well as any special codes that your printer uses. (See below for special ruct tions for the later.) columned First of all, of course, create your text' If you want to see how many lines there will be in the end, you can use the appropriate marging in the Editor, but this isn't necessary. Next add the following line, before the first line:

.LH BIRM SAFFILADIIN +SIPL 200

In PIRM SoffjiADJIN +SPL 289
Be sure to end the line with a carriage return (Word Wrap Hode). The right margin can be whatever you want, but you houd be sure to leave enough room for the margins of your final printout (i.m. two lines, left margin, right margin, and pace between should should be less than or equal to the maximum column capacity of your printer in condensed mode). Note that the width of the printed line will be one greater than the RH since the LH is 8. PL is a "page length" and should be the twill be one greater than the RH since the LH is 8. PL is a "page length" and should be not the saximum number of lines that will be put out. Indenting, of course, is optional. Printer, but give the name of disk file. I usually add a "1" to the name of the original file. When the Formatter is finished, go back to the Editor and disk file. I usually add a "1" to the name of the she with set intil LF or spreatenting the first three Blank lines the formatter us on each page. Unless you particularly want them, delete them with FCTN 3, lf you don't, the tops of the first two blank lines the first two won't line up. Now save you file until you find the end your text. It will be followed by a whole string of first line to be deleted, comma, cented, whole string of is right margins are lined up. Now save this file, using the Pf function, not BF. You say use the same filename if you you will need to go to XBasic and run the following program. Be should be

Mish, since the one you modified is no longer necessary, but to be safe you should probably use third neae. Now you will need to go to XBaic and Fun the following program. If CALL CLEAR :: DIM As(200),C(200) :: CR+CHRs(13) :: LF+CHRs(10) :: FF+CHRs(12) :: T+CHRs(9) :: LT+CR+CHRs(7) :: CR+CHRs(7) :: ACCEPT AT(10,4) BIZE(12) BEEP:F\* :: DPEN 120 DFEN 42:P4\*.CR" 120 DFEN 42:P4\*.CR" 120 DFEN 42:P4\*.CR" 120 DFEN 42:P4\*.CR" 120 DFEN 47(12,1) FRAGE ALL: "IN THE NEXT 3 INPUTS, BE SURETHAT TWO TIMES WIDTH LEFT MARGIN + SPACE BETWEEN DOES NOT EXCEED YOUR PRINTER'S CAPACITY' PER 145 DISPLAY AT(13,1) FRAGE ALL: "IN THE NEXT 3 INPUTS, BE SURETHAT TWO TIMES WIDTH LEFT MARGIN + SPACE BETWEEN DOES NOT 120 DFEN 42:P4\*.CR" 120 DFEN 42:P4\*.T(13,1) FRAGE ALL: "IN THE NEXT 3 INPUTS, BE SURETHAT TWO TIMES WIDTH LEFT MARGIN + SPACE BETWEEN DOES NOT EXCEED YOUR PRINTER'S CAPACITY' PER 145 DISPLAY AT(13,1) FRAGE ALL: "IN THE NEXT 3 INPUTS, BE SURETHAT TWO TIMES WIDTH LEFT MARGIN + SPACE BETWEEN DOES NOT 120 M A "NT AT(13,1) STE(-2) BEEPILEFT I: ACCEPT AT(16,1) STE(-2) BEEPIBETW I: ACCEPT AT(15,18) STE(-2) BEEPIWITH 1: ACCEPT AT(16,1) STE(-2) BEEPIWIT 1: ACCEPT AT(15,10) STE(-2) BEEPIWITH 1: ACCEPT AT(16,10) STE(-2) BEEPIWITH 1: ACCEPT AT(15,10) STE(-2) BEEPIWITH 1: ACCEPT 104 L+T+STE(CR) STE(CR) STE(CONDENSED PRINT AND TABE 130 A "NT AT(13,1) STE(-2) BEPICA (CC): STOP ELSE X V X1=0 NEXT 1: LINPUT 1: ACCOSE 0: I: COBE 0: I: STOP ELSE X V X1=0 NEXT 1: LINPUT 1: ACCOSE 0: I: BODD 260 270 FF VC CL THEN X1=2 270 FF VC CL THEN X1=1 270 FF VC CL THEN X1=0 270 FF VC CL THEN X1=1

A brief explanation of the program, life sets up an array to hold print jines in semory while the program figures out what to do with them, and sets up variate bles of your choosing and thereby mostly press enter such the program figures out with defaults. You can change the set to ones of your choosing and thereby mostly press enter such the you use the program. 178 sends the code for condensed print to ness of your choosing and thereby mostly press enter such the you use the program. 178 sends the code for condensed print to ness of your choosing and thereby mostly press enter such the you use the program. 178 sends the code for condensed print to ness of your choosing and thereby mostly press enter such the you use the program. 178 sends the code for condensed print to ness of your choosing and thereby mostly press enter such the you use the program. 178 sends the code for condensed print to ness of your choosing and thereby mostly press enter such the you use the program figures the code is different. Now comes the mother of the print inter annual, in case whether there is a line feed coming and if or elimit is no line feed then C(X) keeps track of which press to the computer is the computer is no line feed then C(X) keeps track of which press to accept 200 holds the place for the top of the 2nd column, and 218 serve the your the place sould interest on the screen. 228 holds the place for this page, and 248 makes sure the columns are both full (if not, 268 performs a recount). The sub-routine at 366 actually does all the printing.



Linnipes Texas Instruments users' Group Herber and Tota I's thinking of 计前面 机内侧 网络 about Routing

## A T1 RETROSPECT by Paul Degner

H is HEINUSTED by Paul Degner
This month we are reverting back to our old ways and are cohabitating in members' basements for general meetings. He applogize for the long delay since our last meeting; it was hard to decide on a data which was convient for most people. For this past month seems to been extremely busy for our little computer. Hike Heuser of the TI99er Morkshop Rheinland in Nest Berneny got in contact with us. It was quite a suprise hard by for our TI friends on the other side of the ocean. They are quite an active group with fifty members dedicating themalives in hardware and software development.
Hondwilly should be importing some nest dropped of a sit. The nest the faire is going to be twice as big as types of a program of the faire is all the son which we will be all the son of the faire is going to be twice a big as bought a Horizon RAHdisk. It seems we will have a law of the son. We restore or first were not to solve and the son are solve of a program of a fair is a starting to an active group with first, and the nest the faire is going to be twice as big as long to be a for version of RDS about to come in that will knock your sock of a program off of a Minnesota BPS that is called Archiver i. I (freeware) be the son of that called Archiver i. I (freeware) be the son of Archiver can be had off of the specified.

The CHARA! and the PEEKS AND POKES articles I promised you will have to wait a while because I didn't have the time to format them for TI Writer. Here instead is a review on the CorComp 512K Card by Terry Atkinson. It was downloaded off of TimeLine.

CorComp Si2k Randisk: A first-impression report. by Terry Atkinson. 17 Jul B6.

Having received the randisk this past Monday. I have not yet had the opportunity for a comprehensive test of the randisk....hence...this is merely a first-impression report. A more comprehensive report will follow in due course. The version number on the bottom of the unit is 668630. Bear this in mind as it may be important to others at a later data test of the

Decise 512 Resoluti A fraction properties by Terry Atlandom. 17 201 Be. Hering reserved the factor that provide the Unit of Sector Sector File and the properturity for the perturbative test of the resolution of the factor of the Unit of Sector Sector File and the properturity for the perturbative test of the class and the factor of the Unit of Sector Sector Sector File and the properturity for the perturbative test of the class and the factor of the Unit of Sector Sector Sector File and the properturity for the perturbative test of the factor class and the factor of the factor of the Unit of Sector Sector File and the properturity for the perturbative test of the factor class and the factor of the Perturbative test of the factor of the factor

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Hawing received the new Eprom from CorComp, installed it (easily done), I have now had the opportunity to sit down and run the CC-512K Memory+ through it's paces again. (The new eprom edition is: "D"). The only difference that can be BEEN with the new Eprom is the resident manager (still archaic). It now has one additional option, that is, it allows one to "configure" the RD from the menu, rather than from PP or XB. The programs listed have been tested under two conditions. First, as the RD configured as it's and the applicable DIBK Copied to RD. Secondly, the RD was set-up as DBK3, and the applicable program disf in the KLAL DBK1. Where applicable, DIBK-NAMES have been changed (1.E. TITOTOLY).

Loaders tested	RD CONFIG.	NDTES
T1970POLY V1.4	D5K1	Real drive #1 accessed vice RD Btarts to load, but XB program bombs out with an error in a non-existant line #, and/or file
	DBKT	error. Still had problem: Had to disconnect RD in
TI 487157 11	D6×1	order to get it to run. Had problems copying in DISY copy mode, but all files copied properly when copied as files in the multiple file mode, Real drive 01 accessed vice RD.
FUNNELWRITER V3.3	DSK3	No problem.
	D513	<ul> <li>Loads to selection menu, then cannot access the files (EDITOR, ASSEMBLER, Etc): (See also NOTES)</li> </ul>
DM1888 43,3	D5F1	No problem, REAL drive I accessed vice RD, Loads D.K. using TIWRITER loader (from RD)
Frolly CATLIE	D883 D881	Loads D.K. using the Duick-Loader program. No problems. Using E/A loader. This program works aleost 198 percent for file accesses. However, it will not
FAST-TERM V1.6	P5K1 or 3	make a catalog of the RD. Works 188%
25 Converter Hultiplan	DSF1 of 3 DSF1 of 3	Norks 100% Norks 100%, With the old Eprom, it would not
INFOCOM BAMES Corcome 9900 mor	DSK1 or 3	access the Help files. No problem now. 1987. What a joy not to wait for disk accesses.
Corcomp 9922 mgr	DSK1 or 3	<ul> <li>Will not work. Seez, I would have thought that they would have made their own mgr compatible'.</li> </ul>
XB-DETECTIVE Track-copiers	DSK1 or 3	(Agéin, thank goodness for DN1身(夜)。 No problems. Nome of the track-copiers I have will work。The
WYEDVE FORTH	DEF1 or 3	"real" DSK1 is always accessed. Loads in 4 seconds, Screen loads are very fast.
TI FORTH (EA)	DSK1 or 3	Loads in 8 seconds.
TI FDRTH (XB)	D5K1 or 3	<ul> <li>Leads in 10 seconds but first accesses the real DSK1, after which it proceeds to the RD to load</li> </ul>
Companion	DSK1 DSK3	the remainder. No. No.
GRAFHX	DBK1 or 3	Yes, and loads "SCREENS" (pics) very rabidly.
MAX-RLE	DSK1 pr 3	Yes, See note 4.
EZ-LOADER	DSK1	No.
	DSF3	Yes,

FE: 'OR S: Disk-name DNLY (normally, this is also the disk-bit-map), SE: OR I: Directory information (normal). SF: 'DP 2: Disk-bit-map.(normally the file directory for an individual program). RE-'DR 3: The first file header (file directory) is stored hers. SP: 'DR 4: through 29481 Used as per normal. The Following are the dumpsi 

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 DUMP OF DIBK BE'T:F

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exencts\*\*\* this is the disk bit-map. It alrows a total of 2048 sectors to be flagged. 128(words) x 16(bits) = 2048(sectors) <--these sectors are still free. 

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tted the RD using DM1#89 in 252D format, and copied 69 files to the RD, and produced another dump as above. Using this method produces a normal disk-map. (Al) 144% sectors are used). I then reformatt It can be seen that u \_\_\_\_\_

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FINAL CONCLUSION: With the asjority of bugs now "squashed", I think the CorCoep 512K Memory Plus has proven itself a worthwhile investment. At the same time, if CorComp ever gets their act together and produces nome BDDD doumentation. I think a buyer of this hardware would experience less pain in trying to determine what will/will not work with the system. CorComp could also have explained the disk-layout of the RD to start with, ...it would have saved as one trouble. All be corcomp NUST get rid of the resident disk-manager, and replace it with either their own diskmanager (that comes with their controller) or with DNISED or another slellar manager which has the versatility of DNISED. Incidentally, Teny calls it the Memory Minus. If there are any further questions, you say contact me at my address: Terry Atkinson, 28 Bevona Ct, Dartmouth, NB, 224ARI, Caneda ori BTC>TI6458; CIB>75370,1277; TimeLine>TERRY.Al47E; Delphi>HURON

B2M4RI, Canada ori BTC>TI6459: CIB>75376,1277; TiseLine>TERRY.A147E; Delphi>HURON Hyarc's new Beneve computer and CorComp's Powerhouse X-I# home controlier will be among the products demonstrated at the Chicago-Area I1-99/4A Users' Broup's fourth annual I1-99/4A Computer Faire Nov. 1 at Triton College in River Brove, Illinois. Vendors who have acquired booth space at this years' Faire include Asgard Bottware, Rockville, Maryland; C and B Drives, Northbrook, Illinois: Competition Computer, Hilwauke, Misconsini Data Systems, Dxnard, California; Databionics, Breenfield, Misconsini DataBioTics, Diamond Bar, Celifornia: Breat Lakes Software, Howell, Michigan; Horizon Computer Ltd., Wallbridge, Ohios Hunter Electronics, Elmurst, Illinois; L.L. Conner Ent., Lafayette, Indiana; Micro Format, Prospect Heights, Illinois; Tigercub Software, Whitehall, Ohio! and Ryte Data, Haliburton, Ontario. The faire will be held from 9 a.e. to 6 p.m. in the Ironwood Room of Triton's Btudsnt Center. Triton is at 2298 N. Sth Ave. in River Brove, I/4 sile north of Maymood Park race track. Addission is 82 and includes addission to Beeinars. For more information write to the Chicago-Area Users' Group, Attni Fair Committee, P.D. Box 578341, Chicago, IL. 68657, or call Grant Schaalgemeisr at (312) 377-9872 from 4138 p.m. to 18 p.m. Central Time.

taken from Nay-June 86 issue of TINS.
if i Differs Town Role Control
if i Differs Town Role and the second se The following was taken from May-June 86 issue of TINS. 160 ' DIRECT SOUND CONTROL 110 ' DEMO PROBRAM 120 ' DEMO PROBRAM 120 ' BY TIM NacEachern 130 ' PO Box 1100 140 ' Dertmouth, NS 150 ' Canada B2Y 488 165 START VOICE ONE AS A TURN V2 OFF BUT PRESET The following is by Paul Charlton of Fast-Term fame. Here are two neat LOAD INTERRUPT routines. The first changes TEJC module to 1268 baud and second to change the printer name for the Tax Investment Record Keeping module. RE85 D85 32 ENTER L.M. QLOADHF L.M.1 RE65 E1 ( RF6 V.NL E1 L.M.1 F L.M.1 P L.M.1 P L.M.1 P L.7.713 LIM1 5 LI R, 2, 2) 34 P BD 31 LDCR CNTRL 8 LDCR BINYUL 8 LDCR RDR, 11 BDC 8 STRL 12 BBD 15 BTMP RS RTMP RTMP RTMP BYTE 283 BYTE 1660/64 E2 CNTRL NTVL NTVL IC DATA >1A1 ADRG \FFFC LOADWP DATA II -3 DATA IN ER END .

The first one must be assembled then loaded from the E/A module option 3. Then you remove the E/A module (don't turn the PER off, and you insert the TEJI module. Then you go to terminal mode and prees your load interrupt button. The second one must be assembled then loaded from the E/A module option 3. Then you remove the E/A module (don't turn the PER off) and you insert the TeXI investment Record Keeping module. Then you go to the command "PRINTER (Y/N)", answer yes, type R8232 (or "TP"), hit enter, and press your load interrupt button.

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In particular, the characterization of specific criteria requires considerable systems analysis and trade-off studies to arrive at the sophisticated hardware. As a resultant implication, initialization of critical  $^{\dagger}$ subsystem development requires considerable systems analysis and trade-off studies to arrive at the greater flight-worthiness concept. Thus, a large ` portion of effective information maximizes the probability of project success and minimizes the cost and time required for the anticipated fifth generation equipment. Thus, the incorporation of additional mission constraints adds overriding performance constraints to the total system rational. On the other hand, the characterization of specific criteria maximizes the probability of project success and minimizes the cost and time required for the sophisticated hardware; As a resultant implication, the characterization of specific criteria presents extremely interesting challenges to the greater flight-worthiness concept. Based on integral subsystem considerations, a large portion of effective information adds explicit performance limits to the total evetem rational.

For example, a large portion of effective information requires considerable systems analysis and trade-off studies to arrive at the greater flight-worthiness concept. Similarly, initialization of critical subsystem development must utilize and be functionally interwoven with the evolution of specifications over a given time period. However, the fully integrated test program necessitates that urgent consideration be applied to the subsystem compatibility testing environment. Similarly, the product configuration baseline effects a significant implementation to the sophisticated hardware. However, any associated supporting element is further compounded, when taking into account the greater flight-worthiness concept. With respect to specific goals, the product configuration baseline adds overriding performance constraints to the sophisticated hardware. In particular, a primary interrelationship between system and/or subsystem technologies presents extremely interesting challenges to any discrete configuration mode.

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