

THE GUILFORD 99'ER NEWSLETTER

VOL.6 NO.1

JANUARY 1989

The Guilford 99'er Users' Group Newsletter is free to dues paying members (one copy per family, please). Dues are \$12.00 per family, per year. Send check to 3202 Canterbury Dr., Greensboro, NC 27408. The Software Library'is for dues paying members only. (George von Seth, Editor)

OUR NEXT MEETING

DATE: January 6, 1989, TIME: 7:30 PM FLACE: Glenwood Recreation Center 2010 S. Chapman Street.

The program will be given by Mac Jones. He will give a demonstration and disussion of the popular "WHEEL OF FORTUNE" game. Be sure to bring a blank disc with you to make a copy if you desire.

DECEMBER MINUTES

The December meeting of the Guilford 99er Users' Group was held on the 6th of December at the Glenwood Recreation Center in Greensboro, N.C. There were O memoers present.

The meeting was called to order at 8:00 P.M. by President Scott Hughes. OLD BUSINESS:

1. There was no old business discussed.

NEW BUSINESS:

- 1. There was quite a bit of discussion as to what members wanted to do about the future of the club. It was suggested that we could continue meeting without dues and newsletter or keep our present dues amount of \$12.00 per year per member and continue the newsletter. Most of those present expressed the desire to continue as a club with dues and a newsletter. The newsletter Editor, nowever, voiced his intentions of cutting the letter down to 6 pages instead of the 10 we are now using. The question was posed as to why the 10 page format was chosen in the first place. The answer to that was that it was the maximum weight that could pass the first class postage rate. The savings in printing the 6 page letter versus the 10 page however, will amount to quite a savings in printing costs over a year. This will offset the decline in membership dues.
 - 2. The slate of officers for the coming year has been chosen from the floor and are as follows:

PRESIDENT: Scott Hughes- Burlington, N.C. Tel. (919) 227-2688

VICE PRESIDENT: Emmett Hughes- Eurlington, N.C. Tel. (919) 584-5103

SECT./TREASURE: L.F."Mac" Jones- Greensboro N.C. Tel. (919) 288-4280

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NEWSLETTER ED.: George van Seth- Greensbard, N.C. Tel: (919) 292-2035 LIBRARIAN: Herman Geschwind-Greensboro, N.C. Tel: (919) 288-0015 These officers will assume their duties at the January meeting.

3. Those attending paid their dues for the coming year 1989. They are as follows:

Bob Carmany, Emmet Hughes, Scott Hughes, George von Seth, and "Mac" Jones. Those that have already paid are: "Buddy" Cato and Tony Kleen. This makes a total of 7 members that want a club for 1989. Thanks to these members for wanting to keep the club active for another year. Hopefully, we will receive more dues before the end of January.

After the business meeting, all attending enjoyed a Christmas party and warm fellowship. The club wishes to thank Joanne Jones, Ginny von Seth, and Bob Carmany for the goodies which were enjoyed by all.

The meeting was adjurned at 10:15 P.M.

Respectfully submitted, By: L.F. "Mac" Jones, Sect./Treas.

RAMBLING BYTES

most of all, you showed what interest you have in the future of your club. It seems that only a few of us are wanting the club to continue and that was very evident at the lack of atternace.

fit to come around in January.

As you read in the minutes, there were officers picked from the floor and if that was the reason some of you stayed away. you can rest easy now....you won't have to serve on anything the newsletter and tell me so.

Bob and George have suggested we drop to a 5 page newslet

It fis of no value to a newsletter to copy other newsletters of we swap with as they already have read what is printed and/ are looking for something new. You could let us know if you have a certain game or program that is a good one. Give us a write-up on it and let others know and lit.

There is one thing that may not be clear to members. It is the cost of the newsletter. You do not have to pay to belong to the group..only to get the newsletter. Prehaps some of you did not know that. If you feel that you do not want to keep getting the newsletter, don't stop coming to meetings, you can keep the \$12. and still be a member. You just will not get a copy each month. I have also decided that since some newsle ters that we exchange with only send them certain months. we will follow suit. That will be a savings in printing and postage also. I feel it only fair that we send a letter for a letter. Those things can get a little one-sided otherwise. Don't get me wrong, I am not condeming these clubs, only explaining why they will not be getting a newsletter each month unless one is sent.

I was surprised that we had no Christmas music this sast meeting, as we have in the past had quite a few programmers submitting their products for our appriasal. It must be that time is passing so fast that most folks just don't have the time anymore to enjoy doing things. I find that even the I am retire, I still don't have time to do everything that I am wanting to do. Are the days just getting shorter or what? It seems like for come home from church and in a souple days, it's Sunsay again! Where does it go?!

It is still a few days before Christmas, but I wanted to go ahead and upload my material so Bob could get it as Christmas will be busy this year. My middle daughter and her husband will be driving in from Houston to be with us and I am sure they will bring my two grand-dogs with them! So you can bet there will be no time for writing with those dogs scooting everywhere. At least my oldest daughter gave me a grandson, but with him and the two dogs going, it's a mess!

I hope by the time this gets to your home that you have had a wonderful Christmas and a very happy new years eve. I also hope that 1989 will bring you all the good things you have always wished for. Let's start the new year off with a bang and all show up for the January meeting. Until them...enjoy the good Times.

BY: "Mac" Jones

WHEEL OF FORTUNE

I want to tell you about a real great game, one that I think you will enjoy with the family. This is the WHEEL OF FORTUNE game by Terry Staph. I am sure you will find right away that there is no Vana White, but you will soon be so engrossed in the game that you won't notice.

The came is FREEWARE and is very well written by Terry. I had tried several times to think of a way to do what he has

A lot of you members missed out on a good time when you passed up the Dec. meeting. There was much to eat and drink but

Gyer the past months I have heard all kinds of suggestion is to what we need to do to keep the club going, but I noticed that most of the ones who has most of the answers never seem to show up when they are really needed. Hopefully, they will see

If I am stepping on anyone's toes, then submit an article to

to save a little money on the printing costs and I agree.

done so well with the spinning wheel, but I never could figgure out how to do it. Terry even gives you a chance for a \$5000. chance after the second screen.

At the becinning, you are told the keys that you need to use for the five options of the game. Space Bar starts your wheel spinning. The "B" key allows you to buy a vowel providing you have enough money to do so. There is a "free spin" that you may stop on and if so, you may use it whenever you please by using the "F" key. If you are smart enough and think you can, you may solve the puzzle by pressing the "S" key. Also, if you are like me and have trouble remembering the letters that have been guessed, just press F/AID or 7 and the letters that have been used will show up while the keys are being held down. I find this very helpful.

Anothere thing you are asked at the start is how many players will be playing. Up to 3 can play at a time, or you might like to play by yourself, either way, it will ask the names of the players and will use those names when it shows the amount won and who's time it is to play.

There are several catagories which include song titles, places, persons, things, and savinos. Sh yes, I think I left out food, which can be some very hard guesses. You have to play for a long, long while before you may see the same choice appear in the same game. By then you will have forgotten it anyhow. After the third screen, whoever has the highest amount of money will be asked to play the bonus round. You are asked for 5 constanants and one vowel. The bonus round will be one of the above mentioned selections and if answered correctly, will give a fanfare of music and a voice will sav. "You win!". Of course you must have the speech plugged in for this and I would recommend that you do, as you also have other speech in the program.

If you wish to play again, you are given the option of pressing F/REDO or quitting the game. I guarentee you will not get by with just playing one time as it is habit forming! This will give you a chance to get away from the TV for awhile and get back to family togetherness for a change. I would rate this game a gold star as my family and I have had many enjoyable times playing it. If only the money were real!!!

I plan on demoing this game at the January meeting, so come on to the meet and get you a copy if you don't aiready have it. It will fit nicely on a SSSD including the loader. See you there and if you see Vana, bring her along!

By: "Mac" Jones

XB-HINTS

By: Bob Carmany

Over the past year there have been a number of programs that have appeared both in this column and others throughout the newsletter. Very few of them were written with the idea of saving bytes of memory and optimizing code. Usually, there isn't much incentive to maximize memory usage. After all, how many of you have ever gotten a "memory full" message with XB and 32K (or more) attached?

Besides simply conserving memory, compact code can have an added effect — the program will run quicker and more efficiently. That can be a definite advantage when you rate the performance of that "revolutionary" application that you just finishing writing.

Tony McGovern's fine set of XB tutorials explain how to conserve bytes of memory by replacing variables with constants, using subroutines to replace frequently used code, etc. There are, however, some more subtle methods for conserving memory that will actually speed up program execution.

One of the first things that I learned when I started programming in XB was to squeeze as many statements as I could eneach program line. This saves memory by eliminating line numbers and speeds execution by similarly eliminating the need for the program to process extra lines of code.

By looking at what XB does when you press (ENTER), we can easily see one way to conserve space and add a few more characters in each line. It doesn't matter if you have bothered to add a space between the last character in a statement and the statement seperator (ie. "::"). When you press (ENTER), XB automatically adds the space for you! So, when entering the code for multi-statement lines, there is no need to space between the statement and the double colon ("::") -- you can get more characters in each line that way.

Another way to fill up program lines to their full potential is to take advantage of KFCTN-B> (REDO) when you are typing in your lines of code. In one recent publication, there was a plaintive "letter to the editor" complaining that the program lines in the magazine were too long and wouldn't fit the same way that they were listed. Hogwash!!

Try this with a long bit of text --- or more simply, just do the following:

Volume & Mumber 1

Enter XB and type in "NUM 100".

When the line number appears, type in "DISPLAY AT(1,1):"

From this point, just hit the 'X' key until you get that obnexious "book" at the end of line 4.

Press (ENTER). You will get an error message. Then press (FCTN-8) and the line that you just typed in will re-appear. Use the cursor keys to go to the last 'X' and continue typing —— you now have another half line available!

That is one more subtle way to get the maximum use out of XB. It is just of of the things that TI "forgot" to tell us. It works every time!

Here are some "PEEKs" and "LDADs" that might be of interest to you.

CALL PEEK(8194,A,B,C,D)::(C-A)6+D-B

Free space in low memory after CALL INIT or CALL LOAD (DCKx.xxx*)

CALL PEEK (-31866, A.B) :: A6+B- 41023

Free program space in high memory.

CALL PEEK (-31936, A, B):: A6+B-2487

Exact amount of free stack space while the program is running.

CALL LOAD (~31873,x)

Start printing at column x (x=3 to 30)

CALL LOAD (-31877,x)

32= Sprite coincidence, 64= 5 Sprites on a row.

CALL LOAD (-32187.9)

O line number.

That about does it for this month's column. Next month we will look at some more XB hints and a couple of short XB programs. Til then . . .

COMMENTS

By Bob Carmany

It was almost 6 years ago that a group got together to form the 'Carolina 99/4A Users Group' at a TV repair/sales place at the corner of Battleground Ave and Cone Blvd. There were a couple dozen people present and they decided to print a newsletter several months later — that first one was only 3 pages long. Well, both the group name and the newsletter have changed immensely since that first one was sent out in the summer of 1983. The club is now the 'Guilford 99'ers' after having gone through a couple of intermediate names and the newsletter is one of the longest continuously published ones in the country. The fact is, there aren't very many Users Groups in the world that have been putting out a monthly newsletter for as long as we have been. And, believe it or not, we haven't missed a single one in all that time!

After almost 6 years, it is about time to make some changes. For the past year or so, we have been trying to get our postal money's worth by first going to condensed print and pushing the number of pages up to the weight limit that can be mailed with a single stamp. Well, we are still going to run the newsletter in condensed print (more material per page) but the length is going to vary more significantly. We are going to try to "localize" the content a bit more than we have in quite some time as well. Priority is going to be given to articles authored by members and material gleaned from the various BBS's and such will be used only as necessary. With this in mind, we would like to encourage each of our members to submit just one article per year! It can be about anything TI-related that you wish —— good results with a program (or one that really stinks!), programs (in any programming language), or experiences that you have had while working with your li are also welcome. It sure would make the Editor's job easier!

TI-WRITER TIPS

By: Bob Carmany

II-Writer, FUNLWEB, and the other TI-Writer clones are probably the most under-rated word processors around. In factayou really don't know what you have until you work with one of the high-priced word processors for "Brand X" computers. The problem is that TI-Writer (et. al.) are usually never used to their full potential. Most of the tips and tricks that trickle down to newsletters fall into two categories: 1) obvious but overlooked: or 2) obscure and easily overlooked.

With this in mind, let's look at some examples of each. One of the most powerful functions of Tl-Writer is the

(R)eplace(S)tring function. Most of the time, it is simply used to replace a mispelled word or phrase ---- which is a very obvious function. The fact that it can replace one string with another is really quite elementary. Let's take it a step further. If, for example, you were writing a rather long document about Greensboro (or some other city) or just a document with numerous occurences of a rather long string you can cut down on a bunch of keystrokes. In this case, we are going to use 6SO (airline designation) in place of Greensboro in the text of our document. By doing so, we save 7 keystrokes per occurrence. When we are done, we use (R)eplace(S)tring and enter '/GSO/Greensboro/' at the appropriate prompt. If you have more than a couple occurrences in your text, it is certainly much easier to press FETN-2 to reformat a couple of times than to have to type the entire word 50 times or so. Think about it ---- obvious but overlooked.

Here's a tip that is rather a bit more obscure but it saves typing just the same. Everyone should know that there are some symbols and characters that the 'ol TI just refuses to recognize in a filename. The period "." is one that is illegal to use and the space is another. The reason that the space cannot be used is that the TI scans a filename until it reads the delimiting character —either punctuation or a SPACE. So, when you are typing in a filename to load, you don't have to delete extra characters —— use use a space. The same is true for saving a file from TI-Writer. How many times have you deleted all those 'extra' characters when loading or saving a file to disk under a shorter second name? Not obvious but overlooked just the same.

HARD DRIVE CONTROLLER

By: Jim Kwiatkowski

The first week: Nothing but frustration. Not new for me. Let me tell you about my system. Expansion box with foundation 128K card, 512k HRD, Triple Tech card, Gram Kracker, 2 TEAC half height drives. Now a HFDC card with a Seagate 225-20 mag. No box for the seagate, powered by a borrowed power supply from an *** 63.5%, both sitting by themselves. Not the best config for a hard drive setup.

I had some problems the first couple of days. Didn't know how to configure the hard disk. I was using MDMS 1.27 that I downloaded from GENIE and reading the manual for 1.21. So there were some differences, the only problem that I had with that was it seemed to take too long. Just around 10 min. to format MDS interlace of 7 and what ever the other one is at 7 also. I think its interleaving. Maybe not. Whatever it is both at 7. Seemed to slow so I tried some others. Right now It's set at 4,3 and I don't seem to be having any problems.

So what kind of problems was I having. Well copying floppy to hard I was getting errors on the hard. Some of that may have been my fault when it would give me a write error I would press (C) to continue. (big mistake). The real frustration came when I tried to use the (EMULATION) feature of the HFDC. It emulates DSK1 (that's great). No it isn't, not if your only copy of MDMS loads from DSK1. Think about it. It wasn't pretty, I'm glad I was alone. Well I won't use Emulate for a while. I'm one of those guys that likes to try all the features of a piece of software to make sure they work. How did I fix it? Well it is probably unorthadox but this is what I did. Power everything up and then turn off the Hard Disk, loaded MDMS from DSK1 and then turned the hard disk back on. It probably shouldn't have worked but it did.

The second time I crashed MDM5 while it was formatting (big mistake). Took the better part of 2 hrs. to get the hard disk back up and running. I was really sweating by this time. I kept saying to myself (got to screw around don't vou.) How did I do it? Well the way I fixed it the first time I got MDM5 loaded but every time I tried to format the hard disk MDM5 would give me a not found error. So I ended up turning off the hard drive until I was all the way through the formatting sequence. Until you type in format and press enter, of course. It worked don't ask why.

Now that it is up and running, more problems!!!! Not with the hard disk. Now I have problems with the HRD and floopies. Real problems trashing disks. Maybe using DM1000 has something to do with it. Hate to throw out DM1000. MDM5 is kind of cumbersome, not like DM1000. Especially when formatting using box format. MDM5 is slow in formatting. It automatically verifies. (Rats) Hate to spend my life waiting for verification. I used MDM5 1.22 once. I broke it at 12000 sectors. (life is too short and nothing is that important.) Besides my backup system only has 1 sadd drive. Sure glad MDM5 1.27 arrived so soon. As far as operation the HFDC works great. Fast! Fast! Fast! Can't really tell the difference between it and the HRD. The HRD isn't as noisy.

All I need now is a Power supply. I've thought about buying the Ryte Data 99AT Expansion System. I'll have to look interesthat a little more. I move like a small sometimes and after I've made my mind up I want it here vesterday. But isn't that the American way.

XB PROGRAM LOADER

Here is one of the simplest and very best programs to create an on-disk menu for your XB programs. The beauty of this little "dem" is that you don't need a mountain of documentation to run it. Just load MAKELDADER and follow the on-screen prompts. The result is a neat 10-sector auto-load menu that will take care of loading your XB programs with a single keypress.

; 210 DEF IF\$(N)=CHR\$(132)&"K@ : 256 DISPLAY AT(12.1):" TITLE : 300 PRINT #2:LN\$(L+4)&CHR\$(1 110 REM * * ! "\$CHR\$(190) \$CHR\$(200) \$CHR\$(2 ! FOR MENU SCREEN": : : I AC ! 57) \$CHR\$(200) \$CHR\$(3) \$ "KEY" \$ 120 REM * PUOR MAN'S * !) &STR\$(N) &CHR\$(176) &CHR\$(169 ! CEPT AT(14.1) :MLTS\$: CHR\$(1B3)&CHR\$(200)&CHR\$(1)& 130 REM * PROGRAM LOADER * ΒY |))+5)&*DSK1."&A\$(I-64) RIABLE 163 : &"S@"&CHR\$(192)&CHR\$(0) 150 REM * RICE ROTHSTEIN * 1 220 FOR I=0 TO 20 1 260 PRINT #2:LN\$(1)&CHR\$(157 | 310 PRINT #2:LN\$(L+5)&CHR\$(1 160 REM * . | 230 J=J+1 :: INPUT #1:A\$(I). |)&CHR\$(200)&CHR\$(5)&CL\$&CHR\$ | 32)&"S8"&CHR\$(190)&CHR\$(200) i B.C.D :: IF I=0 THEN 240 ELS : (0) _-| &CHR\$(1)&"0"&CHR\$(176)&CHR\$(170 CALL CLEAR :: DISPLAY AT : E IF J)=127 DR LEN(A\$(1))=0 : 268 CDL=INT(((28-LEN(MLTS\$)) : 201)MLN\$(L+4)&CHR\$(0) (2,4): "PROGRAM LOAD CREATER" : THEN 250 ELSE IF ABS(B)()5 0 : /2)+1) 1 320 FOR I=65 TO L+64 :: PRIN PRESS ANY KEY" | R A\$(I)="LOADER" THEN 230 | 270 PRINT #2:LN\$(2)&DI\$(1)&C | T #2:LN\$(L+I-59)&IF\$(I)&CHR\$ 175 CALL KEV+0,K.S):: IF S=0 : 235 DISPLAY AT(12.9):A*(I):: : HR*(199)&CHR*(LEN(NLTS*))&ML : (0):: NEXT I THEN 175 ! DISPLAY AT(14.1): "KEEP IN T ! TS#4CHR\$(0) 1 330 PRINT #2:LN\$(2*L+6)&CHR\$ 180 PRINT "PROGRAM STATUS... : HIS LOAD CAT?>>Y<<" :: ACCEP : 280 COL=8 :: FOR I=1 TO L :: : (132)&*K@"&CHR\$(190)&CHR\$(20 ...NDRKING" :: CL\$="CLEAR" | T AT(14.25)SIZE(-1)VALIDATE(| PRINT #2:LN\$(I+2)&DI\$(12+I- | 0)&CHR\$(2)&"15"&CHR\$(176)&CH : DIN A\$ (20) : OPEN #1: "DSK ("YN") : KEEP\$____ 1 INT(L/2))&CHR\$(199)&CHR\$(3+L + R\$(157)&CHR\$+200)&CHR\$(5)&CL 1.".INPUT .RELATIVE.INTERNAL : 236 IF KEEP\$<>"Y" THEN 230 : EN(A\$(I)))&CHR\$(I+64)&"- "&A : \$&CHR\$(130)&CHR\$(139)&CHR\$(0 190 DEF LN\$(N)=CHR\$(0)&CHR\$(: 240 NEXT I : \$(I)&CHR\$(0):: NEXT I ! 1 1 250 CLOSE #1 :: EN\$=CHR\$(181 | 290 PRINT #2:LN\$(L+3)&CHR\$(1 | 340 PRINT #2:LN\$(2*L+7)&CHR\$ 200 DEF DI\$(R)=CHR\$(162)&CHR :)&CHR\$(199)&CHR\$(25)&"PRESS : 62)&CHR\$(240)&CHR\$(183)&CHR\$: (134)&CHR\$(201)&LM\$(L+4)&CHR \$(240)&CHR\$(183)&CHR\$(200)&C : <BACK> FOR EX/BASIC*&CHR\$(0) : (200)&CHR\$(2)&"24*&CHR\$(179) : \$(0):CHR\$(255)&CHR\$(255):: C HR#(LEN(STR#(R)))&STR#(R)&CH | :: COL=1 :: L=I-1 i &CHR\$(200)&CHR\$(1)&"1"&CHR\$(: LOSE #2 :: DISPLAY AT(23.21) R\$(179)&CHR\$(200)&CHR\$(1)&ST : 255 DISPLAY AT(12.1):" INPU : 182)&CHR\$(238)&EM\$ (BEEP: "COMPLETE" :: END R\$(CDL)&CHR\$(182)&CHR\$(181) | | | | NAME FOR LOAD FILE":"":" | I ANY BUT 'LOAD'> MLOAD" :: AC ! ! CEPT AT(14.19)SIZE(-10):FILE :

volume A Numerar 1

100		: 440 ! RUN THE PROGRAM CALLED	: 570 GONE\$.USE\$="" :: REPLACE	B10 IF CK32 OR CX128 THEN BX
*		SHRINK, WHEN THE PROGRAM		0
110	•		: 580 INPUT "NAME DE PROGRAM?	
			Litam thought section for	
130			: 590 OPEN #1:"DSK1."&X\$.INPUT	
140		450	DISPLAY .VARIABLE 163	EN STRING=YES ELSE STRING=NO
150 160			600 OPEN #2:"DSK1.TEMP".OUTP	
170	! SANTA BARBARA, CALIF	I IS STORED IN MERGE FORM	610 NAMES="#"&SEG\$(X\$.1.9)	! TE NemAt(Fither son
180			620 DIM A\$(130),8\$(130),NA\$(
190	PHONE 805-687-9720	45 3 !	(130).NB\$(130)	UMNONSTRING=NUMNONSTRING+1
200			630 FOR K=1 TO 26 TH AN IK) =C	
210	*******************		HR\$(64+K):: B\$(K)=A\$(K)&"\$"	
* 220			:::	
	•		; 040 run 0=1 10 4 11 run k=1 ; ¦ TO 26 :: T =J+26+K	
			650 A#(T)=CHR#(64+J)&CHR#(64	
250			+K):: B\$(T)=A\$(T)&#\$#	
			660 NEXT K :: NEXT J	
270			670 R1\$=CHR\$(131):: R2\$=CHR\$	
280	1 2 SHORTENING VARIABLE	; 480 ! ! ABA THE BEMODAN THAT IP:	i (154):: EOF\$=CHR\$(255)&CHR\$(255)	YSO UPEN #1: "DSK1.1EMP".INPU
	REPLACING	PETAG ALTERED REMAINS	: 200) : 680 LINPUT #1:X\$:: LINES=SE	: QAO OPEN #7:"REVI "INDEE 103
	"LASTENTRY" BY "B"	INTACT. (REALLY ONLY A	G\$ (X\$,1.2) : IF LINES-US THE	TPUT.DISPLAY .VARIABLE 163
290	!	COPY IS BEING ALTERED.)	N PRINT : "THERE IS A LINE HI	970 PRINT #2:CHR\$(0)&CHR\$(1)
300	1 3 REPLACING THE NUMBER	1 500 1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TH LINE NUMBER 1 - REMOVE	
710			IT! " :: STOP ELSE 60TO 700	
310 311	*************		: 690 LINPUT #1:X\$:: LINE\$=SE : : G\$(X\$.1.2):: IF X \$=EOF\$ THEN :	
011	;		PRINT #2:X\$:: GOTO 940	
319	! THE SAVINGS ARE:		700 PRINT ASC(SEG#(X\$.2.1))+	
	727000		256*ASC (X\$)	
704			710 IF REPLACE=YES THEN USE\$	
320	· ·		! =USE\$&LINE\$:: REPLACE=NO ! 720 Z\$=SEG\$(X\$.3,1):: IF Z\$= !	
			: /20	
			: E\$&LINE\$:: REPLACE=YES :: 6	
329	<u>!</u>	NUMBER OF VARIABLES IS	: OTO 690	1020 IF P>=LEN(X\$) THEN 1090
330	! 2 BYTES FOR EVERY	130 STRING VARS & 130	1 730 P=POS(X\$.R1\$.3):: IF P>0 1 THEN X\$-SEG\$(X\$,1,P 1)&CHR\$ 1 (0)	1030 P=POS(X\$.CHR\$(201).P+1)
710	OCCURRENCE OF "1"	NUMERICAL VARS. HAX	I THEN X+-SEG+(X+,1,P 1)&CHR+	1040 IF P=0 THEN 1090
340 350	: 	I NUMBER OF LINES (MAI	; (0) ! 740 Y\$=SEG\$(X\$,1,2):: I=3 ::	: 1050 Y\$=5E5\$(X\$,F+1,Z):: W=0 : 1040 G=5G5/GONE4 Y# G±1)T
200	EVERY OCCURRENCE OF A	BEING REMARKS IS 125	: /+U :==3CD#\X#;1;2/:: 1=3 :: : LL=LEN(X\$)	! F D=0 THEN X\$=9FR\$(Y\$_1_P)&V
	VARIABLE NAME.		750 T\$=SEG\$(X\$,I,1):: C=ASC(
360	!	1 526 !	ì T\$)	20
			760 IF I=LL THEN PRINT #2:Y\$	
700	! FIGURE TO LIGHT ADDRODAY	. MEMBRY EVENNETBY THE	! &T\$:: GOTO 690 ! 770 IF C=201 THEN Y\$=Y\$&SEG\$.	
395	: new to use PROURANT	: * REMOVE THE "!" EDOM	: //O IF C=201 IMEN Y\$=Y\$\&\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	: 1080 Y≯=3E6≯(U3E≸,U.2):: 68) : 8 1060
400		* LINE 530	1 780 IF C=199 9R C=200 THEN J	1090 PRINT #2:X\$
140	•) 741 : ************************	_MOC!OCO\$/V&*T.T*T/\?? 4!\$	עלל טוטט יענו ו
			%SEG\$(X\$,I.J+2)::	
		: 530 CALL INIT :: CALL LOAD(-		
	THE MERGE FEATURE.		790 IF C>128 THEN Y\$=Y\$&T\$:	
400			: 1=I+1 :: 60T0 750	
		: 560 YES=1 :: ND=0		! !