

# TI READER

100  
8805  
Charlotte

## The Newsletter of the Charlotte TI-99/4A User Group

May 1988

### USE THE NEW 3.5 INCH DRIVES WITH YOUR TI-99/4A

With the advent of 3.5 inch disk drives, some of us may want to switch one or more of our current 5.25 drives to the smaller format. The smaller drives are of equal capacity, with a hard-case disk that is protected from many of the things that ruin floppies.

TI owners may change over drives in a flash, with a kit from Alpha Scientific. The kit contains a drive, mounting hardware and facing, and only requires that you use a screwdriver. Using the drives is exactly the same as using your present floppy drive. It is half-height, so two would go easily in the PE box.

The source for the kit:

Alpha Scientific  
P.O.Box 626  
Chesterfield, MO 63006  
Phone (314) 878-7117  
Call for prices.

### ACTIVE MEMBERS ROSTER

ACTIVE MEMBERS, AS OF 7/06/88

Below are the paid-up members of the Charlotte TI-99/4A Users Group. If you feel your name has been omitted in error, call Arnold Wollman, at 542-1903. Dues are \$15.00 per year, per family pro-rated.

W.M.Brawley	Billy Morrison
Robert Daigler	Mark Peters
Lonnie Dellinger	Robert Simms
Mike Eagle	Doug Thomas
James Everett	Dave Wentzel
Kenn Cannaway	David Westbrook
Ken Graf	Marvin Wilson
Bill Grahling	Luis Wolf
French Harvey	Arnold Wollman
Wayne Hollar	

### HIDDEN COMMANDS IN TI MODULES

#### TI SECRETS

(Reprinted from the Guilford 99er Newsletter, Vol. 5 #9, an article by Bob Carmany.)

As time goes by since the day that TI pulled out of the home computer market, new and undocumented tidbits of information are almost constantly surfacing. They range in scope from very simple like the undocumented "RUN CSI" that is available in XB to sophisticated bits of information that are only of value to semi-professional A/L programmers like Peter Hoddie or Tony McGovern. Somewhere between the two extremes are some goodies that can be of use to someone whose programming skill level is somewhat below that of those two luminaries. It is some of these that we are going to look at in this article.

Before we get started, I would like to acknowledge the original author of this material. The May '85 and June '85 issues of MICROpendium carried this as a two-part offering by Laurie Smith of Spartanburg, South Carolina. We are going to try to present this material in a condensed... form.

Everyone knows that when some cartridges are used, there are some enhanced commands that become available in BASIC. For example, we have CALL LOAD, CALL LINK, CALL VPEEK, etc. in BASIC when we use the Mini-Memory cartridge. These enhanced commands, however, are reasonably well explained in the manual that comes with the cartridge. What you may not know is that there are other cartridges that have equally powerful commands available that are totally UNDOCUMENTED.

For years, there have been articles written with BASIC and A/L routines to try to replace ACCEPT AT, DISPLLAY AT, and some of the other commands that you have in the XB cartridge. They are all completely unnecessary!

How many of you have the PERSONAL

# CLUB INFORMATION

THE CHARLOTTE TI-99 USERS' GROUP meets the second Monday of each month at the Mary Eliza Computer Learning Center (at the Department of Social Services, 801 Billingsly Road, Charlotte, NC). Visitors are invited to enjoy our meetings without obligation. Membership is only \$15 per calendar year per family or individual. Privileges of membership include borrowing from the software library, monthly newsletters, special interest group meetings, and low rate ads in the newsletter. For more information contact any of the officers.

THE USERS GROUP NEWSLETTER is printed monthly, and includes news concerning the Charlotte TI-99 Users' Group, as well as items related to the TI-99/4A computer system in general. Product reviews and announcements should not be considered endorsements or the official stand of the users' group as a whole, but only represent the opinions of the authors. Articles from this newsletter can be reprinted freely, in whole or in part, by any other bona fide computer users' group if credit is given to both the original author and to the Charlotte

Users' Group. Articles from other users groups' publications may be included in this newsletter to help broaden our range of topics. Full credit will be given to any reprinted articles. Submissions for the newsletter are welcomed.

We need long or short programs, technical tips, software or hardware reviews, problems, etc. Credit is given to the author of every item printed.

Copyrighted material will be not be accepted without the author's permission, and articles may be edited for reasons of space. Newsletters are also available to other TI Users Groups on an exchange basis. Any group interested in this arrangement should contact the secretary at the address below.

ALL CORRESPONDENCE, submissions, ads, changes of address or other requests should be sent to: The Charlotte TI-99/4A Users Group, P.O.Box 9353, Charlotte, NC 28299-9353

## \*1988 OFFICERS\*

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## \*UPCOMING MEETING DATES\*

July	11
August	12
September	8
October	10

RECORD KEEPING cartridge? If you don't, this might make you think about finding one--or at least dusting off the one that you have and trying out some of this material.

With the PRK cartridge installed, you have access to the equivalent of both DISPLAY AT and ACCEPT AT pluss several more that you probably never heard of --I know I never did! Let's take a look at several that might be of particular interest.

\*\*\* The first one is the PREP subroutine that is used to reserve space in VDP for a fixed length data file. It takes the form: CALL P(V) where V is the numeric value of the number of bytes to reserve in VDP RAM. For example, you could use CALL P(10000) which would reserve 10K of space in VDP for a data file.

\*\*\* Next there is the LOAD subroutine. It functions similarly in some respects to CALL LOAD in XB and Mini-Memory BASIC with the major difference being that there is a return variable specified. It looks like this: CALL L(V\$,V) where V\$ is the name of the external device and filename and V is the return variable. In practice you could use it like this: CALL('DSK1.DATFILE',V).

Then, by using the return variable, switch control to another part of the program.

For example:

```
100 CALL L("DSK1.DATFILE",V)
110 IF V=0 THEN 120
120 PRINT "FILE LOAD ERROR!!"
```

\*\*\* The third enhanced command is the opposite of LOAD, namely the SAVE command. It is used to save data from the data file area in VDP RAM that was created with PREP. It is similar in form to LOAD and takes the form: CALL S(V\$,V). An example would be: CALL S("DSK1.DATFILE",V). You could, once again use the return variable to switch control to another program line.

\*\*\*The next command we are going to examine is the ACCEPT command. Here things get a little more complicated because it can take one of several forms. We will look at all four forms, and then give an example of the most frequently used of the lot:

```
CALL A(Y,X,C,V,L,H)
CALL A(Y,X,W,C,V)
CALL A(Y,X,W,C,V,F)
CALL A(Y,X,W,C,V$)
```

In these examples, Y and X are screen position (Row, Column), W is field width, C

the return code, V the return numeric variable, and V\$ is the return string variable. L is the low value, H the high value, and F is the field number.

A return code of 1 means that valid, non-empty (not null string) data was entered; 2 means an empty field was entered; 3 means shift-A was pressed, 4 means Shift-R was pressed, 5 means Shift-Y was pressed, 6 that Shift-W was pressed, and 7 means that Shift-Z was pressed.

How would you use such routines in a program? Suppose you wanted to accept input of a "yes" or "no" response at row 12 column 20 (this follows the form of the fourth listing). We will have row, column, field width (analogous to SIZE in XB), the return code, and the actual string itself. The lines of the code would look like this:

```
100 CALL A(12,20,1,C,V$)
110 IF C<>1 THEN 110
120 IF V$="Y" THEN 700
IF V$="N" THEN 800
```

\*\*\* Now look at the DISPLAY subprogram. It functions like the equivalent in XB and, like CALL A, has several different forms that it can take:

```
CALL D(Y,X,W,V)
CALL D(Y,X,W,V$)
CALL D(Y1,X1,W1,V3,Y2,X2,W2,V2$,Y3,X3,
etc.)
```

Here is the explanation of the variables involved. Y and X are screen position, W=field width (the equivalent of SIZE in XB), V=display value, V\$=display string. IN a program, the coding would look like this to display text at row 16, column 4:

```
100 CALL D(16,4,23,"ENTER YOUR PRINTER
NAME")
```

There are even a couple of subprograms to read and write data to files created with the PREP command but from this point on we are beginning to leave the realm of what would be considered "for the average programmer." If you are interested in examining these undocumented commands in the PRK module further, I would suggest that you read the articles in the May and June 85 issues of MICROpendium. Besides the articles, there are a couple of BASIC programs --one which takes a PRK file and creates two files that can be accessed in BASIC and a second that does the reverse.

This is just one of the things that TI

"forgot" to tell us. Just think what commands are available when you innocently plug one of the other cartridges into the GROM port of your computer --the mind boggles.

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### ADS:

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#### FOR SALE:

TI-99/4A Computer, with RF modulator and manuals; TI joysticks; Speech synthesizer, and the following software: Aligator Mix, Car Wars, Household Budget Management, Touch Typing Tutor, Hunt the Wumpus, A-Mazing, Speak and Math, TI-99 PacMan. All for \$120 or will consider offers on separate items.

Call: John or Brenda O'Malley  
567-8317 afternoons.

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#### FOR SALE:

Hardware (with docs)  
TI-994/A Computer  
Peripheral Expansion Box  
Speech Synthesizer  
Navarone Cartridge Expander  
Acoustic Modem (300 BAUD)

#### Cartridges:

Terminal Emulator 2  
Disk Manager 2  
TI Extended BASIC  
TI-Writer  
TI Microsoft Multiplan  
Blackjack/Poker  
Securities Analysis  
Tax/Investment and Recordkeeping  
Home Financial Decisions  
Personal Record Keeping  
Personal Real Estate

#### Diskettes:

Inventory Management  
Mentor Power Pak

#### Cassettes:

Personal Financial Aids

Most equipment never used. Owner prefers interested persons call and make offer. Sell separately or all together.

Contact: Frank Famiglietti  
704 567-2326  
3525 Taurus Drive  
Charlotte, NC 28205

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## MINUTES OF JULY MEETING

1. The Meeting convened at 7:10 and members participated in a raffle for \$2.00 to win a disk file.
2. The meeting was called to order by Robert Simms, acting for Dave Wentzel.
3. Discussion ensued around tactics for publicity. French Harvey volunteered to contact software stores for possible posting of our club information. The secretary agreed to write the "City Letter."
4. A discussion of programs and plans brought up the fact that there is continuing interest in problem-solving sessions. Simms agreed to consult Dave Wentzel and plan a program on FW 4.0.
5. Program and long range discussions asked questions about the direction TI users want to go with their systems, and the things they want to do. The secretary will print a questionnaire in the next newsletter.
6. Lonnie Dellinger won the raffle.
7. Bill Grahling announced that the Shelby Hamfest would be Labor Day weekend and members were offered the opportunity to preregister next month.
8. After discussion about disk copying, and agreement to contact all members before the next meeting, the meeting adjourned to the trouble shooting session.

Respectfully Submitted,  
Robert F. Simms, Secretary

CPUG, MAY 88

TIWriter tutorial by Katzman, part 3 and part 4; Letter to Myarc complaining; Description of the Gramulator.

CIN-DAY NEWS, APRIL 88

Font of the month; Review of Picture It for TIArtist; "Real Programmers" (Humor); Intro to telecommunications.

CIN-DAY NEWS, MAY 88

PRBase bug report; Help with the Pilot language; A simple XB telecom program listing; Cleaning disk drives.

CLEVELAND AREA, MAY 88

Fixing a tempermental XB cartridge; A review of the Star NX1000 printer; Deanna Sheridan on various topics including Echos

CLEVELAND AREA, JUNE 88

Forth System disks; TIWriter Tips; Speeding up auto-repeat of cursor in Funnelweb.

DATA BUS, MAY 88

TIWriter Tips by Bob Seddon, on margins, forcing CR's, printing tips; Program to salute Israel's 40th.

EAR 99ER, MAY 88

Disk talk, explains disk information; Minimemory part 8.

EAR 99ER, JUNE 88

Test your computer knowledge; Minimemory part 9; Stock Market, an XB program listing (game).

FLUG99ER, JUNE 88

Lots of reviews of the Dallas TI Fair; Info on the FLUG (Forest Lane Users Group) TIBBS.

GREAT LAKES, MARCH 88

Assembly tutorial; Review of Graphx upgrade; TI chip part #s.

GREAT LAKES, APRIL 88

Labeler program; Console Power supply info.

GREAT LAKES, MAY-JUNE 88

Archiver II tutorial; Review of the NX1000 printer; Debugging the console (extensive and detailed).

CALL SAY, MAY 88

Ramdisk talk; Morse code program.

HUG, MAY 88

Telco Review; United Data Base update; TIWriter Tips on tabs, hyphens, multiple columns, spaces, more;

HUG, APRIL 88

Several items on PRBase operation; United Data Base overview; Options for expansion of the basic TI.

## IN OTHER NEWSLETTERS....

BYTEMONGER, MAY 1988

Listing of "Bigbucks," a market analysis program; A system for organizing your files.

BYTEMONGER, JUNE 1988

"Bigbucks" cont.; Using TIWriter TL and IF commands.

99ER OUTPUT, APR 88

Multiplan tutorial on windows, copying formulas, and options.

99ER OUTPUT, MAY 88

Review of adventure games.

CPUG, APRIL 88

Discussion of Myarc's delays; Installing XB in console with switch to disable so port may be used; Disk labeler (listing).

HUB, JUNE 88

Brief TIWriter tutorial; Loading various kinds of files and programs (extensive description).

JACKSON COUNTY 99ERS, JAY 88

High res graphics and the 99 (a comparison of graphics programs).

JOHNSON SPACE CENTER, MAY 88

Using the special character mode in TIWriter; Review of the new FIRST BASE, a database for the 99.

K\*3, MAY 88

Printer setup program listing; 32K testing.

CK 99ER CONNECTION, APRIL 88

Full description and source for the Miller expansion box; A shrink program listing; Fixing a blown sector 0 or 1.

LA 99 TOPICS, APRIL 88

Review and tutorial of Graphics Expander; EZ Basics (learn BASIC); Review of EZ Keys.

LA 99 TOPICS, MAY 88

Disk controllers explained (detailed); highlighting display characters; EZ Basics; 3.5 Floppy conversion; Forth stuff.

LA 99ER TOPICS, JUNE 88

Beginning Forth; EZ Basics; PR Base tips; telecommunications basics.

LINCOLN 99, APRIL 88

Mod loader; An overlay strip generator program (listing).

LINCOLN 99, JUNE 88

Helps and advice for fairware users.

NORTHEASTERN 99ERS, MARCH 88

TIWriter tips on headers, footers, begin and include; computer facts.

NORTHEASTERN 99ERS, APRIL 88

Making data disks for Certificate 99;

Review of the Lexington Fair.

NORTHWEST OHIO, MAY 88

Create your own cursor; TIWriter help card (photocopies of the original);

NORTHWEST OHIO, JUNE 88

Geneve column; Review of the Gramulator; TIWriter Tricks; Word Counter program (very slow).

NEWS NET99ER, APRIL 88

Review of Telco; List of TI Suppliers.

OTTAWA, MAY 88

Geneve debate; Club futures (many clubs are running columns discussing the future of TI and TI groups);

Expansion port interfacing; Encryption;

tutorial on DISPLAY AT and ACCEPT AT.

OTTAWA, JUNE 88

DM1000 warning (ver. 4.0 is dangerous to your disks!!!); Legends review; Hints and Tips on various major programs; David Caron's programming hints.

PUG PERIPHERAL, MAY 88

Digest of new products; Willforth on ramdisks, part 6 (Grand Ram); Multiplan tutorial part 7; PRBase bug report.

PUG PERIPHERAL, JUNE 88

Tutorials continued from May; Getting the most from your cassette system; Flip and Mirror with TIArtist; Schematic and plans for building a real time clock using the Willforth board, and a program for setting it; First lesson in XB. QB monitor, may 88

A step by step walk-through of the CONFIGURE program in Funnelweb 4.0, plus the charts; Program listing, Name That Phone, a tinygram; HRD construction. QB MONITOR, JUNE 88

Article on PD software.

ROCKY MOUNTAIN 99ERS, MAY 88

Conversion of the 2.2 console; Ramdisk tips and tricks; Poor man's A-B switch; Putting an IBM power supply in the PE Box; Building an RGB monitor interface. BALL 'N' CHAIN, (SALT LAKE), JUNE 88

Tigercub tips; High Res Graphisc, part 2; Computer history, Impact 99.

SANFRANCISCO, MARCH 88

Schematic for a 6-cartridge widget-like device; Geneve complaints.

COMPUTER BRIDGE, FEB 88

Beginners BASIC; Build a disk drive power test fixture.

COMPUTER BRIDGE, MAY 88

Brief TIWriter tips; Smoking harmful to computer; Review of Zodiac Wheel of Fortune; Altering the PE Box power supply to reduce heat.

COMPUTER BRIDGE, JUNE 88

An Easy Loader and program; Coronary risk analysis program (listing); Continuation of PE Box alterations. S.M.A.U.C., MAY 88

Customizing Geneve; Ramdisk talk SUDBURY 99ERS, MAY 88

Facts on FirstBase, the new Agee database program.

SUDBURY 99ERS, JUNE 88

All about Graphic Lister.

TIDEWATER, MAY 88

Analyzing a BASIC program; PRBase reference sheet.

TRI VALLEY 99ERS, APRIL 88  
 Kiddy Corner; Ottawa fair report;  
 Estimating memory left; More on computer viruses.  
 VAST, APRIL, MARCH 88  
 BASIC tutorial; BASIC diagnostic program;  
 Elements of BASIC, part 8;  
 Amiga DOS overview (Amiga??).  
 WEST JAX, MAY 88  
 Adapting the 99 to the Hayse  
 Smartmodem and using FTERM dial;  
 Printer's Apprentice tutorial, part 3;  
 Review of Picasso.  
 WEST JAX, JUNE 88  
 First installment in an Assembly language  
 tutorial (looks beginner- friendly).  
 WEST PENN, MAY 88  
 Pascal P-Code, part 6; Tips on various  
 basic operations;  
 Clock/Calendar design for the Willforth  
 ProtoBoard (parts list and schematics).  
 WEST PENN, JUNE 88  
 Pascal P-Code, part 6; Info on new  
 products and software.

**PROGRAMS YOU JUST MAY WANT:**

Most of our club members are not subscribers to GENie, the General Electric Network of Information Exchange. Those who are have access to a large number of public domain and fairware programs and files which will enrich the computing power of any TI user.

The editor and several other club members, however ARE subscribers. We thought it would be helpful to club members to see some of the recent listings of TI programs and files on GENie, and to try to provide others in our group with those which look interesting. The listings given are directly from GENie transmissions, with no corrections in the way the original authors listed their files. The numbers are the means of finding these files on GENie, and need to be given to a GENie user in order for him to be able to locate and download that file.

Remember that if you want a file or program, and a GENie user must download it, you will be responsible for the "connect time" required for the process. On a program file of 33 sectors, this might be as little as 75 cents to a dollar, depending, of course, on the BAUD rate used and the time of day the call is made. Requests for files from GENie may be made at meetings, and GENie users may respond.

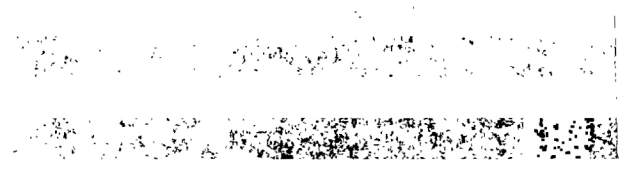
ALL Libraries	No.	File Name	Type	Address	YMMDD	Bytes	Access
	2452	GRANDRAM		7 B.NEAL	880720	2520	12
		Desc: For those stiffed by Tr... Program					
	2451	XDIR.ARK		X JOHN.J	880720	2520	19
		Desc: replacement DIR for MDS					
	2450	MERGE-P/C		X J.CAVALLERI	880719	2520	18
		Desc: ADDS 2 FILES PRODUCING 1 FILE					
	2449	ER+		X WOLFGANG.R	880719	3780	14
		Desc: Dreaming of being rich?					
	2447	GRAFISCH1.ARC		X S.MEHRI	880718	39060	29
		Desc: must be seen!					
	2446	INSTANCE PRINTER V 2.0		X AN...	880718	5040	26
		Desc: HIGH ... INSTANCE PRIN...					
	2445	9640 NEWS.TXT		X B.W.MILLER	880717	2520	38
		Desc: 969640 publication or... info					
	2444	MDCOMUG.ARC		X ...	880717	49140	20
		Desc: Publishers Group Publications ...					
	2443	FORTRAN ...		X J.STRI...	880716	6300	16
		Desc: A comparison of 3 sorts in FORTRAN					
	2442	GPO-JS.ARC		X JOHN.J	880716	45360	28
		Desc: Replacement for 9640 TI Basic					
	2441	GPO-JJ.ARC		X JOHN.J	880716	46620	8
		Desc: Replacement for 9640 TI Basic					
	2439	9640 HOME-...MP		X GENIAL.AL	880715	21420	19
		Desc: 9640 Multiplan template by E. Bray					
	2438	CERT'99V2REVIEW		X S.MEHRI	880714	10080	19
		Desc: Certificate '99 version 2 review					
	2435	AMORTIZ...		X S.MICKELSON	880714	10080	20
		Desc: EGES FOR AMORTIZ					
	2434	AMORTIZ...		X S.MICKELSON	880714	11340	20
		Desc: MORTGAGE AMORTIZATI...					
	2433	RIPPER.TIA		X GENIAL.AL	880713	7560	34
		Desc: Product preview in an Artist picture					
	2432	GENIE BFLW... FIX		X GENIAL.AL	880712	1260	14
		Desc: X6 GENie Software Library utility					
	2431	RTC 7-10-88.ARC		X DSD	880711	12600	26
		Desc: RTC not... arked					
	2427	9640-EPROM-...ER		X TOMSFREE	880710	3780	32
		Desc: EPROM TO DISK FOR DISASSM					
	2425	SINCLAIR MIDWEST CONF.		X D.HOSHOR	880710	7560	5
		Desc: Details of the sinclair midwest conf					
	2424	C99 PROGRAMS.ARC		X KCS	880710	8820	23
		Desc: ADD DIVIDER AND MULTIPLY PROGRAMS					
	2423	C99 PROGRAMS PACKAGE.ARC		X KCS	880710	16380	20
		Desc: C99 PROGRAMS PACKAGE					
	2420	SUPER-PROTO.ARC		X JOHN.J	880709	15120	19
		Desc: Software for the 8k DSP card					
	2419	...003.5...		X ...	880708	25200	30
		Desc: Official release from Ottawa UG					
	2417	HELP.APK		X C.NICHOLAS	880705	2520	34
		Desc: MODE BATCH FILEDOS Batch file					
	2416	FORTRAN SCREEN EDITOR		X C.PULLEY	880702	7560	18
		Desc:					
	2415	J.S.BACH.XB		X XTRO	880630	6300	39
		Desc: GOLDBERG VARIATION #1					
	2414	FASTLOAD9640.SQZ...		X TOMSFREE	880628	12600	31
		Desc: FASTLOAD X6 INTOAUTO L... XB INTO 96					
	2413	QDFC		X C.PULLEY	880627	8820	50
		Desc: Quick n' Dirty Formatting Columnizer					
	2412	PULLEY RTC.ARC		X ...	880627	20160	29
		Desc: Notes from Clint Pulley RTC					
	2411	INPUTS/AUTOREPEAT...		X TOMSFREE	880626	1260	21
		Desc: CHANGE AUTOREPEAT DELAY IN X6					
	2409	SEB-FCIN-SHFT MODS -9640		X TOMSFREE	880626	7560	16
		Desc: USE TRITON SEB MODS TO RUN IN 9640					
	2407	GEE PLOTS		X J.STRICHERZI	880626	2520	50
		Desc: Plots for GEE language					
	2406	TISLSHORT.ARC		X DSD	880626	5040	13
		Desc: short listing files 2301-2400					
	2405	TISLLONG.ARC		X DSD	880626	22680	11
		Desc: long listing of files 2301-2400					
	2404	TISLALPHA.ARC		X DSD	880626	6300	8
		Desc: short listings 2300-24...					
	2403	MCCOMIC TYPO LIST		X GENIAL.AL	880625	5040	33
		Desc: Corrections to McComic's a/l book.					
	2402	...		X C.PULLEY	880624	20160	35
		Desc: C99 compiler for MDS					
	2401	XMODEM.S		X J.SLICER	880624	21420	18
		Desc: Source code for Paul Charlton's					
	2400	FOR... UTILITY DISK.ARC		X KCS	880624	47880	25
		Desc: XBASIC LOAD FORTH DISK WITH MENUS					
	2399	...STUFF.ARC		X JOHN.J	880621	49140	25
		Desc: bbs source, utilities, novelties					

2398	YMODEM.ARK	X DSD	880620	37800	17	2348	OM/ARK	X J.SLICER	880601	11340	41
	Desc: Docs and specs for Ymodem						Desc: Oh-Mummy screens in 100% English				
2397	TELCO V2.1 UPDATE	X DSD	880620	25200	92	2347	MLOAD/ARK	X J.SLICER	880601	5040	16
	Desc: Update files for 2.0						Desc: Use Catlib or Catlib/Comp w/ Myarc C				
2396	TELCO 2.1.ARK	X DSD	880620	93240	112	2346	DISK4.1/ARK	X J.BIRDWELL	880601	25200	95
	Desc: Version 2.1 w/bug fixes of 2.0						Desc: Disk Utilities 4.1 update				
2395	QL KERMIT.C	X D.HOSHOR	880620	36540	3	2345	KEYSCAN/ARK	X J.SLICER	880601	16380	22
	Desc: SOURCE CODE FOR QL KERMIT						Desc: A KEY SCAN PROGRAM.				
2394	QL KERMIT.TXT	X D.HOSHOR	880620	7560	3	2343	GIF SPECIFICATIONS.4A	X L.HARRPING	880530	18900	10
	Desc: Instruction for QL KERMIT						Desc: PART OF CIS'S GIF SPECIFICATION				
2393	QL KERMIT.BIN	X D.HOSHOR	880620	26460	1	2342	ZODIAC	X S.WANCE	880528	49140	43
	Desc: Kermit for the QL						Desc: ZODIAC SCOPE PROGRAM				
2392	INK.ARK	X DSD	880619	17640	11	2340	BEATLES.P	X SUNDANCE	880528	35280	26
	Desc: Ink C source code arked						Desc: BEATLES MUSIC				
2391	INK.C	X DSD	880619	105840	9	2339	C99R4U.ARK	X C.PULLEY	880528	51660	37
	Desc: C source code for programmers						Desc: RE-UL OF C99R4U.ARK				
2390	GEE	X J.STRICHERZ1	880619	22680	50	2338	PORT	X L.HARRPING	880527	10080	20
	Desc: GEE--THE GRAPHICS LANGUAGE						Desc: CORRECT FILE FOR PBBS FOR RAM				
2389	COMP 512K REVIEW.ARK	X KCS	880619	10080	13	2336	FILE4.ARK	X J.SLICER	880527	7560	22
	Desc: Article on early Corcomp 512k ram						Desc: Filemaster 4 by me. Packe, Arked.				
2388	GK/UTILITY/III.ARK	X T.OSTONE	880618	60480	37	2335	LOTTERY	X WOLFGANG.R	880527	2520	28
	Desc: Replacement for File #1598						Desc: Playing Lottery? Try this one...				
2387	ANIMATE.ARK	X SUNDANCE	880618	60480	49	2334	CATBO	X J.SLICER	880527	2520	60
	Desc: ANIMATION DEMO						Desc: Catalogs disks on 9640 in color mode				
2386	FUNNELWEB4.1 PARTB	X JOHN.J	880618	61740	62	2333	PRINIZ REVIEW	X S.WANCE	880524	5040	34
	Desc: funnelweb 4.1 partb as of 16 jun 88						Desc: REVIEW OF PRIN WIZARD UTILITY				
2385	FUNNELWEB4.1 PARTA	X JOHN.J	880618	69300	76	2332	WINCHESTER-INFO.ARK	X JOHN.J	880524	6300	41
	Desc: first part of funnelweb 4.1						Desc: specifics on common hard drives				
2381	80TRACKS.TXT	7 GENIAL.AL	880614	5040	55	2331	GRAPHICS-GAMES	X D.LOVERING	880524	45360	32
	Desc: Explains 80 track sector format.						Desc: Some Fairware games made with C99 pl				
2380	M-COPY1.1/ARK	X GENIAL.AL	880614	7560	62	2330	BBS	X L.HARRPING	880523	31500	24
	Desc: M-Copier V1.1 Fairware by Mike Dodd						Desc: FAIRWARE BBS DOCUMENTATION V1.10				
2379	CRK-RUN DEMO.ARK	X C.BOFFETT	880613	46620	36	2327	RRTC 5-22-88.ARK	X DSD	880523	7560	21
	Desc: A DEMO OF ASGARD'S QUICK-FUN						Desc: Rtc notes arked				
2378	ADAMS4.COM	X R.COLLINS3	880610	17640	1	2326	REC.GIF	X DSD	880523	49140	12
	Desc: Install Adam's CP/M for 6 disks!						Desc: 320x200x256 color Aztec Mural				
2377	ADMS4.DOC	X R.COLLINS3	880610	30240	1	2325	REC.GIF	X DSD	880523	64260	13
	Desc: Documentation for Adam's TDU system						Desc: 320x200x256 color of Cher Edge				
2376	ADMS4.LBR	X R.COLLINS3	880610	17640	1	2324	HFDC ARTICLES	X WALT.HOME	880522	6300	36
	Desc: Modified Adam CP/M system						Desc: 2 Articles on the HFDC by W. Howe				
2375	DISKSZ16.COM	X R.COLLINS3	880610	1260	1	2323	HFDC ARTICLES	X WALT.HOME	880522	20160	39
	Desc: Temporary disk size setting.						Desc: 3 Articles on MDOS by Walt Howe				
2374	DISK11.COM	X R.COLLINS3	880610	2520	1	2322	FBAS.CALC.XBAS	X D.HICKS4	880522	3780	29
	Desc: Adam Disk Drive Tester						Desc: XBASIC CALCULATOR, USING PRINTER				
2373	VANHALEN C	X J.SLICER	880610	7560	28	2321	GIF PASCAL.ARK	X DSD	880521	32760	7
	Desc: Van Halen Color portion for TIA, RLE						Desc: Pascal source code for gif				
2372	VANHALEN P	X J.SLICER	880610	7560	30	2320	OLIVE.GIF	X DSD	880521	30240	15
	Desc: PIC file for TIA or RLE. Van Halen!						Desc: 640x350x16 color R-Rated drawing				
2371	ENTERPRISE	X J.SLICER	880610	10080	29	2319	BEAUTY1.GIF	X DSD	880521	42840	20
	Desc: Pic of the NCC-1701!!!!						Desc: 320x200x256 color R-Rated lady				
2370	\$\$\$S 1.3	X J.D.BISHOP	880609	34020	36	2318	BEAUTY2.GIF	X DSD	880521	41580	13
	Desc: NEW DOCS FOR \$\$\$S 1.3						Desc: 320x200x256 color R-Rated lady				
2369	\$\$\$S B 1.3	X J.D.BISHOP	880609	35280	26	2317	BEAUTY7.GIF	X DSD	880521	42840	10
	Desc: PART 2 OF PBBS 9640/99/4A						Desc: 320x200x256 color R-Rated lady				
2368	\$\$\$S A 1.3	X J.D.BISHOP	880609	32760	28	2316	BEAUTY4.GIF	X DSD	880521	40320	8
	Desc: PART 1 WILL RUN ON 9640/99/4A						Desc: 320x200x256 color R-Rated lady				
2367	ENTERTAIN	X J.MCDONALD1	880609	8820	32	2315	DENISE.GIF	X DSD	880521	51660	10
	Desc: THIS PROGRAM ALLOWS ME RECORDING						Desc: 320x200x256 color R-Rated lady				
2366	MDOSTIP	X S.WANCE	880608	2520	74	2314	WICKER.GIF	X DSD	880521	99540	15
	Desc: HIDD MSG: COMMD-MUST						Desc: 320x400x256 color R-Rated lady				
2365	WEIRDMUSIC.ARK	X GENIAL.AL	880608	2520	43	2311	JCT/ARC	X GENIAL.AL	880518	41580	37
	Desc: Weird music. What more can I say?						Desc: Collection of TI-Artist screens.				
2364	RTC 6-5-88.ARK	X DSD	880606	16380	39	2310	STARBURST	7 L.BILIDA	880518	1260	7
	Desc: Warren Agee and First Base RTC notes						Desc: color graics in basic				
2363	SCAN V1.1.ARK	X DSD	880606	11340	41	2309	TAMMART	7 L.BILIDA	880517	1260	11
	Desc: SCAN CRU FOR ALL CARDS						Desc: gr2 interesting graic display for ad				
2361	EFFECTS2.ARK	X PAUL-S.	880605	35280	48	2308	CALLPASS.ARK	X DSD	880516	8820	22
	Desc: Programing - Reveals - Graphics						Desc: add password to HRD				
2360	EFFECT.RLE	X CAROL	880605	5040	5	2307	CLOCKMASTER.ARK	X DSD	880516	17640	21
	Desc: RLE of Midwest Times Fest Logo						Desc: Assembly code to set up Clulow Clk				
2359	SAVE ON COMPAD TIME	7 WALT.HOME	880604	2520	25	2306	FUNNELIN.ARK	X DSD	880516	21420	42
	Desc: A COMPARISON OF TRANSFER TIMES						Desc: have computer act like Answer Mach.				
2358	SINCLAIR CLEVEL.RLE	X D.HOSHOR	880604	13860	6	2305	RTC 05-16-88.ARK	X DSD	880516	11340	26
	Desc: An rle describing cleveland test						Desc: rtc notes arked				
2357	99 FORTRAN TUT.ARK	X DSD	880604	11340	25	2304	SLLONG.ARK	X DSD	880516	26460	18
	Desc: Same file as 2350 only Arked						Desc: 2301-2300 long file descriptions				
2353	PBBS UPDATE TO V1.21	X L.HARRPING	880602	37800	11	2303	SLALPHA.ARK	X DSD	880516	6300	10
	Desc: UPDATES V1.10 TO V1.21						Desc: 2301-2300 short list alphabetized				
2352	A NEW MAGAZINE	X C.BOBBITT	880602	7560	85	2302	SLSHORT.ARK	X DSD	880516	6300	10
	Desc: ASKARD NEWS Announcement						Desc: 2200-2300 short listing arked				
2351	RTC 5/29/88.ARK	X DSD	880602	16380	20	2301	SURVEY.ARK	X DSD	880516	10080	34
	Desc: RTC notes arked						Desc: Results of survey arked				
2350	FORTRAN TUTORIAL-REARF	7 WALT.HOME	880601	20160	29	2300	GLASS.GIF	X DSD	880515	70560	37
	Desc: HOW TO EDIT, COMPILE, LINK, & RUN						Desc: 320x400x256 color gif				
2349	TI/ARK	X J.SLICER	880601	31500	55	2299	FL/LOADER.ARK	X PAUL-S.	880515	15120	53
	Desc: TI Comparison Shopper. A must!						Desc: AFL LOADER, GAME LOADER, EA GAMES				



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