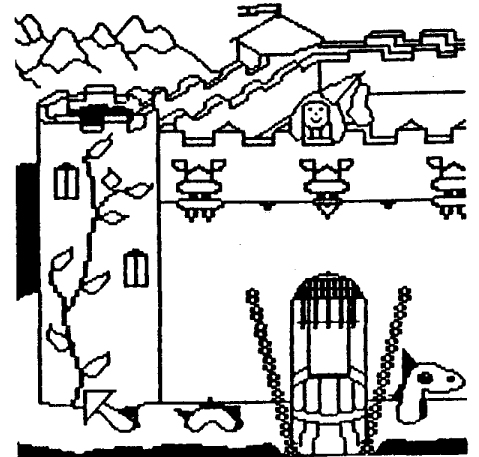


the Wizard's World



TANDY Color Computer Magazine

Volume 1, Number 9

Single \$1.50

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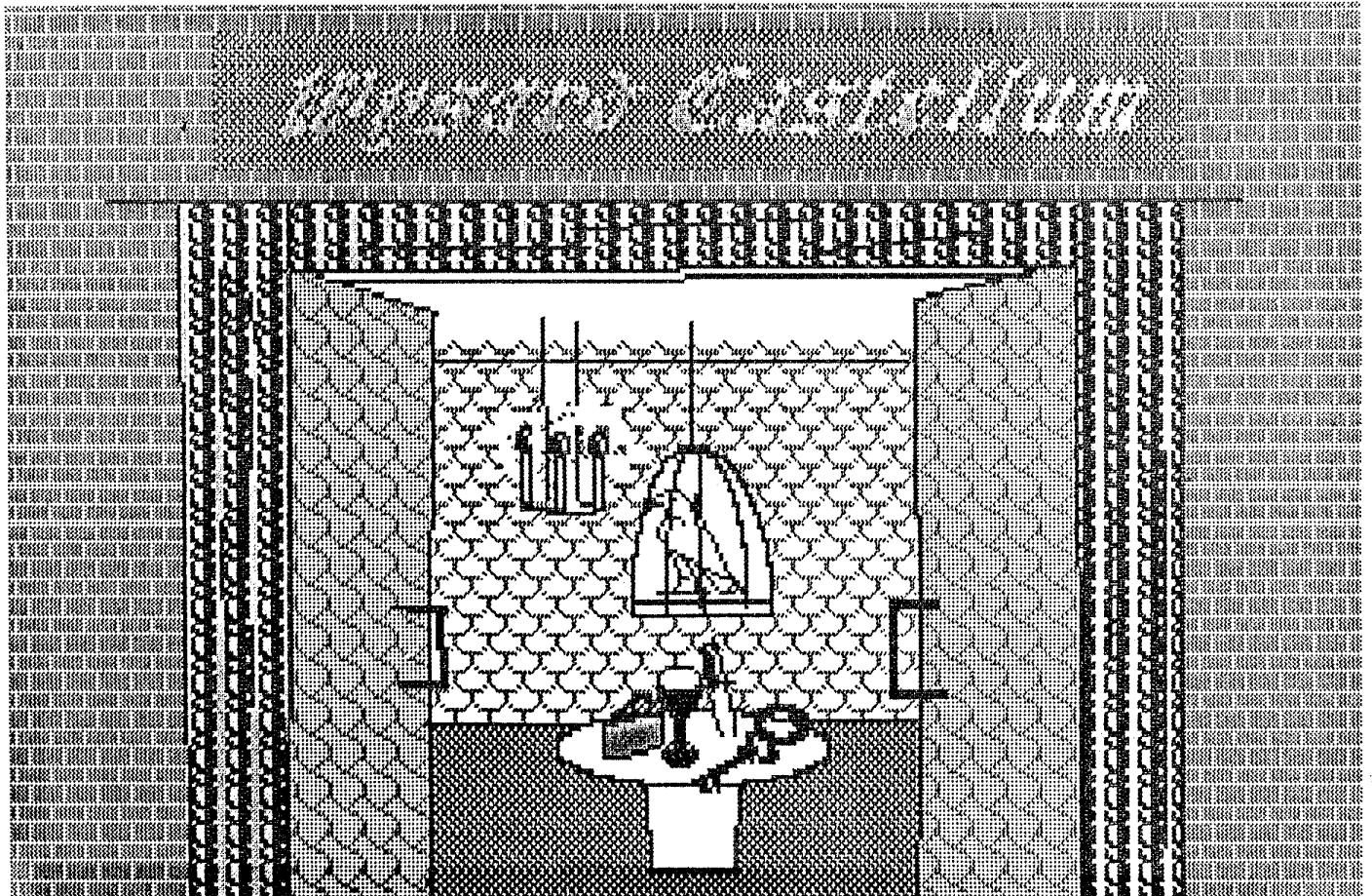


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 * "The WIZARD'S CASTLE" *
 * Volume 1, Number 9 *
 * May 1988 *
 * (C) 1988 *
 * Edited and Published *
 * By: Bobby Roger Queen *
 * BBS # (704)-434-2629 *
 * *****

"The WIZARD'S CASTLE" is published monthly by Bobby Roger Queen; 1737 Farmville Road; Shelby, NC 28150-9406.

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Rates are as follows : \$10/yr USA, \$15/yr Canada, and \$30/yr for overseas. All funds must be <US>.

The purpose of this magazine is to provide help to every Color Computer user. This magazine will continue to support all the Color Computers (CoCo's).

The submission of questions, penpal ads, scores, post-it-notes, reviews, hints, programs, etc. to be published in this magazine will be highly encouraged. Every thing that is submitted becomes the property of "The WIZARD'S CASTLE". We reserve the right to edit all the materials used, and not to publish materials which we determine to be unsuitable for publication.

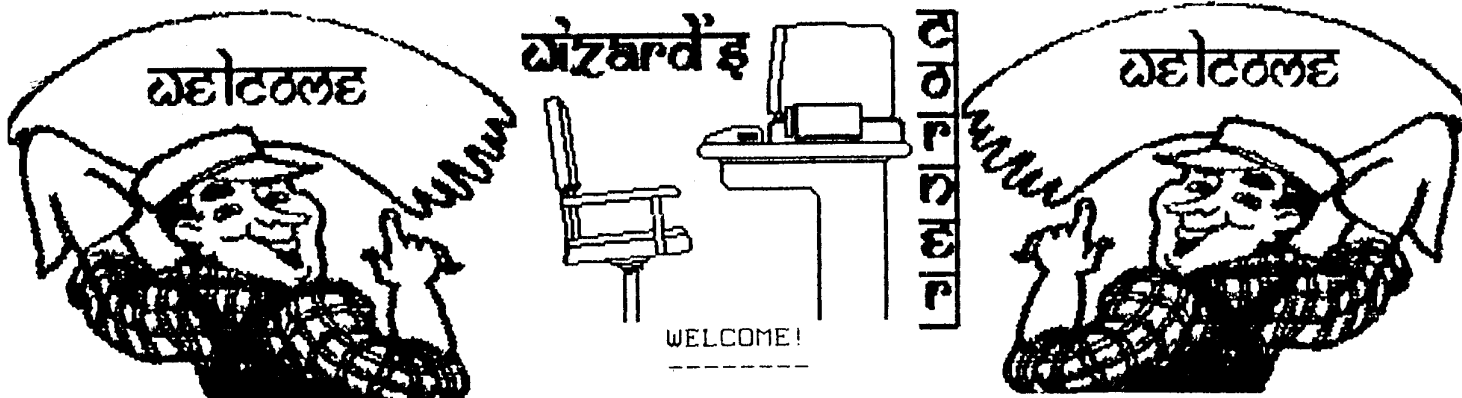
We highly encourage submission of programs as well as articles on appropriate subjects. All programs must be well documented so readers can understand how these programs work. We currently do not pay for these programs or articles, but we may start some time in the future. Materials sent in will not be sent back unless proper return postage is included. All programs should be sent in on a disk or tape & any needed comments should be saved as an ASCII file. We prefer programs to be submitted on disk but we'll accept them on tape also.

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 * DISPLAY AD RATES *
 * *
 * Deadline for ads is the 25th of *
 * the month prior to printing. *
 * *
 * Pages 1Month 6Months 12Months*
 * *
 * 1/4 \$10.00 \$ 50.00 \$100.00 *
 * 1/3 \$15.00 \$ 75.00 \$150.00 *
 * 1/2 \$20.00 \$100.00 \$200.00 *
 * 1 \$25.00 \$125.00 \$250.00 *
 * 2 \$30.00 \$150.00 \$300.00 *
 * *****

NOTICE:

Artwork must be camera ready. All rates listed are per page or fraction thereof. Please enclose full payment with each ad copy. Absolutely no X-Rated Ads.



Changes abound this month at the 'CASTLE'. First, we finally got moved into the trailer. It looked a lot bigger that it actually was. Also, our list of advertisers is slowly growing and our subscribers list continues to grow. Don't ever forget to keep supporting our advertisers because they're the ones who'll decide how long we can keep our prices down on subscription rates. And don't ever forget our two BBS's that we keep for your convenience. We continue to need articles for the magazine so send them in soon. We are in desperate need of programs for the programmers corner. How about some OS-9 programs also. We always can use new subscribers so send us those names and show your copy around to the CoCo users you see. Remember send those articles, reviews, etc., for the magazine to:

"The WIZARD'S CASTLE"
 1737 Farmville Road
 Shelby, NC 28150

****ANNOUNCING**** the cover contest will be extended until May the 31st. I will be looking forward to some nice entries to the contest. Don't forget that the first place prize is a copy of DESKMATE for the CoCo 2. I hope everyone is already hard at work on their entry. Also, we are asking for more contest ideas. So far, not one reader, has given me even one idea. I know some of you have contest ideas so send them in today. So remember whether you have a cover for us or whether you have an idea for a contest, or whether you have a prize to donate, send it soon to:

--"The WIZARD'S CASTLE"
 C/O Cover Contest
 1737 Farmville Road
 Shelby, NC 28150

This months cover is the only cover that has come in so far. It is the first of many (I hope) that are going to be entered in this contest. I know you think sometimes that all I do is gripe, but when one person, alone undertakes such a huge task as this, he's going to need to gripe every so often. Oh yes, don't forget to put your FULL NAME on any item sent in to us. Whether you MAIL it in or whether you UPLOAD it to our BBS (The NEWSROOM). If you have recently sent something to us and you don't remember if you put your name on it or not, then write a quick note telling up what it was, and giving us your name. Thanks again for helping me continue this growing publication.

Remember one man alone can not put out a publication as 'GREAT' as this one. Thanks again.

--The WIZARD

letters letters



to the editor

This is a column which will include letters written to the Editor which may have to be slightly edited due to space. Other than this the letter will be printed as it appears.

Dear Wizard,

A friend introduced me to "The WIZARD'S CASTLE", and I thought it was FANTASTIC!! A GREAT magazine! I am enclosing my subscription fee. Please start it as soon as possible. Thank you.

Signed,
Can't Wait in DE

Dear Wizard,

Here is the \$10 for a years subscription to your DEVASTATING magazine!!! I'd like you to put this under your pencil pals area of the mag. Thanks WIZ.
P.S. Please send my subscription VERY...FAST because I can't wait to get my hands and eyes on the next copy of your magazine. Also send a sample copy of your magazine to my friend.

Signed,
Hurry UP in TX

Dear Wizard,

Find enclosed a money order for \$10.00 for your monthly magazine "The WIZARD'S CASTLE". Thank you

Signed,
New Reader in AZ

Dear Helping,

Sure, we need help all the time
Just write up the article/note/review and send it in. --The WIZARD

Dear Wizard,

Enclosed is my check for \$10 so I can receive 12 POWER PACKED issues of "The WIZARD'S CASTLE" magazine as offered in your ad in the 3/88 issue of DCN. Looking forward to your publication. Sincerely.

Signed,
Looking Forward in MO

Dear Wizard,

I can't tell you how happy all us CoCo user's are to finally see a new magazine for the CoCo. Well I think it's LONG OVERDUE!!! I have had a subscription to Rainbow for 5 years now & have watched it go downhill like Hot CoCo did. Well could you please send me a 1 year subscription, and could you also send a SAMPLE COPY to:.
P.S. Would you please list my BBS also.

Signed,
Elated in Canada

Dear Wizard,

I just couldn't wait to send my \$10 for a 1 year subscription for your mag "The WIZARD'S CASTLE". I can't wait to see what this next months issue holds in store. Are you still needing input for your magazine? And if so, what kind?

Signed,
Helping in OK

DOES
THIS NEWS
JUST TICKLE YOUR
EAR?

REMUSIC 1.0 is here!

REMUSIC is a versatile, programmable music synthesis software package requiring only a 16K disk-based CoCo(32K recommended).

Enter musical data as BASIC program REM statements -- no graphic interface is used.

Once loaded, REMUSIC keeps a low profile as you roll merrily along in BASIC. Here are a few of

REMUSIC's powerful features:

- *Four independent voice tracks
- *Definable and dynamically assignable tone waves and amplitude envelopes, allowing such effects as decay, vibrato, and tremolo
- *Music plays through TV or monitor speaker
- *Nestable multiple music repeats with the option of different endings
- *Key signature and two different transposition modes
- *Ability to mathematically link repeat iterations with such functions as transposition, octave, tempo, waveform assignment and subordinate repeats and endings
- *Ability to convert music to independent machine-language programs for use in your own programs
- *Since music source files are actually BASIC programs, they can be edited and merged as other BASIC programs can.

Package includes program diskette, sample music files, and documentation.

Send check or money order for \$25.00* to:

CODIS ENTERPRISES
2301-C CENTRAL DR., STE. 684
BEDFORD, TX 76021

*Texas residents add \$1.75 sales tax.



Get a REMUSIC demo for \$2.00

Since the benefits of REMUSIC 1.0 must be heard to be appreciated, CODIS ENTERPRISES offers a diskette containing a sampling of the quality of music of which REMUSIC is capable. Best of all, it requires no additional hardware. To receive this audition, send \$2.00 to CODIS ENTERPRISES for the demo disk and a coupon entitling you to a two-dollar discount on REMUSIC 1.0.

```

*****
*
* Name _____ Mail to:
*
* Address _____
*
* City _____ State _____ Zip _____
*
*
* CODIS ENTERPRISES
* 2301-C CENTRAL DR.
* STE. 684
* BEDFORD, TX 76021
*
* Please send me  the REMUSIC demo disk for $2.00*.
*  REMUSIC 1.0 for $25.00*.
*
* Enclosed is a check or money order for $ _____.
*
* *Texas residents add 7% sales tax.
*
*
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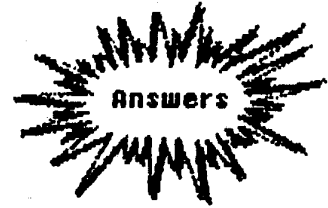


questions

for



"the wizard"



Here is where you can consult the 'WIZARD' on any and all problems you might have if he can't help you he will be honest and tell you so. But who knows he may be the one who can solve that big problem that has been bothering you for ages.

Dear Wizard,

I have lots of pictures good for the cover, but I'm still waiting for my disk drive. So couldn't I send some on tape and you could transfer it to disk?

Signed,
Wondering in EGYPT

Dear Wondering,

Yes, you, and any of our other readers can send pictures in on tape. We prefer it on a disk but we need covers so bad we'll take anything we can get. I will look forward to receiving your graphics in the near future.

Signed,
The WIZARD

Dear Wizard,

I mailed you a 'REVIEW' several months ago and I still haven't saw it in the magazine. Was some thing wrong with the review? Or are you that backed up?

Signed,
Been Looking in FL

Dear Been Looking,

No nothing was wrong with your review, and yes, we are a little backed up but that's the way we like it so keep sending them in.

Signed,
The WIZARD

Dear Wizard,

Recently I bought a CoCo 3 and I have had trouble getting 'Disk Omniclone 2.2' to work properly. It will load up okay but as soon as I try to make a copy of something the disk drives motor will start up and continue to spin, & the computer locks up. Can you offer a patch or any other solution?

Signed,
Helpless in OH

Dear Helpless,

Truthfully, I'm so busy with the magazine that I don't have time to keep up with all the 'NEWEST' patches for all the old programs and games. Hopefully some of our other readers might know of the patch. So how about it readers?

Signed,
The WIZARD

Dear Wizard,

Did you ever get moved into the trailer you told us about?

Signed,
Curious in LA

Dear Curious,

Yes I finally got moved out here & I'm typing this up now in our new offices. Thanks for asking and keep writing the letters.

Signed,
The WIZARD

LOOK at what's new for your Color Computer...

Phoenix Labrynth

It is YOUR destiny to assemble a brave group of adventurers and enter PHOENIX LABRYNTH! Lead the search for riches and glory in a world where only the best survive by use of strength, sorcery, and strategy. Use the unique skills of your players and the wide range of weapons and armor to defeat your opponents and gain experience and gold. Entering the Labrynth will be easy, but finding your way back will be hampered by dangerous creatures and traps, not to mention the complex tunnels and passageways. Let the bold and brave step forward to challenge the Labrynth!

\$1995

- Exciting color and sound effects •
- Watch as your players gain strength, riches, and powerful magics •
 - Up to 40 detailed characters saved to disk •
- Choose from 4 professions, each with highly developed skills •
 - Clerics to turn the undead and heal the wounded •
 - Wizards to employ powerful sorcery against your opponents •
 - Fighters to help battle the cunning monsters •
 - Thieves to remove the deadly traps in the Labrynth •
 - Different Labrynth each time you play •
 - Dozens of creatures to challenge your every move •
- Magical swords, staves, potions, wands, rings, and much more •
 - Up to five players may participate in each adventure •
 - Full documentation booklet included •

32k ECB
Disk/Tape

BASIC PROGRAMMER HELPER

Contains dozens of short programs designed to enhance amateur programmer's work. This package contains many ways to brighten up your programs and also comes with routines which are difficult or tricky to create. The routines in the BASIC programmer helper are fully documented and easy to use in your own works. This package is a MUST for beginning programmers, or a helpful tool for those with more experience. Included in the package are fancy ways to display text, programs that help work with disk files, working with large amounts of variables, and much, much more!



Disk Only

*** 995**

SLANG

This exciting word game has finally gone CoCo! Great for parties or just plain fun. Enter your own words into the computer and it uses them to create hilarious stories. SLANG is a wonderful game for children and friends, and can also satisfy the adult humor in all of us. SLANG creates your own personalized funny stories. SLANG stories can be put on paper through your printer, too, if you have one. Below are some titles which SLANG will let you choose from:

Flintstones	Olympics
Miami Vice	Psycho
Shark Attack	Beach Party
Hotel	Top Rank Boxing

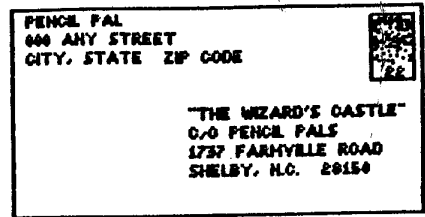
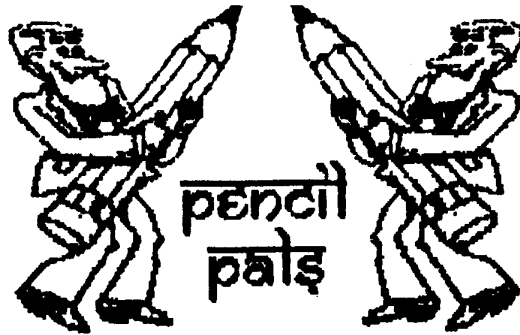
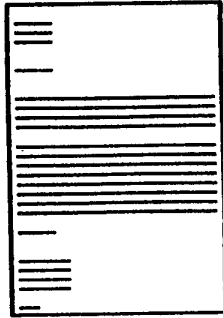
And many others!

Disk Only

\$ 995

S. B. SOFTWARE
2420 Salem Ct.
Bettendorf, IA 52722

Iowa res add 4% sales tax
All orders add \$2 shipping
Order 2 items, take 10% off total



This is for readers from all over the world to write to other CoCo Nuts from all over. Feel free to write to anyone listed on this page. They may want to trade ideas, programs or may just want someone to write to.

My name is Jarrett Feeman. I own a CoCo 2, 2 joysticks, cassette recorder and lots of tapes. I'm looking for a Pen-Pal who likes adventure games.

--Jarrett Feeman
115 Mountville Drive
Lebanon, PA 17042

My name is Remon Samy Ebrahim. I live in EGYPT and I'm looking to find some Pen-Pals. I have a lot of programs. I just lost my best penpal and I'm looking for another. Please Write!!!!

--Remon Samy Ebrahim
8 Aziz Fahmy Street
Tanta, EGYPT

My name is Andrew Cooper and I'm looking for Pen-Pals anywhere in the U.S.A. I have a 64K CoCo 2, disk drive and lots of software.

--Andrew Cooper
311 Fern Drive
Atco, NJ 08004

My name is Steven McRoberts, AKA 'Quicksilver'. I have a 64K CoCo 2, with disk drive and cassette. I am interested in all areas of programming, games, utilities, assembly language programming, & disk operation. All letters will receive some response.

--Steven McRoberts
Route 1 Box 69
Monroe, VA 24574

What's the computers favorite song?

"Thanks for the MEMORY"!

--Bob Mart

My name is Roderick Clark and I'd like to have some 'pen-pals' from anywhere who has a CoCo 3. I have a CoCo 3, DCM-3 modem, FD501 disk drive and several games etc., for the CoCo 3! Please Write me!!!

--Roderick Clark
15215 Chase Ridge
Missouri City, TX

77489

My name is Stuart Cash. I have a CoCo 2, disk drive, and a DMP-105 printer. Also a lot of programs. I would like to have Pen-Pals who will exchange any type of program

--Stuart Cash
716 Elinor Street
Chattanooga, IN 37405

My name is Brad Bansner. Hello.. Anybody out there into graphics?? I have lots that I made, and have been published in CoCo Gallery a few times. I also have lots of games, etc.....

--Brad Bansner
2006 Apple Place
Wyomissing, PA 19610

My nickname is the Miner 49er. I have a CoCo2, a disk drive, a DMP-130 printer and lots of programs. I would like to have Pen-Pals to exchange programs and ideas.

--The Miner 49er
C/O Lance Frady
UNCC
208 Hawthorn
Charlotte, NC 28223

More PENCIL-PALS

Here are more readers from all over the world who want other CoCo Nuts from all over to write to them. Remember, feel free to write to anyone listed here. They may want to trade ideas, programs, or they may just want someone to write to.

Hi, my name is Dave Howe. I have a CoCo2, CoCo3, 6 disk drives, a printer, monitor, and modems. I would love to have Pen-Pals from all over the world to trade with. I am 20 years old and run a BBS. If you would like to write or to call my BBS. Then go for it!

--Dave Howe
94 Wilkes Street
Brantford, Ontario
Canada N3T 4W1
BBS # 1-519-753-3499
300/1200 baud 24 hrs

My name is Ariel Bensimon. I have a CoCo2, CoCo3, and a disk drive. I will be happy to exchange with anyone who wants. Please help me I just recently got my disk drive and there's not much help available here in ISRAEL. Any help you can be will be greatly appreciated. Sincerely yours, Ariel.

--Ariel Bensimon
Emek Hefer 98/6
Natanya, 42220
ISRAEL

My name is Joseph(Joey) Vaughan. I have a 64K ECB Color Computer II, cassette recorder, RS Speech Sound Pak, an Orchestra 90 Pak, Modem, and lots of programs and ideas to exchange with other readers.

--Joey Vaughan
Route 2 Box 130
Bronson, TX 75930

My name is Danny Mote. I have a 64K CoCo2, 2 drives, Super Voice, EARS, RS232 Pak, Modem, DMP-105 printer and hundreds of programs. I am interested in exchanging any ideas or programs, and especially educational programs, or programs that use Super Voice or EARS.

--Danny Mote
Route 2 Box 2782
Demorest, GA 30535

Hi, my name is Ian Boisvert. I am 14 years old. I have a 128K CoCo 3, 1 disk drive, and a DMP-105 printer. If anyone wants to trade programs or just talk, you can write to me.

--Ian Boisvert
Box 259
Burstall, Saskatewan
Canada S0H 0H0

My name is Nila Grose. I have an MC-10 computer, a TP10 printer, a disk drive, a DMP-105 printer, a multi-pak, a cassette recorder, a Tandy 2000, a monochrome monitor, and a DWP-230 printer. I am trying to find some Pen-Pals who are interested in exchanging ideas & programs with.

--Nila D. Grose
R.D. #1 Box 173A
Manheim, PA 17545

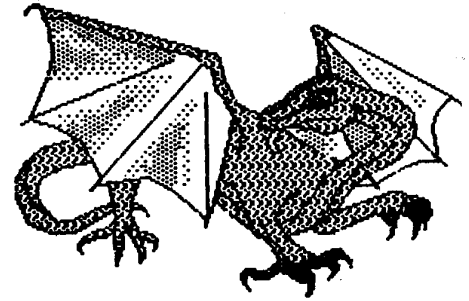
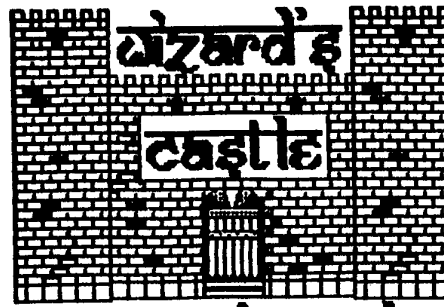
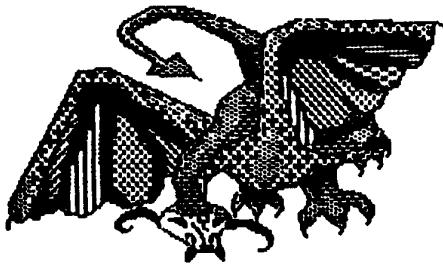
My name is Jim Ambrose. I live in Florida and it seems that nobody owns any CoCos down here! I need a Pen-Pal. I own a CoCo2&3, 4 drives, printer, and have lots and lots of software!!

--James P. Ambrose
4603 Bayshore Drive
Apartmnt F-1
Naples, FL 33962

My name is Larry Haines. I own a CoCo1 and an MC-10 (CoCo's little brother). I've software that will convert lots of CoCo Programs to run on an MC-10 and vice versa. I also have an MC-10 User's Group. Anyone interested can write to me (Postage Appreciated) at:

--MC-10 IC Users Group
East 2924 Liberty Ave
Spokane, WA 99207

Wanted: Small jokes or riddles to fill up these little holes.



scoreboard

Come on REAL CoCoNuts, show us your stuff. This is a place for your top scores. We will accept as many as we have room for each month. So pull your favorite's out of the 'moth-balls' and give us your best. No fair using doctored copies of games. Try to beat the HIGH scores this month and next month you may be the 'BIG CHEESE'. Send your initials in also.

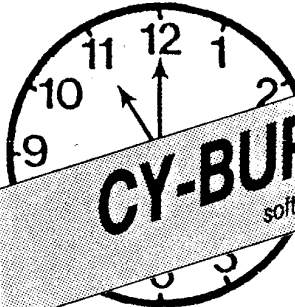
F-16 ASSAULT	65,300	REX	SHOCK TROOPER	37,000	BLW
F-16 ASSAULT	56,500	SAC	SHOCK TROOPER	24,375	AIR
F-16 ASSAULT	48,835	JJW			
F-16 ASSAULT	31,460	DLP	DEVIIOUS	343,050	REX
F-16 ASSAULT	25,625	WIZ			
			DEATH TRAP	68,322	WIZ
ROLLER CONTROLLER	123,650	WIZ	DEATH TRAP	57,666	WIZ
POOYAN	61,200	WIZ	DOWNLAND	65,140	WIZ
POOYAN	59,800	SAM	DOWNLAND	38,280	SAM
CRAZY PAINTER	8,950	WIZ	COLOR CAR ACTION	14,221	EDJ
			COLOR CAR ACTION	9,565	BRI
LE-MANS 78 LEVEL 11 TRACK 2		JIM	COLOR CAR ACTION	6,433	WIZ
FOODWAR	48,315	WIZ	JUNIOR'S REVENGE	17,700	WIZ
RADIO BALL	891,900	SAM	BUZZARD BAIT	213,850	DLP
RADIO BALL	720,050	WIZ			
RADIO BALL	425,350	SAM	SPEED RACER	65,010	DLP
DECATHLON	10,106	DLP	KUNG FU DUDE	62,000	JPA
DECATHLON	9,216	JWJ			
DECATHLON	8,706	WIZ	GAUNTELET	1,224,190	JJW
DECATHLON	7,926	DER	GAUNTELET	1,094,280	DLP
VARLOC	1,968	DLP	ARENA OF DEATH	62,710	WIZ
VARLOC	1,850	SAM	ARENA OF DEATH	52,695	WIZ
ZAXXON	112,000	N?S	DOUBLEBACK	56,200	WIZ
ZAXXON	91,800	D?S	DOUBLEBACK	36,000	A?A
ZAXXON	69,300	DOG	DOUBLEBACK	33,010	SAM
ZAXXON	28,900	SAM			
			BALLOON	3,700	SAM
DESERT RIDER	72,311	DLP			
DESERT RIDER	20,411	SAM	DESERT PATROL	313,600	GRW
			DESERT PATROL	105,250	GRW
BREWMASTER	26,150	DLP	GOLDRUNNER I	348,300	JFB
BREWMASTER	13,125	JWJ			
			GOLDRUNNER II	428,150	JFB
LUNAR ROVER	22,400	SAM			
LUNAR ROVER	9,600	SAM	LUNCHTIME	57,200	SAM
			LUNCHTIME	44,550	SAM

More of Wizard's Castle Scoreboard

Here are even more of the Scoreboard listings. Come on CoCoNuts I want to see your all time best scores. Lets see if we can't fill up both of these pages before the next issue comes out.


MR. DIG	1,217,400	SAC	STELLAR LIFELINE	19,560	D?S
MR. DIG	1,000,669	SAC	STELLAR LIFELINE	2,500	WIZ
MARBLE MAZE	34,040	JJW	CLOWNS&BALLOONS	27,100	WIZ
MARBLE MAZE	32,490	D?S	CLOWNS&BALLOONS	22,900	D?S
CATCH 'EM	59,277	JWJ	OUTHOUSE	32,750	RWR
			OUTHOUSE	32,482	WIZ
STRONG HOLD	193,440	WIZ	CRYSTAL CASTLES	532,808	WIZ
STRONG HOLD	180,520	CEQ	CRYSTAL CASTLES	112,873	SAM
PAPER ROUTE	160,200	WIZ	BEAM RIDER	42,110	WIZ
PAPER ROUTE	124,950	DLP			
PAPER ROUTE	9,150	D?S	PEGASUS	56,100	JJW
SAILOR MAN	501,300	DLP			
SAILOR MAN	366,200	JJW	PYRAMIX	51,120	WIZ
SAILOR MAN	99,800	DOG	PYRAMIX	47,950	WIZ
KNOCKOUT	141,780	WIZ	PYRAMIX	42,810	WIZ
KNOCKOUT	109,750	REX	PYRAMIX	39,510	EDJ
KNOCKOUT	79,590	EDJ	PYRAMIX	38,720	WIZ
GOLD FINDER	51,125	DOG	BIRDS	123,750	WIZ
GOLD FINDER	22,850	EDJ			
GOLD FINDER	22,350	SAM			
WARP 3D	17,590	WIZ			
POLTERGEIST	1,695	JBF			
7 CARD STUD	2,571	JBF			
DOODLE BUGGY	48,370	SAC			
FLIPPY THE SEAL	21,815	DLP			
FLIPPY THE SEAL	11,625	DOG			
CANYON CLIMBER	33,400	SAM			
MEGA-BUG	4,637	SAM			
MUDPIES	113,000	DLP			
MUDPIES	23,600	GRW			
DEMON ATTACK	16,320	D?S			
PROTECTOR	80,850	DOG			
PROTECTOR	37,575	JOA			
ELIMINATOR	3,710	JOM			

Remember no scores will be listed for a *DOCTORED COPY*



CY-BURNET-ICS
software for kids

3 + 4



—Dual Program Specials—

- TIME/MONEY \$39.95
- ADDITION/SUBTRACTION \$39.95
- MULTIPLICATION/
BEAT THE COMPUTER \$21.95

supports CoCo 1, 2, & 3
 specify cass/disk/Network II
 school P.O.s welcome
 add \$2.00 shipping and handling
 Network orders add \$10.00 per disk
 Write for Free Catalog

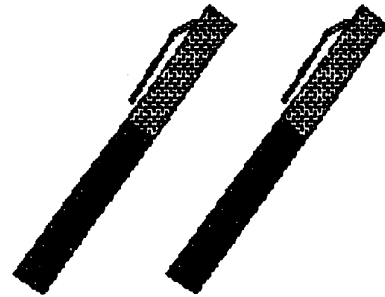
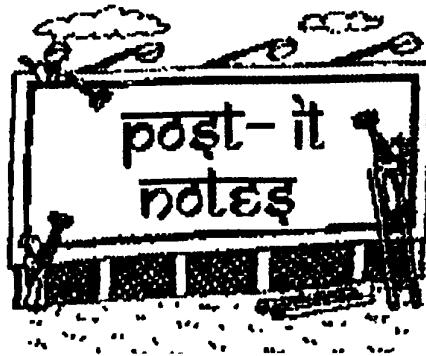
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whatever you want
to say just write
it on a convenient
post-it note.



This is where you can write a note to a fellow reader or just make a brief comment about something. You can use this area like you would use a bulletin board. Put a note about a new 'BBS' or comment on someone's program. Or just write a little note to someone else. It will be up to you to see that this area of the newsletter stays full. So "REACH OUT" and write a note today.

Readers,

A little reminder for all of you game players to catch "The Arena of Death" while it's HOT!! Also a special hello to Terry Laraway David Jolley, and most of all - The WIZARD himself -Bobby Queen. May "Lord Death" help you in your time of need...

--Knowledge Brokers

J. Vaughn,

Thanks. I'm thinking about the offer, and I'll get back to you on it.

--Joey Vaughan

Biker,

How's this?

--Joey Vaughan

The Source,

See you at Tandyland, sometime!

--Joey Vaughan

John Onken,

Go ahead and send the review on 'Sub Battle'. Thanks in advance.

--The WIZARD

The Source,

I'll send it soon, so be on the lookout for it.

--The WIZARD

Wanting to help in TX,

Please send me the names and the addresses of the too professional and the 'down right corny' CoCo newsletters you mentioned in your letter in the March issue.

--Bill Garretson
828 Gregory Avenue
Bedford, TX 76022

Readers,

If you have a CoCo 3, then here's a patch for CoCoMax II. CLEAR 200,&H3FFF:LOADM"COCOMAX":POKE&H53FB,&HFE:POKE&H53FC,&HEF:SAVEM"COCOMAX",&H4000,&H7FFF,&H492B

--David Jolley

Scott Enman,

Send me a list of the prices on the items you have remaining, I'm especially interested in the Monitor, the modem, disk drives, and software. Thanks.

--Andrew Wiest
3590 Abbeville Hwy.
Anderson, SC 29624
(803)296-4891

Readers,

DCM-3 Modem for sale. 1 Drive #1 needed for BBS. Co-Author of game needed-Experience mandatory--This one's headed for \$\$\$ Contact:

--John Beck
3513 Terrace Drive #D
Suitland, MD 20746

Even more Post-It notes

Here are even more notes that were posted this month. Thanks to you we are really keeping this section full and growing. Remember, now "REACH OUT" and write a note today.

Reader in EGYPT,

To make your drives run at 6ms, you don't necessarily need to have EPROMS burned (although it is handy to do it this way). Here is a method of accomplishing it without EPROMS. First, you need at least 64K of memory. Next, if you have a CoCo 1 or 2, you must enter the All RAM Mode (copy ROM to RAM). If you have a CoCo 3, you don't need to do this. To enter the All RAM Mode, type in the following routine and RUN it

```
10 CLEAR999:FORX=1TO21:READA:AS$=
AS$+CHR$(A):NEXTI:P=VARPTR(AS$)+1:P
OKEP,126:EXEC
20 DATA26,80,190,128,0,183,255,2
22,166,128,183,255,223,167,31,14
0,224,0,37,241,57
```

Now, if you have DOS 1.1, enter POKE55232,0:POKE55318,20. If you have DOS 1.0, enter POKE54989,0:POKE55075,20. That's it. Your drives should now operate at six ms. If you get I/O ERRORS, you may need to go with a slower rate. For 12ms, use a value of 21 in the last 'POKE' of each of the above commands (ie: the last 'POKE' for DOS 1.1 would become POKE55318,21 & the last one for DOS 1.0 would be POKE55075,21). Use 22 for 20ms, & 23 for 30ms. You will have to enter the 'All RAM Mode' and do the appropriate POKES everytime you power up. If you press RESET when in the 'All RAM Mode', the CoCo goes back to normal. To get back to the 'RAM Mode', enter POKE&HFFDF,0. The 'All RAM Mode' will allow you to change other features on your CoCo with appropriate POKES.

--Andrew Bartels
President
Digital Innovations

Hey CoCo Nuts,

I am looking for an old silver CoCo 1 in "MINI" condition. Write and let me know. Be reasonable!! Anything from 4K up. I prefer the chicklet keys! Again, in working good shape! Write me!

--C.A. Bailey
1107 Clingan Ridge
Cleveland, IN 37311

Programmers,

We are in desperate need of some good programs for the magazine. I will be looking forward to receiving some soon. Thanks again.

--The WIZARD



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CoCo
1, 2, & 3

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7	15	23	31	39	47	55	63			
8	16	24	32	40	48	56	64			
PLEASE CIRCLE TAPE or DISK										



Here is where all you amateur programmers get to "SHOW US YOUR STUFF" . The 'MAIN' requirement for this section is that the program not be too extremely long. Also the program needs to be sent in on disk. Have fun and SHOW OFF!

PICTOOLS

```

1 REM PMODE GRAPHIC UTILITIES
2 REM BY ERIC STRINGER (C)1987
3 REM *****
4 REM LINE 5 SHOULD BE AT THE BE
  GINNING OF ANY PROGRAM USING THE
  SE ROUTINES...
5 DIM GL(64),GR(64)
10 PMODE 4,1:SCREEN1,1
15 PCLS 1
20 CIRCLE(128,95),30,0,1:POKE178
  ,1:PAINT(128,95),,0
25 DRAW"COBM128,95;G6OND5NL5E120
  NL5ND5"
60 I$=INKEY$:IF I$>"3" OR I$<"1"
  THEN 60
65 ON VAL(I$) GOSUB 100,200,300
70 GOTO 60
100 REM MIRROR SCREEN
105 FOR X=0 TO 127
110 GET(X,0)-(X,191),GL,G
115 GET(255-X,0)-(255-X,191),GR,
  G
120 PUT(X,0)-(X,191),GR,PSET
125 PUT(255-X,0)-(255-X,191),GL,
  PSET
130 NEXT X
135 RETURN
200 REM UPSIDE DOWN SCREEN
205 FOR Y=0 TO 95
210 GET(0,Y)-(255,Y),GL,G
215 GET(0,191-Y)-(255,191-Y),GR,
  G
220 PUT(0,Y)-(255,Y),GR,PSET
225 PUT(0,191-Y)-(255,191-Y),GL,
  PSET
230 NEXT Y
235 RETURN
300 REM INVERT SCREEN
305 FOR Y=0 TO 191 STEP 4
310 PUT(0,Y)-(255,Y+3),GL,NOT
315 NEXT Y
320 RETURN
325 END

```

DODGE

```

1 '*****
2 '*          DODGE          *
3 '* USE THE ARROW KEYS TO MOVE*
4 '* LEFT&RIGHT.  AVOID THE J'S*
5 '* AND HIT THE O'S.      *
6 '*****
7 ' THIS PROGRAM BROUGHT TO YOU
8 '   BY:  STEVEN MCROBERTS
9 '       RT1 BOX 69
10 '       MONROE, VA 24574
11 ' ANYONE WANTING TO EXCHANGE
12 ' PROGRAMS JUST DROP ME A
13 ' LINE.....
15 M=5
20 CLS:A=1039
30 POKE A,35
40 AS="":P$="":FOR J=1 TO 5:B=RN
  D(4):FOR C=1 TO B:AS=AS+" ":NEXT
  C
50 B=RND(4):IF B=1 THEN AS=AS+"O
  " ELSE AS=AS+"J"
60 P$=P$+AS:AS="":NEXT J
70 REM
80 PRINT P$
90 G$=INKEY$:IF G$=CHR$(8) THEN
  A=A-1 ELSE IF G$=CHR$(9) THEN A=
  A+1
100 IF A<1024 OR A>1055 THEN A=1
  039
110 IF PEEK(A)=74 THEN 150
120 IF PEEK(A)=79 THEN SC=SC+1
130 FOR T=1 TO 150:NEXT T
140 GOTO 30
150 M=M-1:IF M<1 THEN 190
160 SC=SC-1:PRINT"SCORE IS "SC"
  MEN REMAINING"M
170 FOR C=1 TO 555:NEXT C
180 GOTO 40
190 PRINT"GAME OVER"
200 PRINT:PRINT"YOUR SCORE IS"SC
210 INPUT"WOULD YOU LIKE TO PLAY
  AGAIN";R$
220 IF R$="Y" THEN SC=0:M=5:GOTO
  20
230 END

```


DYNAMIC COLOR NEWS (DCN)

Color Computer Magazine

We are now in our fifth year. The purpose of DCN is to provide instruction on Basic and Machine Language Programming, Computer Theory, Operating Techniques, Computer Expansion, Product Reviews, New Products plus provide answers to questions from our subscribers. Included in each issue are Basic and Machine Language programs plus editorials on various computer subjects. Did you know that the joystick port can be used for many hardware applications such as digital voltmeters and thermometers? We showed how to build these in recent issues. We ran a series showing how EPROMS can be used for containing data and programs? Due to popular demand a Ham Radio section is included. DCN is written in a non technical style and is designed to be a learning tool.

Some topics covered are:

- | | |
|-------------------|-----------------------|
| * CoCo 3 | * OS-9 |
| * Graphics | * Uninterrupted power |
| * Vectors | * Stacking Programs |
| * ASCII | * Memory Expansion |
| * Interrupts | * Machine Language |
| * Random Numbers | * Restoring Programs |
| * Ramdisk | * Editing Statements |
| * Data Sorting | * Basic Programming |
| * Memory Map | * Architecture |
| * Word Processing | * CoCo Heat Problem |
| * Morse Code | * Hardware Interface |
| * Joysticks | * Video Reverser |
| * Thermometer | * EPROMS |
| * Page -1 | * Ham Radio |
| * Graphics | * Assembly Language |

Some of the programs are:

- | | |
|------------------------|------------------|
| Electronic Billboard | Fast Food |
| Check Book | Utility |
| Gas Mileage | Sound Generator |
| Character Generator | Grade Book |
| Card Shuffling | Inventory |
| Word Processing | Graphics Draw |
| Alarm Clock | Bank Switching |
| Morse Code | Antenna Design |
| Money Chase (Game) | Graphics zoom |
| Address File with Sort | Terminal Program |
| Star Constellation | Loan Interest |
| Roulette (Game) | Chords (Music) |
| Duelling Cannons | Disk File |
| Program Restore | Lucky Money |
| Terminal Program | Invoice |
| Audio Frequency Gen. | Frequency Meter |

Dynamic Color News Subscriptions are
\$15/year, \$18 Canada, \$30 foreign.
FREE SAMPLE

Dynamic Color News is also available on disk or tape. Included are programs and editorials. Subscriptions \$60/year or 6.95 each USA & Canada.

DYNAMIC ELECTRONICS
P. O. Box 898 (205) 773-2758
Hartselle, AL 35640

MEMORY MANAGER - a complete set of software for managing the second 32K memory bank in 64K computers. Run Basic programs in each bank or use the Ramdisk for program storage. \$19.95 Disk or Tape.

Upgrade CoCo-2 Computers with two 4464 chips to 128K with Memory Manager Software. MK-10A \$49.95

Upgrade 8-chip 4164 type 64K computers to 128K with Memory Manager software. MK-12 \$49.95

512K memory for color computer 3. Includes ramdisk software. \$89.95.

512K board with ramdisk software \$29.95

RAMDISK software for color computer 3. reduced \$15.95.

VIDEO REVERSER- Reduces eye strain by producing bright characters on a dark background. Minor soldering required. Not for color computer 3. \$9.95.

MEMORY SAVER - Battery backup prevents loss of programs due to power failures. For all models \$39.95

Dyterm-Terminal Program \$9.95
Disasm-Decimal 6809 Assembler \$9.95

DYPRINT - Print large signs or banners using standard print \$19.95

COLOR COMPUTER 2 KITS - Build your own 64K color computer 2. Sockets for all integrated circuits and a complete book of step by step instructions. \$59.95.

CC-TERM 2 - A dual thermometer that displays temperature in both Centigrade and Fahrenheit. 2 \$19.95.

HR-1 - A collection of 3 programs that allows Morse code practice, antenna design, and DX lookup program. \$11.95

MORSE TERMINAL - When used with an interface this program converts your color computer into a Morse Terminal. Instructions are included for building an interface with off the shelf parts. \$12.95

HAM LOG -Keeps a record of contacts. \$9.95

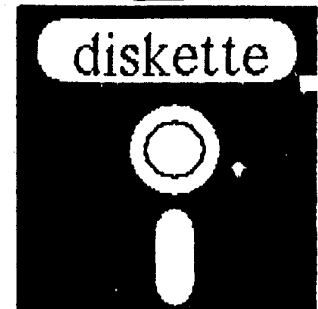
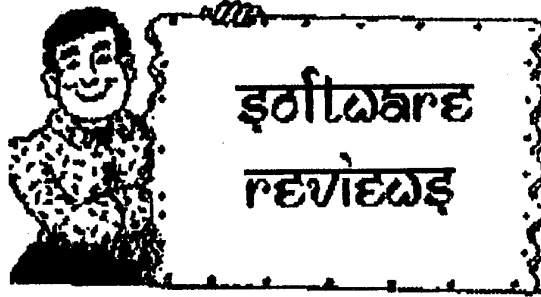
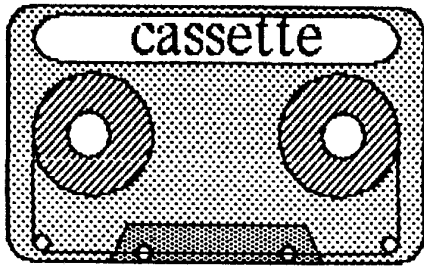
HAM RTTY - Uses cassette port. Requires simple interface. \$6.95

PUBLIC DOMAIN PROGRAMS - Call or write for free list. \$4.95 each

All programs are color computer 3 compatible unless indicated. Please specify tape or disk software.

Checks, VISA or MC, Add \$3 shipping.

DYNAMIC ELECTRONICS
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Here are REVIEWS of some of the 'NEWEST' programs and games. These will be wrote by different readers of the magazine each month. If you want to do a review go ahead and write it and send it in. I may edit it for space and might have to change it. Send reviews done with any 'ASCII' word processor. Disks can only be returned only if postage is provided.

REMUSIC is a program distributed by Codis Enterprises.

Those familiar with Hot CoCo magazine should easily recall a short program from years back by William Garretson that simulated brilliant fire works exploding against a black sky. It was amazing to see so many variations produced with such a brief number of lines. Well, folks, he has done it again. This time, he's transformed those throw away remarks statements or REM lines used to document programs into music. Hence the name, (REM+Music = REMUSIC). After reading only the first few pages of Remusic's thorough documentation, I listened to "Canon" and "Song". I then, listed the source code of both songs to my screen. This accomplished musician/programmer has again built something amazing with a minimum of program lines. Mr Garretson's influences of madrigal harmonies, choral arrangements, and classical compositions were evident throughout each of the 3 included melodies. I cannot conceive of anyone attempting to duplicate the sounds produced here using SOUND and PLAY statements, & I feel this program far surpasses ANY music utility I've ever worked with, in ease of use & realistic reproduction of multiple voices. With every reading of the manual, I grow more comfortable with Remusic's capabilities and operational commands. And, if an untrained, tone-deaf like me can enjoy this package, anyone should be able to. Due only to the limited number of compositions provided in this integrated software package, I rate it as a 9.6. Other than this, I have found no flaws with Remusic whatsoever. Remusic is truly a worthwhile investment, and its author is very professional and a person with whom business means courtesy.

Unknown (Reviewer) -- PLEASE include FULL NAME with REVIEWS!!

Screen Star is an OS-9 word processor that works on all CoCos. If you have a 512K CoCo3, however, you can access the Text Formatter (extra) & Spell Checker from within the editor. The manual gives full details on loading the program, changing defaults, copying the program to a Level2 disk (the program comes on a Level1 disk), & installing Screen Star on a hard drive. I found Screen Star very easy to use. The commands are entered by pressing <CTRL> or <ALT> (<CLEAR> or <@> on a CoCo 1 or 2) & 1 or 2 other keys. There are ten user-definable macros. Screen Star implements many of Word Star's functions, so if you already know Word Star, you will be able to use Screen Star without much difficulty. I was only able to find 2 drawbacks: Since Screen Star is in OS-9 format, you can not directly use it with other word processors in your system unless they too run under OS-9. Second, you must also purchase the Text Formatter for decent printouts. On a scale from 1 to 10, I would rate Screen Star a 7.

Ian Boisvert (Reviewer)



Here are reviews of everything from Joysticks to Computers themselves. If you have a review go ahead and write it and send it in. If you like it maybe someone else can benefit from your review. If you have a product that you would like to see reviewed just let us know and we'll try to find someone who has that product to do a review for the magazine. Who knows we might even save you from buying one of those "LEMON" products or one that you don't really need.

CC-THERM

CC-THERM is a digital thermometer for all CoCo's. CC-THERM 2 is a dual unit that can be used for measuring two different temperatures. For an example: You can place the 20ft long thermistor outside and the 10 foot long one inside and have an indoor/outdoor thermometer. Also it can be used to measure the temperature inside of your computer. The CC-THERM plugs directly into the 'RIGHT' joystick port and comes with software on disk & an instruction sheet which tells all about the units. If you have an extra CoCo sitting around or if you want to check the temperature occasionally then this product is perfect for you. I would recommend it in those cases. It's a neat little item to have around.

Bobby Queen (Reviewer)

Multi-Pak Interface

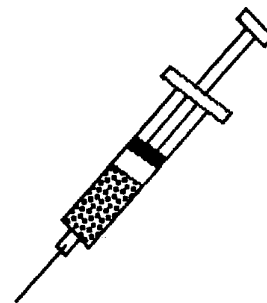
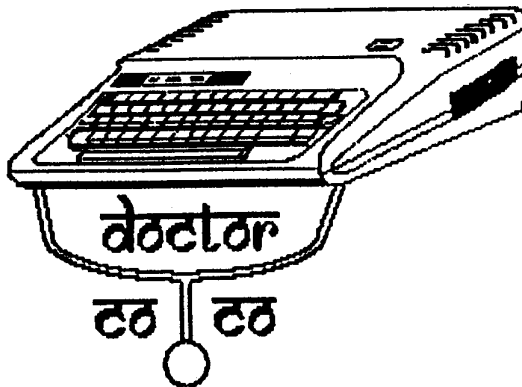
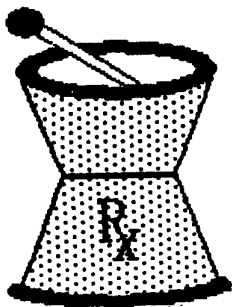
The Multi-Pak is very nice to have. The main reason is because you can switch between two to four cartridges while the computer is still on. I use mine mostly for switching between the Disk Drive Controller and the Speech/Sound Pak. I have heard stories about destroying both the computer & the Multi-Pak by shaking them too much but I have never had this problem. Some people have said that the Multi-Pak needs a pal chip that costs about \$8 for it to work with the CoCo 3, but mine works just fine without it. The Multi-Pak changes cartridges through the switch on the front or ith pokes. I highly recommend getting one if you can find one. Radio Shack has discontinued it.

Jonathan Wanagel (Reviewer)

All Readers,

We are getting desperately low again on Hardware Reviews, so hurry up!! Also, if you 'MAIL' in reviews to us, or if you 'UPLOAD' them to the NEWSROOM please make sure your FULL NAME is somewhere in the review.

Signed, The WIZARD



Here is a column dedicated to technical questions you may have concerning the electronics of the CoCo and its accessories. Your host is the always-in-demand man, Dr. CoCo!

Dear Dr CoCo,

This letter's in regard to your modification in the Feb 88 issue of the magazine. I'd like to point out that the black button on the RS Deluxe Joystick is programmable & that there are several OS-9 programs written utilizing this black button. For those who don't own a Coco 3, this is a good project to consider. But for us 3'ers, I wouldn't give up on that second relay yet. Signed, Del Scharff

Dear Del,

I should've known that I'd get caught on that one. Glad to see someone out there is reading my article. Thanks, for pointing out that tidbit. Also, while I was reading your letter, I had a brainstorm. Why not have the best of both worlds. It should be possible to use a double throw switch to switch the button between normal function and the second fire button. Readers, let me know if you are interested in me pursuing this project further. Signed, Dr. CoCo

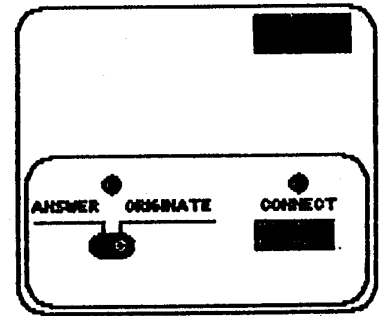
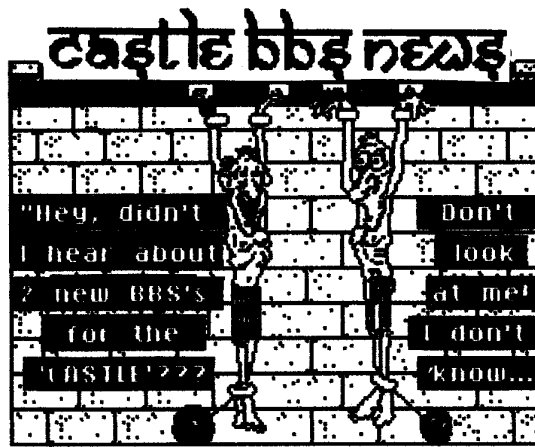
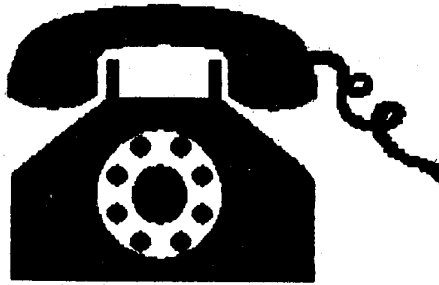
Dear Dr. CoCo,

I've been looking for a modem for the last few weeks, & I was wondering if you could recommend one, or tell me which one's to avoid. Also, what does Hayes compatible mean? Does that mean it'll work with a PC also? Signed, Andrew Wiest

Dear Andrew,

When looking for a modem, it is usually best to stay with a brand name. I know a lot of people out there just shook their heads, but let me explain. For people who have a limited electronics experience, a broken-down modem is not very funny. With a name brand, 9 times out of 10 you can get service on the unit. Plus, some companies such as Avatex offer a support line if you have operating problems. Now, shopping for your modem. This depends on what you will be using it for. As far as general communications, an Avatex 1200 is an excellent buy. It's small while at the same time, it won't put a strain on your pocket book. You usually can get one for under \$100. Now, for the rest of your questions. Hayes modems set the standard for modems in the industry. Period. They're some of the best money can buy. They don't come cheap. So, some enterprising companies saw the opportunity to "clone" Hayes modems. They're less expensive, yet perform close to a Hayes modem. We could go on for ever about communications formats, etc. but generally speaking, that's what 'Hayes compatible' means. As for a PC using them, that's what they are really made for. It just so happens that most computers can access the RS-232 port on the modem to use. The CoCo has to have a cable made to adapt it to the port but it's generally not a serious drawback.

Signed, Dr. CoCo



This is the column where you can learn about the latest happenings on "The WIZARD'S CASTLE" BBS's. You'll learn about uploads, downloads, news, & new functions on the BBB's. This column is written by Dr CoCo.

"The Wizard's Castle BBS" Sysop - Dr Coco #(704)937-7736

Greetings from the world of telecommunications, CoCo users. Here at the Wizard's Castle BBS, we are working hard on making this BBS the best in the CoCo world. We're looking at each and every suggestion you send us. We've had a few folks offering to help us with the software. I'm working to interface the hard drive we're building in Hardware Modification to the BBS. We are still working at getting a reliable 1200 baud system up for the board. Hopefully, we'll have 1200 baud up and running soon. Who knows, we may even try for 2400 baud. Let us know what you think. Remember, this BBS is for everyone, so pitch in your two cents worth. Every little bit helps. Those who have software suggestions please drop us a line on the board, or write C/O "The Wizard's Castle". Hope to see you online soon.

"The Newsroom BBS" Sysop - The Wizard #(704)434-2629

Here in the Newsroom, the Wizard is working his fingers (not to mention his CoCo's) to the bone processing the input all of you are sending in. He appreciates all the positive response he is receiving. As you can see, certain sections of the magazine are getting a little larger. This is due to your input. Please keep it up. Remember, this magazine relies on you for ideas and articles. So if you have an idea, review, etc. just give the Newsroom a call and upload it! The Wizard has a desperate need for covers right now & he especially wanted me to remind you to be sure your FULL NAME is on anything you upload, or in the case of a graphics file to leave a message telling who the file is from and what it is. He has one file uploaded early in April that he needs to know about. Enough about that though. Dr. CoCo (the one who's writing this) is working on the hardware for this BBS also. Hopefully, both of the BBSs will arrive at 1200 baud at the same time. Just keep your eyes peeled here for that announcement. Until then, see you online!

All Modemers,

Remember, both our boards are online 24 hours a day, 7 days a week, and are currently at 300 baud only. We hope to see you online soon!!

The WIZARD



This is the section dedicated to building and upgrading the computer we all have grown to love. Dr. CoCo is your host. Any suggestions for this article may be sent to Dr. CoCo C/O The Wizard's Castle.

Hello fellow users. Dr. CoCo heree again. Over the past few months, I have had quite a few questions thrown at me concerning hard drives. It seems that everyone thinks that they've to be a master of OS-9 to hook a hard drive up to a CoCo. I don't blame them. I used to think the same thing when I began using my CoCo. How envious I was that those PC's could access their information so quickly. So, when I began this column, I made a promise to myself. I was determined to find a hard drive system that anyone could use. I embarked on my search. I knew Radio Shack sold a hard drive interface, but no way to access it from Basic. I searched on. Well, a while back, I stumbled across a new ad. "Build an affordable Hard Drive system with our interface. Plus, access it from Disk Basic", it read. I looked again. I couldn't believe my eyes. A company had come to our rescue! I jumped on the phone, and placed my order. I have received it and will begin work on my hard drive system. I also decided to try something different. I'm going to build my system with you. We will assemble it and get it up and running together. The next couple of months will be dedicated to "The Hard Drive"!

Now I know you're asking yourself. What's the name of this company that has heard our cries for help? Well, it's a company by the name of Burke & Burke out of Palatine, IL (312)397-2898. This company is very helpful with your questions. They'll help you all they can.

Now for the materials needed. You might want to go ahead and order your controller and software now. They have two types. One is the CoCoXI and the other is CoCoXI-RTC. The major difference between the two is that CoCoXI-RTC has a real time clock, great for OS-9 users. Plus, for basic users, you'll need a copy of 'Hyper-I/O'. This is what makes our basic miracle possible.

We need to be sure that we have a Multi-Pak interface. This controller uses 12 volts that is available from the Pak. The CoCo's don't supply this voltage now. You need to be sure you have at least a 64k machine.

Let's go shopping. First, we need the hard drive. Many companies sell hard drive kits with controllers. This will probably be the way we need to go. You see the CoCoXI is an interface for a PC drive controller. If you decide to buy a hard drive package, be sure it has one of the controllers listed below:

Western Digital WD1002-WX1 (1/3 size card, MFM encoding)
Western Digital WD1002-27x (1/3 size card, RLL encoding)
Adaptec 2072 (1/3 size card, MFM encoding)

Hardware Modifications (con't.)

This is the rest of the project that was started on the preceding page. Remember Dr. CoCo is your host and any articles or suggestions for this column may be sent to Dr. CoCo C/O "The WIZARD'S CASTLE".

These controllers will fit inside of the CoCoXT and perform the best. Most of the drives you will see will be of the MFM encoding type. It's not recommended to use a RLL controller with a drive that is not certified for RLL encoding. Also be sure that the controller has a standard "ST-506" or "ST-412" connection. The CoCoXT is not compatible with SCSI or SASI controller. Also question the place you purchase your drive and controller from about cables. If they don't come with the package, you will have to purchase them extra.

Now, you have to purchase a case and power supply for the drive. Again, there are many companies that sell these. You need at least a 48 watt power supply to operate one full height drive. A 65 watt supply can run 2 half-height drives comfortably. Use these numbers when talking to a salesman about an enclosure. It is not recommended that a floppy power supply be used to operate a hard drive since the amperage & wattage are usually lower than the figures above.

So, go shopping and get your stuff. Next month, we'll start assembling the drive. If you have any questions, you can reach me on the "Wizard's Castle" BBS or by mail C/O The Wizard's Castle. So, until next month, keep on hacking!

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R/S MODEL 1 FOR PARTS	\$10.00
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! Programs !

New!! CC3 PAK

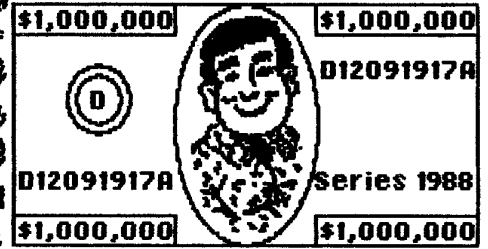
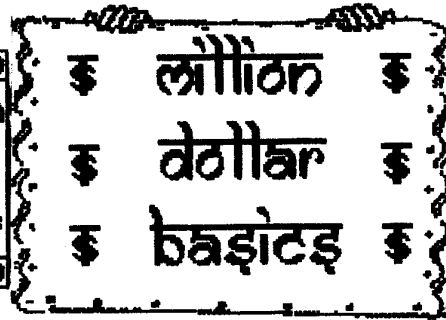
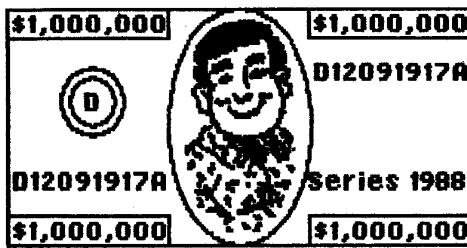
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All of you who wanted a Basic column now have got it. Please send all your questions, comments and problems relating to Basic programming to: John 'Million' Beck; C/O "The WIZARD'S CASTLE"; 1737 Farmville Road; Shelby, NC 28150. And now here's JOHN!

My original scheme was to spend 4 issues walking through 'Maximillian's Millions', but my recent address and marital status change used all the budgeted time I had allowed for writing those pieces. Which is good in a way. Now, you'll get the chance to get an overview of Max as a whole, tear it to shreds critically, & bark reviews and opinions at me in full force. And this, in turn, will give life to this new column. So far, 'The Source', (a trusted colleague), has given me very fair improvement criticisms, and was as blunt and honest as I expect you to be with me. Just remember, use enough courtesy to inspire the continuation of this feature. Above all, write soon. And now, here's Maximillian's Millions.

MAXIMILLIAN'S MILLIONS

```

0 REM MAXIMILLIAN'S MILLIONS
5 GOSUB350:S=1024:PRINT@103,"MAX
'S MILLIONS";:PRINT@310,"A GAME
BY";:PRINT@342,"JOHN BECK";:PRIN
T@374," (C) 1988";
10 FOR Q=70T085:POKE Q+S,36:NEXT
:FORQ=134 T0149:POKEQ+S,36:NEXT:
POKE1126,36:POKE1132,36:POKE1141
,36:PRINT@449,"DO YOU NEED THE I
NTRODUCTION?";:GOTO20
15 POKE113,0:EXEC40999
20 I$=INKEY$:IF I$="N"THEN40 ELS
EIF I$<>"Y"THEN20
25 GOSUB345:PRINT@32,"YOUR UNCLE
MAX HAS DIED, LEAVINGONE MILLIO
N DOLLARS BEHIND THAT HE WON AT
LAS VEGAS.
30 PRINT@160,"TO CLAIM THE INHER
ITANCE, YOU MUST PLAY A GAME H
E INVENTED, CALLED MONEY MATH
& DICE.
35 PRINT@288,"YOU BEGIN WITH $10
00 AND MUST REACH THE AMOUNT O
F ZERO. YOU MUST NOT GO BE
LOW ZERO.":GOSUB340
40 GOSUB345:PRINT@32,"WANT TO SE
E THE COMPLETE RULES?
45 I$=INKEY$:IF (I$<>"Y" AND I$<>
"N")THEN45 ELSEIF I$="N"THEN 60S
UB345:GOTO85
50 GOSUB345:PRINT@32,"IF YOU DO
NOT REACH ZERO, YOU TAKE HOME
NOTHING OF WHAT IS REMAINING,
```

```

BUT IF YOU GO OVER THE INITIA
L $1000, THAT IS ADDEDTO YOUR ST
ACK."
55 PRINT@256,"YOU HAVE 50 TURNS
TO COMPLETE THIS TASK. A TURN
CONSISTS OF THE ROLLING OF TWO
DICE, AND DETERMINING WHICH
WILL BE THE MATHEMATICAL FUNCT
ION, AND WHICHTHE NUMBER.":GOSUB
340:GOSUB345
60 PRINT@38,"dice functions"
;:PRINT@70,"roll performed";
65 PRINT@102," 1 - - - MULTIPLY"
;:PRINT@134," 2- - -ADD";:PRIN
T@166," 3 - - - DIVIDE";:PRINT@1
98," 4- - -SUBTRACT";
70 PRINT@230," 5 - - - DIVIDE";
PRINT@262," 6- - -SUBTRACT";
75 PRINT@320,"EXAMPLE: IF YOU RO
LLED A THREE AND A FOUR, YOU CO
ULD EITHER DIVIDE BY FOUR , O
R SUBTRACT $3 FROM THE STACK.
":GOSUB340:GOSUB345
80 PRINT@32,"YOU GET A BONUS ROL
L IF YOU ROLLDOUBLES, AND EVERY
THIRD SET OF DOUBLES EARNS YOU F
IFTEEN EXTRA ROLLS.":PRINT@256,"
YOU CAN ADD TO THE TOTAL, BUT
THE LIMIT IS ONE MILLION.":GOSUB
340:GOSUB345
85 PCLEAR 8:CLEAR2000:DIM G$(6):
G$(1)="MULTIPLY CASH BY ":G$(2)=
"INCREASE WITH $":G$(3)="DIVIDE
```

```

CASH BY ":G$(4)="DECREASE TOTAL
BY $":G$(5)=G$(3):G$(6)=G$(4):M=
1000
90 MA=M*10:RA=50:XR=0:GOSUB350
95 Z=127+(F*16):PRINT@39,"("RA"R
OLLS LEFT)";:PRINT@103,"CASH ON
HAND";:M=FIX(M):PRINT@225,STRING
$(30,Z);:PRINT@289,STRING$(30,Z)
;:PRINT@353,STRING$(30,Z);:PRIN
T@417,STRING$(30,Z);
100 PRINT@167,USING"#####.##
";M;:GOSUB320:IF M=0THEN 255
105 PRINT@453,"TAP ANY KEY TO RO
LL";:EXEC44539:PRINT@453,"HERE 6
OES THE FIRST DIE";:FOR TH=1T046
0*5:NEXT:GOSUB115:A=AA:SOUND90,B
:EXEC44539
110 PRINT:GOSUB345:PRINT@32,"YOU
R FIRST ROLL WAS"A.":PRINT@192,
"TAP ANY KEY FOR ROLL 2.":EXEC44
539:GOSUB115:SOUND 90,8:B=AA:EXE
C44539:PRINT:GOSUB345:PRINT@64,"
YOUR SECOND ROLL IS "B.":RA=RA-
1:GOSUB340:GOTO295
115 REM DRAW DICE ROLL
120 PMODE4,1:PCLS:SCREEN1,1:FOR
S=1T045 STEP3:S$="S"+STR$(S)+";"
:DRAW S$+"BM123,106:C1U3R3D3L3":
EXEC43345:DRAW S$+"BM123,106;COU
3R3D3L3":EXEC43345:NEXTS:DRAW S$
+"BM123,106:C1U3R3D3L3"
125 AA=RND(6):ON AA GOTO 130,135
,140,145,150,155
```


Million Dollar Basics (con't.)

This is the rest of the program that was started on the preceding page. Remember, John Beck is your host, and any questions or suggestions for this new column may be sent to John 'Million' Beck; C/O "The WIZARD'S CASTLE". It's going to be up to YOU, the readers, to see that this new column gets off the ground. Write TODAY!!

MAXIMILLIAN'S MILLIONS (con't.)

```

130 CIRCLE(139,89),2,,1:PAINT(13
9,89),1:RETURN
135 CIRCLE(131,81),2,,1:CIRCLE(1
47,97),2,,1:PAINT(131,81),1:PAI
N(147,97),1:RETURN
140 GOSUB130:GOSUB135:RETURN
145 GOSUB135:CIRCLE(147,81),2,,1
:CIRCLE(131,97),2,,1:PAINT(131,9
7),1:PAINT(147,81),1:RETURN
150 GOSUB145:GOSUB130:RETURN
155 GOSUB145:CIRCLE(139,81),2,,1
:CIRCLE(139,97),2,,1:PAINT(139,8
1),1:PAINT(139,97),1:RETURN
160 REM WERE DOUBLES ROLLED?
165 IFA<>B THEN200 ELSEXR=XR+1:R
A=RA+1
170 IF XR>2 THENRA=RA+14:XR=0
175 GOSUB180:PRINT@39,("RA"ROLL
S LEFT");:GOTO200
180 FOR TH=1TO18:CLS RND(8):PRIN
T@7,"dOuBIeS";:EXEC43345:PRINT@7
,"DoUblEs";:SOUND RND(88),2:NEXT
:GOSUB345
185 IF XR<2 THEN PRINT@32,"DOUBL
ES ROLLED ONCE.":GOSUB340:RETURN
190 PRINT@32,"DOUBLES ROLLED "XR
"TIMES.":GOSUB340:RETURN
195 REM CHOICES DISPLAYED
200 IF(A=2 OR A=4)OR(A=6) THEN B$
=STR$(B)+".00" ELSE B$=STR$(B)
205 PRINT@293,6$(A);B$;:IF(B=2 O
R B=4)OR(B=6)THEN A$=STR$(A)+".00
" ELSE A$=STR$(A)
210 PRINT@421,6$(B);A$;POKE1314
,65:POKE1442,66:PRINT@230,"press
a or b";:PRINT@103,"CASH ON HAN
D";:M=FIX(M):PRINT@167,USING"###
#####.##";M;:PRINT@363,"O R";:RE
TURN
215 REM CHOICE OF A OR B MADE
220 Z$=INKEY$:IF(Z$<>"A" AND Z$<
>"B")THEN220 ELSE IF Z$="A"THEN

```

```

235
225 IF(B=1)THENM=M*A ELSEIF (B=4
OR B=6) THENM=M-A ELSE IF(B=3 OR
B=5) THEN M=M/A ELSE ELSE M=M+A
230 RETURN
235 IF(A=1)THEN M=M*B ELSEIF (A=
4OR A=6) THEN M=M-B ELSEIF (A=3
OR A=5)THEN M=M/B ELSE M=M+B
240 RETURN
245 REM GAME ENDS BELOW ZERO
250 GOSUB345:PRINT@32,"YOU'VE GO
NE BELOW THE ZERO MARK.TRY AGAIN
SOMETIME.":GOTO290
255 REM ZERO REACHED
260 FOR H=1TO5:FOR X=1TO8:PMODE0
,X:SCREEN1,0:PCLS:EXEC43345:NEXT
X:NEXTH:PRINT:GOSUB345:PRINT@32,
"YOU'VE DONE IT!";N$=STR$(MA)+".
00":PRINT@192,"YOU'VE WON $" +N$+
"!
265 IFA<>10000 THEN280 ELSEM=10
0000:PRINT@128,"WOULD YOU NOW LI
KE TO TRY FOR THE ENTIRE MILLI
ON STASH?";
270 I$=INKEY$:IF(I$<>"Y"AND I$<
>"N")THEN270 ELSEIF I$="N"THENPRI
NT@192,"NO GUTS, NO GLORY.":PRIN
T@256,"ENJOY YOUR PRIZE MONEY.":
GOTO290
275 PRINT@168,"OKAY GET READY":F
OR TH=1TO460*3:NEXT:GOTO90
280 FOR X=1TO8:PMODE0,X:SCREEN1,
0:PCLS:EXEC43345:NEXT:GOSUB345:P
RINT@32,"UNCLE MAX IS TURNING OV
ER IN HIS GRAVE, HAVING THOUGHT
HE COULD TAKE IT WITH HIM!"
285 PRINT@128,"CONGRATULATIONS!
THAT TOOK QUITESOME EFFORT!":PRI
NT@192,"TELL ME, AT WHAT AGE DID
YOU START THIS?":PRINT@288,"
AND HOW OLD ARE YOU NOW?"
290 EXEC44539:GOTO15

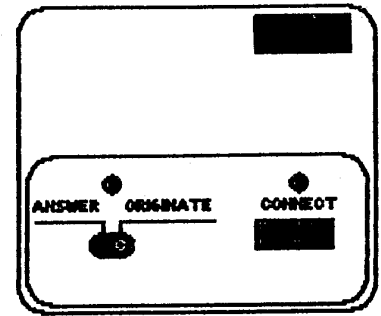
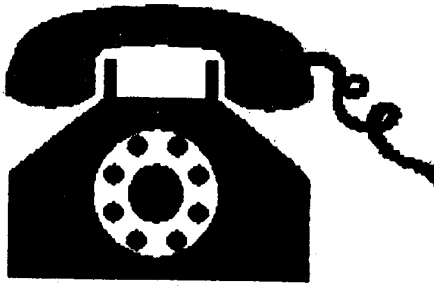
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```

295 REM CASH ON HAND & A OR B SC
REEN
300 GOSUB165:GOSUB350:PRINT@39, "
("RA"ROLLS LEFT");:PRINT@103,"CA
SH ON HAND";:PRINT@363,"O R";:M=
FIX(M):PRINT@293,6$(A);B$;:PRINT
@421,6$(B);A$;
305 PRINT@167,USING"#####.##"
;M;:POKE1314,65:POKE1442,66:PRIN
T@230,"press a or b";:GOSUB220:6
OSUB320:IFM=0 THEN255 ELSE95
310 REM OVER ONE MILLION
315 GOSUB345:PRINT@32,"SORRY, BU
T YOU'VE GONE OVER THE HOUSE LIM
IT."::PRINT@128,"TRY AGAIN SOMET
IME."::GOTO290
320 IFM<0 THENFORX=1 TO17:SOUND9
0,1:EXEC43345:NEXT:GOTO245
325 IFA=0 THENGOSUB345:PRINT@32
,"NO ROLLS LEFT":PRINT@96,"YOU D
IDN'T SUCCEED - TRY AGAIN SOMET
IME, OKAY?":GOTO290
330 IFM>1000000 THENFORX=1 TO17:
SOUND 90,1:EXEC43345:NEXT:GOTO31
0
335 RETURN
340 PRINT@483,"PRESS ANY KEY TO
CONTINUE";:EXEC44539:RETURN
345 F=RND(9)-1:IF(F=1 OR F=0)THEN
345 ELSECLS F:RETURN
350 REM COLOR SCREEN BORDERS
355 POKE65495,0:F=RND(9)-1:IF F=
1THEN 355 ELSE CLSF:FORX=0 TO31
360 G=RND(9)-1:IF(G=F OR G=1)THE
N360
365 SET(63,X,6):SET(0,X,6):NEXT:
FORX=0 TO63
370 H=RND(9)-1:IF(H=1 OR H=F)THE
N370
375 SET(X,31,H):SET(X,0,H):NEXT:
POKE65494,0:RETURN

```

bbs updates



Here are some working BBS's as of date of inclusion. Please send information on working BBS's in your area. Send the name, phone number, baud rate, hours open, and any other notes about them. ENJOY! I'm sure the phone company will. They'll "REACH OUT" for your wallet. I know from experience. I won't be responsible for wrong numbers or dumb callers.

Name	Phone number	Hours open	Baud Rates	Notes

*The WIZARD'S CASTLE	704-937-7736	24 hrs	300	Dr. CoCo *
*The NEWSROOM	704-434-2629	24 hrs	300	The WIZARD *

Box Office	202-638-2367	24 hrs	3/12/2400	All Types
Ocpep	202-833-7500	unknown	unknown	
The Fordet	202-432-0200	unknown	unknown	
The Pirate Ship	203-355-9655	24 hrs	300/1200	CoCo Board
The CoCo Connection	206-854-3744	24 hrs	300/1200	Cors Bik SYS
Collector's BBS	215-926-6894	24 hrs	300	
Glass Menagerie	215-376-1819	24 hrs	300/1200	Sysop - Allen
Animal House	301-237-9704	unknown	unknown	
Apex	301-843-5642	24 hrs	3/12/2400	All types
Beast	301-982-9850	unknown	unknown	
Blue Thunder	301-948-4463	unknown	unknown	IBM & compat.
City of Gold	301-279-9536	unknown	unknown	
Double Trouble	301-345-6885	unknown	unknown	
Grey Market	301-631-6805	unknown	unknown	
PC Retreat	301-631-3247	unknown	unknown	
Petri Disk	301-264-3919	unknown	unknown	
PopNet	301-840-1991	unknown	unknown	Pay as you go
Smokey's Den	301-342-0162	unknown	unknown	
Spook Central	301-464-0945	unknown	unknown	
The Shack	301-434-3440	unknown	unknown	All Types
Underworld	301-345-0344	unknown	unknown	Chatting SYS
Sweet Briar	302-645-5692	unknown	unknown	
The Buck Board	303-425-9283	24 hrs	300/1200	
The Short Line	303-969-9510	24 hrs	300/1200	
Promethius	313-283-8198	24 hrs	300/1200	CoCo & TRS-80
Kathi's Korner	315-458-5115	unknown	300	CoCo Only
GatorBoard BBS	317-482-1079	10pm-8am	300/1200	Mainly CoCo
Shelbyville Colorama	317-392-2769	24 hrs	300/1200	7/E/1

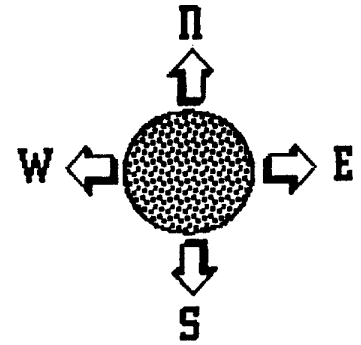
Even More good BBS's

Here are even more working BBS's. Please send the information on some BBS's in your area. Remember if you like that local BBS maybe someone else will too so "REACH OUT" and share your BBS today. Remember I can't be responsible for wrong numbers or dumb callers.

Name	Phone number	Hours open	Baud Rates	Notes
Computer Cellar	319-277-0646	unknown	unknown	CoCo 3
CoBBS	405-737-5580	24 hrs	300/1200	All CoCo
1st SANYO OPUS	412-856-1428	24 hrs	3/12/2400	All Types
CoCo Net	412-744-2335	24 hrs	300/1200	All Computers
GRAFNET	412-469-2255	24 hrs	300/1200	Mainly CoCo
The Midnight Express	502-885-4335	24 hrs	300/1200	RLE Graphics
Cat House	513-528-0707	24 hrs	3/12/2400	
CoCo Connection	513-742-1895	24 hrs	3/12/2400	
CoCoNut	513-984-8705	24 hrs	3/12/2400	
Cupids CPU	513-825-8466	24 hrs	300/1200	
Pit Stop	513-821-5170	24 hrs	3/12/2400	CoCo 3
The City Jail	519-753-3499	24 hrs	300/1200	Sysop - Dave
Dream Quest	608-798-3614	6pm-2am	unknown	
J.A.D.E.	608-752-7840	24 hrs	unknown	
Softcom	609-448-8244	unknown	300/1200	
The TAO BBS	609-587-2672	24 hrs	300/1200	All CoCo
The TARDIS BBS	609-448-1361	24 hrs	3/12/2400	
The Lion's Den	617-889-0777	24 hrs	3/12/2400	
Bit Board	701-667-2806	unknown	300/1200	
Franklin County Data	703-365-2018	24 hrs	300	7/E/1 - 8/N/1
Pontefex BBS	704-825-6201	24 hrs	300/1200	Ron Millar
The NEWSROOM BBS	704-434-2629	24 hrs	300	The WIZARD
The WIZARD'S CASTLE	704-937-7736	24 hrs	300	Dr. CoCo
CoBBS	717-394-3654	til 10pm	300/1200	George Felben
The Balloon Port	717-273-8444	24 hrs	300/1200	Rick Elyar
Brass Tacks	718-699-2564	mid-5pm	1200	All Computers
Micro-Link	718-648-3502	24 hrs	300/1200	All Computers
Darrel's Barrel	803-821-1669	24 hrs	300/1200	EMAIL Freddy
Looking Glass	803-569-1101	9pm-6am	3/12/2400	
TandyLand	803-875-2019	24 hrs	300/1200	All Computers
Cygnets Databoard	902-543-6008	24 hrs	300/1200	All Computers
Microblackboard	902-893-8742	24 hrs	300	Has CoCo Sig
Night Line BBS	902-624-6202	24 hrs	300/1200	7 bits
Blue Devil's Court	919-223-5857	24 hrs	unknown	
CoCoNuts BBS	919-425-8242	24 hrs	300/1200	Sysop - Tom
Dungeon BBS	919-726-9737	24 hrs	300/1200	Sysop - Chuck
J&E BBS	919-726-5002	6pm-6am	unknown	

go north
open door
get light
go down
on light
go west
get key
go east
go up
off light

go west
unlock door
open door
get paper
get pencil
go south
sit down
put paper
write hints
go rest



Here is where you can help each other to solve those 'PESTY' games that have you lying in bed awake half the night. If you have any 'NAGGING' questions on any games or have any hints for the other readers here is the place they go. Total 'SOLUTIONS' will appear here too from time to time. So GO NORTH, PUSH BUTTON, PLAY GAME, and ENJOY!!

Dungeons of Daggorath Hints:

The high 'cat-like' creature on the 4th level must be defeated in one string of attacks.

Signed,
Quicksilver

Sea Quest Hints:

You need the balloon to get the anchor. Here is how you do it: Tie balloon-to anchor-pull cord Don't forget to bring shark repellent.

Signed,
Princess Di

Sands of Egypt Hints:

You must climb the tree to get the fronds, to make the rope. Here's how you do that: Cut fronds-get fronds-down-put axe-braid fronds. The ladder is in the tunnel, but you've still a way to go yet.

Signed,
Princess Di

Black Sanctum Hints:

To make the altar do this: Drop all-build altar-get ash-get lantern-south-go vent-drop ash-into epis. Now you're done.

Signed,
Princess Di

Magic of Zanth Hints:

Don't forget to take the pill when under water and talk to Beauregard. You are almost there now.

Signed,
Princess Di

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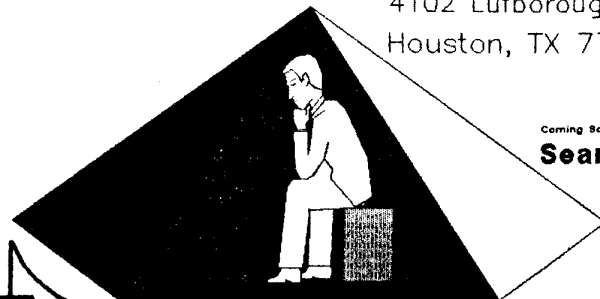
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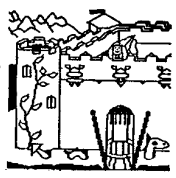
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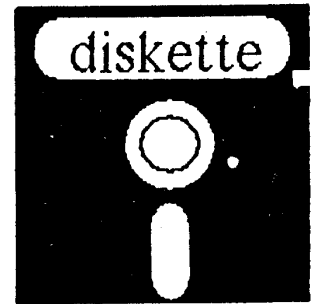
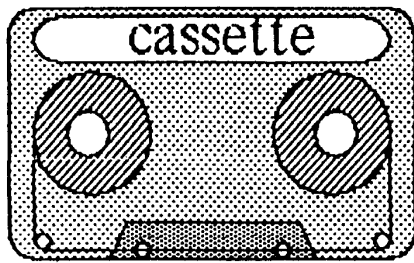
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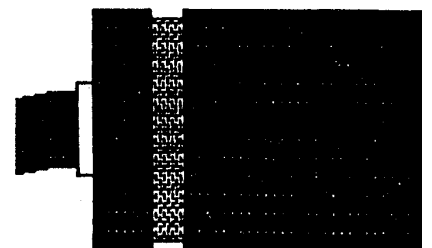
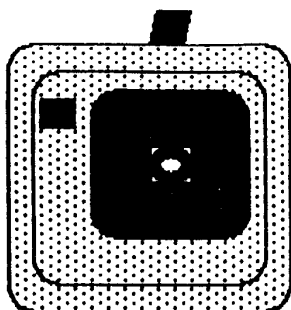
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