CoCo~123

The 9th Annual "Last"

Chicago CoCoFEST!

MAY 21 & 22!

CoCo ~123 HighLights

G.C.C.C. Inc. OFFICERS

Here is the list of 1999 club officers and how to contact them.
If you have questions about our club, call one of the officers
for the answers.   Area Code 708>754, 847>428, 603>837, 815>832

POSITION	NAME	PHONE	PRIMARY FUNCTION
President	Brian Goers	754-4921	The buck stops here...
Vice-President	Tony Podraza	428-3576	Meeting Planning, etc.
Secretary	Robert Swoger	837-7957	Records and Reporting
Treasurer	George Schneeweiss	832-5571	Dues and Purchasing

CoCo ~ 123 INFORMATION

CoCo ~123 CONTRIBUTIONS

CONTRIBUTORS TO THIS ISSUE

Brian Goers—Tony Podraza—Rich Bair
George Schneeweiss—Bob Swoger

G. C. C. MEETINGS

The Glenside Color Computer Club meets the second Thursday of each month at the Glendale Heights Public Library at 7:30 p.m. If you need a map, see our WWW Glenside Homepage at:
http://members.aol.com/clubbbs/glenside
A social get-together always occurs at the nearby Springdale Restaurant.
Bob Swoger, Webmaster
Glenside Color Computer Club

FROM THE PRESIDENT'S DISK

Presidents Column

Well it is almost that time of year again. It seems such a short time ago that I was watching the New Year's eve celebration on the TV. Now tax time is almost here and CoCoFest is soon after that. Yes, we are having another event. We will probably have one next year as well. But I'll let Tony tell you about this CoCoFest himself.

I would like to see more articles submitted. If you members can help us out we all can benefit. Believe me, I know how very difficult it is to write. We have people returning to using their CoCo and have forgotten how to do something or would like to do something but can't figure out how. Someone writing a short article can help fill in the gaps. Maybe you have a project that you are working on. Share that idea. It might start other ideas flowing. I would like interest other than mine. So please send articles.

See you all at the show.

Brian Goers, President
Glenside Color Computer Club

9th ANNUAL "LAST" CHICAGO CoCoFEST!
May 21 & 22
Hope to see you there.
Tony Podraza, vp
Glenside Color Computer Club, Inc.

THE SECRETARY'S NOTEBOOK

(If you have a moment here are some minutes.)

July 8, 1999

Brother Jeremy, Carl Boll, Brian Schubring Tony, Sam and Craig Podraza are all going to the PennFest.

Tony made a list of club items to bring to the PennFest. Tony received a letter from Frank Swygert - Bob Swoger to return the original letter to Tony. The letter says, "Tony - - All this is donated to Glenside. All originals by me (CoCo Family Recorder - OS-9 & DECB, All pubs - TLW, QRGs) are donated with ALL RIGHTS, You can put them in the public domain if you wish."

"I don't know what happened to Stephen Disney. I suggest you not send any more funds. For anyone who got taken, I have a few back issues. For $1 postage I'll send 4-5 to anyone who asks. Prefer those who sent money to Stephen & got nothing first. I have maybe 25-30; so will be good for 5-6 people anyway."

"I release any restrictions on reprinting TLW. Get it out to those it will help! May be good for new members... Frank"

Brian and Carl will bring IDE Boards. Carl will bring Monitors, etc.

Bob and Annette Swoger have given us a Picnic date of September 18, 1999, agreed upon by all present. No election was held.

Meeting ended at 9:10

Submitted by Brian Goers in the absence of Bob Swoger.

August 12, 1999

Meeting began at 8:03 p.m. Present were Brian Goers, Howard Luckey, Justin Wagner, Rich Bair, Tony Podraza, George Schneeweiss and Robert Swoger. Showing up later were Eddie Kuns and Carl Boll.

PennFest Aug 21 & 22 Goers, Howard, Tony Carl and Brother Jeremy will attend. Rich Bair brought OS9 T2K patches on disk and gave them to Tony for the Pennfest.

Next CoCoFEST same old place May 20-21, 2000. The information will be put on the Glenside Homepage at: http://members.aol.com/clubbbs/glenside/

Our annual Picnic will be held on September 18, Justin Wagner's birthday, at the home of Bob and Annette Swoger. Rich Bair and Brian Goers will be there this year.

Tony brought labels for SCSI Sys 2.2 and disk from PennFest.

Farna is no more (Frank Swygert)

WEEEEEEEEE need to visit the library - - catalog & advertise before next CoCo Fest

Tony read a Newsletter Praise letter.

IDE report - boards all built save 4 - half are tested.

contact & suggest we make kits

To get on the CoColist, send email to listserv@pucc.princeton.edu
subject: anything
message : subscribe ^^^^^^ coco

The CoColist email address will then be: Coco@pucc.princeton.edu

The meeting adjourned at 9:00 PM to the Springdale Restaurant for the usual meeting after with 9 members again attending.

Robert Swoger, Secretary
Glenside Color Computer Club

October 14, 1999

Meeting began at 8:05 p.m. Present were Brian Goers, Howard Luckey, Justin Wagner, Rich Bair, Tony Podraza, George Schneeweiss, Scott Montgomery, Brother Jeremy, John Chasteen, Rob Gibons and Robert Swoger. Showing up later were Eddie Kuns and Carl Boll.

Rob Gibons got the award for driving the furthest for a meeting today coming in from Florida.

Brian Goers asked the membership how to get files transferred between a CoCo and an IBM type machine. Most members agreed that using the modem would be the easiest. Both ProComm and MTez for the MSDOS machine have a host mode. All you have to do is connect the home phone line to both machines as well as the landline coming into your house from outside. Be prepared to break the landline away leaving the two machine's modems connected. With the MSDOS machine in the HOST mode, cause the phone to ring. One way, in the Streamwood area that is, is to dial 511 followed by the last four digits of your phone number. Press the hook switch once and listen for a blaring tone, then hang up the phone. The phone will ring. Listen for the two computers to establish a connection, then remove the land line connection. The CoCo will then see the menu presented by the host machine. Files can then be uploaded and downloaded.

Bob Swoger told of his wife's purchase of a new 40-X IDE CD-ROM. When he opened the box, he found instead a 45X IDE CD-ROM and a note of explanation from the manufacturer. He installed it and placed his WinDoz95 System disk in it. The CD-ROM spun up and the disk spun out - the CD-ROM ate his system disk. He returned the drive to Best Buy for a replacement but now, only two weeks later, the only thing they had on the shelf for the same

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price was a 48X. My, how quickly technology changes in the CD-ROM industry!

After receiving $200 from the proceeds of items sold at PennFest, George stated that our treasury is now at $3287.

IDE J David Baker sent in his name and address for Carl Boll who has suffered the loss of the hard drive that kept the IDE Purchasers database.

Rich Bair reported that he had completed 4 Y2K patches, two for the Burke & Burke system and two for the FD502 system with Smart Watch.

Check out after-y2k.org for jokes. Y2K? Because 1K isn't enough!

We voted to keep our meeting room another year at a rate of $15 per month.

Fest to be at the Ramada In Ma 20 & May 21 2000. We are looking for graphics for the next CoCoFEST to use on posters, flyers and maybe Tee's.

Newsletter must be out by the end of this month. (Oops.)

Rich says he gave me a disk. Find it!

The meeting adjourned at 8:42 PM and Brother Jeremy gave us a demo and history of OS-9 to the present day of his latest upgrades to put the finishing touches to the operating system as well as MultiView and G-WINDOWS.

At 9:45 we packed up and adjourned to the Springdale Restaurant talking about all sorts of CoCo subjects until midnight with 11 members attending.

Robert Swoger, Secretary
Glenside Color Computer Club
December 9, 1999

Meeting began at 8:04 p.m. Present were Brian Goers, Howard Luckey, Justin Wagner, Rich Bair, Tony Podraza, George Schneeweiss, John Chasteen, Dave Gacke, Brian Schubring and Robert Swoger.

The Glenside CoCoFEST will be held May 20 - 21 2000 this coming year at the Ramada Plaza Hotel. Rooms this year for visitors will be $72 per night.

It was reported that Carl Boll has mailed out more CoCo IDE controller boards over the Thanksgiving holiday weekend. Brian Goers promised to get a final count of the IDE boards that need to be completed and boxed for delivery.

Dave Gacke informed us that the CoCo PS2 mouse interface he showed at the last meeting can be found at mall.lnd.com/coco/ on the internet.

Dick Bair suggested a bounty be paid for IDE software to drive a CD-ROM or removable disk accessory. Also, maybe internet access drivers?

Brian Schubring expressed interest in designing the next CoCoFEST shirts.

Nicholas Marentez will be contacted by Tony Podraza for a possible logo for the fest.

Mike Carey of Tennessee will by asked to come again to the next CoCoFEST as one of the Music Men.

The meeting adjourned at 8:35 PM to the Springdale Restaurant with 10 members attending.

Robert Swoger, Secretary
Glenside Color Computer Club

January 13, 2000

Meeting began at 8:10 p.m. with Rich Bair presiding as Brian came in late. Present were Howard Luckey, Justin Wagner, Rich Bair, Tony Podraza, George Schneeweiss, Brother Jeremy, Dave Gacke, Brian Schubring, Robert Swoger, Carl Boll and Brian Goers.

Brian Goers reported that the IDE Project had 41 more boards built and tested that need now to be boxed with their instruction sheet and disk.

Carl Boll reported that he wants to get out 40 more IDE boards. He also wants to author some articles for our newsletter.

Tony Podraza told us that once again our CoCoFEST will be on the same day as the Dayton HAMvention. When asked about the CoCoFEST prices this year, Tony responded "Same Low Prices as last year"!

Brother Jeremy wishes to do an article on Kevin Darlings Upgrade OS-9, he is looking for a disk of past demos. He is also looking for SCSI drives. He also has made a buffered 'Y' cable that works on some CoCos but not others. Contact him if you wish more information.

Dave Gacke is working on a Digital Sound Processor (DSP) for the CoCo.

Justin Wagner will see to it that we have CoCoFEST 2000 information in Nuts & Volts.

Tonight is dues night. George reported our treasury is at $3081.51

Rich Bair has finished the new Y2K upgrade disk for the fest and Glenside Homepage. If you wish a copy contact Rich at: richbair@sprynet.com

The meeting adjourned at 9:01 PM the Springdale Restaurant with 9 members attending.

Robert Swoger, Secretary
Glenside Color Computer Club

February 10, 2000

President Brian Goers called the meeting to order at 8:07 p.m.. Present were Howard Luckey, Justin Wagner, Rich Bair, Tony Podraza, George Schneeweiss, Brother Jeremy, Dave Gacke, Scott Montgomery, Robert Swoger, John Chasteen and Brian Goers.

George reported that only 4 members paid dues last month. He also brought in 17 pictures of members he had taken at our previous meeting.

Tony reported on Roger Taylor's web page and Princeton's CoCo service. He next informed us that we will need a new meeting room in September 2000 and beyond at the Library is renovating the entire building. He also asked if there would be objections to other computer platforms showing up at the Fest. There were no objections. Tony then made a motion that we extend the membership of dues of the active members another 1/2 year due to the lack of newsletters produced. The motion was seconded and passed.

Howard Luckey volunteered to become our new CoCo~123 Newsletter Editor. He is ready to receive input for the next

newsletter. His latest e-mail address is luckey1@techport.com. Howard will forward the newsletter to Tony to print, Tony will send the copies to John Chasteen to mail.

Justin Wagner got our CoCoFEST 2000 information in Nuts & Volts and had a copy present to show us. He also brought IDE Drives and Floppy drives as giveaways.

The IDE Project Homepage is either stg.ide.net or ide.stg.net Brian Goers will bring a CoCo with IDE for a demo at our next meeting.

The meeting adjourned at 9:01 PM (same time as last month) to the Springdale Restaurant with 11 members attending.

Robert Swoger, Secretary
Glenside Color Computer Club

Your Article Could Have Been Here.

Word Jumbler

A BASIC Permutation program
By Richard Bair

One of the little features in the Chicago Tribune each day is a puzzle that requires the reader to unscramble several words whose letters have been mixed up. Some people have a natural gift for anagrams, but I find it frustrating trying to imagine all the permutations of a given set of letters, so I decided to turn to the computer for help. If I could get the computer to print out all the different possibilities, I thought, then I could quickly scan the list to pick out the one that is a bona-fide English word.

The number of permutations of a set of n letters, assuming they are all different, is n! That's $n*(n-1)*(n-2)* ---- *3*2*1$. This is a very rapidly-increasing function; a five-letter word has 120 possibilities, a ten-letter word 3,628,800. But it could be worse: if we allowed re-using letters there would be n exp n possibilities, which for n=10 is 10,000,000,000. Obviously, the one thing we DON'T want our program to do is to search through the latter list to find the former.

It helps in analyzing the situation to think of digits instead of letters. For example, what numbers can be formed with the digits 1, 2, 3, and 4? There should be 4! (=24) answers; they are 1234, 1243, 1324, 1342, 1423, 1432, 2134, 2143, 2314, 2341, 2413, 2431, 3124, 3142, 3214, 3241, 3412, 3421, 4123, 4132, 4213, 4231, 4312, and 4321. Notice that these are arranged in numerical order. If we could devise a digit-switching algorithm that would step through these answers in order, then the same algorithm would solve the word problem.

Here is one that works:

1. With your left hand, point to the rightmost digit. Then move left one digit at a time until you find one that is smaller then its right neighbor.

2. Now with your right hand, point to the rightmost digit. Is is bigger than what your left hand is pointing to? If not, move your right pointer to the left, one digit at a time, until you find one that is bigger.

3. Interchange the two digits you are pointing to.

4. Reverse the order of all digits to the right of your left pointer.

The BASIC listing following is a simple implementation of this algorithm (P1 and P2 are the two pointers). You will notice that the code contains two "expansion interfaces" -- calls to empty subroutines. The one at 900 was to be for weeding out nonsense input, but it's almost more fun with it inactive. You can enter #$%&*! and watch the computer generate all the permutations, or you can enter 12345 and then watch to verify that the solutions are all in numerical order.

The subroutine at 400 was intended to be for code that would eliminate redundant answers in cases where a letter appears more than once, but the space could be used in many ways. As a particularly far-out example, by adding these nine lines

```
420 FOR X=2 TO L
430 FOR Y=1 TO X-1
440 IF ABS(M(X)-M(Y))=
X-Y THEN T=0:RETURN
450 NEXT Y
460 NEXT X
470 RETURN
860 P1=L
870 P2=L
880 GOTO 310
```

the program can be used to solve the 8-queens problem discussed by Aaron Banerjee in Vol. 6 No. 2 of "the world of 68' micros". Just run it and enter the word 87654321. You'll get the 92 solutions in about 2 hours (1 hour with the double-speed poke).

Here is the BASIC program:

```
10 REM Word Jumbler
20 ' Finds all possible rearrangements
of a given string
30 ' (c) Richard S. Bair, 2/22/99
40 ' Written for Color Computer 3
50 GOTO 710

100 REM Transpose subroutine
110 S=M(P1)
120 M(P1)=M(P2)
130 M(P2)=S
140 RETURN
```

```
200 REM Main loop
210 GOSUB 610
220 P1=L
230 P2=L
240 P1=P1-1
250 IF P1=0 THEN PRINT
STRING$(39,"*"):END
260 IF M(P1)>M(P1+1) THEN P1=P1-1:GOTO
250
270 IF M(P1)>M(P2) THEN P2=P2-1:GOTO 270
280 GOSUB 110
290 P2=L
300 P1=P1+1
310 IF P1>=P2 THEN GOSUB 410:IF T THEN
210 ELSE 220
320 GOSUB 110
330 P2=P2-1
340 GOTO 300

400 REM Check for redundant arrangements
410 T=1
420 RETURN

600 REM Print the word
610 FOR X=1 TO L
620 PRINT C$(M(X));
630 NEXT X
640 PRINT STRING$(20-L," ");
650 RETURN

700 REM Startup tasks
710 WIDTH 80
720 CLS
730 LOCATE 33,1:PRINT "WORD JUMBLER"
740 LOCATE 9,2:PRINT STRING$(60,"*")
750 PRINT:INPUT "  What is the word to
be jumbled";W$
760 GOSUB 910
770 L=LEN(W$)
780 DIM C$(L)
790 DIM M(L)

800 ' Set initial arrangement
810 FOR X=1 TO L
820 C$(X)=MID$(W$,X,1)
830 M(X)=X
840 NEXT X
850 PRINT:PRINT STRING$(10-L/2," ");
860 GOTO 210

900 REM Possible input-check subroutine
910 RETURN
```

If you run OS9 and have the utility RSDos (and PCDos, if you are online with a Wintel machine) you can save yourself typing in this listing by downloading this article from the Glenside web site at

http://members.aol.com/clubbbs/glenside

and isolating the program lines using an ASCII text editor. Then use the utility(ies) to get the result over to a CoCo DECB disk.
□

Your Article could have Been In This place

Market Place:

AVAILABLE FROM

Robert Gault
832 N.Renaud
Grosse Pointe Woods, MI 48236
 (313)-881-0335
e-mail: **robert.gault@worldnet.att.net**
web page:
http://home.att.net/~robert.gault/

EDTASM6309 $35
     Patch for Tandy's DISK EDTASM+
(which you must already own) creates
possibly the best Editor/Assembler for
the Color Computer. 6309/6809 ready, RGB
hard drive ready, local labels,
upper/lower case, multiple FCB/FDB, and
much more.

CC3FAX $35
     Extensive modification of WEAFAX
(Rainbow 1985) for the 512K CoCo3, uses
high res graphics, holds a full 15min
Weather Fax image, large selection of
printer drivers, uses monitor's own
speaker for all
signal listening. No image data discarded
as in Rainbow version. Shortwave receiver
and cassette cable required.

HRSDOS $25
     Data transporter for OS-9. Move
programs and data from RSDOS disks to OS-
9 or from OS-9 to RSDOS. Supports RGB
hard drive systems where drive split into
OS-9 and RSDOS sections with direct
access to RSDOS section from OS-9.
Modification of OS-9 HDisk or CC3Disk
drivers not necessary for use.

RSDOS SmartWatch=E2 Drivers $20 or $15
when purchased with another prgm.
     If you already own the SmartWatch
sold by Tandy and other sources but only
have drivers for OS-9, these drivers will
give access under RSDOS systems. New
function added to access date/time as
string function: DATE$. Ultimaterm
supported.

COLORZAP-93 $25
     The best disk editor for OS-9 is
dEd. Now you can have the same power
under RSDOS with this look-alike/work-
alike all machine language program for
the CoCo3 only. No need to remember new
commands when you switch from OS-9 to
RSDOS and back.

RGBOOST $15 or $10
    when purchased with another program
     Make the most of your 6309 Hitachi
CPU under RSDOS. More extensive patching
of the system than supplied with the
Burke&Burke package. Uses new CPU
functions but does not use 6309 native
mode for safety. Third party software
makes using native mode too risky.

Include $4 shipping and handling on all
orders; waived if sent by e-mail.

"Whatever happened to...?"

You may not know that Frank Swygert has
given the Glenside Color Computer Club
the rights for continued distribution of
the material that HE, himself had
copyrights to. There hasn't been a major
executive decision on what to do with the
material, and Glenside is not,
technically or realistically, in the
position of being a sales organization.
 Covering the expenses is all that we try
to do. SO, in keeping with Glenside's
established policy of community/vendor
support, we will accept donations in the
amount of the original copyright holder's
last published pricing structure, with
the shipping costs to be paid by you, the
acquisitioner. I guess the simple
English of that statement is, you agree
to make a donation in the amount of last
known selling price and pay the freight
and we ship the goodies. You send in the
donation when you get the goodies. Fair
enough? Frank told Glenside to do
whatever we wanted to do with the
material; FEST! door prizes, club
giveaways for membership, etc. and we
will do that, too. But that comes later,
say, maybe at the 9th Annual "Last"
Chicagoland-area CoCoFEST! (GADS!!! I
just can't believe we're goin' to do it,
YET AGAIN!)

If interested in any of the listings
below, send an e-mail to me,
tonypodraza@juno.com and indicate your
preferences. I can also be reached @
847-428-3576 or snail mail @ 119 Adobe
Circle; Carpentersville, IL 60110-1101.

Quick Reference Guides,
     OS9/6809 or OS9/68K
CoCo Family Recorder
     (DECB or OS9)
Tandy's Little Wonder,
     The Color Computer (by special
     arrangement, only)

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Mastering OS9

I'll reply privately with the arrangements.

Now, before you cough up the bile over the IDE thinggie, review the order of events listed above, and detailed below.

1) You contact me
2) I contact you
3) You approve the figure
4) We ship you the package
5) The package arrives
6) You mail the envelope
7) Everybody happy.

Should work , eh?

P.S. Planet Engine, Learning the 6809 (manual only), and the Burke & Burke Shareware are also available under this arrangement.

P.P.S. Prospective exhibitors, please contact me EARLY if you are considering participation in the FEST! I will be building the mailing list shortly. And, of course, it will be available on the WebSite
http://members.aol.com/clubbbs/glenside

Tony Podraza, VP, Special Events;
Glenside Color Computer Club, Inc
Sponsor of the NINTH Annual "Last"
Chicago CoCoFEST!
May 20th & 21, 2000--Same Familiar
Place--Now Known As
The Elgin RAMADA INN

Guess Whose Article Could Have Been Here?

WHO? 1) THE GLENSIDE COLOR COMPUTER CLUB OF ILLINOIS PRESENTS
WHAT? 2) THE NINTH ANNUAL "LAST" CHICAGO COCOFEST!
WHEN? 3) MAY 20th & 21st. 2000
(☞ SAT. 10 AM - 5 PM)
(☞ SUN. 10 AM - 3:30 PM)
WHERE?4) THE SAME GREAT LOCATION AS LAST YEAR
345 W. RIVER ROAD
ELGIN, ILLINOIS
OVERNIGHT ROOM RATE: $72.00
(PLUS 10% TAX)
CALL 1-847-695-5000 FOR RESERVATIONS.
BE SURE TO ASK FOR THE
"GLENSIDE" OR "COCOFEST!" RATE.

THERE IS A LIMITED SUPPLY OF ROOMS BLOCKED OUT FOR THE FEST. RESERVE YOUR ROOM EARLY -- THESE ROOMS WILL BE RELEASED FOR REGULAR **RESERVATIONS** ON MAY 7th, 2000, AND WILL BE AVAILABLE TO THE FEST ATTENDEES . **YOU MUST REGISTER UNDER "COCOFEST!" TO GET THIS RATE**
WHY?
A. TO PROVIDE VENDOR SUPPORT TO THE COCO COMMUNITY
B. TO PROVIDE COMMUNITY SUPPORT TO THE COCO VENDORS
C. TO PROVIDE EDUCATIONAL SUPPORT TO NEW USERS.
D. TO HAVE AN OUTRAGEOUSLY GOOD TIME!!!!!

AND NOW, THE "H" WORD.
HOW MUCH? $$ 1) GENERAL ADMISSION, ALL ATTENDEES : $ 10.00 WHOLE SHOW
******* CHILDREN 10 AND UNDER - FREE *******
ADVANCE TICKET SALES (to be picked up @ the door) $8.00
Please send funds for your Reservations to:
CoCoFEST! Reservations
c/o George Schneeweiss
13450 N 2700 East Road
Forrest, IL 61741-9629
NO ADVANCE RESERVATIONS POSTMARKED AFTER APRIL 15, 2000, PLEASE!

FOR FURTHER INFORMATION, GENERAL OR EXHIBITOR, CONTACT:
TONY PODRAZA, VP, SPCL EVNTS, GCCCI
TONYPODRAZA@JUNO.COM
847-428-3576, VOICE: 847-428-0436, BBS
BRIAN GOERS, PRESIDENT, GCCCI
BGOERS@AIS.NET: 708-754-4921, VOICE

The Glenside Color Computer
Club, Inc.
C/O Tony Podraza
119 Adobe Circle
Carpentersville, IL 60110-1101