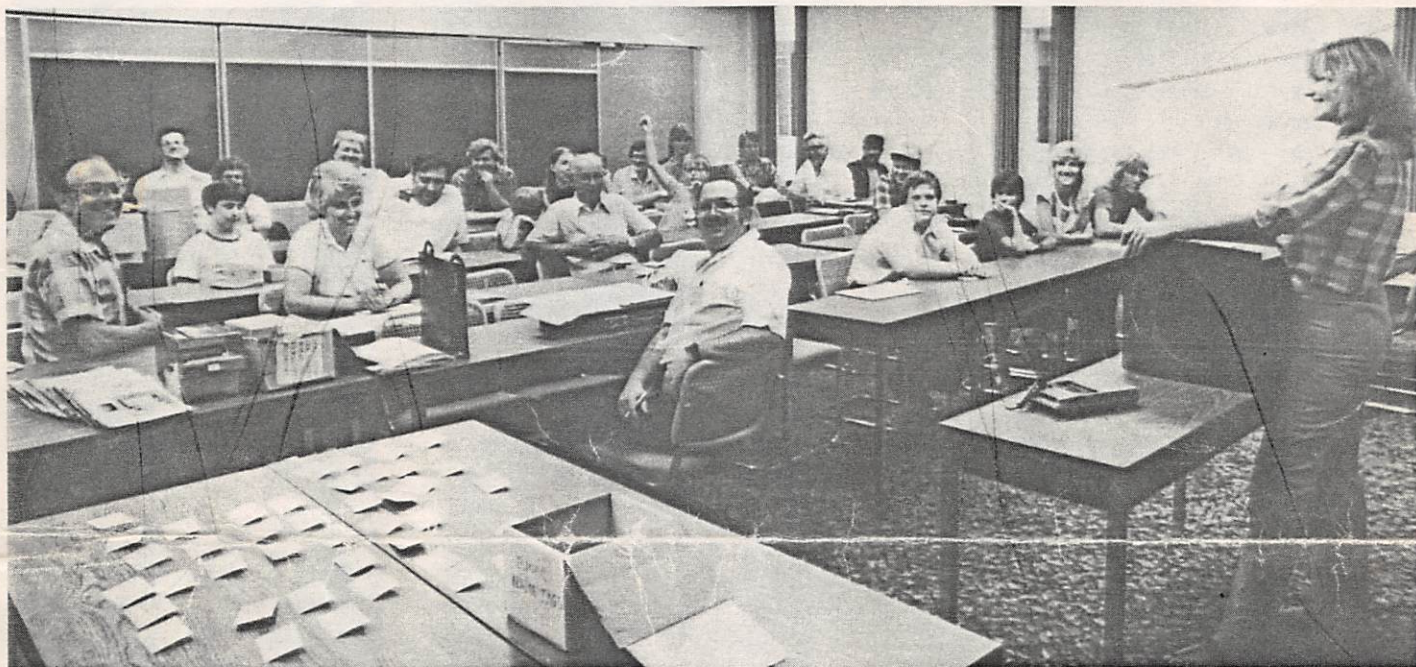


EXPRESS

The Official Publication of the
PENN - JERSEY COLOR COMPUTER CLUB

VOLUME 3 NUMBER 8

AUGUST 1985



SMILE - YOU ARE ON CANDID CAMERA!

ELECTRONIC-COMPUTER AGE

BY JERRY BEHLER

This month's topic for the newsletter and monthly meeting will be on "Modems & Communication". What exactly does it mean? This topic will hopefully prepare you for the "Electronic Age".

Electronics is one of the sciences that amazes most people. It directly affects them, unlike most other sciences. It is all around you, look around the room you are in now. How many different devices can you see that are electronically operated?

What do you know about these devices? Do they seem to get more complicated every day? Instructions seem to get longer and longer, the day of the power on/off button is gone! Everything has buttons, switches, and levers to push, pull, twist or flip. Some of the latest devices now even TALK to us!

As complicated as they get, people still purchase them, computers are no exception. Already for the COCO, one company markets "EARS & VOICE" which allows you to communicate with the computer in ENGLISH LANGUAGE! What lays ahead over the next ten years will totally amaze us today.

Many financial advisors, marketing experts and computer analysts say "Computers sales are dying, it was just a fad". Quite the contrary, over the next few years computers will appear again as a necessity rather than a convenience or "toy".

What does this have to do with our topic? I will give a few examples of uses of communicating with your COCO.

One such use will be telecommunications from the home or

NEXT MEETING IS FRIDAY, AUGUST 30

MEETING MINUTES OF JULY 25, 1985

The July meeting of the PENN-JERSEY COLOR COMPUTER CLUB was opened at 7:22 PM by the Club President Roni DeGarmo. UNDER OLD BUSINESS

The President began the meeting by welcoming all guests which were in attendance. Among them were her sister and family from Florida and Roni's brother. Also in attendance were new members H. Peter Unks of Phillipsburg and Richard Kleppinger of Palmyerton.

Continuing on with club business, Roni asked for a report from Treasurer Clyde Gano. Clyde presented his report which included information up to June 31. Adding to his report Clyde indicated that the disk file storage holder which was requested to hold the clubs disk library was purchased by Reinhold Radke and given to the library. Clyde also reported that a letter was written to HDT COCO to see if club discounts were available for subscriptions, but no answer was received as yet.

Motion was made by Tom Castronuova and seconded by Jerry Behler to approve the treasurer's report.

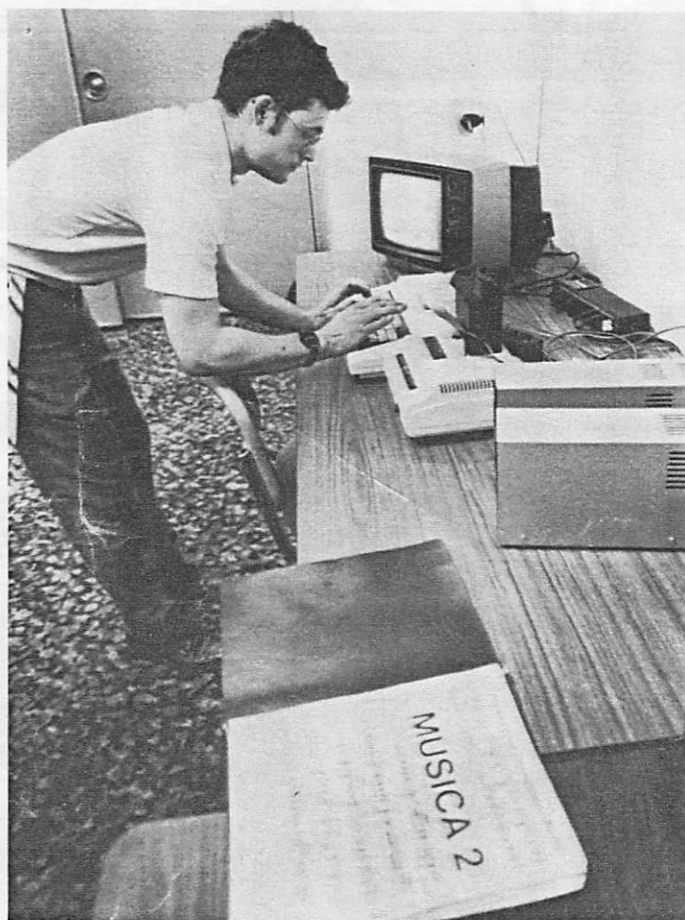
Continuing on Roni asked if there were any corrections to the last printed meeting minutes. No corrections were indicated so motion to accept the meeting minutes as published in the June issue of the 6809 EXPRESS was made by Don Lauer and seconded by Reinhold Radke.

Next item on the meeting was a report from the Editor Reinhold Radke. Reinhold asked if Tom Roginski had gotten his newsletter as last month he had indicating he did not receive his letter on time. Reinhold assumed all was well with delivery of the Express. Reinhold indicated that next the issue will be bigger. Reinhold also indicated that Color America copied the format of the our club's newsletter.

Moving onto the mail, Nelson had a few offers from Vendors. See Nelson for more details.

UNDER NEW BUSINESS

Jerry Behler indicated that the program McPaint was downloaded from CompuServe and is now available in version 2.0. There is a demo disk and instructions available. This program will be demonstrated by Joe Nuban after the meeting. Jerry Behler indicated that a person from New Jersey indicated that the club was being accused of making and selling CoCoMAX hardware and software according to a notice on the CompuServe BBS. This issue is to be looked into



Bob Zugates prepares MUSICA 2 for demonstration at the last meeting.

further and action will be taken to correct this error.

President Roni asked for club input on any other topic. Tom Castronuova asked for volunteers for equipment and a speaker for the next meeting. Indicating the positive for equipment were Clyde Gano and Jerry Behler TV sets. The club will bring its computer and disk drive, Kenneth Dawe indicated a disk drive and another computer is required.

Continued on page 10

6809 EXPRESS
PENN - JERSEY COLOR COMPUTER CLUB

The "6809 EXPRESS" is the official monthly publication of the PENN-JERSEY COLOR COMPUTER CLUB. The club is based in the greater Lehigh Valley area of Northeastern Pennsylvania including sections of Northwest New Jersey. Any club or non-profit organization may reprint any part of the newsletter as long as credit is given. PJCCC will gladly exchange newsletters with any other computer club. For any written correspondence send your request to EDITOR, 6809 EXPRESS, Penn-Jersey Color Computer Club, P.O. Box 2742, Lehigh Valley, Pa. 18001.

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RAINBOWFEST, PCMFEST IN PRINCETON OCT. 11-13

RAINBOWfest is the only computer show dedicated to the Tandy Color Computer manufactured and marketed by Radio Shack. PCMFest is the premiere show focusing on Tandy's portables and the new generation of MS-DOS computers. The concurrent shows will feature free seminars, as well as guest speakers including noted computer expert Bill Barden when they come to the Hyatt Regency in Princeton, N.J., Oct. 11-13

RAINBOWfest is sponsored by the RAINBOW, The Color Computer Monthly Magazine, while PCMFest is sponsored by its sister publication, PCM, The Personal Computing Magazine for Tandy Computer Users.

Barden, author of 30 computer books, will be the keynote speaker Saturday, Oct. 12, at the 8 a.m. CoCo Community Breakfast and will also hold a seminar that afternoon on computer languages. The seminar will apply to both the Tandy Color Computer and the Tandy 1000, 1200 and 2000 MS-DOS computers and models 100 and 200 portables featured in PCMFest.

Dale Puckett, another featured speaker and author of "The Complete Rainbow Guide to OS-9", a tutorial on the use of a sophisticated computer operating system, will autograph copies of his book Saturday morning at 11:30 and at 3:30 that afternoon. Puckett will conduct two Rainbow seminars: "Beginners' Tour of OS-9" and "Beginners' Tour of BASIC09".

Other RAINBOWfest seminars include: "The CoCo and Special Education"; "Inside Your Color Computer"; "Your Own Color Computer Hardware"; and "A CoCo Gallery."

PCMFest seminars are: "The Portable Computer Environment"; "The Future of Portable Computing"; "Computer Law and Portable Computers"; "Database Management"; "Data Communications"; and "Vianet - Tandy's New Intra-Office Communications System."

Both shows offer users immediate access to top experts.

FROM THE PREZ - -

BY Roni DeBarro

For those who have a modem and use the "COCO DEN" BBS, I'm back.

Moving. What an experience! Moving day I was the director of a score of people who were assigned boxes and furniture. Where does this go? What room do you want this in? -- Roni -- . This is your computer room? Oh.....

---Roni --- Where are you? How about this? Don't carry boxes in, just tell us where to put everything. (How should I know? My whole life is in an upheaval!)

The dust has settled. The nicks on the furniture and walls remain to remind me of the "great exodus". And it was only 5 miles away!

The computer room. Hmm. A phone jack, -good. No cable hookup- oh oh. Who needs a cable hookup for a computer? It's not necessary for the system, but when there's only one TV in the house, it's necessary for family harmony or get another TV. So the computer sits for 7 weeks until an old black & white TV is borrowed. What's a COCO without color?

Yes, it was a "moving" experience. Now I'll stay put --- until next time.

demonstrations of new products, opportunities to experiment with software and hardware, and special RAINBOWfest and PCMFest prices.

More importantly, however, RAINBOWfest and PCMFest are person-to-person events. They allow users the opportunity to meet other people who share their interest in Tandy computers in a fun and relaxed atmosphere.

RAINBOWfest and PCMFest begin Friday night, Oct. 11, with exhibits from 7 to 10. The CoCo Community Breakfast kicks off the Saturday session at 8 a.m. Exhibits are open from 10 a.m. to 6 p.m. The first seminar begins at 11:30 a.m. and the last, at 4:30 p.m.

On Saturday, exhibits open at 11 a.m. and close at 4 p.m. Seminars begin at 12:30 in the afternoon and run until about 3 p.m.

PCMFest will be in the same location as RAINBOWfest and exhibit hours are exactly the same.

Tickets for RAINBOWfest and PCMFest can be obtained by writing: RAINBOWfest, the Falsoft Building, P.O. Box 385, Prospect, KY 40059; or by calling: (502)228-4492.

The Hyatt Regency-Princeton is offering special room rates for RAINBOWfest and PCMFest - \$65, single or double room. Reservations can be made by writing RAINBOWfest or by contacting the Hyatt Regency - Princeton.

PCM and the Rainbow are published by Falsoft, Inc., in Prospect, KY.

FROM TANDY/RADIO SHACK COCO UPDATE

This article was published in the August 1985 issue of "Tandy User Group Newsletter", a new publication from Tandy Corporation/Radio Shack and is reproduced here with their permission.

The CoCo is alive and well! The Tandy 1000 may take over some of the high-end home market, but it won't impact the bulk of CoCo's audience. The CoCo is still the most computer you can buy ... most horsepower, most expandable, etc. ... for the money, anywhere!

There have been lots of rumors about a coming "Super CoCo". Well, it's no secret we're always working on upgrades and newer versions of all our computers. But, this one is still just a rumor. It's dangerous to try to look ahead too far in this business, so let me just say I'm confident you won't see a new one during 1985. Beyond that, I won't speculate.

I can tell you that philosophically, in looking toward possible new versions, it will be our aim to maintain upward software and peripheral compatibility to the greatest possible degree.

In our August catalog, look for a dozen or so new software packages, too. And rest easy... the CoCo isn't goin' anywhere!!

Editor's Note: From all indications, this newsletter was written by Ed Juge, director of market planning of the Tandy Corporation/Radio Shack.

NEXT MEETING FRIDAY AUG. 30th

UNDERCOLOR MAGAZINE "BYTES THE DUST"

UNDER COLOR, the magazine published by Dennis Kitz, a leading electronics wizard on the workings on the CoCo and the 6809 chip, stopped publication last month after about 7 months of existence.

In a letter to his subscribers, Kitz, writes, "UnderColor is the latest casualty among computer magazines. Let me tell you what happened, and what's happening next.

Debra Marshall and I started UnderColor when the Color Computer Magazine died. We thought computer users needed a magazine/newsletter combination that could tighten up the time lag between new information and its publication, so we determined to put out a bi-weekly magazine whose news was gathered just hours before the press rolled. We also wanted a publication that wasn't afraid to discuss difficult issues, so we decided on outspoken news, editorial comment, and articles. Finally, we were committed to an elegant and artful appearance --believing that the humanities are the crucial balance to cold technology -- so we put layout and photography in the hands of artist.

We pooled our limited resources..... and after a rough start, our first issue appeared December 10, 1984.

But we aren't "professional" publishers, and modern times can be tough. Remember Rainbow" ...I mean the FIRST Rainbow, all four dot-matrix pages of it. 12 bucks a year was the asking price --\$1 an issue..... A mere three years later UnderColor was introduced. For less than a \$1 an issue we offered not four dot-matrix pages, but 28 pages, typeset and printed, with top Color Computer authors. The articles were important, and you couldn't get information more timely --UnderColor was even mailed first class! But, as I said, modern times are tough. A dozen issues and 100 or so articles later, we have grown to nearly 2,000 subscribers, but have only a few faithful advertisers.

We kept costs very low, borrowing facilities, equipment and sometimes the staff of Green Mountain Micro and a cooperative New Hampshire publisher. Each staff member took home a handsome \$61 (yes, sixty-one dollars!) a week for salary and expenses. Our photographer worked for just the

A Memo
From

Roni DeGarmo



At the last meeting, Tom Roginski announced his full time entrance into the world of computer hardware & software. He is looking for products to market thru OWL-WARE, so if you have one, let him know.

Wayne Moody has developed "M.I.S.A.R.", a program which will be marketed by Tom. Wayne was generous enough to donate a copy of "M.I.S.A.R." to the club library for members use only. This is absolutely necessary for the financial success of "M.I.S.A.R." in which Wayne and Tom have invested quite a bit of time and money.

Thank you for your co-operation in keeping our club supportive of all our members.

cost of materials and our incredible supportive authors accepted no payment for their work. Just as important, our readers regaled us with letters, suggestions, kudos and complaints. It's been a labor of love for all of us.

But we just can't do it. We're done. Each issue cost about \$4,000 to produce, advertising is critical, and we've gone broke. Although we're not skilled businesspeople, we had hoped our seriousness, integrity and quality would carry forth our message. No deal. Most CoCo suppliers told us, "we'll watch how you do, then maybe consider advertising."

So that's the story. Now what are we going to do about it? First of all, we're not going to vanish from sight. And we're certainly not going to send you some lukewarm dishwasher magazine.

Let me tell you about a generous person by the name of Lonnie Falk. Lonnie, the founder of Rainbow, made me an offer several months ago. He liked UnderColor, but could see from the skimpy advertising that we were struggling. He offered to fulfill UnderColor subscriptions with Rainbow ("I'll probably only gain five new subscribers", he said) if we ever run out of cash.

So Lonnie's offer was generous and that means you UnderColor subscription will be fulfilled with Rainbow. If you're already a subscriber, you'll have a few more issues tacked on to the end. Two-year subscribers will eventually be refunded their second year by me. (And if you know anyone who wants all the back issues of UnderColor, we still have plenty. The postpaid cost is \$15 a set, an amount we can use to clear up our debts!)

UnderColor will still live in that I and some other UnderColor writers will write for Rainbow.

Disappointed? So are we. It's hard to lose something you believe in....my thanks to all of you for your support and friendship....Dennis Bathory Kitz, Publisher.

EDITORS' NOTE: I decided to publish most of the letter Jerry Behler received as a subscriber to UnderColor because I thought it explains the problems publishers today have and to sort of warn you members who have subscribed to new publications even before the came out with an issue and are "sort of" stuck when they go out of business. At least Dennis had the courtesy to send a personal letter explaining his problem and not like Color Computer, where you got a form letter saying that your subscription will be completed with Creative Computing - which has not little or nothing to do with the Color Computer.

Anyone wishing to get the back-issues of UnderColor should send \$15 to UnderColor, Box 6809, Roxbury, Vermont 05669

"COCO DEN"

215-866-1805

WHAT IS A MODEM?

The modem (MODulator/DEMODulator) is a communications device that lets your computer talk over the telephone line. Modems communicate over phone lines by means of carrier frequencies. Although it would be easier to send digital signals directly over the lines, it is impossible to do so because the phone lines were not designed to accommodate the high frequencies of digital signals. They were instead designed for the lower frequencies of human voices, between 300 and 3500HZ.

The modem works by using digital pulses to modulate a carrier wave whose frequency lies within this narrow range. The speed at which the pulses are sent is called the BAUD (bits per second) rate.

There are two standard baud rates currently used for modem communications. The most common one (and the one used by most inexpensive modems) is 300 baud. That rate amounts to 30 characters per second, or just about 300 words per minute.

Most smart modems, on the other hand, operate at 1200 baud, which is 120 characters per second and 1200 words per minute. In other words, what takes 5 minutes to transmit at 300 baud can be done in a little over 1 minute at 1200 baud. This difference could save you a lot of money if you transmit data long distance frequently. But the four-time increase in transmission speed wasn't accomplished by making the 300-baud modem work faster.

At 300 baud the carrier is modulated by frequency-shifted keying (FSK), a form of frequency modulation. At 1200 baud, though, FSK is not effective. Due to increasing losses in the phone line at higher speeds and high noise levels, frequency modulation just doesn't work. Instead, the carrier

must be phase modulated. Phase modulation encodes the digital bits on the carrier by shifting the phase of the sine wave back and forth, thus is called phase-shifted keying.

A modem can either ORIGINATE the communications line or ANSWER to receive data. The terms came about in the early days of mainframe computers. Then, when computer time was shared, instead of having a personal computer on your desk, you had a terminal. Since it was up to you to contact the mainframe when you needed computer power, your modem was called the originating modem. In turn the mainframe's modem was always the answer modem. Now, however, the words, "originate" and "answer" distinguish between the two carrier frequencies needed to complete a link.

For those member currently not owning a modem, Radio Shack is having a sale on the 1B direct-connect modem for \$49.95

So hurry to your local Radio Shack store or contact Micro-World II in Clinton to get your modem today and join the rest of your club members on "COCO DEN" 215-866-1505.

NEXT MEETING AUGUST 30th 7PM

The next meeting of PJ-CCC will feature the topic of Tele-Communications presented by club electronics whiz, Jerry Behler. Jerry will discuss "How to communicate with a modem" and the highlight will be a hook-up or link-up with the club's BBS "COCO DEN" operated by club member James Mangan of Bethlehem. If time permits, Joe Nuben will also demonstrate the two versions of McPaint as down-loaded from CompuServe.

ELECTRONIC-COMPUTER AGE

Continued from page 1

office to anywhere in the world. Telecommunications is when you can communicate or talk via your computer to any other computer system over the telephone line. Today this use is just beginning. Over the years it will allow you to access unlimited resources of information.

Many banks now have facilities to do transactions over the phone. You can transfer funds from checking and savings accounts to pay bills, from your own home. Bank of America on the west coast has such a setup. Just think of it, paying bills without writing checks, running to the post office for stamps, or even going to the vendor whose services you are paying for. This EFT or Electronic Fund Transfer will expand as the years go by, maybe even to the point of eliminating checkbooks.

Electronic mail is also another use of your computer over the phone. Many members have left messages on the "COCO DEN", the club's official BBS (Bulletin Board Service). These messages could be sent to any individual or even everybody that uses the "COCO DEN". This is very convenient to members within the club. However, you may send mail around the world through other special services such as COMPU SERVE or MCI MAIL.

Information retrieval is another use. You can retrieve just about any type of information with your COCO, modem,

and the right phone numbers. Many services such as COMPU SERVE and SOURCE, which are the two largest as far as home / business / professional are concerned provide a large resource of libraries to search. Thru these libraries you may find just the information you are looking for, whether it is a research paper on a school project, or an airline schedule.

Businesses are becoming more computer dependent lately, everybody is getting VDT's (Video Display Terminals) on their desks. These greatly increase production, and with faster results. Many people are taking their work home with them! They communicate over the phone lines with their computers at work! No need to sit back in the office, work is completed in the privacy of your own home.

These were just a few examples, or as they say, "The tip of the iceberg". I would be willing to bet anybody that reads this article, the following prediction. As computer prices are constantly dropping, very powerful systems will be available at lower costs. Because of this, I predict that in 10 years, any home that has a telephone will have a home computer system. It will be used as much as if not more than their telephone. So in 1995, give me a call, who knows, maybe my computer will answer!

THE COCO PHONE BOOK

3. OFFICIAL COCO BBS LIST APPROVED BY THE COLORAMA HEADQUARTERS

LAST UPDATE MAY 26 4:00 AM 90% VERIFIED

A = 24HR/7 Days N = Night time & Weekends L = No public access,
 ? = down when called, O = Odd hours

Phone number	Sysop Name	System Name or loc.	State	Comp.	Code	System
201-572-0617	Peter Jablow	COLORAMA Highland Pk	NJ	Coco		A COLORAMA
201-773-8265	Ted Altoz	Meadowlands Coconet	NJ	Coco	1200	A COLORAMA
201-485-8094	Tom Liebold	Hudson County BBS	NJ	Coco		A COLORAMA
201-791-9656	David Fisher	Colorama Fairlane	NJ	Coco		A COLORAMA
201-827-7815	Allan Davenport	COLORAMA Odgenburg	NJ	Coco		A Colorama
201-928-9488	Howard Wolkovitz	Colorama Jackson	NJ	Coco	1200	A COLORAMA
201-928-0949	Michael Jury	Colorama Jackson	NJ	Coco		A Colorama
203-669-1165	Rick Blowin	Westbrook Colorama	CT	Coco		A COLORAMA
212-423-4623	Tom Dionysion	Coco's Nest Farmingd	NY	Coco		A Colorama
212-423-4623	Arnold Schiffman	Queens	NY	Coco		A COLORAMA
212-682-0681	Steve Schechter	Grand Central Term.	NY	Coco	1200	A Colorama
213-673-4054	Richard Garcia	Coloram of Lax	CA	Coco		A Colorama
215-866-1805	JIM MANGAN	COCO DEN BETHLEHEM	PA	Coco		
215-865-2734	JIM MOYER	COLOR TRIAD Bethlehem	PA	Coco		
219-234-9717	Bill Sagendorf	PHOENIX South Bend	In	Coco		A COLORAMA
219-493-7251	Jerry Clary	Advanced Color Softw	IN	Coco		N COLORAMA
219-691-2327	William Keirn	Whitley County BBS	IN	Coco	1200	A Colorama
301-363-3499	John Ferber	Colorama Owing Mills	MD	Coco		N COLORAMA
301-736-9425	Vincent Jones	Colorama Forestville	MD	Coco		A COLORAMA
301-924-4385	Craig Luecke	Colorama of Brinklow	MD	Coco		A Colorama
304-599-0760	George Vargo	Mountainier Morgant.	WV	Coco		A Colorama
304-925-3338	Bob Vaughan	21.-Century Connect	WV	Mod4	L	A Tbbs
304-344-xxxx	Bruce Haley	The Program Store	WV	Coco		N Colorama
305-997-6830	Terry Weiss	Colorama Boca Raton	Fl	Coco		A COLORAMA
305-981-8173	Dan Schoenbaum	The Assembly Line	FL	Coco		A Colorama
305-525-1192	Alan Watson	FT. Lauderdale	FL	Mod1		A ?
305-731-6097	Larry Hughes	Hughes-A-Vision	FL	Coco		N COLORAMA
308-665-1526	Rick Hungerford	COLORAMA of Crawford	NE	Coco		N COLORAMA
312-879-6811	Rich Parry	COLORAMA Batavia,	Il	Coco		A COLORAMA
313-981-5061	Wade Hampton	Canton	MI	Coco		A Color 80
315-782-5447	Paul Stevens	COLORAMA Watertown	NY	Coco		N COLORAMA
319-277-0646	Karl Langenwalter	Colorama Cedar F.	IA	Coco		A Colorama
319-396-8875	David Barrett	Bloom County Herald	IA	Coco		Colorama
401-353-5034	Mike Labbe	Colorama Providence	RI	Coco		A Colorama
401-765-2890	James Williams	Colorama Woonsocket	RI	Coco		A Colorama
402-289-4555	Larry Chase	Colorama Omaha	NE	Coco	?	A COLORAMA
404-237-0375	Jimmy Dingess	Colorama Atlanta	GA	Coco		A COLORAMA
405-248-8433	Noel Fallon	Lawton	OK	Coco	?	A ??
405-726-6134	Jim Morgan	COLORAMA of Hobart,	OK	Coco		A COLORAMA
405-528-3175	Ted Freeman	COLORAMA Oklahoma Ct	OK	Coco		COLORAMA
409-948-3357	Bob Hall	Coco Nuts Texas City	Tx	Coco	1200	A COLORAMA
412-479-3183	Bruce Rummel	Lil'Wee Colorama	PA	Sunday only		Colorama
412-744-2335	John Yurek	Coconet Pittsburg	PA	Coco		A Original
413-592-0766	Michael Dion	Colorama of Chicopee	MA	Coco		A COLORAMA
509-582-4456	R.L. Guillen	Ventura Online	WA	Coco	1200	Colorama
512-285-5028	Peter Banz	COLORAMA Headquart's	TX	Coco	1200	A COLORAMA

512-353-1508	Dave Roberts	Colorama San Marcos	Tx Coco	1200	N	Colorama
512-451-3677	Kevin Basey	Spellbinders Castel	TX Coco		N	Colorama
515-277-6510	James Corcoran	COLORAMA Des Moines	Ia Coco		A	COLORAMA
516-277-1285	Bob Candina	COLORAMA Islip Terr.	NY Mod4		A	Tbbs
516-331-3718	John Atkins	COLORAMA Jeff Point	NY Coco		N	COLORAMA
516-473-5621	Ron Lammardo	Colorama Port Jeff.	NY Coco		A	Colorama
601-875-8688	Larry Corran	Colorama Ocean Spr.	MS Coco		A	COLORAMA
601-793-8915	Joseph Polk	Colorama Popularv.	MS Coco		N	COLORAMA
602-726-4107	Ray Stutler	Sanddune Colorama	AZ Coco	1200	A	Colorama
604-399-7108	Peter Hess	Colorama Ocean City	NJ Coco		N	Colorama
614-472-5621	Gene Miller	Colorama Gahanna	CA Coco		A	Colorama
615-688-8349	Mike Philiphs	K-80 Color Board	TN Coco		A	COLORAMA
615-839-3130	Paul Drake	Colorama Monterey,	TN Coco		A	COLORAMA
616-956-9553	Tom Mix	Forum80 Grand Rapids,	MI MOD4		A	Forum 80
617-879-4086	Mike Cohen	Colorama Farmingdale	MA Coco		A	COLORAMA
617-433 5689	Greg Moore	Arlington	MA Coco		A	Color 80
619-437-1130	David Tipton	The Monitor BBS	Coco		A	Colorama
702-972-3737	Aaron Wolfe	Colorama Reno	NV Coco		A	COLORAMA
702-323-2415	William Rees	Colorama Conn. Reno	NV Coco		A	COLORAMA
707-437-6336	Dan Daniel	Travis AFB	CA Coco		A	Color 80
714-534-5174	Fred Wright	OCCA-BBS Orange cty	CA COco	1200	A	COLORAMA
714-524-8475	Mike Plegel	Colorama Placentia	CA Coco		N	COLORAMA
716-473-2334	Jon Dickason	COLORAMA Rochester	NY Coco		A	Colorama
717-652-8659	Scott Woolf	COLORAMA Harrisburg	PA Coco		A	Colorama
718-251-2528	Brian Greenwald	The big BG's Coco	NY Coco		A	Colorama
803-669-3275	Dennis Deringer	COLORAMA of Florence	SC Coco	1200	A	COLORAMA
804-842-1133	Floyd Ancher	One Musketeer Board	Va Coco		A	Colorama
805-484-5491	John Basque	COLORAMA o.Camarillo	CA Coco	1200	A	COLORAMA
805-656-7390	Jack Sanders	Colorama Ventura	CA Coco		A	Colorama
813-474-0491	Jim Kocmoud	Lemon Bay BBS	FL Coco		A	COLORAMA
813-924-2626	Dana Campbell	Sarasota	FL Coco		A	Color 80
815-485-6663	John McGinn	COLORAMA Braidwood	Il Coco	?	N	COLORAMA
816-232-4932	Rick Drozd	Dragons Lair	MO Coco		A	Colorama
817-641-0133	James Redmon	Dragonfire	TX Coco		N	Colorama
907-452-4829	Michael Harry	Colorama Fairbanks	AK Coco		A	Colorama
914-965-7600	Fred Siudym	COLORAMA Yonkers	Ny Coco		A	COLORAMA
914-232-4582	Michael Sebar	Undersea Kingdom	NY Coco		A	COLORAMA
914-965-2355		Westchester BBS	NY Coco		A	COLORAMA
916-381-8788	Charles Doughty	COLORAMA Sacramento	CA Coco		A	Colorama
919-758-4757	Stuart Respass	Colorama Greenville	NC Coco		A	Colorama

349 RAT

***** INTERNATIONAL LISTING *****

***** CANADA *****

78621-0063

403-280-8957	Tim Bellart	Calgary Coco Club	Alberta	A	COLORAMA
403-594-6195	Harry Ratajczak	Medley BBS	Alberta	A	Colorama
506-382-2190	Leo Allain	Can. Color Connect.	NB	N	COLORAMA
514-432-3901	Ronald Bleau	C.O.A. BBS	Quebec	A	COLORAMA
604-595-2312	Murray Jobs	Datafact Software	B. Columbia	N	COLORAMA
604-949-9732	Dave Porter	Port Hardy	B. Columbia	N	Colorama
705-942-5565	Alfred Poirier	Colorama St. Marie	Ontario	A	COLORAMA
902-683-2086	Jeff Pine	COLORAMA Pt.Mouton	Canada	A	COLORAMA
902-857-9843	Bruce Hall	Colorama Hubarts	Nova Skotia	A	COLORAMA
902-434-5278	Peter Allan	Colorama Darthmouth	Nova Skotia	N	Colorama

The list is frequently updated. If you know about a new BBS, leave a message on the COLORAMA HEADQUARTERS 512 285 5028.

ON-LINE WITH YOUR COCO

EDITOR'S NOTE: This article by Steve Pitino was published in the February issue of 6809 EXPRESS and is re-published here because of the special issue on telecommunication.

If you're tired of those same arcade-type games for your COCO, then maybe the CoCo SIG on CompuServe is your answer. If you have a modem and a terminal package then you have what it takes to be one of the thousands of SIG members nationwide. The color SIG can open new worlds for your COCO.

The CoCo SIG has something for everyone. If your thing is downloading public domain software (my favorite), exchanging mail with others, or having an online conference with many users, then you will love the SIG.

To access the SIG, simply enter '60 PCS-126' at any prompt while on CompuServe. You will then enter the CoCo SIG where you will be given a menu containing different selections. These include - *Enter Message, Read Message, Conference Mode, Up/Download, Set New Parameters* and some lesser commands. I will give you a general description of the up/download section, since that is the hardest to understand.

When you enter the download section, you will see another menu. This includes scan files, browse through files, and download file. I recommend the browse through files function. In the browse through file section, you will be asked for age, and key. The age selects the number of days prior to the date you are calling that you wish to browse through. The key selects the key word or words to search for in the program description. This is helpful if for instance you are looking for a printer program, you could type 'printer' as your key, bypassing all non-printer programs (or at least the ones without the word 'printer' in their descriptions). Once you enter the age (days) and key, the descriptions of the programs under these specifications will be displayed. You may then choose to either download the file, go onto the next file, or return to the main SIG menu.

If you choose to download the file, you will be asked what type of protocol to use. In most cases, it will be captured protocol. If you aren't sure, refer to your terminal manual. I know for a fact that ASCII transmissions with VIP Terminal is captured protocol, but i'm not sure what Colorcom-E and others use. CompuServe will close your buffer after sending the file. If you plan to download more than one file, you must then save and clear your present

buffer. Also, since the downloading menu is broken up by categories, make sure you are in the right one when hunting for a file. That is, don't try to find PacMan in the utilities section.

Once you have downloaded all the files you wanted, simply find your way back to the top (main) menu of the SIG and exit the SIG (unless of course you have other business to attend to on the SIG). See, it's simple!!

Well, that's a brief overview of the CoCo SIG's file transfer system. As I said before, the message base and conference modes are fairly simple. If you get stuck, there are many help files to explain things further.

I hope to see PJ-CCC members using the SIG as it is a lot of fun. Drop me a message anytime.

- Steve Pitino
(72125,552)

ASCII EXPRESS IS ON-LINE

The following was downloaded on 8/23/85 from (215)253-1236.

The Ascii Express file transfer system is aimed at the Color Computer and it's users. Therefore only files written for the Color Computer and files compatible with the Color Computer are welcome here.

The system is quite simple to understand once the system commands are learned. These include:

(L)og drive - change the present drive number (Currently drives 0,2,and 3 are in use).

(S)end file - used to receive a file from system to your computer

(C)hat mode - enables you to talk to the sysop,(system operator), directly if he is in at the time.

(D)irectory - gives you a directory of the drive number specified by the 'Log drive' command.

(R)ecieve file - used to send a file from your computer to the system.

(G)oodbye - logs you off the system.

Sending/Receiving files can be done in three ways. These are XMODEM, ASCII, and WP (format used by Intelliterm). You will need to consult your terminal's guide for information on which protocol to use.

One other thing. To save online time, commands can be linked together. For example s;test.bas;x would send the file test.bas in XMODEM. Just use a semicolon between commands.

Steve Pitino (sysop)

"COCO DEN"
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BE CAREFUL WHAT YOU DOWN-LOAD

Club members are urged to check out programs they download from Bulletin Board Systems they are not familiar with before storing that program on a disk with other important programs. A recent Associated Press article in the newspapers describes a graphics program known as "Arf! Arf!" as one which destroys all other programs on the disk.

A vandal or (hacker?) places the "Arf! Arf!" program on BBS' around the country and when a curious computerist picks out the vandal's program, it automatically devours all of the other programs stored in the computer.

Richard Streeter of New Jersey had 900 programs stored in his IBM AT computer, accumulated over several years, and he felt pretty good about it. The one night, Streeter was paging through the Long-Island based "Family Ledger" BBS when he saw a program that promised to improve his computer's graphics. He down-loaded the program into his computer, and sat back to watch it work.

Instead, those 900 programs - programs that help keep accounts, programs for word processing, game programs - had vanished. In their place was a simple gibe, designed to make the victim put a fist through the screen:

"ARF! ARF!" said the computer. "GOT YOU!"

Streeter finds it hard to describe his feelings at that moment. "One, there was disbelief. Secondly, just devastation," he said.

According to PC Magazine, there are several versions of the "Arf! Arf!" program circulating. In each case, the

programs promise enticing things and deliver another.

When the vandals log on to the BBS, they generally give phony names, addresses and telephone numbers, and then they feed their program - known in the computer world as a "Trojan Horse."

Bill Machrone, editor of PC Magazine, said such pranks have been very prevalent on campus computing situations forever," but had more recently extended to the general public.

Streeter said some computer enthusiasts have spread the contagion unintentionally by copying the program and then offering it on a bulletin board without first testing it.

Al Stone, whose "Family Ledger" was the source of Streeter's misfortune, tests programs, but "Arf! Arf!" did its damage before he could take a look at it.

Luckily, Streeter had back-ups of 850 of the destroyed programs and was able to restore them after a days work.

But at a time when "hackers" have been known to invade military and other computer, Streeter fears more mischief is on the way: "Worms" that eat away at memory gradually as they are used, and programs that may work the first, second and third time, but then gobble your computer library on the fourth go-around.

So make sure when you down-load software from a BBS you test it first before storing it in your files. And don't forget -always make a back-up of your files for safety's sake.

ON-LINE WITH YOUR COCO

If you have a modem for your COCO and a terminal software program you can "tap" into an in-house library of data. According to a recent survey, 13.7 per cent of the country's 9.4 million home computer owners have modems and more than 50 per cent of PJ-CCC members have modems.

The survey also discovered that more than 47 per cent of home computer owners plan to buy a modem during this year.

CompuServe, the biggest general-interest information service, has more than 160,000 subscribers and is adding more than 5,000 members a month.

With your fingers on the COCO keyboard you can:

- * Look up information in an encyclopedia.
- * Find profiles and research colleges and universities.
- * Check out reviews of software and hardware and movie reviews.
- * Read the up-to-the-minute news and sports stories.
- * Check for a specific health tip or get advice on child care.
- * Plan a vacation with the help of airlines and hotel lists.
- * Do your banking. (Three New York banks offer this service now).
- * Use the electronic mail services to send messages back-and-forth.
- * Chat with other COCO owners on the CB on-line service.

To hook into one of the information services, you buy the starter kit or pay a one-time initiation fee of between \$35 and \$75, and an hourly fee of \$6 to \$75. You'll be sent a

user's manual, a computer telephone number and an identification number or personal password to use when signing on.

According to a recent newspaper article, more than 5,000 home computer users called CompuServe's "Discover Orlando" information service. This service provides hotel and other tourist information to families planning a Disney World vacation in Florida.

Some of the general-interest information services for home computer users are:

* COMPUSERVE, 5000 Arlington Centre Blvd., Columbus, Ohio 43220. (800) 848-8199. \$39.95 starter kit, \$6.25/hour. Offers news, weather and sports, airline schedules, Hollywood news, an encyclopedia, information on wine, parenting, choosing a college, house prices, car care, food tips and CB Simulator. You can also play games and participate in forums.

* THE SOURCE, 1616 Anderson Rd., McLean, Va. 22102. (800) 336-3366. \$49.95 registration, \$7.75/hour. Offers news, weather, sports, horoscopes, TV highlights and movie reviews, The New York Times best-seller book list, recipes, airline schedules, job-hunting tips, reviews of computer hardware and software.

* DELPHI, 3 Balckstone St., Cambridge, Mass. 02139. (800) 544-4005. \$49.95 registration, \$6/hour. Offers medical and drug information, airline schedules, an encyclopedia, news,

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ON-LINE WITH YOUR COCO

Continued from page 9

weather and sports, movie reviews, for-a-fee library searches and hotel rates.

* DOW JONES News/Retrieval General News and Information, P.O. Box 300, Princeton, N.J. 08540. (800) 257-5114. \$75 registration or \$50 monthly subscription, \$7.80 to \$12/hour. Offers profiles of colleges and universities, medical and drug information, an encyclopedia, news, weather and sports along with movie reviews.

* KNOWLEDGE INDEX, Dialog Information Services, 3460 Hillview Ave., Palo Alto, Calif. 94304. (800) 227-5510. \$35 registration, \$24/hour. Offers "Books in Print", magazine index, news, government publications, academic and professional data bases.

* AMERICAN PEOPLE LINK. Arlington Ridge Office Center, 315 N. Frontage Road, Suite 1505, Arlington Heights, IL 60004 (800) 524-0100. \$29.95 Registration fee. \$2.95 an hour on-line charge with credit cards. Features PARTYLINE-meeting people and talk live with other members throughout the country in groups or privately, CLUB-LINK - join or start a club devoted to a favorite hobby, rock group, lifestyle, etc.; WHO-IS-WHO - locate others with similar interests, NETMAIL, PEOPLESCAN, the national bulletin board system, and play games, such as poker, chess, checkers, backgammon or bridge and more.

* BRKTHRU, 1200 Rt. 7, Latham, NY 12110 (800) 345-4BRS. BRKTHRU gives you access to major databases - over 65 of them - covering business, finance, science, the biosciences, medicine, education and social sciences and the humanities as well as general reference. Prices start as low as \$17.50 and range to \$125 per hour on-line time. BRKTHRU is a service of BRS Information Technologies. Anyone interested in this see the librarian for the complete package describing all services and costs.

* ABI/INFORM, Data Courier Inc., 620 South Fifth St., Louisville, KY 40202 (800) 626-2823. Summaries of articles from more than 500 international journals. Subjects include accounting, data processing, economics, finance, human resources, law and taxation, banking and telecommunications. Approximate costs are \$73 per hour.

* AMA/NET, GTE Telenet Medical Information Network, 8229 Boone Blvd., Vienna, VA 22180. (703) 442-1000. Articles and general information from the American Medical Association publications and medical literature, including drug and disease information and socio/economic bibliographic information.

* OAG-EE, Official Airline Guides, 2000 Clearwater Drive, Oak Brook, IL 60521 (800) 323-2537. Schedules of over 600 North American and 40 International airlines, for passengers and cargo flights. Available by itself or through CompuServe, Dialcom, I.P Sharp, and Dunn & Bradstreet.

* CONNEXIONS, Professional Data Corporation, 55 Wheeler St., Cambridge, MA 02138. (617) 492-1690. Confidential recruiting and job-listing service covering more than 100 companies in such high-tech fields as engineering and data processing, as well as sales, marketing, and finance.

* Survival Communications Forum, 1435 Sebastopol Road, Suite 210, Santa Rosa, CA 95407. (707) 545-0746. This is a

bulletin board system for people interested in self-sufficiency, survival and emergency preparedness. It features electronic mail, a resource database, and file transfer.

* SEXTEX, CVC Online, 801 Second Ave., New York, NY 10017. (212) 986-5100. An adult online service featuring EROTICOMM and operated by High Society Magazine. The board features, Conferencing (EROTICOMM), Shopping (SEXSHOP), Electronic Mail, Polls, Personals, Bulletin Boards, Special Interest Groups, Games, Travel and much more. Initiation fee is \$12.95 and evening rates cost about 20 cents a minute. Anyone interested in this see the librarian for the complete brochure listing.

These are some of the companies providing On-Line services and some of the things they feature. All offer specialized information services for professionals in various fields along with E-Mail services.

Some other specialized companies will be featured in an upcoming newsletter.

For the COCO SIG on CompuServe read Steve Pitino's article featured elsewhere in this newsletter.

MESSAGE ON COMPUSERVE CHARGES PJ-CCC WITH PIRACY

Jerry Behler announced at the last meeting held July 25 that someone who evidently gets the 6809 EXPRESS left a message on CompuServe charging that the club is making and selling CoCoMAX boards.

Jerry said the impression in the message infers that such information was published in the newsletter, but checking through the back issues no such information can be found.

Jerry explained that the hardware SIG group made one Analog to Digital converter board, which has nothing to do with CoCoMax, no boards were sold and no pirating was attempted.

Jerry will make an attempt to identify whoever left the message on the CompuServe board, but in checking with Jerry last week, he has not found the message on the system and believes it is no longer in the file.

I hope whoever left the message on CompuServe reads this brief note and doesn't try such a thing again or else.....

MEETING MINUTES OF JULY 25, 1985

Continued from page 2

Also since the topic of the next meeting is COMMUNICATIONS, a modem will be required. Indicating he could bring that was Jerry Behler club electronic wizzard. Also Jerry will present the program at the next meeting. No other new topics were raised so motion to adjourn the meeting was made by Reinhold Radke and seconded by John Loper. The meeting was adjourned at 7:48pm. The topic of the night was MUSIC presented by club member Robert Zugates who demonstrated the play and sound commands of the COCO.

Submitted by
Tom Castronuova
Secretary

6809 EXPRESS FORMAT COPIED BY COLOR AMERICA

Color America Users Group, Inc. of California, the largest Color Computer Club in the U.S. has copied the format of PU-CCC's 6809 EXPRESS for the newsletter.

A recent letter from our West Coast Correspondent Tony Cappellini, who is also a member of Color America, included a xerox copy of the "COLOR CHRONICLE" front page featuring their "new" format.

To quote from the introductory article of COLOR CHRONICLE, "Well, it's been a lot of work, so we hope you've noticed and appreciated our new newsletter. Aside from the fold out pages, we also have strived for a more professional look on the inside as well. They say (something like) "Duplication is the best form of flattery", so the PENN-JERSEY COLOR COMPUTER CLUB should be very flattered. We were so impressed with their "6809 EXPRESS" that we decided it was time to re-vamp the Color Chronicle."

As current editor, I am proud of our accomplishment as a "premier" newsletter in the U.S. The thanks goes out to all the members who have helped write articles for the newsletter and especially to Jerry Behler, the first editor who started the newsletter and Tom Castronuova, the first elected editor, who originally set up the current format which has been copied by Color America Users Group.

Therefore, I would like to see more articles contributed to the 6809 EXPRESS, to make it bigger and better yet. Especially those many new members who have joined in the

last couple of months - you are new and should have many "new" ideas for publication in the newsletter. Anyone with any articles, please give them to me at the meetings or call me and I will make arrangements to get the copy, disk or cassette from you.

MICROCOMPUTER SHOW IN NEW JERSEY SATURDAY, SEPT. 7 AT MEADOWLANDS

The New Jersey Microcomputer Show #14 will be held Saturday, September 7 from 9 a.m. to 5 p.m. at the Meadowlands Hilton Hotel, Rt. 3 & Meadowlands Parkway in Secaucus, N.J. (Exit 16 W of NJ Turnpike - 1 mile east of Giants Stadium).

The show will feature 400 vendors featuring home, hobby and small business computers, software, parts, books, magazines, etc. There are two exhibit areas and free parking is provided.

Cost for the Ken Gordon Production is \$7.00 for adults and \$4.00 for children (5-12).

Vendors interested in exhibiting should call 800-631-0062 to make arrangements. Cost for the indoor exhibit area is \$50 per table, which includes one admission, one table and chair. Electricity is available for \$10 extra per table. Outdoor (but covered) fleamarket spots in the parking garage are \$30 each.

COPY ME

YOUR TURN. Complete the following table showing all combinations for 4 bits or 4 lights. We omit the switches because they are hard to draw.



BITS	LIGHTS	Instructions
0000	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
0001	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	▼ You do the lights
0010	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	▽ You do the bits
0100	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	▼ You do the lights
0101	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	▽ You do the bits
0111	<input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	▼ You do the bits and the lights
1001	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	▽ You do the bits and the lights
1010	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	▼ You do the bits and the lights
1011	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	▽ You do the bits and the lights
1101	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	▼ You do the bits and the lights
1110	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	▽ You do the bits and the lights

Four bits provide 16 distinct OFF-ON (0 or 1) combinations. Relax! We won't ask you to write out the combinations for 5 bits. As you have probably guessed, 5 bits provide 32 distinct combinations. And... 6 bits provide 64 distinct combinations. With 6 bits, we could represent the letters of the alphabet (A through Z), the decimal digits (0 through 9), punctuation symbols (space, period, comma and so on) plus several special characters (+, *, #, %, and so on) by assigning a unique binary 6-bit code to each character.

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MIMED MASTERS MADE EASY

By Clyde Gano

The September 1984 issue of RAINBOW contained an article by Valarie Rhead on how to use the COCO to make Ditto or Spirit Process stencil masters.

I read the article with great interest and I also put it to good use.

However, as most users will agree, Ditto machines have two drawbacks: 1- the most popular color is still purple 2- the number of copies from one master is limited.

Besides the Ditto, our church has a mimeograph machine available. This allows almost limitless, inexpensive copies and, of course, black ink. Using a Gemini 10X printer, I experimented with Gestetner brand white masters with great results.

After entering the copy in COCO's memory, I am able to

do a final edit by printing on standard paper before making a mimeo master.

The masters are thin enough so I need make no print head adjustment.

The masters are as evenly cut as with any electric typewriter.

Copy such as standard headers can be saved in COCO's memory and reused.

My master or stencil source informed me that this type of stencil is available to fit most any mimeograph.

My primary use is the printing of a church newsletter with a circulation of 160 members, but school teachers, personnel officers, small businesses and the like might find this idea useful.

RESPONSE TO A NEED

In the May issue of the 6809 EXPRESS we told of the need for a volunteer assistant treasurer, particularly for the months of September and October.

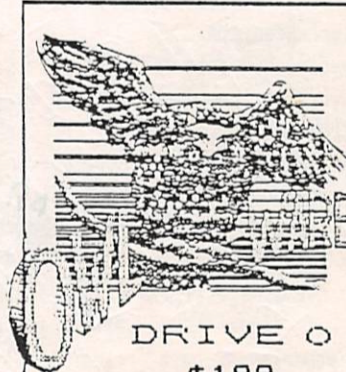
At the very next meeting Warren Searfoss spoke to me and said he would be glad to help and so we arranged to get together at subsequent meetings.

We had terrible weather at last month's meeting but that didn't stop Warren from braving the rain and riding all the way from Lehigh on his motorcycle.

In a manner of speaking, one might say that Warren's good deed added another liquid asset to the Club's treasury.

Thanks, Warren.

--Clyde Gano
PJ-CCC Treasurer




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NEXT MEETING
AUGUST 30th 7PM



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