1st Annual ATLANTA COCOFEST

ATLANTA

Best of Luck
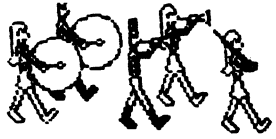
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MANDATE

This newsletter is published by the Calgary Color Computer Club which has no affiliation with Radio Shack or the Tandy Corp. The club is a non-profit organization whose members share an interest in the Tandy Color Computer and other MC68xx(x) microcomputers. The primary purpose is to promote the use and understanding of micro computers generally and the 6809 microprocessor in particular.

MEMBERSHIP

Membership is open to all who are willing to observe the Constitution and By-Laws of the Club. Visitor's fees $3.00 per meeting. One year memberships are available at the meetings. Membership rates: Sr.'s or Jr.'s $10.00, Regular $20.00, Families $30.00. Member entitlements: admission to meetings, voting rights, monthly copy of Llist (except Jul & Aug),use of the Club library and participation in all Club sponsored activities.

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CORRESPONDENCE

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    P.O. Box 22, Stn. ."M",
    Calgary, Alberta
    Canada T2P 2G9

DISCLAIMERS

SUBMISSION GUIDE AND DEADLINE

Deadline... 2 weeks before monthly meeting. Material received later may not appear until the next issue.

Articles submitted should be on disk in ASCII and UNFORMATED. I will return your disks at the next meeting. Please ensure your name is on the disk and at the top or bottom of the text or the program submitted.

Please make ref to diagram & sketch in text as fig.1, 2, etc. Articles may be uploaded to the LAST CONNECTION BBS. See instructions on-line for upload procedures. Be sure to leave a message to the SYSOP, advising him of your contribution to the list.

FREE ADVERTISING

Free advertising will be given to all Members having Coco related hardware/software computer items for sale. ONLY ORIGINAL SOFTWARE will be accepted for sale adds. The Editor reserves the right to determine size, format, and placement of adds. The normal deadlines apply.

THE LAST CONNECTION BBS PHONE NO'S
(formerly the Ultimate BBS)

For 300 and 1200 Baud.........249-5360
For 1200 and 2400 Baud........249-5365

FROM THE EDITOR'S DESK
=======================

This issue seemed to come upon me all of a sudden, I've been very active with other duties this past month. PLUS four of us were all planning our trip to Atlanta, Bruce, Percy, John Eng and myself. By the time you read this we will have seen and heard it first at the Fest!

Our first meeting of the new season saw only a small membership, it seems that most everyone was out of town or was their a hockey game that night? <grin>.

Well, where are all those questions that you want answered? I didn't receive any mail or phone calls! So there will not be a Q&A column this issue, but I'm still hoping that my new contributor will have his other article ready for this issue.

Is anyone interested in having an extensive demonstration with a video digitizer at one of the regular meetings? If so, lets ask Chuck to put one on for us in the future. I for one would like to see a demo! How about you?

There is one question that keeps on being asked by RS-DOS'ers and that is: "How can I access the back side of my disks (drive 2 and 3)"? Well, first of all you have to have drives that will read side 2 or side 3. Next, type in the following listing:

```
Listing:"SETUP/BAS"
0 REM SETUP ROUTINE
1 POKE 150,x REM PRINTER BAUD RATE 1=9600 7=4800 18=2400 40=1200
87=600
2 POKE&HD7C0,&H00   REM sets 6ms step rate
3 POKE&HD816,&H14   REM sets 6ms step rate
4 POKE&HD89F,&H41   REM sets up drive 2
5 POKE&HD8A0,&H42   REM sets up drive 3
```

          OR ALL ON ONE LINE AS SHOWN BELOW

```
1 POKE150,x:POKE&HD7C0,&H00:POKE&HD816,&H14:POKE&HD89F,&H41:
POKE&HD8A0, &H41
```

Type in one of the above setup routines, save it in ASCII eg:
SAVE "SETUP/BAS",A <ENTER>. Load any program that you would like to access either side of your drives. list the first 10 lines eg:
LIST -10 <ENTER>, (most programs start at 10). make sure that the setup routine line number is not the same as line numbers in the program (if it is, renumber the setup routine).

NEXT; type the following:

MERGE "SETUP/BAS" <ENTER>   next   SAVE " program_name " <ENTER>.
VOILA! You now have a program that (when run) will be able to access both sides of you disks.   - HAVE FUN -

That's it for another issue and remember, I could use most any articles that are computer related and some other also. So give me a call or give them to me at the meeting.

                                             Gerry McCleary
                                             Editor

Message From The President

As I write this I'm also formatting/backing up disks and printing labels for a new Eliminator shipment to FHL, and generally scurrying around in my attempt to prepare for the upcoming Atlanta CoCoFest. By the time this is published I'll no doubt be busy catching up on the pile of new stuff that will have accumulated over the CoCoFest weekend. Thank goodness for my CoCo 3 and OS-9, at least I can attempt to keep my CoCo busy with several tasks, though I'm afraid it still manages to keep just ahead of me most of the time!

Atlanta CoCoFest

I expect to see all the new "CoCo 4" entries, including one that I've just recently heard of, from Peripheral Technologies. This one is a little different from the others, but might be just the thing for some who are interested in an OS-9/68000 machine. In addition to the new machines, I think there'll be a new item or two for our current CoCos. I understand Tony DiStefano has been working on a new colour video digitizer for the CoCo... maybe it will be demonstrated at this 'Fest. In any event I'm sure that we'll be bringing back as much information as we can get, to share with the club.

I'm also told that Rainbow magazine will be represented at the CoCoFest, though they're not the hosts this time. From what I've heard so far, this 'Fest will be at least as well attended as the recent RainbowFests have been, with most of the major CoCo hardware and software dealers present. My congratulations to the Atlanta CoCo users who helped put the 'Fest together, and especially to Dave Myers of "CoCoPRO!" for his support.

Social Secretary Volunteer Still Wanted

The club is still in need of a new Social Secretary. Ron Van Hogezand has continued in this post, but would very much like to pass the duties on to someone else. Since he also serves as Disk BASIC software librarian, it is understandable that he'd like to give the coffee responsibilities to someone else. The duties of the Social Secretary are primarily to keep track of the coffee fund and supply the CCCC's general meetings with fresh coffee and soft drinks such as "juice boxes". If you can store the coffee equipment between meetings, carry the equipment to and from meetings, and get the coffee started approximately 15 minutes before the official start of the general meetings, this job is waiting for you. Please contact me if you can help.

Auction

This October meeting has an auction scheduled, and I hope its successful for everyone. I expect there'll be some bargains to be had, but remember... the more you pay, the bigger the club's 10% slice becomes! <grin> Just kidding, really, the club is not in too bad financial shape so just enjoy yourselves and don't worry about bidding outrageously for that well used copy of Dino-Wars!

The club has in its possession a number of items that failed to sell at previous auctions. I'm sure these will be going in bulk quantities for very low prices, so maybe you'll consider picking a few things up so I (and future presidents) don't have to store them? <grin>

Bruce Isted 90/10/01

User Definable Fields

Define all of your own data fields for YOUR application!

Output Expressions

Expressions, instead of just data fields, can be used for any output operations. Most BASIC-like expressions are valid.

Example:(quantity * unitcost) * .07

Unlimited number of key fields

Any field can be used as a key. There is no limit to how may fields can be used as a key. A separate file is used as an index for each key field.

Automatic sorting by any key field (FAST!)

Data - Window's indexing system uses the popular B-tree data structure for fast retrieval and automatic sorting. Data is always sorted by ALL key fields simultaneously.

Searching by any key field (FAST!)

It is possible to search for records by any key field. This search is super FAST due to the B-tree indexing scheme.

Record Browsing (sorted by ANY key field)

Browsing through records is possible with the arrow keys and from menu options. The B-tree indexing scheme allows record browsing to be sorted by ANY key field!

User definable data windows (database views)

A database is viewed through a special "data window". The data window is a user defined view into the database data. These make accessing the data attractive and user-friendly. Define text fields, input fields and output expressions.

User definable field edits

The "data windows" allow the user to define exactly how the data will look when input or output. This makes data validation easy.

Import/export/merge capability

The ability to import/export data from simple text files allows Data - Windows to communicate with other programs. The merge capability allows data to be easily transferred from one database to another.

Cut/copy/paste capability

Cut/copy/paste capability makes the communication between databases even easier. Cut records from one database and paste them in another!

Conditional printing capabilities

Determine if records should be printed (on reports or labels) with conditional expressions. Most BASIC like IF statement expressions are valid.

Example: (quantity * unitcost) > 500.00 OR rate < 200

Full report generation with conditional printing

Report generation capabilities including output expressions, output editing, multi-line output records, multiple break fields (sub-totals), multiple total fields, and conditional printing.

Full mailing label generation with conditional printing

Mailing label capabilities including output expressions, output editing, and conditional printing.

Multi - Vue interface makes it easy to use

Makes complete use of the Multi - Vue environment, but does not require it to run. If Multi - Vue is not present, All Multi - Vue functionality is duplicated in text mode.

Ready-to-run

Comes with pre-setup databases for a Rolodex, Magazine library, Video tape library, Home inventory manager, and Medical/insurance database.

Software support

We are distributing the DB9-90 file specifications (format used for Data - Windows files) freely. This will promote the growth of products that use this file format standard. We are hoping to make DB9-90 the new database standard for OS9. We will also be providing a programmer interface to the databases for even speedier development.

Growth

Data - Windows is only one part of a planned complete system of software using the DB9-90 format. Currently in the works are:

Data - Merge

A utility for using Data - Windows databases (DB9-90 format) inside of documents for mail-merging.

Data - Developer

A toolkit for developing applications that use the DB9-90 file format specifications. Included will be assembly language, C, and BASIC09 interfaces to DB9-90 databases.

Data - App

A utility for creating Data - Windows stand-alone applications without programming. Develop the system under Data - Windows, then use Data - App to make it a complete stand-alone program that can be uploaded, shared, and even sold!

Data - Forms

A system for creating and printing user definable forms from Data - Windows databases. Use Data - Windows to enter the data, use Data - Forms to print the forms.

HOOKED ON PROGRAMMING? - OR ARE YOU A PROGRAMMING ADDICT ???
===

By Don Veith

There are people who love computer programming. Quite a few
actually. I am one of them: a programming addict. The number of
programming addicts is growing geometrically with the sale of
affordable personal computers.

If you are a programming addict, perhaps you have tried to explain
yourself to friends and family and found you could not. Maybe you
have wondered if your addiction is healthy. The ideas presented
here will try to explain what the programming addiction is, why
people succumb to it, and what may be learned from this phenomenon.

The symptoms of a programming addict are listed below. THE
PROGRAMMING ADDICT:

1. Works Late, On Weekends, And At Home.

2. Thinks Programming Is Fun.

3. Cannot Stop Programming.

4. Suffers A Loss Of Time Sense

5. Uses Tell-tale Phrases
        (and behavior).

6. Possesses A Distorted Sense
        Of Values.

Programming addicts will work all evening or weekend forsaking other
commitments and people, including their own wife and children. It
is nothing for one to lose a sense of time and work all night long
going to work with a minimum amount of sleep or none at all. Many
people find it rather strange that they view their job as fun. Many
of them started programming for fun and ended up realizing people
would ACTUALLY PAY MONEY to an individual for doing something they
enjoy!

Programming addicts cannot stop programming. When elevated to
manager positions, the managing task with its paper work and
meetings causes great anguish by reducing the programming time
available. The never cured addict actually begs his boss not to
remove the terminal, which there now is so little time to utilize,
from his office. All work and meeting schedules are banished to the
Ozone fringe when one of the manager's programmers states the bug in
this program cannot be located. It triggers that old nemesis of a
heartache called Programmer's addiction. Removing the victim from
the pleasurable task at hand, finding a coding error, may cause
withdrawl symtoms and will definitely reduce your life expectancy if
not accomplished in an organized and careful manner. Have you ever
viewed GODZILLA and GHENGIS KHAN At the same moment. My advice is
to avoid this type of confrontation. Hidden monsters may arise
suddenly in the most timid Programming Addict when a key train of
thought is interrupted. Be assured you WILL BE ADDRESSED in a voice
that uses words most people are not aware exist. Additionally, YOU
WILL BE REMINDED CONSTANTLY for a very long period of time that your
10 level interruption on his Richter Disturbance Scale, maxed out of
course, caused the Addict great delay in the search for that elusive
rascal of a program bug. Oh yes, a program bug is invisible, cannot
be eliminated with the aid of an exterminator, and causes great
anguish until located, removed and summarily executed in a correct
manner!!

when the dedicated Programming Addict is on the trail of a program
bug, nothing will be allowed to interrupt until it has been located.
I MEAN NOTHING!! Many Computer Widows will readily attest to the
Quest Fervor which TOTALLY CONSUMES AND CONTROLS her resident
Programming Addict. No amount of feminine wile or intrigue can
overcome THE SACRED QUEST for that damned program code error.
Normal reflexes and awareness of the surrounding habitat and its
human accessories go totally unnoticed until the Programming Addict
announces with great pomp and ceremony , "THE QUEST HAS ENDED!! I
have located the dasterdly devil in my quadrempholenic hystersis
zouperdroopper dribblrrrz spritzen haufperpeper's secondary
auxiliary standby backup secondhand philiophronicking memory chip's
controller sync bit address's register entry point!!!! "

Now, if you can identify that piece of computer equipment, you are
an absolute and totally dedicated Programming Addict. Imagine what
we sound like while whipping our high tech slang onto each other as
the uninitiated and technically droll people look at us like nuts
headed for the processing plant? Who ever inferred Programming
addicts fit any normal mold of humanity!

All kidding aside, programming does provide an outlet for
recognition. What can replace the telephone call or personal
conversation with someone who has used a program written by you.
The comments," I am using the program you created and its great."
Just the fact that YOUR PROGRAM is being used is a sufficient reward
for most of us. Conversations with appreciative users is icing on
the cake to provide incentive for further program development
effort.

The sense of conquest from controlling a device and making it do
mundane and routine tasks is another ego motivator. A unique
pleasure may be derived from reducing a large complex multi-faceted
problem to a simple task. It does require a sense of dedication to
the task at hand to undertake, yet let alone , complete the
reduction of a complex task into a simple procedure. A programmer's
job is finished when the last modification or revision of their work
is completed. The programmer was successful and can look back to
review the list of accomplishments represented by software created.
Very few things in life provide this clearly defined sense of
accomplishment.

The end result (a program) does not justify a Programming Addict's
ignoring their complete surroundings. Remember when you start to
hassle your resident computer enthusiast, at least you can always
locate him although requests, even pleading pleas for attention or
assistance, go completely unheeded. His toy is bringing him home
each evening. The communication level , if it existed at all, is at
a much lower level than intelligent life had believed was ever
possible. Besides, if you cannot get your resident Programming
Addict's attention, why not join that nut with their Quest Fervor
and find out what is so fascinating about computers. Perhaps a
future Forth , Pascal, or Assembly Language Programming Addict is
lurking in your own subconcious mind. You will never understand the
joys AND frustrations of working with a computer until you
personally atempt to use the infernal device. Their role and
importance in our world today is increasing.

The idea for this article was taken from "Hooked On Programming"; by
Allen Watson; which appeared in the March, 1985 issue of The DEC
Professional Magazine. The "Symptoms Of The Programming Addict" and
the first two (2) paragraphs were extracted from this article
verbatium.

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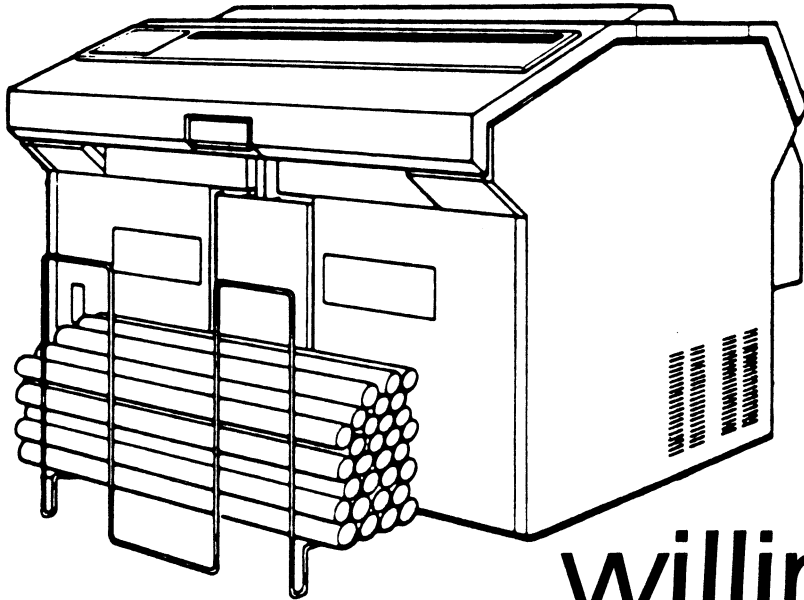
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DISK BEGINNERS CORNER

If you are like the average CoCoist, you get along pretty good with your CoCo. You like to use it, and even know a little Extend Color Basic programming. You also first stored your programs on tape. Then you heard about how much better a disk drive is than a tape recorder, and bought a disk for yourself.

Now, if you're like me (a lazy CoCoist), you don't have too many backups of disk files. And to date, my household (wife and daughter are also -CoConuts) have found 63 ways to lose, smash or otherwise glitz disk files. I have accounted for 61 of them.

My personal favorite is to try and make my floppy drive into a hard drive by leaving my floppy with six hours of keypounding saved on it in the drive and turning off the drive and computer. "Oh no," I say as I realize my mistake, and without thinking, turn everything back on to check the disk. Of course, I left the disk still in the machine. "#***'#

I know that there are ways to save information on crashed disks, but I don't know how. Hence, this first in what I hope to be a series of articles on disks, and Disk Extended Basic. Hopefully, I will learn about disks, how they work, how to save crashed files, and how to use the disk commands in simple programs. It might be easier to just make backups...Naawwwww...

Ok, so let's start at the beginning. You bought a new box of diskettes. Now what? If you try to store some information on a brand new disk, your CoCo gives you an I/O (Input/Output) error message. Why? The drive did not know where to store the information. We have to first initalize the disk so CoCo knows where on the disk to store information. The Disk Extended Color Basic (DECB from now on, OK?) command for this is DiSK INitalize drive #, skip. Type this ;DSKINI 0,4¿ ¡Enter¿. Your disk makes a bunch of noise and after a while your screen gives you the old 'OK' prompt. You can now store information on this disk. "So, what," you ask, "happened to the disk?"

Well, CoCo divided the disk up into many compartments and labeled them all so it knows where to put data, and more importantly, where to find it when you want it. Imagine your disk being a very large desk. Coco divided the desk into 34 rows (tracks) with each row having 18 drawers (sectors).

Now, imagine that each row (track) can hold about 6250 marbles (bytes). That means that each drawer (sector) holds about 338 marbles. Let's get more specific, a disk is then formatted into 34 tracks. Each track contains 18 sectors. That's about 218,750 marbles! Whew! How does your Coco keep track of where those marbles are? How does it know where a particular group of marbles (file) begins or ends?

That's the job of the disk directory. It is the most marvelous thing about a disk. The directory will tell you everything about a given file on the disk. If you know what to look for.

The directory resides on track 17. More specifically, track 17, sectors 3 to 11 hold all the names of the files. A typical directory looks something like this:

FLOWER BAS 0 B 2

FLOWER is the 'filename' of the program. A filename can be any combination of letters and numbers 8 characters or less. BAS is the 'extension' to the filename. It can be any combination of letters and numbers with a maximum of 3 characters. Many programs use the extension to identify that a file was produced by it. For example, a picture file on a disk may have the extension of MAX. This lets you know that it was made by a program named CoCoMax.

Under normal conditions, your extension will read BAS, BIN, DAT, or DOC. These in turn mean a BASic program, a BINary program, DATa file, and DOCumentation.

The next column also tells what kind of file the program is:

0 Basic program
1 Basic Data file
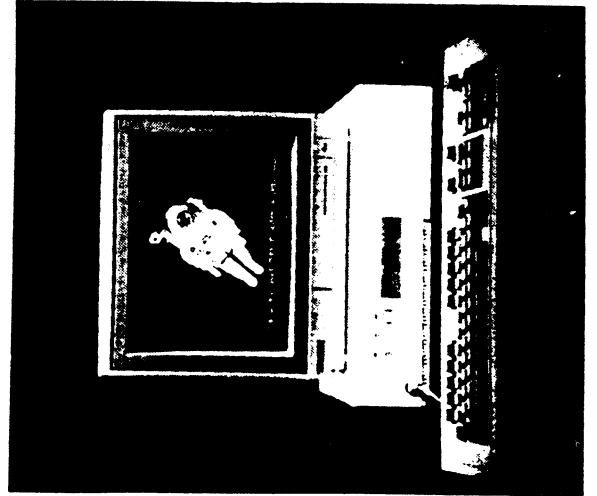2 Machine language file
3 Text Editor source file

The last column gives the total number of granules used to store the program or file. This gives you some idea of file length. What's a granule, you ask?

Well, that's next month's article, along with finding out why your disk has something called a FAT table, and why it's sooo important. We will also look more closely at what some of the bytes of the directory mean. I hope you have enjoyed reading this little article, 'cause I sure had fun writing it. Now if I can only learn how to spell.
- **Tim Klesch**

ARTICLES WANTED

No.	NAME		ADDRESS	CITY	PROV	P-CODE	PHONE	TYPE	EXPIRY
34	BERGER	KENNETH	1717 42ND STREET S.E.,	CALGARY,	AB	T2A 1L9	235-1833	FAMILY	11/30/1990
44	BERGMAN	KIM	2020 HOME ROAD N.W.,	CALGARY,	AB	T3B 1H5	288-2938	REGULAR	09/30/1990
29	BLOOR	JAMES	2025 27 STREET S.W.,	CALGARY,	AB	T3E 2E8	246-7961	REGULAR	10/31/1990
97	BROWN	MORNA	2208 18A STREET S.W.,	CALGARY,	AB	T2T 4W4	245-5953	REGULAR	03/31/1990
19	BUCHANAN	BUCK	212 QUEENSLAND CTR S.E.,	CALGARY,	AB	T2J 4E5	278-1070	REGULAR	09/31/1990
43	BUNTING	CHARLOTTE	9719 71ST AVENUE,	GRAND PRARIE,	AB	T8V 5E1	532-3412	SENIOR	12/31/1990
47	CARMELOTES JR.	JOSE	2604 63RD AVENUE S.W.,	CALGARY,	AB	T3E 5J7	240-4527	REGULAR	01/31/1991
11	CHRISTIANSON	TOM	43 BERWICK RISE, N.W.,	CALGARY,	AB	T3K 1C9	274-1299	REGULAR	08/31/1990
39	CONRAD	CHAD	54 MIDRIDGE DR. N.E.,	CALGARY,	AB	T3J 2V4	280-8870	JUNIOR	12/31/1990
04	CRAIG	ED	18 HAGER PL., S.W.,	CALGARY,	AB	T2V 3L9	253-6262	REGULAR	04/30/1990
30	CREVELS	FAMILY	212 60TH STREET S.E.,	CALGARY,	AB	T2A 4K2	248-8049	FAMILY	10/31/1990
03	DAVIES	MAL	6 9117 19TH ST., S.W.,	CALGARY,	AB	T2V 1R3	238-1304	SENIOR	03/31/1990
48	DAWKIN	NORMAN	203 RIVERBROOK WAY S.E.,	CALGARY,	AB	T2C 3S7	279-5026	REGULAR	02/31/1991
37	DAZE'	JEAN-PAUL	413-520 21 STREET S.W.,	CALGARY,	AB	T2S 0H1	229-9224	REGULAR	11/20/1990
42	DENOUDSTEN	RON	4424 35TH AVENUE S.W.,	CALGARY,	AB	T3E 1B3	240-3806	REGULAR	09/31/1990
09	DOOLITTLE	ERIC	412-815 1ST STREET S.W.,	CALGARY,	AB	T2P 1N3	266-6127	REGULAR	09/31/1990
38	DOUGLAS	FRED	3407 19TH STREET N.W.,	CALGARY,	AB	T2L 2A9	284-1682	REGULAR	12/31/1990
94	DYCK	BRYAN	P.O. BOX 542,	MIDNAPORE,	AB	T0L 1S0	256-3175	JUNIOR	01/31/1990
02	DYKES	SASHA	3 RUNDLECAIRN PL. N.E.,	CALGARY,	AB	T1Y 3C3	285-0081	JUNIOR	03/31/1990
26	ENG	JOHN B.	P.O. BOX 2066,	PINCHER CREEK,	AB	T0K 1W0	627-2040	REGULAR	11/30/1990
32	FOSTER	DAVID	3 VAN HORNE CRES., N.E.,	CALGARY,	AB	T2E 6H2	291-4016	REGULAR	11/30/1990
36	GRANT	ALEX	404 42ND STREET S.W.,	CALGARY,	AB	T3C 1Y3	242-2602	REGULAR	03/31/1990
98	GREEN	ART	P.O. BOX 19,SITE 9,RR 5,	CALGARY,	AB	T2P 2G6	936-5629	SENIOR	03/31/1990
99	GREEN	IRENE	BOX 19,SITE 9, RR 5,	CALGARY,	AB	T2P 2G6	936-5629	SENIOR	03/31/1990
54	HAWTHORNE	SEAN	12 BROOKMERE GDNS.,S.W.,	CALGARY,	AB	T2W 2R6	251-5019	REGULAR	06/30/1991
93	HIDES	LARRY	88 BIG SPRINGS DRIVE,	AIRDRIE,	AB	T4A 1K2	948-4487	REGULAR	01/31/1990
05	HOBSON	LISA	2 819 2ND AVE., S.W.,	CALGARY,	AB	T2P 0E6	237-6197	REGULAR	05/31/1990
50	ISTED	BRUCE	527 LAKE NEWELL CR S.E.,	CALGARY,	AB	T2J 3L7	271-5827	REGULAR	10/31/1990
49	JOHNSTON	KEN	H522 4020 37 ST. S.W.,	CALGARY,	AB	T3E 3C4	242-3485	REGULAR	08/31/1990
95	KIHN	ART	3122 DOVERVILLE CR. S.E.	CALGARY,	AB	T2B 1T9	569-9139	REGULAR	01/31/1990
21	KRASSMAN	DON	6336 DALSBY RD., N.W.,	CALGARY,	AB	T2A 1M8	288-8314	REGULAR	09/31/1991
23	LAVALLIE	RICK	9212 5TH STREET S.E.,	CALGARY,	AB	T2J 1K5	259-5207	REGULAR	01/31/1991
53	LOUCKS	GUY	#B 1914 26A ST., S.W.,	CALGARY,	AB	T3E 2B7	249-5358	REGULAR	08/31/1990
35	MARTENS	TIM	7 SPRUCE GROVE CRES.,	AIRDRIE,	AB	T4B 1V3	948-3587	REGULAR	11/30/1990
12	MCCLEARY	GERRY	3712 WHITEHORN DR.,N.E.,	CALGARY,	AB	T1Y 5C4	280-8663	REGULAR	09/31/1991
07	MCCOOL	HARVEY	106 3222 83 STREET N.W.,	CALGARY,	AB	T3B 2P9	247-0385	REGULAR	05/31/1990
40	MCCOOL	LARRY	271 BURROUGHS CIR.,N.E.,	CALGARY,	AB	T1Y 6K8	280-4157	REGULAR	12/31/1990
01	MCCUTCHEON	BILL	BOX 8062, STN 'F',	CALGARY,	AB	T2J 2V2	256-1877	REGULAR	03/31/1990
17	MCDONALD	PERCY	121 1220 8 AVE., N.E.,	CALGARY,	AB	T2E 0S6	230-8010	SENIOR	09/31/1991
22	MUSSELWHITE	JOHN	519 36th STREET S.W.,	CALGARY,	AB	T3C 1P8	249-8464	REGULAR	09/31/1990
25	NEISH	BRIAN	#5 7524 BOWNESS RD. N.W.	CALGARY,	AB	T3B 069	288-2335	REGULAR	10/31/1990
16	NEUMANN	KLAUS	BOX 48028,	MIDLAKE RPO.,	AB	T2X 3C0	256-7153	SENIOR	09/31/1991
15	NOWAKOWSKI	MARIAN	331 MCKNIGHT BLVD.,N.W.,	CALGARY,	AB	T2K 1R6	276-4227	REGULAR	09/31/1990
33	OLSON	MARG	179 MILLCREST WAY S.W.,	CALGARY,	AB	T2Y 2K1	256-4255	REGULAR	11/30/1990
51	ROBERTSON	DALE	P.O. BOX 82,	RUSH LAKE,	SK	S0H 3S0	784-2657	REGULAR	03/15/1991
10	ROELOFS	WILLARD	#2 2106 50TH STREET S.E.	CALGARY,	AB	T2B 1M7	248-9011	REGULAR	08/31/1990
20	SCHROEDER	OLAF	506 21ST AVENUE N.W.,	CALGARY,	AB	T2M 1J7	274-2101	REGULAR	10/31/1990
14	SMITH	ROY	1507 20A STREET N.W.,	CALGARY,	AB	T2N 2L6	289-3128	SENIOR	09/31/1990
08	TOPOROWSKI	BRENDA	2615 106 AVENUE S.W.,	CALGARY,	AB	T2W 4H7	251-2144	REGULAR	06/31/1990
18	TORREY	CHUCK	BOX 41, SITE 20, RR 2,	CALGARY,	AB	T2P 2G5	288-9696	SENIOR	09/31/1991
46	TOWSON	DON	832 CANNELL RD., S.W.,	CALGARY,	AB	T2W 1T4	281-2855	REGULAR	08/31/1990
56	Trigg	Nicola	45 Arbour Cres., S.E.,	Calgary,	AB	T2J 0X6	253-5649	REGULAR	06/30/1991
06	TUTT	GEORGE	2239 42ND STREET S.E.,	CALGARY,	AB	T2B 1G4	569-0689	REGULAR	05/31/1990
13	VAN HOGEZAND	RON	9508 ALLISON DR., S.E.,	CALGARY,	AB	T2J 1B5	255-7663	REGULAR	09/31/1991
31	VOGLER	HERMAN	3907 74TH STREET N.W.,	CALGARY,	AB	T3B 2N5		FAMILY	11/30/1990
55	WHITE	LUKE	4331 19TH AVENUE N.W.,	CALGARY,	AB	T3B 0R6	288-6098	SENIOR	08/31/1990
52	WIEBE	ART	5808 TEMPLEHILL RD.,N.E.	CALGARY,	AB	T1Y 4B9	280-0604	REGULAR	04/31/1991
	WILLIAMS	JERRY	52 BUTLER CRES., N.W.	CALGARY,	AB	T2L 1K3	284-4901	REGULAR	09/31/1991
28	WRIGHT	JOHN	1523 21A STREET N.W.,	CALGARY,	AB	T2N 2M7	284-3645	REGULAR	10/31/1990

THE FOLLOWING MEMBERSHIPS ARE NOW DUE

No.	Name		Type	Expiry
94	DYCK	BRYAN	JUNIOR	01/31/1990
93	HIDES	LARRY	REGULAR	01/31/1990
95	KIHN	ART	REGULAR	01/31/1990
97	BROWN	MORNA	REGULAR	03/31/1990
03	DAVIES	MAL	SENIOR	03/31/1990
02	DYKES	SASHA	JUNIOR	03/31/1990
36	GRANT	ALEX	REGULAR	03/31/1990
98	GREEN	ART	SENIOR	03/31/1990
99	GREEN	IRENE	SENIOR	03/31/1990
01	MCCUTCHEON	BILL	REGULAR	03/31/1990
04	CRAIG	ED	REGULAR	04/30/1990
05	HOBSON	LISA	REGULAR	05/31/1990
07	MCCOOL	HARVEY	REGULAR	05/31/1990
06	TUTT	GEORGE	REGULAR	05/31/1990
08	TOPOROWSKI	BRENDA	REGULAR	06/31/1990
49	JOHNSTON	KEN	REGULAR	08/31/1990
53	LOUCKS	GUY	REGULAR	08/31/1990
10	ROELOFS	WILLARD	REGULAR	08/31/1990
11	CHRISTIANSON	TOM	REGULAR	08/31/1990
55	WHITE	LUKE	SENIOR	08/31/1990
46	TOWSON	DON	REGULAR	08/31/1990
44	BERGMAN	KIM	REGULAR	09/30/1990
19	BUCHANAN	BUCK	REGULAR	09/31/1990
42	DENOUDSTEN	RON	REGULAR	09/31/1990
22	MUSSELWHITE	JOHN	REGULAR	09/31/1990
09	DOOLITTLE	ERIC	REGULAR	09/31/1990
14	SMITH	ROY	SENIOR	09/31/1990
15	NOWAKOWSKI	MARIAN	REGULAR	09/31/1990

Total   28

Calgary Flames 1990-91 NHL Schedule

■ Home Games   ⬚ Away Games
☐ TV Games
Home Game Times
Mon. to Fri. - 7:35 p.m.   •   Sat. & Sun. - 6:05 p.m.
Dec. 31 - 6:05 p.m.   •   Mar. 31 - 1:35 p.m.

MOLSON CANADIAN

Flames Games on TV
CFAC TV - Channel 2, Cable 7
CBRT TV - Channel 9, Cable 6

All Games on Calgary Flames Radio
66 CFR

OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4 VAN	5	6 TOR
7	8 WPG	9	10 DET	11	12	13 N.J.
14 CHI	15	16	17	18 ST.L.	19	20 BOS
21 EDM	22	23 L.A.	24	25 EDM	26	27 WAS
28	29	30 N.J.	31	Copyright © 1990 Calgary Flames Hockey Club All Rights Reserved		

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
				1 WPG	2	3 TOR
4 BUF	5	6 PIT	7	8 PHA	9	10 NYI
11 NYR	12	13	14	15 NYI	16	17 BUF
18	19 VAN	20	21	22 L.A.	23	24 CHI
25	26	27	28 WPG	29	30	

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
						1 MTL
2 QUE	3	4	5 NYR	6	7 QUE	8
9 EDM	10	11 MIN	12	13 L.A.	14	15
16 VAN	17	18 VAN	19	20 L.A.	21	22 EDM
23	24	25	26	27 EDM	28	29 HAR
30	31 MTL					

JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2 WPG	3	4	5 DET
6	7	8 TOR	9	10 PIT	11 WAS	12
13 WPG	14	15 WPG	16	17	18	19 ALL-STAR GAME CHICAGO
20	21	22 PHA	23 HAR	24	25	26 BOS
27 BUF	28	29	30 NYR	31		

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2 CHI
3	4	5 N.J.	6	7 BOS	8	9 HAR
10	11	12 L.A.	13	14	15 WAS	16
17 ST.L.	18	19 DET	20	21 VAN	22	23 QUE
24	25 VAN	26	27 EDM	28		

MARCH

SUN	MON	TUE	WED	THU	FRI	SAT
					1 PIT	2 MIN
3	4 MTL	5	6	7 PHA	8	9 ST.L.
10 MIN	11	12 WPG	13	14 NYI	15	16 L.A.
17	18 WPG	19	20 VAN	21	22	23 L.A.
24 31 L.A.	25	26 VAN	27	28 EDM	29 EDM	30

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CCCC OS-9 SIG'S 1990-91 SCHEDULE

REGULAR OS-9 SIG

DATES		MEETING PLACE
1990		
September 4 & 20	============	Meeting at: Gerry McCleary's Home
October 4 & 18	============	Meeting at: Don Krassman's Home
November 8 & 22	============	Meeting at: Bruce Isted's Office
December 6th only	============	Meeting at: Ron Van Hogezand's Home
1991		
January 3 & 17	============	Meeting at: Guy Louck's Home
February 7 & 21	============	Meeting at: Sean Hawthorne's Home
March 7 & 21	============	Meeting at: Don Towson's Home
April 4 & 18	============	Meeting at: Ron Van Hogezand's Home
May 2 & 16	============	Meeting at: Rick LaVallie's Home
June 6 & 20	============	Meeting at: *** open ***

THE IMS SIG

DATES		MEETING PLACE
1990		
September 27	============	Meeting at: Gerry McCleary's Home
October 25	============	Meeting at: Don Krassman's Home
November 29	============	Meeting at: Bruce Isted's Office
December **	============	Meeting at: No meeting this month
1991		
January 31	============	Meeting at: Guy Louck's Home
February 28	============	Meeting at: John Musslewhite's Home
March 28	============	Meeting at: *** open ***
April 25	============	Meeting at: *** open ***
May 30	============	Meeting at: *** open ***
June 27	============	Meeting at: *** open ***

ADDRESSES:

Sean Hawthorne
12 Brookmere Gdn S.W.,
281-7343

Rick LaVallie
9212 5th Street S.E.,
259-5207

John Musselwhite
519 36th street S.W.
249-8464

Bruce Isted
(office address)
#6 6125 11th St. S.E.,
271-5827 (res)

Guy Loucks
B 1914 26A St. N.W.,
249-5358

Don Towson
832 Cannell Rd. S.W
281-2855

Don Krassman
6336 Dalsby Rd. N.W.
288-8314

Gerry McCleary
3712 Whitehorn Dr. N.E.
280-8663

Ron Van Hogezand
9508 Allison Dr. S.E.,
255-7663

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GROUP	DATE	PLACE	ADDRESS	PHONE
CLUB	Nov. 14th,	OGDEN LEGION	2625 78th Ave S.E.	

BEGINNERS	Questions and answers at all regular meetings PLUS Call Chuck Torry most any time............288-9696

RS-DOS Intermediate	Pending... For more information please call: Ron Van Hogezand at................255-7663

OS-9 and IMS sigs	(Complete 1990-91 schedule on preceding page)

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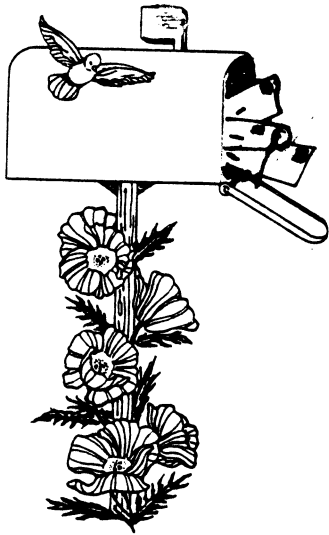
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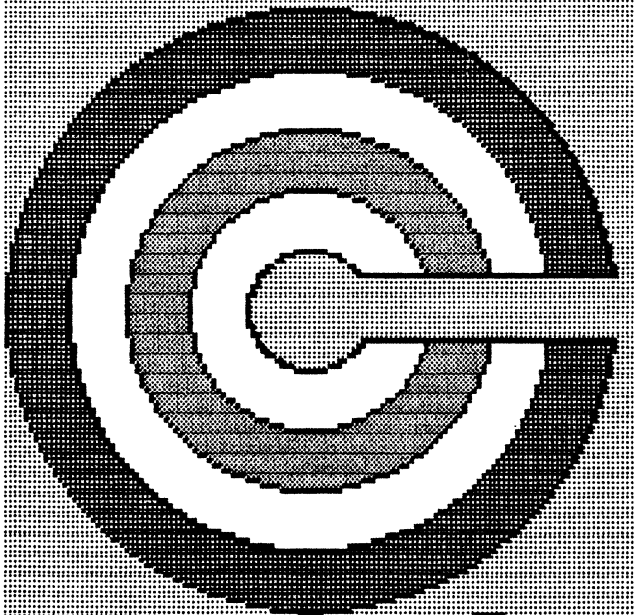
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