

MOTD

President's Column

By Dale L. Puckett

The OS-9 User's Group has been moving right along since that fateful day in mid-August when several hundred of you -- gathered in Des Moines, IA for the second annual Microware OS-9 seminar -- elected new officers and gave us a mandate to make it go. First, let me introduce your new officers.

Peter Dibble, our Vice President, is the Head of User Services at the University of Rochester in New York. An avid OS-9 fan, Pete writes the monthly OS-9 column for **68 Micro Journal**. He knows OS-9 backwards and forwards and has even written an alternate Shell which you may see in our User Group Software Exchange Library some day soon.

Tom Murphy, our Secretary, is President of Suntel Systems Corp. in Earth City, Mo. In case you're wondering, Earth City is a suburb of St. Louis. Tom uses OS-9 daily in his business which serves telephone companies around the country. His GIMIX hardware and OS-9 software join forces to monitor operator-handled traffic in the nationwide telephone network. Suntel helps its customers get the most efficient use out of their equipment.

George Dorner, our treasurer, is an educator and veteran OS-9 User. He teaches at Harper College, a community college in Rolling Meadows, a Chicago suburb. George is one of the few who run OS-9 on an Apple. He uses the "Mill" and served our User's Group last year by running the Bulletin Board from a timesharing computer at the college.

Your President is a warrant officer in the U. S. Coast Guard and author of Microware's new book, "A Complete Tour Guide of BASIC09". He also writes a monthly OS-9 column for **Rainbow**, a magazine dedicated to Color Computer users. He uses a GIMIX Level II system and is the author of Esther, Readtest, Help and DynaSpell on 6809 based computers and co-author of "The Speller" from the Hayden Software Company on the IBM PC. An amateur radio operator since 1957, he has been using 68XX microcomputers since 1975 when he cut his teeth on a SWTPC rig with MIKBUG and 12K of memory.

KUDOS BRIAN

Thanks to Brian Capouch and his officers for coming up with the idea of an OS-9 Users Group and holding it together during that first trying year. Brian pushed the idea of a Software Exchange for OS-9 Users and gave it the boost needed for a quick start at the OS-9 Seminar this past August. You'll see his name several times in the list of software available in our library.

MORE KUDOS

Thanks to Ken Kaplan and all the programmers at Microware for the encouragement they gave us.

And, thanks to Jeanne Kaplan and the other gals at Microware who signed us up with our own Post Office box and promised to faithfully forward our mail each week.

Thanks to Richard Don at GIMIX who donated a Level III system for our bulletin board. And, to Bobby Phillips for letting him do it and Mike Magnus for maintaining it. You'll read a lot about our new bulletin board in George Dorner's column.

Thanks to Frank Hogg at FHL who has offered to duplicate and distribute our Users Group software.

Thanks to Jim Bellomo who set up an OS-9 Users SIG on Compuserve. His user ID is 71625, 240 if you want to contact him.

Thanks to James Widdowson at KEMTRONIX (UK) LTD, High Street, Compton, Berkshire, England RG16 ONL for donating a copy of DynaMail to the Users Group officers so that we can maintain our membership list easily. DynaMail is a selective indexed mailing list and marketing analysis system.

Thanks to Dave Lissiuk, Software Manager at Springbok Digitronics in Silver Springs, MD and Milan Chris Getting of the JBM Group in King of Prussia, PA for volunteering to assist with the communications committee.

Thanks to Don Williams at **68 Micro Journal** and **Color Micro Journal**, Bill Sias at **Forum Sixty-Eight**, Dr. Bud Pass at **System 68** and Lonnie Falk at **Rainbow** who agreed to publish all the information we could write about the users group.

And finally, thanks to Dr. Rudolf Keil of Germany who volunteered to be our contact point in Europe. He is maintaining contact with George so that we have a way to get information to and from Europe.

OUR CHAIRMAN

Two members deserve special credit and recognition. Dave Kaleita, manager of the engineering and test department at the Jabil Circuit Co. in Troy, Michigan volunteered to chair our Software Exchange Committee. Dave is an active member of the Southeast Michigan Computer Club. He's doing a great job despite the fact that this is probably the hardest and most time consuming job in the Users Group.

Tom Westhoff of Westronics in Willmar, MN is the chairman of our communications committee. He is designing a bulletin board that will look and act like OS-9. In fact, it will be OS-9. We feel that operation will be a snap for the oldtimers and a tremendous way to introduce OS-9 to new users. You'll read more in George's column.

OUR PURPOSE

We'll start by quoting from our new by-laws.

"The purpose of the OS-9 Users Group is:

1. To stimulate and sustain interest in computers in general, and in OS-9 in particular.
2. To promote the cooperation and exchange of information between members.
3. To conduct programs and activities to promote fraternalism and to advance the general interest and knowledge of members.

When you elected us in August, you gave us three mandates:

1. Incorporate the Users Group and if possible obtain a tax exempt status.
2. Establish a method of communication to and from our members.
3. Coordinate with overseas OS-9 users and attempt to establish a continuous flow of information across both the Atlantic and Pacific.

After the election, your officers met and established some secondary goals to augment the three tasks you mandated. We decided that building our membership would be one of our foremost goals. By doing this, we would create the opportunity for local clubs to form in many cities. Through this social medium our new members would have the chance to learn from the oldtimers. The local clubs could then communicate their desires through our bulletin board and Compuserve.

We also wanted to emphasize education. We thought that by getting the oldtimers to tell sea stories to new OS-9 users in local clubs we could serve the many newcomers brought to us by Tandy's introduction of OS-9 on the Color Computer.

Speaking of education, here's a great idea I picked up from Richard Don at Gimix. We could put a CoCo "Help" directory on our OS-9 bulletin board. This directory could be packed full of hints for the new OS-9 user and answer those questions we all had when we first started using this outstanding operating system. Do we have any volunteers? Call George Dorner if you would like to help work something like this up. When your pride and joy is on the air, Pete and I will spread the word in the trade press.

We hope to coordinate your wishes and make this Users Group a viable voice for the OS-9 User so we will be in a position to make your desires known to the management at Microware. We will tell them which utilities you would like to see developed and the type of enhancement you would like to see in the future. We will strive to bring solid support to every OS-9 user.

We knew that if we were to achieve the goals stated above we would need a large active member-

ship. To get that we would need an incentive. We decided that the most effective incentive would be to establish a Software Exchange which gave you access to a large selection of OS-9 software.

In an attempt to accomplish all of this we decided to use a structured approach. Four committees would form the heart of the Users Group. Each officer would work with the chairman of one of the committees.

Tom Murphy, our secretary tackled the administrative chores with the help Tom Westhoff, George Dorner, Brian Capouch and others.

George Dorner heads up the communications effort. He works hand in hand with Tom Westhoff, chairman of our Communications committee and Dr. Keil our point of contact with European OS-9 users.

Peter Dibble tackled the membership problem and is moving the effort along nicely with the assistance of Ken Kaplan and the staffers at Microware, Richard Don at GIMIX, Frank Hogg at FHL and many others in the industry.

And finally, I agreed to work with Dave Kaleita to help establish a viable Software Exchange program. Dave has done a tremendous job and you'll see the impressive catalog he has mustered elsewhere in this newsletter. Thanks to Frank Hogg's offer to take care of our duplication and distribution we are going to be able to deliver user written, public domain software to you for only \$3.00 per disk. Further, we hope to pack at least 10 programs on each disk.

As a bare minimum, everyone who joins the OS-9 Users Group will receive one disk free. Dave will select programs that he thinks are needed in everyone's "toolbox." Included will be a simple data entry program that will make it easy for you to submit your own programs and a modem program so you can get on line and talk to our OS-9 Users Group bulletin board.

So, with this resolve and much enthusiasm we left Des Moines and began our planning. Our next meeting would be a conference telephone call in early September. That meeting went well, as did the second conference call in mid-October. You'll see the results of those calls in each officers committee report in this newsletter.

POST OFFICE BOX

Thanks to Ken Kaplan and the office staff at Microware, we now have our own mailing address. Please send all mail to us at this address. Ken's secretaries say they will empty the mailbox once a week and mail it to one of the officers. He in turn will see that the proper officer or committee chairman answers your correspondence. Here's the box number:

OS-9 Users Group
P. O. Box 8027
Des Moines, IA 50301

SOFTWARE EXCHANGE NEWS

By Dave Kaleita

We've accomplished a lot since we left Des Moines last August. Thanks to quick decisions from our new officers and a lot of friends in the industry we will soon have a very exciting software exchange program. In fact not too long after you read this newsletter, you should be receiving your first disk.

The first program on our first disk is a quick data entry utility that will make your future submissions to our library quite painless. You will only need to answer a few questions, copy your program on to the disk and put it in the mail.

Here's how our software exchange will work. First, all current members will receive one disk containing a selection of programs. In addition to the quick data entry program mentioned above, we also hope to give you a modem program and eight to 10 additional utilities. Each new member will also receive this disk. When Pete receives a membership application and the annual membership fee (\$25.00), he will immediately forward a mailing label to Frank Hogg who will ship the disk.

I'll be putting together several additional disks, each containing eight to 10 programs. They'll probably be grouped by type, i.e., BASIC09, 'C', PASCAL, COBOL, etc. As I complete the new disks, I'll forward the master to Frank, who will keep it on file. We'll publish a list of the utilities and programs available on these disks in the trade pubs.

There are two ways for you to get one of these additional disks. If you have a program you would like to donate to the Users Group, send it to us at Post Office Box 8027, Des Moines, IA 50301. You will receive your choice of one of the additional disks FREE.

If you don't have a program to donate, don't worry. It's still almost painless. To receive an additional disk, send us a letter with the number of the disk you would like and \$3.00 dollars. This will cover the expense of making the disk. You may buy as many of the additional disks as you like. They will all be available for \$3.00 each.

Please remember however, if this software exchange is going to work, we are going to have a continuous input of software. That means somewhere along the line you are going to have to contribute your share.

We'll all be ahead in the long run. It makes absolutely no sense for each of us to spend all that time re-inventing the wheel. The OS-9 Users Group Software Exchange is an exciting answer to that problem. We all stand to gain. All software will be Copyrighted in the name of the original author and the OS-9 Users Group.

We will be able to ship these disks in five-inch, eight-inch standard OS-9 and five-inch Color Computer OS-9 formats. Please let us know which type you need when you order.

BULLETIN BOARD NEWS

by George Dorner

Plans for a real OS-9 Bulletin Board go forward ploddingly. Hardware is not the problem. GIMIX has donated space on a GIMIX III at their offices in Chicago and the hardware baby-sitting will be volunteered by Mike Magnus. Thanks to Richard Don for making these arrangements. The officers have voted to acquire a 300/1200 baud modem for use on the BBS, if other arrangements fall through. A phone line has been ordered for installation at GIMIX which the Users Group will pay for.

Per usual, the software is the real slowdown. We do have Dave Lissiuk's large program, but it hasn't been fully tested yet. At Des Moines and in subsequent discussions, we decided to implement a "bare bones" system at first. This will likely be menu driven, but will have the option to exit that structure so the user may just use his knowledge of OS-9 to use the system. Certain functions of OS-9 will be defeated to protect the system. This is well along the way I am told, but I haven't seen the software at this point. If it isn't forthcoming, there are some other options to produce BBS software - but at the cost of more time.

When the OS-9-based OS-9 BBS comes to life, it will be announced on the old OS-9 BBS, on the COCO OS-9 section of CompuServe, and on the CompuServe OS-9 SIG (assuming that it exists by that time). If you would like to help out on getting the BBS off the ground, let me know. I have a couple of volunteers and would like to establish a broad-based committee to bird-dog this issue.

OS-NINE, the First OS-9 BBS

George Dorner

At the May 1982 Microware meeting in Des Moines, we offered to set up a temporary bulletin board system until a "real" OS-9 BBS could be launched. Alas, a year and a half later this BBS, known as OS-NINE to me and no one else, still exists and gobbles up several hours a month of my free time. It will continue to exist until it is no longer needed. I hope to see it put to death by the imminent birth of the "real" system as noted elsewhere in this newsletter.

OS-NINE functions on an HP Access (or HP 2000G) minicomputer. This was a super computer for timesharing about ten years ago when it was young, but it has some real disadvantages for a BBS system. Chief among these is the inability to interrupt output from the keyboard, other than with a break key which serves as an "exit" command. Thus, it is hard to browse without building up a large phone bill. A listing may only be aborted with a 'break' and that will be after a 128 character buffer empties!

The other shortcoming is that the system uses a bastardized X-on/X-off protocol which sends many [control S] (hex \$13) characters within any message. This is OK for a dumb terminal, but it will confuse most OS-9 terminal programs unless these characters are stripped out.

Despite these two bad features and the fact that the software has purposely NOT been made more friendly or otherwise improved, lots of useful and interesting information has passed there. Most of the "big names" of the OS-9 world have been there at least once, and a query almost always is answered within a week.

How to Log On OS-NINE

***Dial 312-397-8308 or 312-397-8380 (Chicago area)

***When connected, type [CR][LF] or CTRL-M CTRL-J several times until you see:

PLEASE LOG IN

***then you should type:

hel-g500,,3 and a [CR].

***This should get you in and you should see:

User: 4729 Last: 562
] OS-NINE users group BBS

Use [?] to see commands.

Archives in #1-#499.
Index in #10 ... needs some work.

Recent messages are after #500.

Users Group Stuff: #501-510
CompuServe SIG: #511-520
COCO/OS9: #521-530

BREAK stops printing ... only after 128 char. buffer empties.

You are User # 4729
There are 244 Messages
562 is the Last Message Number

Function: E,G,H,K,Q,R,S,X
(or ? if you don't understand) q

Starting Message # or -10 to start 10 back from most recent :-5

Mess. Num.	Subject
557	CoCo OS-9 Support ---K. Kaplan
558	OS-9 Support --- S. Bassett
559	To Kent Meyers
560	COCO BBSRS
561	Coco OS-9 --Ty Taylor
562	68000 CROSS ASSEMBLER

Function: E,G,H,K,Q,R,S,X
(or ? if you don't understand) r 10

Mess # 10 Subject: OS-NINE BBS Topical
Index From: Sysfolk

Dated: DEC. 30,1982 # read 161
Last Time Read NOV. 5,1983

Message of the Day December 1983

OS-NINE BBS Index Tree

Message No.	Topic Heading
1-99	General Communications
1-9	Info About This BBS
*** 10	OS-NINE BBS Index Tree
(This message.)	
11-49	OS-9 Users' Group Info
11-29	General
31-39	Newsletter
41-49	Our Dream BBS
51-59	Other B. B. Systems
61-79	Miscellaneous
81-89	Books and Publications
91-99	Ham Radio/Packet Radio
101-299	Software Info
101-149	General OS-9
151-199	Problems and Documentation
201-270	Languages - General
211-239	BASIC09
241-249	Pascal
261-269	C
271-284	Utilities
285-300	Modem/Communications Software Info
301-349	Hardware Info
301-309	6809/68000 Info
311-319	Radio Shack COCO
321-329	Gimix
331-339	The Mill/Apple & 6809
341-349	Others
351-399	Queries and Open Questions
401-499	Commercial Information
401-449	Commercial Software Info
451-499	Commercial Hardware

That was message # 10

Message # to Retrieve or Return for next or 0 to quit :0

Function: E,G,H,K,Q,R,S,X
(or ? if you don't understand) g

Do you wish to leave a comment or helpful hint (Y/N) n

Thanks for calling
0003 MINUTES OF TERMINAL TIME

OS-9 Users Group Abroad

Our communications points for Europe and Japan respectively will be:

Dr. Rudolf Keil
Keil Software-Elektronik-Datentechnik
Porphyrrstrasse 15
D-6905 Schriessheim
Tel.: (06203) 6741
Telex: 4 65 025 keil d

Schriessheim is near Heidelberg.

Toshio Shinjo
Microboards, Inc.
3-8-9 Baraki
Ichikawa City, Chiba 272-01
Japan
Tel.: 0473(28)6005
Telex: 2993122 MICRO J.

Ichikawa is just northeast of Tokyo.

These men are both Microware representatives and will serve as distribution agents for information we forward to them. Also, we hope to be kept abreast of the significant happenings and software developments in their areas. Dr. Keil indicated that there are probably 200-300 OS-9 users in Germany, but possibly eight times that in France. An estimate of about 300 users in the U.K. was made. (Please help us to update these estimates.)

In order to keep deliberations short, the choice of Dr. Keil and Mr. Shinjo was quite arbitrary and unilateral. A mechanism to choose such representatives more formally should be a part of next year's meeting agenda.

When software distribution details are pinned down, these contacts will be used to reach their constituencies. In addition, once we have the OS_9 BBS operating on an OS-9 machine, we will try to find an economical way of providing access to it by TYMNET or some similar service which may be useful for our members abroad. We will gladly consider establishing other contacts in countries or continents where the need is felt and where volunteers come forward.

Membership & Communications

The official mailing address of the OS-9 Users Group is as follows:

OS-9 Users Group
P. O. Box 8027
Des Moines, IA 50301

All mail sent to this address will be forwarded to the appropriate officer for action or consideration. Thus, a lag in response may be expected. It was decided, however, that a permanent address was necessary.

If you know another address of the person you wish to reach, you may certainly communicate directly. Please do not publish other addresses for the Group, however.

Membership in the Group may be obtained by sending a check payable to the OS-9 Users Group for \$25 to the above address.

CompuServe Special Interest Group Jim Bellomo

I have been in communication with the folks at CompuServe and they are enthusiastic but slow. I

received descriptive information on OS-9 from Andy Ball at MicroWare and sent it out to CompuServe. They were impressed. At first they thought that Tandy had developed OS-9. GADS !!!!!!! Well, they know the history now.

Special Interest Groups on CompuServe function much as do bulletin boards which you may have used. The SIG can be set up to allow Users Group members only to download software. But I have some thoughts on this. The SIG will not cost any money to the OS-9 group. It will only cost the user the connect time (\$5.00 an hour from 6 PM to 5 AM and all day on weekends and holidays their local time.) The CPM SIG works this way: When one first checks on it asks if you would like to become a member. If you answer yes they will process your membership in about a week (there is no cost). Once you are established as a member you are allowed to download programs. If you are not a member you are allowed to view the messages and such things but not download files. There is good security. The user signs on CompuServe with an ID and a password. This information is logged to the SIG the user is on so there should be few problems with security. The people from CompuServe said it will take 6 to 8 weeks to get the SIG underway. That time has now passed, and we may see action this week (the first week of November).

If anyone feels that they have quite a bit of software to upload to the SIG and does not want to bear the cost then they can contact myself or an official of the group and we shall assist. This by no means is to replace the OS-9 users group or software exchange; it is meant to be an enhancement and to educate the nation to OS-9. I would appreciate any comments. I can be reached on the OS-9 BBS, CompuServe (ID 71625,240) or at home at 203-621-5925 8070).

P.S. The above is edited from Jim's message on the OS-9 BBS. When the OS-9 SIG has been put up, it will be noted in the CompuServe sign-on banner ... soon we hope. It will also be noted on the OS-NINE BBS and on the COCO CompuServe SIG.

Subscription to CompuServe cost only \$20 from Radio Shack. You get a free hour of access and a similar opportunity for the Dow-Jones News Service for the money.

CompuServe Numbers for Officers

Look for the officers on CompuServe using these:

Dale Puckett, Pres.	71446,736
Peter Dibble, V.P.	71426,423
George Dorner Treas	70536,106

We're just beginners at this, but activity should pick up soon.

You can also contact Microware via CompuServe EMAIL. Their number is 73105,1265. MW will try to read mail and respond at least once a week. They will try to answer general inquiries and questions but can't handle detailed technical support (use the Hotline for this IF you are paid up) nor will communications of a commercial nature be carried on here.

Treasurer's Report

An account has been established for the OS-9 Users Group at St. Paul Federal Savings and Loan Association of Chicago. Funds from last year's treasurer, Terry Straehley, were transferred to this account after deposits from the Microware meeting in Des Moines. Here's a brief report:

	Debit	Deposit
Opening deposit (4 memberships)		\$ 100.00
Transfer T. Straehley		2173.92
Two memberships		50.00
Microware - P. O. Box	\$ 15.00	
Interest		<u>2.61</u>
Balance as of 11/1/83		\$2311.53

Submitted by George Dorner, Treasurer

Software Exchange

ATTENTION: Much of the software donated in Des Moines was not accompanied by the required paperwork. Signed forms (especially the "Public Domain" statement) are required before the software can be distributed.

OS-9 User Group Software Library as of 10/29/83

Title: ACIA.MAPIN By: DIBBLE, PETER
Language: 6809 Format: SOURCE
Brief Description: FILTER TO CHANGE CONTROL STRINGS FROM A TERMINAL INTO CORRESPONDING ANSI STRINGS.

Title: ACIA.MAPOUT By: DIBBLE, PETER
Language: 6809 Format: SOURCE
Brief Description: APPENDAGE FOR THE ACIA DRIVER; GETS CONTROL OF INIT, READ, AND WRITE AND PASSES THEM THRU ACIA TO THE PHYSICAL DEVICE.

Title: ANSI.GOTOXY By: DIBBLE, PETER
Language: 6809 Format: SOURCE
Brief Description: VIDEO TERMINAL DATA MODULE FOR ANSI-STANDARD TERM; FOR USE WITH "DYNASTAR" SCREEN EDITOR.

Title: ATTR_CHG By: CULP, JERRY
Language: BASIC09 Format: SOURCE
Brief Description: "GROUP-CHANGE" OF ATTRIBUTES OF ALL FILES IN A SPECIFIED DIRECTORY.

Title: BINCOM By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: COMPARES TWO SPECIFIED FILES

Title: BLANKO By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: BLANKS A COMPLEX DATA STRUCTURE TO NULLS

Title: BOOTSPLIT By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: SPLITS MERGED OBJECT FILES (SUCH AS "OS9BOOT") INTO SEPARATE MODULES.

Title: CHAR_TO_INT_TO_CHAR By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: TWO PROCEDURES TO CONVERT BASIC09 STRINGS TO INTEGERS AND VICE-VERSA.

Title: CHECK_FILE By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: DETERMINES FILE STATUS OF SPECIFIED INPUT FILE.

Title: DATE_CVT By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: CONVERTS DATE BETWEEN TWO FORMATS: MM/DD/YY TO/FROM YYDDD (WHERE "DDD" IS THE JULIAN DAY OF YEAR FORM 1-365).

Title: DCOFY By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: FULL DIRECTORY COPY UTILITY

Title: DDIR By: SEATON, W. G.
Language: 6809 Format: SOURCE
Brief Description: LISTS ACTIVE SYSTEM DEVICES, THEIR PATH DESCRIPTOR ADDRESS, PHYSICAL ADDRESS, SYSTEM BUFFER, DEVICE DRIVER & FILE MANAGER

Title: DLIST By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: DISK DUMP UTILITY. WORKS LIKE "DUMP /DO@", EXCEPT YOU CAN START AT ANY SECTOR ON THE DISK.

Title: DOLLAR_PRINT By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: CONVERTS "REAL" AMOUNT (greater or equal to 999.99) TO "STRING" "DOLLAR" FORMAT.

Title: EQUFIX By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: STRIPS COMMENTS, BLANK LINES, AND PSEUDO OPTS FROM EQUATE FILES

Title: ERREPORT By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: PRINTS MESSAGE ON LINE 2 OF TERMINAL, WAITS FOR CNTL-F ACKNOWLEDGEMENT.

Title: FLEXBIN By: KALEITA, DAVID L.
Language: BASIC09 Format: SOURCE
Brief Description: CONVERTS "FLEX-FORMAT" (COMPRESSED) BINARY FILES INTO FULL IMAGE (FULL SIZE, POSITION-DEPENDENT) BINARY FILES, READY TO "ROM".

Title: FORMS2.GNX By: MORSE, G.
Language: CIS COBOL Format: SOURCE
Brief Description: STRUCTURED AND MAINTAINABLE 100% REPLACEMENT FOR MICRO FOCUS FORMS2 PACKAGE. INCLUDES FILES FORMS2.GN1 & FORMS2.GN2

Title: GETNUMB By: MORSE, G.
Language: BASIC09 Format: SOURCE
Brief Description: MORE POWERFUL VERSION OF THE BASIC09 "VAL" FUNCTION.

Title: HCOFY By: SNYDER, HAL, M.D.
Language: BASIC09 Format: SOURCE
Brief Description: PROMPTING "COPY" UTILITY

Title: HDEL By: SNYDER, HAL, M.D.
Language: BASIC09 Format: SOURCE
Brief Description: PROMPTING "DELETE" UTILITY

Title: HDIR By: CADMUS, RAY
Language: BASIC09 Format: SOURCE
Brief Description: HEIRARCHICAL "DIRECTORY" UTILITY

Title: HELP By: SEATON, W. G.
Language: 6809 Format: SOURCE
Brief Description: PRINTS USER INFORMATION ON THE SPECIFIED FILENAME.

Title: HX By: DIBBLE, PETER
Language: 6809 Format: SOURCE
Brief Description: CONVERTS STANDARD INPUT DATA TO READABLE HEX DUMP FORMAT OUTPUT.

Title: ILEAV By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: PRINTS DISK INTERLEAVE TABLES

Title: INKEY_HAL By: SNYDER, HAL, M.D.
Language: 6809 Format: SOURCE
Brief Description: READ INDIVIDUAL KEY DEPRESSIONS

Title: INSTALL By: KREIDER, C. R.
Language: 6809 Format: SOURCE
Brief Description: USED TO "LINK" A FILE CALLED "OS9BOOT" ON THE SPECIFIED DEVICE. THIS FILE MAY BE PLACED ON THE DEVICE USING A STANDARD "COPY"

Title: JERRYBENCH By: POUCELLE, JERRY / MORSE, G.
Language: BASIC09 Format: SOURCE
Brief Description: 10x10 MATRIX MULTIPLY BENCHMARK

Title: KILL13 By: SNYDER, HAL, M.D.
Language: BASIC09 Format: SOURCE
Brief Description: STRIPS ALL "\$13" (X-OFF) CHARACTERS FROM A FILE.

Title: KIMTRON By: KALEITA, DAVID L.
Language: 6809 PROCEDURE Format: SOURCE & TEXT
Brief Description: SET OF FILES TO AID IN THE USE OF THE KIMTRON ABM85 TERMINAL WITH OS-9. STARTUP FILE WILL AUTO-PROGRAM FUNCT KEYS. DYNASTAR "GOTOXY" MODULE FOR THIS TERMINAL IS ALSO INCLUDED.

Title: LIST By: MICROWARE SYSTEMS
Language: 6809 Format: OBJECT
Brief Description: LISTS A TEXT FILE AND PRINTS TITLE, PAGE NUMBER, AND DATE (WORKS LIKE THE NEW "PR" UTILITY BY MICROWARE).

Title: LISTN By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: TRIVIAL PROGRAM TO LIST A TEXT FILE WITH EACH LINE PREFIXED BY A LINE NUMBER.

Title: LLOAD By: SNYDER, HAL, M.D.
Language: BASIC09 Format: SOURCE
Brief Description: UPLOADS A TEXT FILE, ONE LINE AT A TIME, TO A FULL-DUPLEX BULLETIN BOARD SYSTEM.

Title: MODBUILD By: SNYDER, HAL, M.D.
Language: BASIC09 Format: SOURCE
Brief Description: PROMPTING FILE "MERGE" UTILITY

Title: MODEM By: MacLEAN, D.
Language: 6809 Format: SOURCE
Brief Description: COMMAND TO COPY CHARACTERS TO/FROM SPECIFIED DEVICE.

Title: MODLIST By: SNYDER, HAL, M.D.
Language: BASIC09 Format: SOURCE
Brief Description: PROMPTING "IDENT" UTILITY

Title: MUSIC By: KALEITA, DAVID L.
Language: BASIC09 Format: SOURCE
Brief Description: AUDIO RECORDING CATALOGING SYS

Title: NETWORK By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: ELECTRONIC CIRCUIT NETWORK DESIGN /ANALYSIS

Title: PRINT By: BIALON, LAURA
Language: BASIC09 Format: SOURCE
Brief Description: FILE PRINTING UTILITY- ADAPTED FROM K&P'S "SOFTWARE TOOLS"

Title: PRINT_MW By: MICROWARE SYSTEMS
Language: 6809 Format: OBJECT
Brief Description: WILL TAB AN ASSEMBLER LISTING WITH PAGE NUMBER, TITLE, AND DATE.

Title: PWD By: DIBBLE, PETER
Language: 6809 Format: SOURCE
Brief Description: MORE POWERFUL VERSION OF MW'S "PWD" COMMAND

Title: PWD_NAME By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: DOES A "PWD" AND RETURNS THE RESULT (OUTPUT) AS A BASIC09-READABLE STRING VARIABLE.

Title: QDIR By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: PROMPTING VERSION OF THE NEW MW "D" COMMAND (MINUS THE OPTIONS). OUTPUTS A VERTICAL DIRECTORY LISTING.

Title: REHOOK By: SNYDER, HAL, M.D.
Language: BASIC09 Format: SOURCE
Brief Description: MOVES A FILE FROM ONE DIRECTORY TO ANOTHER (ON THE SAME DEVICE) WITHOUT "COPY/DELETE"

Title: REMOTE By: SEATON, W. G.
Language: 6809 Format: SOURCE
Brief Description: "LINKS" USER TO A SPECIFIED REMOTE TERMINAL PATH FOR COMMUNICATION.

Title: RESRATHC By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: PRINTS ALL 1% RESISTOR COMBINATIONS THAT FIT THE SPECIFIED RESISTOR RATIO AND ERROR (TOLERANCE) LIMITS.

Title: SIEVE By: MORSE, G.
Language: BASIC09 Format: SOURCE
Brief Description: SELF-TIMING BENCHMARK

Title: SQSH By: DIBBLE, PETER
Language: 6809 Format: SOURCE
Brief Description: "SQUASHES" TEXT FILES BY REPLACING EVERY CARRIAGE RETURN CHARACTER WITH A "/" AND EVERY STRING OF MORE THAN 1 SPACE WITH 1 SPACE.

Title: STRIPNUM By: KALEITA, DAVID L.
Language: BASIC09 Format: SOURCE
Brief Description: STRIPS A SPECIFIED NUMBER OF CHARACTERS FROM THE BEGINNING OF EACH LINE IN A TEXT FILE; A NEW FILE IS CREATED AS THE OUTPUT.

Title: STRIPREM By: KALEITA, DAVID L.
Language: BASIC09 Format: SOURCE
Brief Description: STRIPS ALL "REM" STATEMENTS OUT OF THE SPECIFIED INPUT FILE (WHICH IS NOT MODIFIED); A NEW "PROCEDURE" IS CREATED AS OUTPUT.

Title: SYSCALL_HAL By: SNYDER, HAL, M.D.
Language: 6809 Format: SOURCE
Brief Description: EXECUTE AN OS-9 SYSTEM CALL FROM BASIC09

Title: TERM_CNTL By: CAPOUCH, BRIAN
Language: BASIC09 Format: SOURCE
Brief Description: PERFORMS SPECIAL TERMINAL CONTROL SEQUENCES.

Title: TEXCOM By: KREIDER, C. R.
Language: BASIC09 Format: SOURCE
Brief Description: COMPARE TWO TEXT FILES A LINE AT A TIME.

Title: TRANSLIT By: BIALON, LAURA
Language: BASIC09 Format: SOURCE
Brief Description: (ADAPTED FROM K&P "SOFTWARE TOOLS")

Title: WORDS By: DIBBLE, PETER
Language: 6809 Format: SOURCE
Brief Description: PARSES INPUT INTO WORDS AND OUTPUTS EACH WORD ON A SEPARATE LINE.

Late Notice

The CompuServe SIG went public December 1. It is on Page PCS-18. A guide to using the OS-9 Special Interest Group (SIG) software on CompuServe has been prepared and is available at no charge from the OS-9 Users Group. To receive a copy of

Message of the Day December 1983

OS-9 USERS GROUP
P. O. Box 8027
Des Moines, IA 50301

the guide, send a self-addressed, stamped envelope with sufficient postage to cover return mailing costs (two units of first class postage) to:

OS-9 Users Group
P. O. Box 8027
Des Moines, IA 50301

Application for membership OS-9 Users Group
Name _____
Address _____
Address _____
City _____ State _____ Zip _____
Phone Number _____
We sometime make our membership list available to groups we believe our members might be interested in. Please check here if you do not wish to be included in the list we distribute:
()

Check Type of OS-9:
Level One() Level Two() 68000()
Hardware manufacturer _____
Floppy Disk size 5 1/4"() 8"() Other() _____

***** Send this application with a check or or money order for \$25 to:
OS-9 Users Group
P. O. Box 8027
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