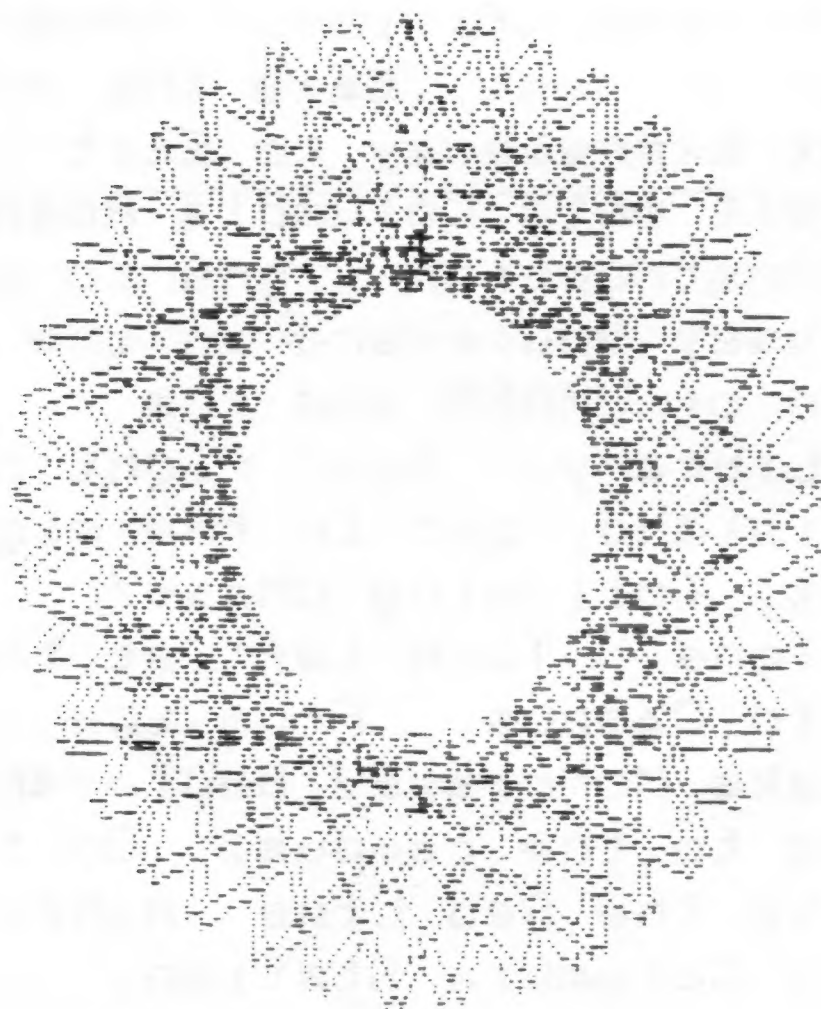


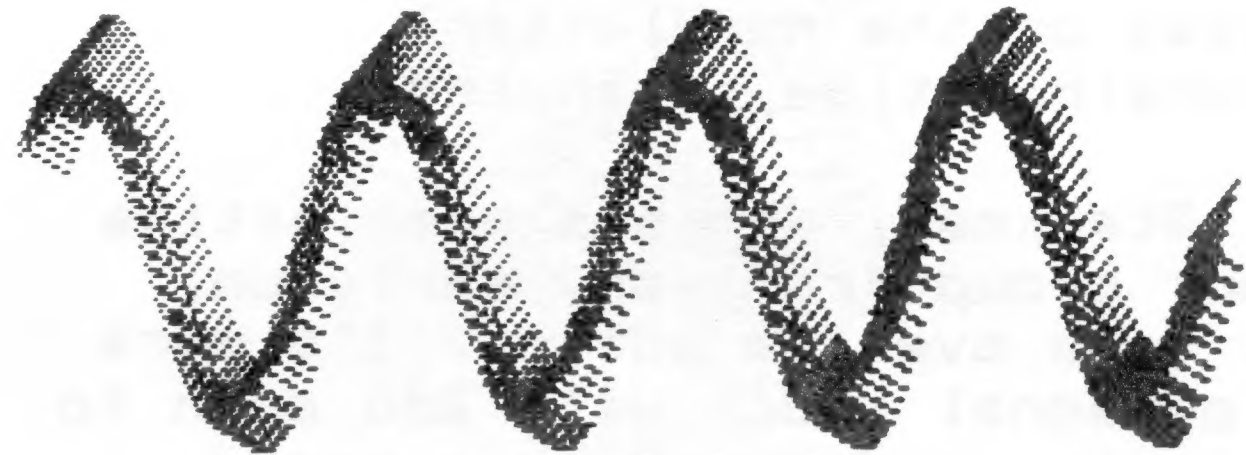
A common recreation among programmers has been the one-liner; a short program structures so as to be complete with only one line number. Indeed, the number is only necessary to allow LISTING. Since Sinclair BASIC allows lines of any length up to the limits of memory, the challenge is not as great as when characters per line are limited to 88, as in PET BASIC, for example. However, one must still structure each one liner to make maximum use of IF/THEN and FOR/NEXT plus other BASIC routines while avoiding GOTO and GOSUB.

This one line program produces a surprising variety of displays and also illustrates the animation possibilities of the OVER command on the T/S 2068. Let's have some more of these!

```
10 INPUT "type a #, 0 to 50 :"  
;X: INPUT "How many repeats ? :"  
Y: FOR N=1 TO Y: PLOT 65,27: DRA  
W OVER 1;120,120,(X+10+9)*3*PI:  
NEXT N
```



Input #5



### MARCH HIGHLIGHTS

Group Director Sue Mahoney opened the March meeting with a description of membership in the Boston Computer Society. For those non-member readers out there, BCS membership is \$24 a year. Members receive a subscription to the society's bimonthly magazine "The Computer Update", membership in all BCS user and special interest groups, subscriptions to any two of those group's newsletters, as well as access to a variety of discounts and special member programs. To join or for more detailed information call 367-8080 or write: BCS, One Center Plaza, Boston, MA 02108.

Marty Warner-Dubay, formerly of Timex and now with Timex retailer Games to Learn By, reported to the group about the condition of the Timex community. Among many interesting observations, she estimated that 45-50 thousand TS2068's had been sold by then, 10-15 thousand more were in Timex's warehouse, and that 90,000 were still at the factory in Korea. Games to Learn By can be reached at 413-268-7505 in Williamsburg, MA.

# The Boston Computer Society

Annual membership in The Boston Computer Society includes all mailings from two user/special interest groups (attendance at monthly meetings is unlimited).

- |   |  |
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| <input type="checkbox"/> Legal                     | <input type="checkbox"/> Other _____            |
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## \*\*\* ZX PRO/FILE \*\*\* a 16K+ file manager for the Timex

**ZX PRO/FILE is a machine language data base that gives you tremendous versatility:**

- \*instant access to any file stored in memory
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A 59 page manual comes with the cassette. In it are complete instructions, examples, directions for upgrading to larger memories, modifications, program listings, and a detailed explanation of how the program works. There's even an introduction to machine coding for beginners.

ZX PRO/FILE is the best file manager you can get for your Timex. In fact, users report that it provides data handling functions found only on the most sophisticated systems.

Price: just \$16.95 **WRITE FOR INFO ON  
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## 10 REM \*\* Sinclair

This is my last issue as editor of this publication. The demands of my career and other activities in the BCS have made it necessary for me to pass on the newsletter responsibilities to another.

Will Stackman, who has been active in our group from very early on, will take over as editor. I'm sure his personal touch will add much to it's value and depth. His broad range of knowledge about not only the S/T community but all of personal computing makes him a valuable asset to us all. I'm looking forward to reading this letter in the future.

This newsletter is important. It serves an important role in the Sinclair computer community. Now that there's no central exchange for users to communicate through (like Timex, BYNC, or TS User Magazine) our groups and newsletters are more important than ever.

Well over a thousand people read this letter every month. But it is now more difficult than ever to put it out on a regular basis. You readers are more than just subscribers to this publication. It is YOUR newsletter. It will go on only if you make some sort of contribution to it.

Write an article, review a product, write a letter to the editor, simply give the editor some feedback about Sinclair computing. All these things can make a tremendous difference.

Let's get involved! You can make the difference!



The  
Boston  
Computer  
Society

This newsletter is produced to inform group members of the agenda and logistics of future meetings, as well as to recap and amplify the information provided at the meetings. It also provides a forum for members and interested parties to communicate what they have learned or developed relating to Sinclair and Timex computing. Meetings are open to the public (non-member admission is \$3); however attendees are encouraged to join the Boston Computer Society (BCS). This newsletter is free to members. Back issues are one dollar each.

**DIRECTIONS TO MEETING:** The S-T User Group meets in the Large Science Auditorium (Room 8/2/009) of the University of Massachusetts, Boston Harbor Campus. It is located only 3 miles from downtown Boston and easily accessible by public and private transportation. From the north or west, take the Southeast Expressway to Exit 17.

Turn left onto Columbia Road. Follow construction signs to get to Morrissey Boulevard in the direction of UMASS and the Kennedy Library. Bear right on traffic island, get in the right two lanes, following UMass/Boston signs. Turn left at the light into Campus. From the south, take Morrissey Boulevard northward to the campus. On the MBTA, take the Red Line (Ashmont Train) to Columbia Station. Transfer to the free University shuttlebus in the T parking lot.

JGH III

# GETTING SERIOUS WITH YOUR TS1000 AND TS1500

review by Will Stackman

If computer manufacturers would support manuals for their proprietary software of this grade they would not only sell more software but more computers too. If you want to make real use of your TS1000/1500 or ZX81 for spreadsheet use this book will walk you through both VU-CALC and VU-FILE(The Organizer).

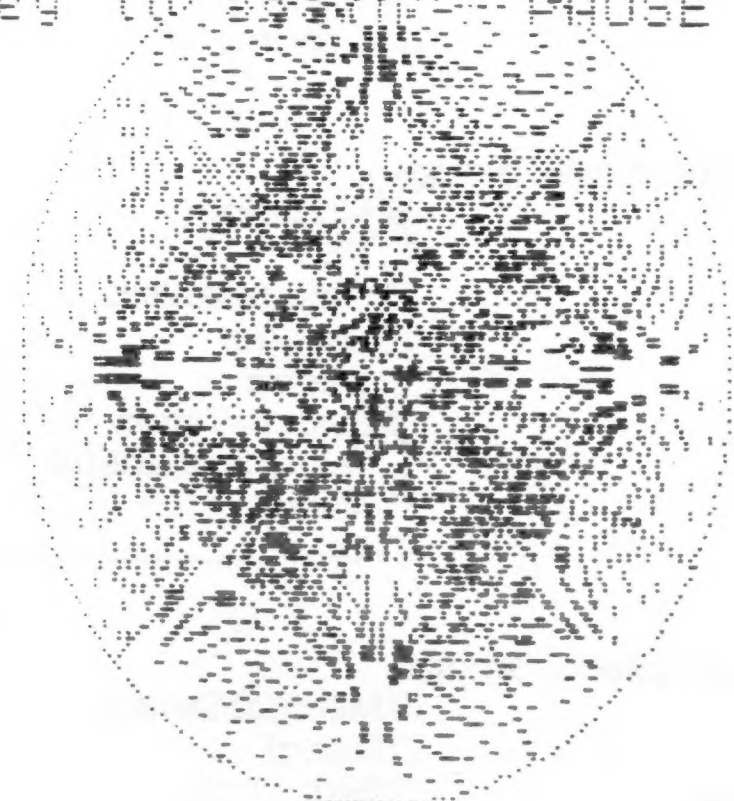
The author supplies reproducible worksheet templates which allow the user to set up spreadsheets of surprising complexity or manipulate inventories.

One caveat: the spreadsheet template folded into the back is slightly too large to xerox on 8 1/2 by 14 (legal size paper). Have the supplied version reduced slightly on a fancy machine (for under a dollar) and then use that to make working versions. We'll get into some detailed notes on Getting Serious next month.

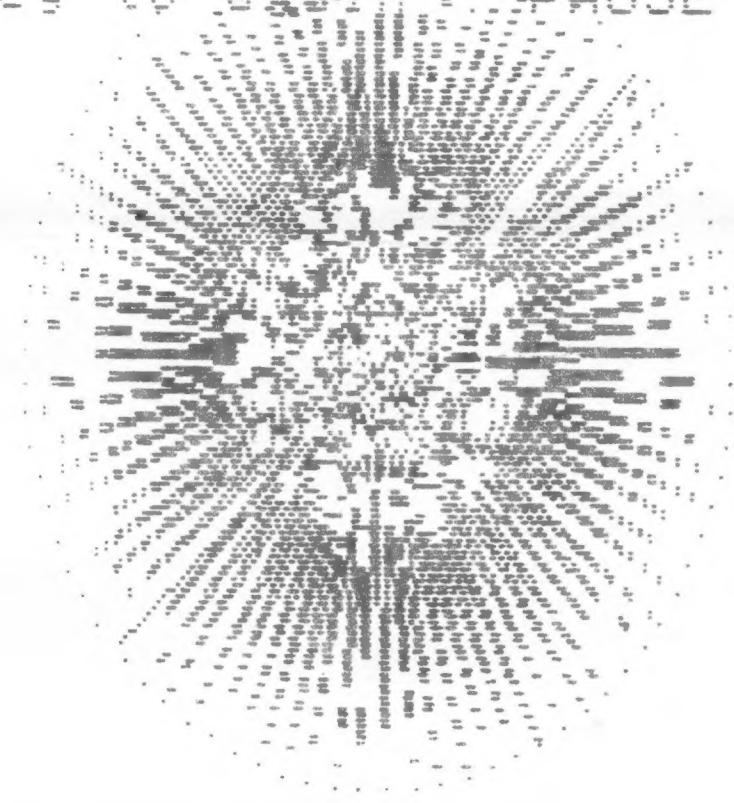
VU-CALC and VU-FILE (The Organizer) by Robert B.V. Masters, Robert J. Brady Co., Bowie, MD 20715.

## ONE-LINERS from page 1

```
10 CLS : INPUT "Choose a #, 1-255 :";X: OVER 1: FOR n=0 TO 1: PLOT 65,27: DRAW 110,100,PI*X: BEEP .5,1: NEXT n: PRINT AT 3,7:"Any key to go on: PAUSE 0: GO TO 10
```

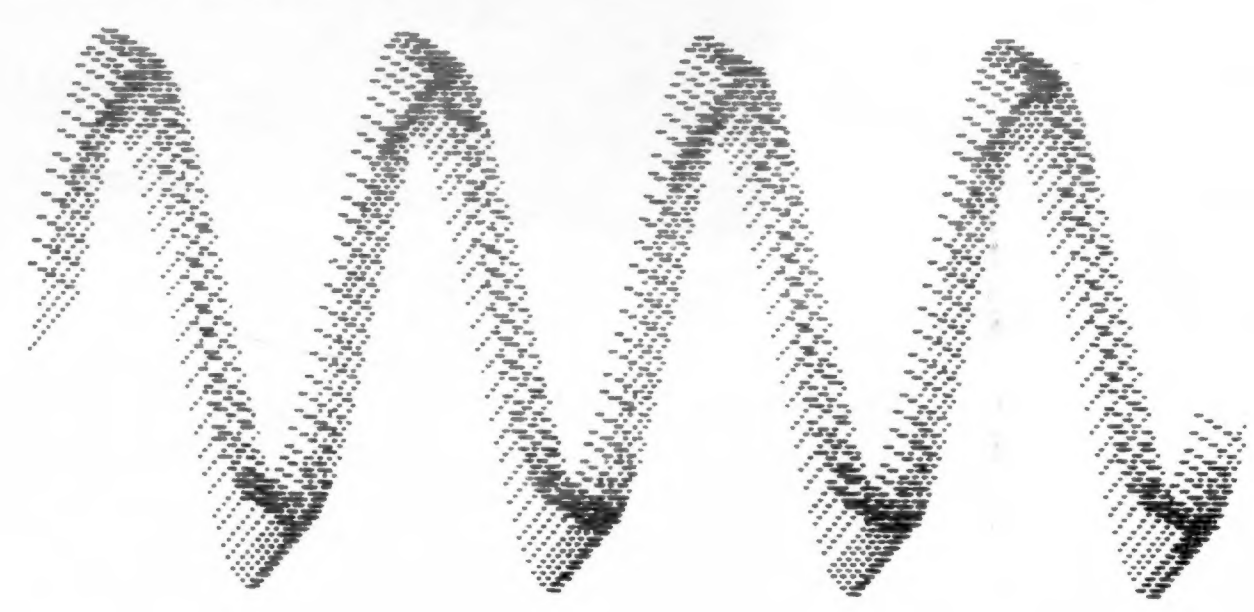


```
10 CLS : INPUT "Choose a #, 1-255 :";X: OVER 1: FOR n=0 TO 1: PLOT 65,27: DRAW 110,100,PI*X: BEEP .5,1: NEXT n: PRINT AT 3,7:"Any key to go on: PAUSE 0: GO TO 10
```

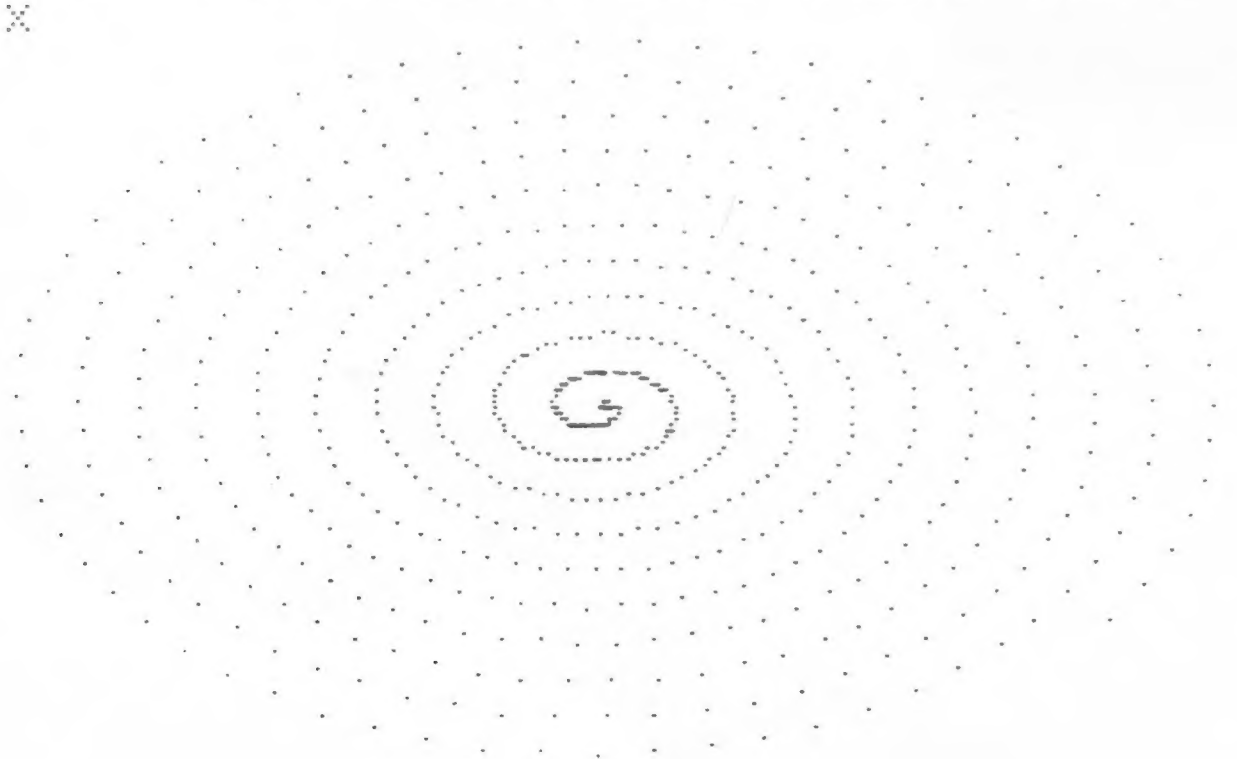


#=255

```
10 FOR x=0 TO 254: PLOT x,40*SIN (x/10)+88: DRAW 10,10: DRAW -10,5: NEXT x
```



```
10 FOR x=0 TO 65 STEP .1: PLOT 2*x*SIN x+125,x*COS x+88: NEXT x
```



The Sinclair Timex User Group

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 Acton, MA 01720

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 Meeting Coordinator  
 617-961-3453

The Sinclair Timex Newsletter is published monthly by the Sinclair Timex User Group of the Boston Computer Society. Membership in the BCS is \$24 per year which includes a subscription to its magazine "The Computer Update" and subscription to two of its group newsletters (such as this one).

Advertising space is available in this publication on a limited, first come first served basis. The rate is \$60 per quarter page. At this time no other ad sizes are available. For detailed rate and discount information contact the Advertising Manager or the Publisher.

HIGHLIGHTS from page 1

Bob Masters, an original member of our group, spoke briefly about his recently published book about VU-CALC and VU-FILE. Bob has invited anyone interested in reviewing the book to get in touch with him for a review copy. Contact him c/o this newsletter or at the meeting.

Dave Wood, another faithful member, had his TS book cancelled at the last minute. He is thinking about self-publishing it. This reporter read an early draft and it's a great TS1000 machine language resource. Contact Dave at the meeting or c/o this newsletter.

It was reported that SYNTAX will try to continue publishing, subject to advertiser support. So tell 'em you heard about it in SYNTAX.

The Machine Code Group lives! It's in the process of locating a new permanent home. For up to the minute info call Jack Hodgson at 617-354-7899. Also ask him about the Machine Language Newsletter.

Finally, John Kemeny, who has been corresponding with other TS user groups for a couple years now, is thinking about trying to create an index for the 4 foot stack of TS publications he's got in his living room. "There's lots of great stuff in there if we only had a reliable way to find a particular peice."

To help John with this project contact him at the meeting or at the address listed for him on page 2.

## OTHER SINCLAIR-TIMEX USERS GROUPS

Whether they are called Sinclair-Timex or Timex/Sinclair, User or Users or User's or Users', Group or Club or Society, there are a great many support organizations like our group located around the country and Canada. We know, because we've been keeping a list and exchanging newsletters with many of them. You can find these publications in our library.

When Timex closed shop, and Sync and Timex-Sinclair User (not to be confused with TS USER) magazines folded, the general consensus was that Users Groups need to communicate more than ever.

While we have scrupulously maintained the confidentiality of our list, we feel that at this time it is more vital that communications be improved. The following is a list of the most active users groups - groups with whom we regularly exchange newsletters, correspondence and phone conversations. In addition, a much larger list of users groups (and former users groups?) is available from John Kemeny. Just send him a SASE.

-----  
 Group Name; Contact Person; Mailing Address; City, State and Zip Code  
 -----

ZX/TS User Group; Sergio Perez Davida; P.O. Box 38; Puerto Real, PR 00740  
 BCS Newsletter Exchange; John Kemeny; 284 Great Road Apt. D-5; Acton, MA 01720  
 Mitre-Bedford Sinclair-Timex; Ed Lindsay; P. O. Box 208; Bedford, MA 01730  
 BCS Sinclair-Timex; Sue Mahoney, Director; One Center Plaza; Boston, MA 02108  
 BCS Sinclair-Timex; Jack Hodgson; P. O. Box 526; Cambridge, MA 02238  
 SE Mass Computer Soc; David Mitchell; 382 Locustfield Rd.; East Falmouth, MA 02536  
 CQ ZX - Nashua Radio Club; Bill Burden, WB1BRE; 11 Briand Dr.; Nashua, NH 03063  
 New Haven Sinclair Study Group; Chris Baldwin; 16 Lewis St.; New Haven, CT 06513  
 \*\*\*\*\*CSG\*\*\*\*\*; Kent Zimmermann; 115 Russet Dr.; Guilford, CT 06437  
 Computer Study Group; Matthew Quinlan; 227 McKinley Avenue; New Haven, CT 06515  
 North Jersey; Larry W. Burkhart; 133 Christopher St.; Montclair, NJ 07042  
 ; Laura Bajor; 10 Marion; Short Hills, NJ 07078  
 Morris County Users; Larry Spencer; 6 Forest Ct.; Morris Plains, NJ 07950  
 ZX Users of America; Michael Wilson; 626 Water St.; New York, NY 10002  
 ZX Users Group of NY; George Coronado; P.O. Box 560, Wall St.; New York, NY 10005  
 DATAMERICA Company; 312 East 84 St. #1A; New York, NY 10028  
 Albany Sinclair User's Group; Ron Barnard; 36 Tanglewood Road; Albany, NY 12205  
 SINCUS; Gary Ennis, Editor; P.O. Box 523; Owego, NY 13827  
 Pittsburgh Computer Club; Dick Welsh; 1605 Middlecrest Dr.; Glenshaw, PA 15116  
 Synapse; Bill Russell; RD 1, P.O. Box 539; Centre Hall, PA 16828  
 Washington Area Users; Steve Wyatt; P.O. Box 6239; Washington, DC 20015  
 Capital Area Timex/Sinclair; Ellen S. Rogers; P.O. Box 725; Bladensburg, MD 20710

Central Virginia Users;Herb Miller;Rt. 1, P.O. Box 192;Troy, VA 22974  
 Hampton Roads User Group;Jim Langston;146 Hawthorne Dr.;Newport News, VA 23602  
 Roanoke Area Users;Richard McGlothlin;P.O. Box 1165;Roanoke, VA 24011  
 SLUG;Gary S. Preston II;Route 1, P.O. Box 21;Glade Hill, VA 24092  
 Triangle Sinclair Users Group;Douglass Dewey;206 James St.;Carrboro, NC 27510  
 Southeast Regional;Kathy Fitzgerald;880 Johnson Ferry Road;Atlanta, GA 30342  
 T U G;Joe Williamson, Skipper's Electr;3708 Newberry Rd.;Gainesville, FL 32607  
 ZX/T Southeast Region;Ralph M. Coletti;869 Levitt Parkway;Rockledge, FL 32955  
 ZX Forum;Bob Pearsall;9220 Fountain Road;Lake Worth, FL 33463  
 TAMBAM;Mel Routt;P.O. Box 644;Safety Harbor, FL 33572  
 Chatanooga Area Users;Dan Williams;P.O. Box 1321;Collegedale, TN 37315  
 ATSU of Central Ohio;Gary Solomon;1281 Yellowwood Dr.;Columbus, OH 43229  
 Syntym Cleveland Area Users;Dick Sieg;19502 Thornridge Av.;Cleveland, OH 44135  
 TS Horizons;Richard Duncan;2002 Summit St.;Portsmouth, OH 45662  
 ;Richard Berg;915 Sunset Dr.;Anderson, IN 46011  
 TS User;Yagsee Publications;P.O. Box 155;Vicksburg, MI 49097  
 ;K. Allen Ward & Lonnie Misner;520 Tulane #205;Grand Forks, ND 58201  
 Circle Chess Group;A. F. Stanonis;P.O. Box 63;Des Plaines, IL 60017  
 S.U.N.;William James Wright;2170 Oak Brook Circle;Palatine, IL 60067  
 TSZ Users Group;Dave Hallas;P.O. Box 10363;Kansas City, MO 64111  
 Kansas City User;Carl E. Mutch;4701 Northwest Linden Road;Kansas City, MO 64151  
 Sinclair Users Network;Patrick Murphy;4903 Walker;Lincoln, NE 68504  
 Greater New Orleans Users;E.V. Sandy Blaize;417 Ridgewood Dr.;Metairie, LA 70001  
 Gulf Coast Users;c/o Norris Electronics;144 Terry Dr.;Slidell, LA 70458  
 Users Group of Oklahoma;Patrick Spera;Tinker AFB T-148;Tinker A.F.B., OK 73145  
 ;M. Mark Wasicsko;Texas Wesleyan, School of Education;Fort Worth, TX 76105  
 Houston (West) Users;David Bonner;13327 Rain Lilly Lane;Houston, TX 77083  
 QZX ;Alex Burr K5XY, Physics Dept;Box 30, New Mexico State;Las Cruces, NM 88003  
 ;Dr. George Kuby;P.O. Box 34545;Los Angeles, CA 90034  
 South Bay Users;John Peterson;2316 Walnut Av.;Manhattan Beach, CA 90226  
 Syncware;Fred Nachbaur;P.O. Box 5177;El Monte, CA 91734  
 Z-West;;P.O. Box 2411;Vista, CA 92083  
 STUMP;William M. Pierson;HHC, DLIFLC 104-46-7719;Presidio of Monterey, CA 93940  
 ;George Mockridge;263 Gateway #107;Pacifica, CA 94044  
 TSUNAMI;Walter Gaby;3325 Pierce St.;San Francisco, CA 94123  
 ;Paul Perrault;947 Clara Dr.;Palo Alto, CA 94303  
 Portland Area Users;Mike Veine;P.O. Box 3153;Portland, OR 97208  
 Clackamas TS Users;Robert E. Evans;2615 SE Courtney Rd. #19;Milwaukee, OR 98222  
 ;John W. Palmer;Comp 53 Site 15 Castle Acres SS3;Fredericton NB, Canada E3B 5W9  
 ;Alan Wright;470 Granville St., Suite 611;Vancouver, Canada V6C 1V5  
 TS Users Vancouver;J. Brohman;108-1205 Johnson;Coquitlam, Canada V3B 6E6  
 Vimont Laval Users;;125 DePiemont 2;Vimont Laval, Canada H7M 1B7  
 Toronto TS Users Club;Greg Lloyd;P.O. Box 7274, Stn. A;Toronto, Canada M5W 1X9  
 ;Heinz G. Oeder;305 Radisson;Chateauquay, Canada J65 1W6