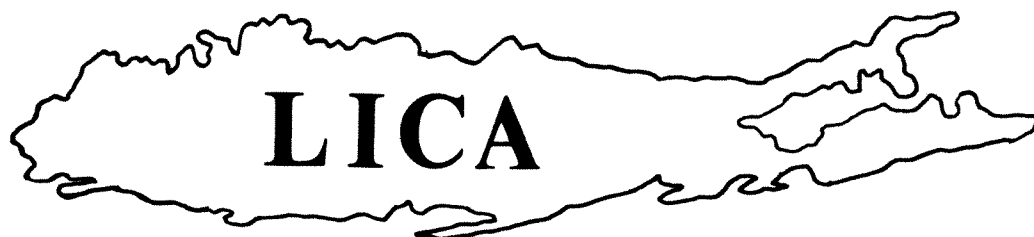


# LONG ISLAND COMPUTER ASSOCIATION



---

Volume 5 Number 12

THE STACK

December, 1981

---

Officers:

President            Mark Zeiger  
Vice-President     Dave Minott  
Secretary          Harvey Fishman  
Treasurer          Aileen Harrison

CBBS (516) 561-6590

STACK Editor:

Al Stone

STACK Address:  
3788 Windsor Drive  
Bethpage, NY 11714  
(516) 731-1649

---

PRESIDENT'S LETTER

=====

My term as president of LICA is just about up and this is the last "President's Letter" I'll have to write. I've enjoyed working for the club during the past year and I hope to continue to do so by serving on the executive board and as one of the sysops for LIMBS. I hope everyone has enjoyed the meetings and speakers we had as much as I did.

We had, or are going to have, a few firsts this year. For those of you who were not at November's meeting, the membership voted on and approved the first dues increase in the club's history. The increase (to \$12) was necessitated by rising costs in postage and the advent of incorporation. The work on incorporation is moving along nicely, and Harry Phillips should have more to tell us about it at subsequent meetings. We also are considering holding a computer flea market sometime in the future. While this plan is still in the discussion stage, if we can get a few other clubs in the area interested in such an event, there is a distinct possibility that a flea market can take place.

Nominations were held for LICA officers at the last meeting. The only nominees were those proposed by the executive board, so it is almost a foregone conclusion that the 1982 officers will be:

President	Al Stone
Vice President	Bob Kowitt
Secretary	Jackie Tulumello
Treasurer	Aileen Harrison

Al will be giving up his position as STACK editor and the club newsletter will be taken over by Al Levy (after all, we don't want to give Mr. Stone too much power). We will also elect members to the executive board in December, but I won't take the time to list the nominees now.

Our speaker on December 18 will be Mike LaManna from FORTH, Inc. He will be speaking on, of all things, the FORTH language. I've recently started using FORTH and have found it to be a very powerful programming tool even though it is quite different from the more common high level languages with which most of us are familiar.

I'm sure I'll see most of the members at the December meeting, but for those of you who won't be able to make it, I'll take this opportunity to wish you a joyous holiday season and a happy new year. Mark

AND NOW A WORD FROM...

I have been nominated to be President of this Association for the calendar year 1982. This is something that I have thought about very much for a very long time. Thirteen years ago I was a successful sales rep. for RCA Computers. Successful, that is, until a decision came down from above to abandon the computer business. That decision left me with two regrets: that I had not fully mastered the hardware and software technology from which I had made a not insubstantial living, and that I had allowed others to control my personal destiny. The second regret has been erased in that I have been self-employed most of the past decade. The other has been happily met through my immersion in the flow of microprocessing technology. Ever since I built my IMSAI I have read and experimented and used and played with and just generally reveled in the incredible world of small computers and computing.

L.I.C.A. was a year old when I first joined. It was not that I was unaware of the existence of this organization - I'm simply not a joiner. The friendships that I have made here are among the most cherished in my life. For the past three years I have edited The STACK, acted as a repository for programs, publications, and documentation, created and maintained the Master Mailing List System, and attended far fewer meetings than I would have liked.

There are simply not enough days in each month, nor hours in each day that one person could possibly act as President and newsletter Editor. It has been said that The STACK is the cement which holds L.I.C.A. together. With my resignation the task of putting this thing together falls to Al Levy, a brilliant and creative man who has given much to this club, and who has helped me with The STACK more than once in the recent past. I trust the tone and quality of The STACK as a timely, concise, informative, and professional-style periodical will be maintained.

As President I hope to directly influence as many persons as possible in the excitement of the challenges and the satisfactions to be gleaned from their involvement with this, the most fantastic hobby of all. I want to infect everyone with the awe and pleasure of the central technology of our time and to assure old and new members alike that here is the one area of activity that no one can ever fully master because its horizon continually moves further away from the observer.

Share with me the exhilaration of racing toward the twentyfirst century, to the limits of information and communications technology, of learning of the

astonishing developments in electronics almost as they emerge from the laboratories in which they are created, and of being surrounded by a truly fantastic group of kindred souls. Please vote for me as President, and continue to support the remarkable Long Island Computer Association. AL

#### TRS-80 USERS' GROUP

Please note that this sub-group meets twice monthly, at 7:00 p.m. on both the second and third Fridays of the month at NYIT. Don't forget that RADIO SHACK has marketed five different machines since entering the microcomputer market, and our membership utilize all of them.

#### S-100 USERS' GROUP

Monthly meetings are held on the second Friday at 8:00 p.m. at NYIT. Alternating with timely presentations on state-of-the-art hardware and software from both the "hardware hacker" and system user viewpoints are general discussion meetings.

The four most active sub-groups can be contacted through their chairmen:

S-100 Users' Group	---	Auguste Schwab, Jr.	(516) 374-4168
TRS-80 Users' Group	---	Bob Zito	(516) 822-4031
6502 Users' Group	---	Steve Perry	(516) 744-6462
680x Users' Group	---	Roger Kaucher	(516) 796-8746

Aileen wants us to remind everyone attending the general meeting on Dec. 18th that TWO door prize raffle tickets will be given to each person. This has been an annual custom since the inception of LICA.

#### SOFTWARE WANTED

ta Mania, Inc., 51625 Chestnut Road, Granger, IN 46530 is seeking BASIC software to publish. Length should not exceed 13K, nor require graphics or functions peculiar to any particular system. Contact Joe Torzewski or Glen Mummey to obtain a "submittal agreement" prior to sending materials.

#### SAM76 TECHNICAL NOTE ISSUED

We have received a document called "SAM76 Technical Note 9 - August 1981" which describes several significant changes and additional features to this so-called "public domain" programming language. An APPLE version has been produced which contains 70 erotic limericks (!!). As this machine is owned by very few LICA members, I fear that most of us will not be privy to those five line gems. Contact Mr. Kagan at (609) 466-1129 for further information.

#### NEW FLOPPY DISK REPAIR SERVICE

Mibus Computers, Inc., R.D.#3/Box 577A/Prosser Ave./Williamstown, NJ 08094, which normally services computer dealers' disk drives, offers repair and alignment to LICA members at the same rates they charge dealers. Contact Michael Metelski, Pres. at (609) 629-0568. Persci drives are also handled.

#### TRS-80 SYSTEM REFERENCE CARD

Nanos Systems Corp., P.O. Box 24344, Speedway, IN 46224 has sent along a sample of their combined BASIC and assembler card. It has 8 folds, 16 panels, and is printed on 80 pound stock. The retail price is \$4.95, and that is quite a baragain for something that fully summarizes both the Level II BASIC and assembler manuals.

# MOTOROLA & INTEL EQUIPMENT AVAILABLE

We are in receipt of a list of 8080/6800/6809 devices being offered for sale by a Southern California-based firm. The accompanying letter states that vacuum, laser, and audio devices, as well as large quantities of IC chips are also available. Contact The STACK for further information.

## CONTRIBUTED SOFTWARE

The following program will help you find your way around Manhattan. I hope you enjoy using it. When you need to locate a street address just run the program.

```
10 REM LOCATE MANHATTAN ADDRESS
20 REM WRITTEN BY EDWARD L. GITTELSON
30 REM VIRTUAL SYSTEM COMPUTER CONSULTANT
40 REM 135 CLINTON ST APT 1Y
50 REM HEMPSTEAD, NEW YORK 11550
60 REM
70 REM NORTH STAR BASIC VERSION 6
80 REM COPYRIGHT (c) 1979
90 REM
100 DIM A$(23),S$(17),T$(544),T1(31),T2(31)
110 PRINT "MANHATTAN ADDRESS PROGRAM"
120 PRINT "WRITTEN JAN 1979"
130 PRINT "COPYRIGHT (c) 1979 BY VIRTUAL SYSTEMS"
140 PRINT "VERSION #1 - NORTH STAR"
150 PRINT
160 REM AVE TABLE
170 DATA "5TH AVE",20,24
180 DATA "10TH AVE",20,14
190 DATA "1ST AVE",20,3
200 DATA "2ND AVE",20,3
210 DATA "3RD AVE",20,10
220 DATA "4TH AVE",20,8
230 DATA "7TH AVE",20,12
240 DATA "8TH AVE",20,10
250 DATA "9TH AVE",20,13
260 DATA "AMSTERDAM AVE",20,60
270 DATA "AUDUBON AVE",20,165
280 DATA "AVE A",20,3
290 DATA "AVE B",20,3
300 DATA "AVE C",20,3
310 DATA "AVE D",20,3
320 DATA "AVE OF AMERICAS",20,-12
330 DATA "BROADWAY",20,-30
340 DATA "CENTRAL PARK WEST",10,60
350 DATA "COLUMBUS AVE",20,60
360 DATA "CONVENT AVE",20,127
370 DATA "EDGEcombe AVE",20,134
380 DATA "FT WASHINGTON AVE",20,158
390 DATA "LENOX AVE",20,110
400 DATA "LEXINGTON AVE",20,22
410 DATA "MADISON AVE",20,26
420 DATA "MANHATTAN AVE",20,100
430 DATA "PARK AVE",20,35
440 DATA "PLEASANT AVE",20,101
```

```

450 DATA "RIVERSIDE DRIVE",10,72
460 DATA "ST NICHOLAS AVE",20,110
470 DATA "WADSWORTH AVE",20,173
480 DATA "WEST END AVE",20,60
 90 REM ADDRESS LOCATOR
500 FOR J=0 TO 31
510     LET I1=17*J+1
520     LET I2=I1+16
530     READ S$,T1(J),T2(J)
540     LET T$(I1,I2)=S$+"
550 NEXT
560 PRINT "THIS PROGRAM WILL: "
570 PRINT "    FIND THE STREET"
580 PRINT "    GIVEN THE AVE ADDRESS"
590 PRINT
600 PRINT "ABBREVIATE AVENUE AS AVE"
610 PRINT "ENTER ADDRESS: # AND AVE NAME"
 20 INPUT "    : ",A$
630 IF A$<>" " THEN 660
640 PRINT "NO ADDRESS ENTERED"
650 GOTO 560
660 IF A$(1,1)<>" " THEN 690
670 PRINT "1ST CHARACTER CAN'T BE SPACE"
680 GOTO 560
690 IF (ASC(A$)>44) AND (ASC(A$)<58) THEN 720
700 PRINT "NUMBER MUST BE ENTERED FIRST"
710 GOTO 560
720 LET L=LEN(A$)
730 IF L>6 THEN 760
 40 PRINT "TOO SHORT TO BE VALID"
750 GOTO 560
760 FOR J=1 TO L
770     IF A$(J,J)="." THEN EXIT 800
780 NEXT
790 GOTO 820
800 PRINT "DEC PT NOT ALLOWED"\GOTO 560
810 IF L>9 THEN L=9
820 FOR J=2 TO L
830     IF A$(J,J)=" " THEN EXIT 800
840     LET I2=ASC(A$(J,J))
850     IF (I2<48) OR (I2>57) THEN EXIT 870
860 NEXT
870 PRINT "SEPARATE NAME FROM NUMBER "\GOTO 560
880 LET NO=VAL(A$(1,J-1))
890 IF NO>0 THEN 910
900 PRINT "INVALID NUMBER"\GOTO 560
910 LET S$=A$(J+1)\L=LEN(S$)-2
920 IF L<3 THEN 740
930 LET S$=S$+
940 FOR I1=1 TO L
950     IF A$(I1,I1+3)=" ST " THEN EXIT 990
960     IF A$(I1,I1+3)="STRE" THEN EXIT 990
970 NEXT
980 LET L=L+2\S$=S$(1,L)\GOTO 1030
 90 PRINT "PLEASE ENTER AN AVE"

```

```

000 PRINT "PGM DOES NOT ACCEPT STREETS"
010 GOTO 560
020 REM SPECIAL CASES
030 IF S$<>"5TH AVE" THEN 1180
040 LET J=0
050 IF (NO<775) OR (NO>1286) THEN 1070
060 LET T1(0)=10\T2(0)=-18\GOTO 1300
070 IF NO>2000 THEN 1300
080 LET I2=NO/200+1
090 IF I2>6 THEN I2=I2-2.5
100 LET I2=INT(I2)
110 ON I2 GOTO 1120,1130,1140,1150,1160,1170,1170
120 T2(0)=13\GOTO 1300
130 T2(0)=16\GOTO 1300
140 T2(0)=18\GOTO 1300
150 T2(0)=20\GOTO 1300
160 T2(0)=45\GOTO 1300
170 T2(0)=35\GOTO 1300
180 LET J=32
190 REM BINARY SEARCH
200 LET J=J/2
210 IF J<>INT(J) THEN 1270
220 LET I1=17*J+1\I2=I1+1-1
230 LET A$=T$(I1,I2)
240 IF S$=A$ THEN 1300
250 IF S$<>A$ THEN J=3*J
260 GOTO 1200
270 PRINT "ADDRESS NOT FOUND"
280 GOTO 560
290 REM CALCULATE STREET
300 LET N1=INT(NO/T1(J)+T2(J))
310 IF (J=6) AND (N1>110) THEN N1=N1+8
320 PRINT NO,S$, "IS"
330 IF ((J=16) AND (N1>22) OR (J<>16) THEN 1360
340 PRINT " BELOW 23RD STREET
350 GOTO 1450
360 IF ((J=28) AND (N1<166)) OR (J<>28) THEN 1390
370 PRINT " ABOVE 165TH STREET
380 GOTO 1450
390 PRINT " BETWEEN "
400 GOSUB 1470
410 PRINT " AND ",
420 LET N1=N1+1
430 GOSUB 1470
440 PRINT
450 STOP
460 REM SUBROUTINE
470 LET NO=N1-10*INT(N1/10)
480 IF NO<3 THEN 1540
490 ON NO GOTO 1510,1520,1530
500 PRINT "* ERROR *" \GOTO 1550
510 PRINT N1,"ST STREET", \GOTO 1550
520 PRINT N1,"ND STREET", \GOTO 1550
530 PRINT N1,"RD STREET", \GOTO 1550
540 PRINT N1,"TH STREET", \GOTO 1550

```

1550 RETURN  
1560 END

#### ADM-3A DIRECT CURSOR ADDRESSING

Bob Kowitt submitted the following gem for MBASIC tinkerers:

```
10 DEF FNY$(X,Y)=CHR$(27)+"="+CHR$(X+32)+CHR$(Y+32)
20 PRINT FNY$(12,5);WORD$:REM*** 'WORD$' is any desired character sequence
```

#### CLASSIFIED NOTICES

SHUGART disk drive alignment and repair by Computer Corrector. Contact Steve Metal. (516) 499-1135

For Sale - IBM Selectric w/tractor/interface/Z-80 driver software/extra ball. Original cost \$1200. Asking \$600. Bob Kowitt (516) 483-5781

Services - Accounting, record-keeping, & tax services provided weekly, monthly, or quarterly -- basis to suit. Sales tax, employer wage forms, bank records, cash receipts and disbursements journals, general ledgers, etc. Small business and personal accounts invited. Aileen Harrison (516) 938-6769

For Sale - ALKEN Selectric I/O writer with parallel interface, driver software and yellow formica deep-well table. Al Stone. (516) 731-1649

Repair Service - KIM, SYM, AIM-65 Single Board Computers. Contact Steve Perry (516) 744-6462

For Sale - Amateur RTTY Equipment. Model 28 KSR, Model 28 three-speed typing reperf., Model 14 T.D. Also, complete set of cables and controls; TTL/2 MAIN LINE Terminal Unit; and Main Line AFSK generator. Details: (516) 744-6462

#### COMMERCIAL ADVERTISING POLICY

In an effort to cover our costs of duplication and mailing, and to provide a more extensive monthly edition of The STACK, commercial display ads are accepted in 1/4, 1/2 and full-page sizes. Minimum participation is for three months, and the three month rates are \$45, \$65, and \$100 respectively. Copy need not be the same each month. Camera-ready material must be accompanied by checks payable to LICA.

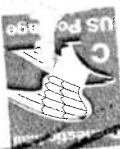
The LONG ISLAND COMPUTER ASSOCIATION is open to anyone, amateur or professional, with an interest in computers, computer applications, programming, or related subjects. Dues are \$10 per year, which includes monthly issues of this publication, The STACK.

The STACK is also mailed to other computer clubs on an exchange basis, as well as to various technical publishers. Permission for reprinting or quoting items appearing in The STACK is granted providing that credit is given, and that a copy of the reprinted data or information is sent to The STACK.

Members can vote in club elections, and place non-commercial classified ads without charge, and commercial ads at nominal cost.

Member articles and other data affecting The STACK must be received no later than one week prior to the last calendar day of the month prior to that of publication.

FIRST CLASS



The STACK  
LONG ISLAND COMPUTER ASSOCIATION  
3788 Windsor Drive  
Bethpage, NY 11714