PUBLISHED BY SCHOLASTIC INC.

MARCH 1984

VOLUME 2 NUMBER 3

\$1.95

THE COMPUTER: New Tool for the Garden A Guide to Telecomputing Games: Arcade vs. Adventure Cooking and Nutrition Software

Burers Guidente





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FAMILY COMPUTING (ISSN 0738-6079) is published monthly by Scholastic Inc., 730 Broadway, New York, NY 10003. Subscriptions: in the U.S. and possessions, 12 issues for \$17.97; outside the U.S. add \$6 (surface mail) or \$24 (airmail). Office of publication: P.O. Box 2700, Monroe, OH 45050-2700. Application to Mail at Second Class Postage Rates is pending at Monroe, Ohio, 45050-9998 and additional offices. POSTMAS-TER: Send address changes and notice of undelivered copies to FAMILY COMPUTING, P.O. Box 2511. Boulder, CO 80322. Printed in U.S.A. Copyright © 1984 by Scholastic Inc. All rights reserved.

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LETTERS

SUPPORT FOR TI

We are an elementary school with TI-99/4As. Please, please continue to have programs and information on TI equipment. Our students thoroughly enjoyed Pulse Rate, Jack-O'-Lantern, and Trick or Treat in your October 1983 issue.

> P.J. REED Wynford South School Nevada, OH

I am a home-schooling mother and am delighted with your programs for preschoolers. I have just sent off for a subscription to FAMILY COMPUTING because I found myself buying each issue at the bookstore. Keep up the good work, and please don't forget the many TI users.

> MRS. ELEANOR TORRES Slidell, LA

months now. I think it's great. I have been thinking about this for a while: I think you should have a FAMILY COM-PUTING fan club. It could cost 50 cents (or more if you want). You could advertise in the next issue. I would send you some information and some very good programs.

> BERNIE MUDRA, age 10 Addison, IL

EDITOR'S NOTE: Thanks for your suggestion and your offer. Although we're not about to start a fan club, we'd certainly love more devoted fans like yourself!

TEACHER'S PET PUBLICATION

My compliments to you on a very fine publication. I am a professor of continuing and vocational education especially liked your modifications for beginner programs.

BEATRICE PETRICH, Professor University of Wisconsin Madison, WI

A DIFFERENCE OF OPINION

In your Computing Clinic (November 1983), Mr. Koetke informed your readers that, with the exception of the short leader, there is no difference between computer cassettes and audio cassettes. Unfortunately, I have to disagree with his opinion! There is a serious difference between audio cassettes and Maxell's data cassettes.

In addition to having a short leader and shorter length than the typical audio cassettes, our data cassettes are of moderate output to ensure the proper sensitivity. They are a low-noise tape with a cassette shell that has been designed specifi-

EDITOR'S NOTE: In order to serve the	with emphasis in home economics,	cally for computer-data application.	
needs of all our readers, FAMILY COM-	and I have found your magazine to	The tape is also drop-out free.	
PUTING will continue to publish infor-	be especially appropriate for teachers		
mation and programs for TI users.	in the field. I have recommended	CARL LINDQUIST	
	FAMILY COMPUTING as the best for them	Advertising Manager	
A FAN CLUB?	if they can purchase only one maga-	Maxell Corporation of America	
I have read FAMILY COMPUTING for two	zine. We are using the IBM PC, so I	Moonachie, NJ	

COCO'S "NO WEAKLING"

I was disappointed that "Popular Word Processing Programs by Computer" (December 1983) failed to mention either *Telewriter* 64 or *Super Color Writer* for the CoCo (TRS-80 Color Computer). I understand that these are both full-featured word processors and are reasonably priced. Both offer a variety of screen formats. It seems a shame that people should be left with the impression that CoCo is a weakling in the word-processing department if it isn't true.

Mr. McWilliams's article ("The Layman's Guide to Word Processing") was generally well written and very informative. I appreciate the impossibility of covering EVERYTHING in such an article, and I am not a CoCo owner myself, but I feel CoCo got less than its due.

I read your magazine from cover to cover and was favorably impressed. The articles on Roberta Williams, "Things Computer People Seldom Tell You," and Home Business were among my favorites. most popular and most established programs for each computer. We'd also like to point out that Peter McWilliams deserves your praise for his informative article. However, he did not write the software guide that followed it and therefore does not deserve any criticism leveled at it.

GENEALOGY GUIDANCE

I read your article "Castles, Cathedrals, and Computers" in your November 1983 issue. I really enjoyed it, as I have been putting together our family histories. I have been wondering about the different programs available for genealogy to store information.

Which program do you recommend as being the easiest and simplest while still having all the necessary information? Does Atari have any programs available?

Several of us in this area are interested in some programs to store our information. Please advise us where to get a copy of *Genealogical Computina Newsletter*. one program for the Atari 800. Titled Genealogy I and II, the \$69 program is available from Ronan, 5509 Camber Dr., San Diego, CA 92117. The Genealogical Computing Newsletter regularly reviews and rates new programs. Its address is: Data Transfer Assn., 5102 Pommeroy Dr., Fairfax, VA 22032.

LANCELOT TO THE RESCUE

I am writing to let you know how much help Mr. Lance Paavola was. I tried to program the *Christmas Tree* into my TI-99/4A and had problems getting it to work. I told Mr. Paavola what happened, and he told me how to correct the problem. He said to call back if I came across any other errors. Again, he came to the rescue, and now the program works great. I am now a joyful reader of your magazine. I am also giving it as a gift to my wife for Christmas.

> TIMOTHY GUY Winter Springs, FL

numeration of the lotters

	3 2	putting newstetter.	FAMILY COMPUTING looks forward to letters
	BILL BUCHANAN	MADOEDVICADAME	from all our readers. Please direct your
	Alberta, Canada	MARGERY K. ADAMS	correspondence to: Letters to the Editor.
	riberta, cartada	Oberlin, KS	FAMILY COMPUTING, 730 Broadway, New
	nomonia Nome Verifica stability infants		York. NY 10003. Include your name,
	EDITOR'S NOTE: You're right, unfortu-		address, and phone number. We reserve
	nately. It's impossible to cover	EDITOR'S NOTE: The Genealogical Com-	the right to edit your letters for length
	EVERYTHING. We tried to cover the	puting Newsletter we received lists	and clarity.
ļ			

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important information, put it on TDK. You've got nothing to lose.



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HOME-SCHOOL CONNECTION

clamoring to get in."

Nemecek believes the kids in his district are taking to typing because they're thinking ahead. Whether they go on to college—as do 75 percent of the students in the district or take a job, the students know they'll need keyboarding skills to survive. "They take it simply because they want the skills. They're very practical." Nemecek says.

But students everywhere aren't so enthusiastic about a skill some view as less than glamorous. Janet Oneto, of Scotts Valley, California, wanted her kids to learn how to type before taking computer courses and found that her children weren't thrilled at the prospect, complaining that typing classes are notoriously boring. Her 12-year-old son, Bobby, was especially hard to convince.

"My son kind of gave me flak," Oneto said. "He didn't want to [take the course]. It was just not the 'in' thing to do."

On this issue, however, Oneto insisted. She had taken typing classes in the 1960s, and they had helped her immensely in her job at a bank. But Oneto says she and her fellow classmates had learned the skill for reasons very different from those of her children.

"I learned how to type because I thought it would help me get by in the business world," she says. "I'm having my kids learn it because computers are going to be a part of their lives and I think it's just going to save them time in the long run."

LIVING ROOM LEARNING

Not all students are learning to type in classroom settings. Software packages for learning and practicing typing skills have been on the market for more than a year. [For information on available software, see accompanying chart.] Enthusiastic supporters say that arcade-style typing games climinate the drudgery of lessons by turning them into a fastaction sport.

Jim Hauser is the designer of one of the most successful games, *Type Attack*. A former physics instructor at California Polytechnic State University in San Luis Obispo, he was trying to learn to type when he dreamed up the idea. In his game, the letters of the alphabet soar down the computer screen like alien invaders, vulnerable only to those who can type in the proper keys before the letters plummet to the bottom.

Hauser sees *Type Attack* as an educational device. It's an important link, he says, between the innocent thrills of a computer game and the hard-earned rewards of study. He designed the game to prove a point: "If

THE ABCs OF TYPING PROGRAMS

The following chart highlights a selection of programs designed to improve keyboard command for aspiring typists of all ages and skill levels. Another option is Type Test, a reader-written program for the TRS-80 Model III. included in FAMILY COMPUTING'S January issue.

Name of Program	Description	Publisher	Hardware Requirements	Price
MASTERTYPE	Diffuse approaching missiles by typing "enemy" words correctly in this arcade-style program. (See Software Guide, p. 120, for more on Master- Type.)	Scarborough Systems 25 N. Broadway Tarrytown, NY 10591 (914) 332-4545	Apple II/II plus/Ile/III w/ emulator, 48K (disk), and Applesoft ROM; Atari 400/800/1200XL, 16K (cartridge), 32K (cassette); Commodore 64 (disk and cartridge); IBM PC (disk)	\$39.95; \$49.95 for IBM PC
TOUCH TYPING TUTOR	Start from scratch or brush up on your skills. Features an on-screen keyboard and introduces keys in color.	Taylormade Software P.O. Box 5574 Lincoln, NB 68505 (402) 488-0196	Commodore 64 (disk and cassette); VIC-20. 8K (cassette)	\$19.95 for cassette: \$29.95 for disk
TOUCH TYPING TUTOR	Develop lightning-fast keyboard fingers with this drill-and-practice program designed for the TI-99/4A keyboard. Includes lessons and drills.	Texas Instruments P.O. Box 53 Lubbock, TX 79408 (800) TI-CARES	TI-99/4A, 32K (disk)	\$39.95
TYPE AND LEARN	Improve your command of the keyboard as you learn about computers in this drill-and-practice program that features computer-related words and paragraphs. Beginner through advanced levels.	Simsoft P.O. Box 7095 Port Huron, MI 48301 (313) 984-1570	IBM PC w/PC DOS (disk): TI-99/4A, 64K (disk)	\$49.95
TYPE ATTACK	Learn a lesson from Lexicon, a distant planet whose expert-typist inhabitants defeated the ar- mies of letters and words that are now plummet- ing toward the earth! Your only effective weapon is your typing skill in this arcade-style program.	Sirius Software 10364 Rockingham Dr. Sacramento, CA 95827 (916) 366-1195	Apple II/II plus/IIe/III w/ emulator, 48K (disk); Atari 800/1200XL, 48K (disk); Commodore VIC- 20, 5K (cartridge), C 64 (disk); IBM PC, PCjr, 64K (disk)	\$39.95
TYPING TUTOR	Learn the keyboard and track speed and accura- cy via a no-nonsense approach. Beginner through advanced levels.	Tandy/Radio Shack 1800 One Tandy Center Fort Worth, TX 76102 (817) 390-3011	TRS-80 Color Computer. 16K (program pack)	\$29.95
TYPING TUTOR II	Choose beginner, intermediate, or advanced lev- els, learn new letters or test speed on long pas- sages. (See Software Guide, p. 120, for more on Typing Tutor II.)	Microsoft 10700 Northup Way Bellevue, WA 98004 (206) 828-8080	Apple II/II plus/IIe, 48K (disk)	\$24.95
TYPING TUTOR III	Train for keyboard use and see a graphic illus- tration of your progress in this program de- signed for the serious computerist. Also includes "Letter Invaders," a shoot-'em-up game mode that breaks up the routine of lessons and speed tests.	Simon & Schuster Electronic Publishing 1230 Ave. of the Americas New York, NY 10020 (212) 245-6400	Apple II/II plus/IIe, 48K (disk); IBM PC and PC <i>jr</i> , 64K (disk); versions are planned for Commodore 64 and ADAM	\$49.95

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Everything you expect a great camp. to be with hands-on experience by computer science professionals, in addition to a full program of sports and social activities. Coed, ages

GAMES

REDEFINING THE FIELD

Occasionally, a new arcade game comes along that is worth special mention; one that represents another step in an evolutionary ladder. These games redefine the field and make all the best competition obsolete. River Raid (Activision), Spelunker (MicroGraphicImage), and Dino Eggs (MicroFun) are three such clever, exciting games. They provide the usual thrills and side effects of their genre: that horrible/wonderful elation that comes with staying alive into another round of play, the stress that causes all but the most self-controlled of us to snap at anyone who breaks our concentration.

River Raid provides the immediate arcade experience. There's no other shoot-'em-up available that draws the newcomer in so abruptly. And it's carefully designed so that the better you get, the more difficult the challenge of making it up the river. [See my interview with Carol Shaw, the game's designer. p. 68.] Dino Eggs and Spelunker are two ladder games that take the genre 10 steps forward. In the former, a delightful sense of humor highlights your mad attempt to rescue dinosaurs from a medieval plague. The clever animation and details, such as having to avoid the gigantic foot of a mother dinosaur, make it seem as if you're participating in a Fred Flintstone cartoon. Spelunker's approximately 30 screens, and the variety of actions required of players (jumping, climbing, planting dynamite) demand that you're always on your toes. There's always something happening here. These games are state-of-the-art great values. But in a field where innovation is so rapid that games are outdated before they ever reach the market, who knows where they'll be next year?

higher and higher as you reach new levels and previously uncharted screens in arcade games. But, frequently it's the same thing over and over. And if you master the game, that's it. Having lost its challenge, it'll end up in the drawer forever.

In *Conqueror*, or any number of other strategy games, however, you are called upon to use the thought processes involved in real life. I've found that the fun involved in this kind of use of the gray matter takes a lot longer to wear off.

By all means, arcade games do have their place. They're an unbeatable form of entertainment and relaxation, and I'll go into them more next month by surveying what's available in arcade adaptations for the home. But strategy, adventure, and hybrid games enhance the entertainment by taking it all one step further into the imagination, an unusual realm of experience, a

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TEXAS INSTRUMENTS 99/4A



FLIGHT SIMULATOR

Learn to fly with the Dow-4 Gazelle, a realistic IFR simulation of a typical 4-place private plane. It is not a game. A manual with 30 pages of text plus 7 figures helps the novice learn to fly. Experienced pilots will enjoy flying the ILS approach. Response time under 1 sec average. Display shows full panel (10 dials and 11 lights) and indicates position of runway for landing. Realistic sound effects. See reviews in Jan 83 99'er and Jun 83 AOPA Pilot. Requires joystick. Cassette. \$30.

EDITOR/ASSEMBLER

The Dow E/A turns your TI into an assembly language machine. For use with TI's Mini Memory Module. Fast and convenient. Allows use of entire RAM, Manual includes sample program with detailed explanations. See review in Aug 83 99'er. Cassette, \$25,

ASSEMBLY LANGUAGE PRIMER Teaches TI assembly language in step by step fashion for Basic programmers. Explains concepts in detail with many examples. This is what you have been waiting for if you haven't been able to understand the TI Edit or/Assembler manual. \$20 (Dow E/A and PRIMER \$40)

CLOSER TO MY DEFINITION OF FUN

Agreed, many arcade games, with their sharp graphics, are cute as all get out. They can offer hours of fun. But the same goes for *Conqueror* (Computer Software Associates; see Software Reviews, page 126), which has no graphics at all except for the lists of your holdings. (You play the part of a medieval monarch.) C.S.A.'s strategy program provides the opportunity to bring the family together for an evening of learning and exciting role-playing. It's a thrill to see your score grow marvelous world of fantasy, and closer to my definition of fun.

MANUFACTURERS MENTIONED:

Activision, 2350 Bayshore Frontage Rd., Mountain View, CA 94043; (415) 960-0410. *River Raid* available for Atari 400/800/1200XL, 16K (cartridge).

Computer Software Associates,

44 Oak St., The Silk Mill, Newton Upper Falls, MA 02164; (617) 527-7510. *Conqueror* available for Commodore VIC-20, 16K (cassette).

MicroFun, a division of Micro Lab, 2699 Skokie Valley Rd., Highland Park, IL 60035; (312) 433-7550. *Dino Eggs* available for Apple II/II plus/IIe, 48K (disk).

MicroGraphicImage, 12640 E. Northwest Hwy., Suite 410, Dallas, TX 75228; (214) 341-3791. *Spelunker* available for Atari 400/600XL/800/ 1200XL, 48K (disk).

Muse Software, 347 N. Charles St., Baltimore. MD 21201; (301) 659-7212. *Castle Wolfenstein* available for Apple II/II plus/IIe, 48K (disk); Atari 400/800/1200XL, 32K (disk); Commodore 64 (disk). For t © 19 are t of In

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For additional information, write or call 412-521-9385. To order, send check or MO U.S. funds:

JOHN T. DOW 6560 Rosemoor Street Pittsburgh, Pa. 15217 Postage to U.S. and Canada included. (If foreign, add U.S. \$2.) Pa. residents add 6% **Strategic Simulations,** 883 Stierlin Rd., Bldg. A-200, Mountain View, CA 94043; (415) 964-1353. *Broadsides* available for Apple II/II plus/IIe, 48K (disk).

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sette and can be transferred to a disk. While they do not allow you to save incoming data to disk, these programs have been well received by users.

Atari, Inc. says it is now sending off its new Atari 1030 modem, which comes with built-in *ModemLink* software. The 1030 modem is also compatible with Atari's *TeleLink* software, which comes on a cartridge. Neither the *Modem-Link* nor *TeleLink* software allows you to receive and save files.

MORE NOTEWORTHY PROGRAMS

There is, of course, a landslide of third-party software as developers try to cash in on the telecomputing boom. Much of it does nothing that the free *MODEM* program doesn't do, but there are some noteworthy gems.

When shopping for communications software, you should look for two main things. First, the program should be easy to use. This is true of all software, but since telecommunicating can be complex, it is even more important. Do you need a Ph.D. from Harvard to figure the program out? Let a dealer run you through the program to check. Make sure the documentation has a good index, so that you can find information in a hurry while you're online. A good program will let you jump around from menu to menu, from command to command, quickly and easily.

Second, the program should have a good error-checking routine. The best is the above-mentioned Christensen protocol. Also check for XON and XOFF codes. These tell the sending computer to start sending data and to stop when the buffer is full. When data has been saved and the buffer is empty, XON will restart the process. Some programs allow you to save files, a nice feature. Others provide "macros," where you can store phone numbers and modem settings for people you call often. And some programs have a built-in mechanism that allows you to automatically log-on to information services. One of the better programs around, Modem 80 (The Alternate Source), for TRS-80 Models I, III, and 4 (in Model III mode), works well, is very flexible, and costs no more than a game-\$39.95. The best communications program for the Atari is Teletalk (Datasoft, \$49). The new version of this disk-based program allows users to "download" programs from bulletin boards, may incorporate the Christensen protocol, according to sources. A Commodore version is also in the works. The program many refer to as "the best" is ASCII Express, The Professional (for Apple II/II plus/IIe/III w/ emulator). This program is high-powered, designed primarily for professional use, but is finding its way into more and more homes. Southwestern Data Systems, the publisher, also markets Z-Term The Professional and P-Term The *Professional* (both for the Apple). These programs are for more specialized needs, such as handling CP/M or Pascal code. 📧



DESIRABLE FEATURES IN A MODEM

	Software)						
	DATALINK (Link Systems)	APPLE II IBM PC	Y Y	Y Y	Y Y	1200 to 9600	99 199
	VTERM (Infosoft Syst.)	CP/M	N	N	N	1200	95
	LOGON (Ferox Micro- Systems)	TRS-80 II APPLE II/III IBM PC	Y	Y	Y	1200	150
	MICROLINK II (Digital Marketing)	CP/M CP/M-86 MS-DOS	Y	Y	Y	1200	99
	MICRO- TERMINAL (Microcom)	APPLE II IBM PC	Y Y	Y Y	Y Y	1200 1200	84 99
	MODEM 80 (The Alternate Source)	TRS-80 1/11	Y	Y	Y	1200	39
	P-TERM (Southwestern Data)	APPLE II	Y	Y	Y	300/ 1200	129
	POST-TERM (Phil. Consulting)	TRS-80 1/11/111/4	Y	Y	N	300/ 1200	134
	SMARTCOM I (Hayes)	APPLE II/III	Y	Y	Y	300	119
	SMARTCOM II (Hayes)	IBM PC	Y	Y	Y	1200	149
	TELELINK** (Atari Inc.)	ATARI	N	N	N	300	29
	TELETALK (Datasoft)	ATARI	N	N	Y	1200	49
	TELETARI (Don't Ask Software)	ATARI	Y	Y	N	to 9600	39
	TERM 64* (Commodore)	COMMODORE 64	Y	N	N	300	9
	TERMINAL (Texas Instruments)	EMULATOR II TI	Y	N	Y	300	24
	VICTEDMA	COMMODOUE	R.T.	N	N	200	0

1. Direct-connect	VICTERM* (Commodore)	COMMODORE VIC-20	N	N	N	300	9
 2. 300 baud (minimum) 3. Full- and half-duplex 4. Originate/answer 	VIDEOTEXT PLUS (Tandy)	TRS-80 I/III/4	Y	N	Y	300	49
 4. Originate/answer 5. Auto-dial/Auto-answer 6. Bell 103 standard (for 300 baud); Bell 212A standard (for 1,200 baud) 	Z-TERM THE PRO (Southwestern Data)	APPLE II	Y	Y	Y	300/ 1200	149
 7. Software included 8. FCC approved 	• Cannot transf • Cartridge	er files					

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SPRING PROGRAMS MUSICAL CHAIRS

BY JOEY LATIMER

Here's a perfect rainy day activity for kids. Now your computer can lead an oldfashioned game of Musical Chairs!

First set up a circle of chairs, facing outwards, one short the total number of players. An old nursery rhyme will play as soon as you run the program. while the players should begin to march around the outside of the circle. When the music suddenly stops, each player should jump into a chair. The player left standing is out of the game. Remove another chair, press the RETURN or ENTER key for the music to start up again, and enjoy an afternoon of endless surprise!



60 PRINT "MUSICAL CHAIRS PROGRAM" 70 PRINT 80 PRINT "PRESSING <RETURN>" 90 PRINT "STARTS THE MUSIC. THE" 100 PRINT "MUSIC MAY STOP AT ANY" 110 PRINT "TIME." 120 PRINT 130 INPUT "READY? PRESS <RETURN>";R\$ 150 T=INT(RND(1)*57)+15 160 RESTORE 170 C=0 180 GR 190 IF C>=T THEN 360 200 IF C<24 THEN 240 210 RESTORE 220 T=T-C 230 C=0 240 COLOR=INT(RND(1) \star 16) 250 PLOT INT(RND(1)*39), INT(RND(1)*39) 270 READ PTCH, DURN 280 POKE 8, PTCH 290 POKE 6, DURN 300 CALL 768 340 C=C+1 350 GOTO 190 360 TEXT 370 HOME 390 PRINT "REMOVE A CHAIR. THEN" 400 PRINT "PRESS <RETURN> TO" 410 INPUT "START THE MUSIC AGAIN";R\$ 430 GOTO 150 1000 DATA 140,106,124,32,140,74,160,74,170,74,160,74

	TRS-80 Color Computer/ <i>Musical Chairs</i>	1010 DATA 140,128,185,74,170,74,160,128,170,72,160,72 1020 DATA 140,128,140,106,124,32,140,74,160,74,170,74 1030 DATA 160,74,140,128,185,74,140,128,170,74,215,25
	50 CLS	5
	60 PRINT "MUSICAL CHAIRS PROGRAM"	2000 DATA 165,8,74,133,9,164,8,173,48,192,136
:	70 PRINT	2010 DATA 234,234,208,251,165,7,56,229,9,133
	80 PRINT "PRESSING <enter>"</enter>	2020 DATA 7,176,237,198,6,208,233,96
	90 PRINT "STARTS THE MUSIC. THE"	
	100 PRINT "MUSIC MAY STOP AT ANY"	
	110 PRINT "TIME."	
	120 PRINT	Atari/Musical Chairs
	130 INPUT "READY? PRESS <enter>";R\$</enter>	10 DIM R\$(1)
	150 T=INT(RND(57))+15	50 PRINT CHR\$(125)
	160 RESTORE	60 PRINT "MUSICAL CHAIRS PROGRAM"
	170 C=0	70 PRINT
	180 CLS	80 PRINT "PRESSING <return>"</return>
	190 IF C>=T THEN 370	90 PRINT "STARTS THE MUSIC. THE"
	200 IF C<24 THEN 240	100 PRINT "MUSIC MAY STOP AT ANY"
	210 RESTORE	110 PRINT "TIME."
	220 T=T-C	120 PRINT
	230 C=0	130 PRINT "READY? PRESS <return>";</return>
	240 CLS(RND(9)-1)	140 INPUT R\$
	270 READ PTCH, DRTN	150 T=INT(RND(1)*57)+15
	280 SOUND PTCH, DRTN	160 RESTORE
	340 C=C+1 350 GOTO 190	170 C=0
	370 CLS	180 PRINT CHR\$(125)
	390 PRINT "REMOVE A CHAIR. THEN"	190 IF C>=T THEN 360
	400 PRINT "PRESS <enter> TO"</enter>	200 IF C<24 THEN 240
	410 INPUT "START THE MUSIC AGAIN.";R\$	210 RESTORE
	430 GOTO 150	220 T=T-C
	1000 DATA 204,6,210,2,204,4,197,4,193,4,197,4	
	1010 DATA 204,8,185,4,193,4,197,8,193,4,197,4	240 SETCOLOR 4, INT(RND(1)+15), 10
	1020 DATA 204,8,204,6,210,2,204,4,197,4,193,4	250 SETCOLOR 2, INT(RND(1)+15),10
	1030 DATA 197,4,204,8,185,8,204,8,193,4,176,12	270 READ PTCH, DUR
		280 SOUND 0,PTCH,10,15



Nella Statistica (1997) Statistica		
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	SPRING PROGRAMS	
	410 PRINT "START THE MUSIC AGAIN";	200 IF C<24 THEN 240
	420 INPUT R\$	210 RESTORE
	430 GOTO 150	220 T=T-C
	1000 DATA 81,125,72,42,81,83,91,83,96,83,91,83	230 C=0
	1010 DATA 81,167,108,83,96,83,91,167,96,83,91,83	240 COLOR 1, INT(RND(1)*8), INT(RND(1)*16)
	1020 DATA 81,167,81,125,72,42,81,83,91,83,96,83	250 CLS
	1030 DATA 91,83,81,167,108,167,81,167,96,83,121,333	270 READ PTCH, DRTN
:		280 SOUND PTCH, DRTN
		340 C=C+1
· · · · · · ·		350 GOTO 190
· · · · · · · · · · · · · · · · · · ·		360 COLOR 7,0,0
	Commodore 64/Musical Chairs	370 CLS
· · · · · · · · · · · · · · · · · · ·	10 POKE 54296,15	390 PRINT "Remove a chair. Then"
	20 POKE 54277,72	400 PRINT "press <return> to"</return>
	30 POKE 54278,132	410 INPUT "start the music again.";R\$
	40 POKE 54276,33	430 GOTO 150
	50 PRINT CHR\$(147)	1000 DATA 392,6,440,2,392,4,350,4,330,4,350,4
	60 PRINT "MUSICAL CHAIRS PROGRAM"	1010 DATA 392,8,294,4,330,4,350,8,330,4,350,4
	70 PRINT	1020 DATA 392,8,392,6,440,2,392,4,350,4,330,4
	80 PRINT "PRESSING <return>"</return>	1030 DATA 350,4,392,8,294,8,392,8,330,4,262,12
	90 PRINT "STARTS THE MUSIC. THE"	
	100 PRINT "MUSIC MAY STOP AT ANY"	
	110 PRINT "TIME."	
	120 PRINT	
	130 INPUT "READY? PRESS <return>";R\$</return>	
	150 T=INT(RND(1)*57)+15	TI-99/4A/Musical Chairs
	160 RESTORE	10 RANDOMIZE
	170 C=0	50 CALL CLEAR
	180 PRINT CHR\$(147)	60 PRINT "MUSICAL CHAIRS PROGRAM"
	190 IF C>=T THEN 370	70 PRINT
	200 IF C<24 THEN 240	80 PRINT "Pressing <enter>"</enter>
:	210 RESTORE	90 PRINT "starts the music. The"
	220 T=T-C	100 PRINT "music may stop at any"
	230 C=0 240 POKE 53280,INT(RND(0)*15)+1	110 PRINT "time."
· · · · ·	250 POKE 53281, INT (RND(0)*15)+1	120 PRINT
	270 READ HF, LF, DUR	130 PRINT "Ready? Press <enter>";</enter>
er et jan	280 POKE 54273, HF	140 INPUT R\$ 150 T=INT(RND*57)+15
	290 POKE 54272, LF	
	300 FOR DE=1 TO DUR	160 RESTORE
	310 NEXT DE	170 C=0 180 CALL CLEAR
:	320 POKE 54272,0	180 CALL CLEAR 190 IF C>=T THEN 360
· · · · · · ·	330 POKE 54273,0	200 IF C<24 THEN 240
· . · ·	340 C=C+1	210 RESTORE
		220 T=T-C
	350 GOTO 190 370 POKE 53281,6	230 C=0
	390 PRINT"REMOVE A CHAIR. THEN"	240 CALL COLOR(1,INT(RND*16)+1,INT(RND*16)+1)
	400 PRINT"PRESS <return> TO"</return>	270 READ PTCH, DRTN
	410 INPUT"START THE MUSIC AGAIN.";R\$	280 CALL SOUND (DRTN, PTCH, 10)
	430 GOTO 150	340 C=C+1
	1000 DATA 25,30,183,28,49,62,25,30,125,22,96,125,21,31	350 GOTO 190
	,125,22,96,125	360 CALL COLOR(1,2,1)
	1010 DATA 25,30,250,18,209,125,21,31,125,22,96,250,21,	390 PRINT "Remove a chair. Then"
	31,125,22,96,125	400 PRINT "Press <enter> to"</enter>
	1020 DATA 25,30,250,25,30,183,28,49,63,25,30,125,22,96	410 PRINT "start the music again.";
	,125,21,31,125	420 INPUT R\$
	1030 DATA 22,96,125,25,30,250,18,209,250,25,30,250,21,	430 GOTO 150
· :	31,125,16,195,500	1000 DATA 784,300,880,100,784,200,698,200,659,200
· · · · · · ·		1010 DATA 698,200,784,400,587,200,659,200,698,400
: ·		1020 DATA 659,200,698,200,784,400,784,300,880,100
		1030 DATA 784,200,698,200,659,200,698,200,784,400
· · · ·	IBM PC Musical Chairs	1040 DATA 587,400,784,400,659,200,523,600
	50 CLS	
:	60 PRINT "MUSICAL CHAIRS PROGRAM"	
	70 PRINT	
	80 PRINT "Pressing <return>"</return>	Timex Sinciair 2068/Musical Chairs
·· . ·	90 PRINT "starts the music. The"	



SPRING PROGRAMS

130 INPUT "READY? PRESS <ENTER>";R\$ 150 LET T=INT(RND*57)+15 **160 RESTORE** 170 LET C=0 180 CLS **190 IF C>=T THEN GOTO 360** 200 IF C<24 THEN GOTO 240 210 RESTORE 220 LET T=T-C 230 LET C=0 240 BORDER INT(RND*8) 250 PAPER INT(RND+8) 260 CLS 270 READ PTCH, DRTN 280 BEEP DRTN, PTCH 340 LET C=C+1 350 GOTO 190 360 BORDER 7 370 PAPER 7 380 CLS 390 PRINT "REMOVE A CHAIR. THEN" 400 PRINT "PRESS <ENTER> TO" 410 PRINT "START THE MUSIC AGAIN.";R\$ 420 INPUT RS 430 GOTO 150 1000 DATA 7, 3,9, 1,7, 2,5, 2,4, 2,5, 2,7, 4 1010 DATA 2, 2,4, 2,5, 4,4, 2,5, 2,7, 4 1020 DATA 7, 3,9, 1,7, 2,5, 2,4, 2,5, 2,7, 4 1030 DATA 2,.4,7,.4,4,.2,0,.6

KIDS' ALLOWANCE PLANNER

BY JOEY LATIMER

Every time you walk past the toy store, does your heart ache for that special something in the window? Are your cries of "Can you ple-e-ease buy it for me, Mom?" falling on deaf ears? Is your birthday too far off to wait, and is Christmas even further?

Well, you'll just have to buy it with your allowance. If your reply is "What allowance? I've spent it all!" then this budget program is for you! It will ask you for your current savings and the cost of your planned purchase(s), then tell you how much money you'll have left. And if ""re over hudget it will



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VIC-20/Musical Chairs	estimate when in the fu- ture you can afford your purchase(s), based on the
10 POKE 36878,15 50 PRINT CHR\$(147) 60 PRINT "MUSICAL CHAIRS PROGRAM" 70 PRINT 80 PRINT "PRESSING <return>"</return>	sum of your weekly allow- ance and/or any other weekly earnings you might have.
90 PRINT "STARTS THE MUSIC. THE" 100 PRINT "MUSIC MAY STOP AT ANY" 110 PRINT "TIME." 120 PRINT	ADAM & Apple/Kids' Allowance Plan
130 INPUT "READY? PRESS <return>";R\$ 150 T=INT(RND(1)*57)+15 160 RESTORE 170 C=0 180 PRINT CHR\$(147) 190 IF C>=T THEN 360 200 IF C<24 THEN 240 210 RESTORE 220 T=T-C 230 C=0 240 POKE 36879,INT(RND(0)*255)+1 270 READ PTCH,DRTN</return>	20 DIM T\$(100),C(100) 40 HOME 50 PRINT "PRESS <return>" 60 PRINT "AFTER EACH REPLY." 70 PRINT 80 PRINT "WHAT IS YOUR NAME"; 90 INPUT N\$ 100 HOME 110 PRINT "ALL RIGHT ";N\$;"," 120 PRINT "LET'S TALK MONEY!" 130 PRINT 140 PRINT "IN DOLLARS AND CENTS,"</return>
280 POKE 36875,PTCH 300 FOR DE=1 TO DRTN 310 NEXT DE 320 POKE 36875,0 340 C=C+1 350 GOTO 190 360 POKE 36879,27 390 PRINT-"REMOVE A CHAIR. THEN" 400 PRINT"PRESS <return> TO"</return>	150 PRINT "HOW MUCH MONEY DO YOU" 160 PRINT "HAVE IN YOUR SAVINGS?" 170 PRINT "FOR EXAMPLE, \$? 31.50" 180 PRINT "\$"; 190 INPUT S 210 PRINT 220 PRINT "HOW MUCH ALLOWANCE" 230 PRINT "DO YOU GET EACH WEEK?" 240 PRINT "\$";
410 INPUT"START THE MUSIC AGAIN.";R\$ 430 GOTO 150	250 INPUT A



· . :	SPRING PROGRAMS		
	700 CLS	560 W=INT(W)+1	· · · · · · · · · · · · · · · · · · ·
	710 PRINT "AFTER BUYING"	570 PRINT "BUT IF YOU SAVE \$"; A+E	
	720 PRINT	580 PRINT "EACH WEEK YOU CAN BUY"	
· ·	730 PRINT "ITEM","COST"	590 PRINT "IT IN ";W;" WEEKS."	
:	740 PRINT "",""	600 PRINT	
· · · · · · · · · · · · · · · · · · ·	750 FOR J=1 TO X	610 PRINT "WANT TO START AGAIN";	
	760 IF J/14>INT(J/14) THEN 800	620 INPUT R\$	
• • •	770 PRINT " (PRESS <enter>)"</enter>	630 IF RS="Y" THEN 330	
	780 INPUT R\$	640 GOTO 850	
	790 CLS	650 X=X+1	
	800 PRINT T\$(J),C(J)	670 T\$(X)=8\$	
· ·	810 NEXT J	680 C(X)=P	
	820 PRINT	690 M=M+P 700 catte cerap	
	830 PRINT "YOU'LL HAVE"	700 CALL CLEAR 710 PRINT "AFTER BUYING"	:
·	840 PRINT "\$";S-M;" LEFT."	720 PRINT	
: .	850 PRINT 860 PRINT "DO YOU WANT TO BUY"	730 PRINT "ITEM", "COST"	
• • • •	870 PRINT "SOMETHING ELSE? (Y/N)"	740 PRINT ""	
•	880 INPUT R\$	750 FOR J=1 TO X	: •
· · · · · · · ·	890 IF R\$="Y" THEN 350	760 IF J/12>INT(J/12)THEN 800	
	000 TE DEZNUNU THEN 880	770 PRINT " (PRESS <enter>)"</enter>	
·	910 PRINT	780 INPUT R\$	
	910 PRINT 920 PRINT "YOU HAD \$";S;"." 930 PRINT "YOU SPENT \$";M;","	790 CALL CLEAR	1 · · ·
	930 PRINT "YOU SPENT \$":M:"."	800 PRINT T\$(J),C(J)	. ·
	940 PRINT "LEAVING \$";S-M;"."	810 NEXT J	•
		820 PRINT	
		830 PRINT "YOU'LL HAVE"	· .
	TI-99/4A/Kids' Allowance Planner 20 DIM T\$(100).C(100)	840 PRINT "\$";S-M;" LEFT"	
• :: . :	20 DIM T\$(100), C(100)	850 PRINT	· · · ·
	40 CALL CLEAR	860 PRINT "DO YOU WANT TO BUY"	
	SO PRINT "PRESS <enter>"</enter>	870 PRINT "SOMETHING ELSE? (Y/N)"	
	60 PRINT "AFTER EACH REPLY."	880 INPUT R\$	
· · · · · · · · · · · ·	70 PRINT	890 IF R\$="Y" THEN 350	
	80 PRINT "WHAT IS YOUR NAME";	900 IF R\$<>"N" THEN 880	
• • •	90 INPUT NS	910 PRINT	
· · ·	100 CALL CLEAR	920 PRINT "YOU HAD \$";S	
	110 PRINT "ALL RIGHT ";N\$;","	930 PRINT "YOU SPENT \$";M	
	120 PRINT "LET'S TALK MONEY!"	940 PRINT "YOU'VE GOT \$";S-M	
	130 PRINT Sector Sector		
	140 PRINT "IN DOLLARS AND CENTS,"	Timex Sinclair 1000 w/16K RAM	Desele
	150 PRINT "HOW MUCH MONEY DO YOU"	1500 & 2068/Kids' Allowance P	
:	160 PRINT "HAVE IN YOUR SAVINGS?"		
	170 PRINT "FOR EXAMPLE, \$? 31.50"	10 FAST 20 DIM T\$(100,15)	
	180 PRINT "\$";	30 DIM C(100)	· · · · ·
	210 PRINT	40 CLS	
	220 PRINT "HOW MUCH ALLOWANCE"	50 PRINT "PRESS <enter>"</enter>	
· · · ·	230 PRINT "DO YOU GET EACH WEEK?"	60 PRINT "AFTER EACH REPLY."	
	240 PRINT "\$";	70 PRINT	
	250 INPUT A	80 PRINT "WHAT IS YOUR NAME?"	
· · · ·	270 PRINT	90 INPUT NS	
•• :	280 PRINT "HOW MUCH OTHER MONEY"	100 CLS	
· · · · ·	290 PRINT "DO YOU EARN EACH WEEK?"	110 PRINT "ALL RIGHT, ";N\$;","	
1	300 PRINT "\$";	120 PRINT "TIME TO TALK MONEY."	
	310 INPUT E 330 X=0 340 M=0	130 PRINT	
	330 X=0	140 PRINT "IN DOLLARS AND CENTS,"	
	330 X=0 340 M=0	150 PRINT "HOW NUCH MONEY DO YOU"	
	350 CALL CLEAR	160 PRINT "HAVE IN YOUR SAVINGS?"	
	360 PRINT "O.K., ";N\$;","	180 PRINT "\$";	
	370 PRINT "YOU HAVE \$";S-M	190 INPUT S	
	380 PRINT	200 PRINT S	
	390 PRINT "WHAT DO YOU WANT"	210 PRINT	
· ·	400 PRINT "TO BUY?"	220 PRINT "HOW MUCH ALLOWANCE"	
	410 INPUT B\$	230 PRINT "DO YOU GET EACH WEEK?"	
	430 PRINT	240 PRINT "\$";	
	440 PRINT "HOW MUCH DOES IT COST?"	250 INPUT A	
	450 PRINT "\$";	260 PRINT A	

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490 IF P+M<=S THEN 650 500 PRINT "SORRY, ";N\$ 510 PRINT "YOU DON'T HAVE ENOUGH" 520 PRINT "MONEY TO BUY THAT." 530 IF A+E<=O THEN 850	290 PRINT "DO YOU EARN EACH WEEK?" 300 PRINT "\$"; 310 INPUT E 320 PRINT E 330 LET X=0	
540 W=(P~(S-M))/(A+E) 550 IF W=INT(W)THEN 570	340 LET M=0 350 CLS	



in search of the first bud-	the First Blooms of	1050 DATA 27,16,28,30,16,30,32,16,33,3,15,3	
ding crocuses. If the near-	spring—in your computer!	1060 DATA 6,15,6,8,15,9,20,15,20,30,15,30,6,14,6	
		1070 DATA 21,14,21,31,14,31,6,13,8,20,13,23,32,13,3	2
· · · ·	<i>r</i>	1080 DATA 5,12,6,8,12,9,19,12,24,32,12,32,4,11,6	
		1090 DATA 9,11,9,19,11,19,21,11,21,24,11,24,31,11,3	3
Apple/First Bloom		1100 DATA 4,10,4,6,10,6,9,10,9,21,10,21,30,10,30	
10 HOME: GR: POKE -16302,1	· · ·	1110 DATA 32,10,34,3,9,3,7,9,7,21,9,21,32,9,32	
20 DIM F(100),T(100),F2(100)),T2(30)	1120 DATA 34,9,34,8,8,8,21,8,21,32,8,32,-1,-1,-1,1	
30 FOR $x = 1$ TO 14:READ F(X)		1130 DATA 5,7,10,4,6,11,3,5,12,3,4,13,3,3,13,4,2,12	
40 FOR $X = 1$ TO 14:READ F2()		1140 DATA 5,1,11,6,0,10,-1,-1,-1,0,7,4,7,-1,-1,-1,3	
50 COLOR= 12		1150 DATA 6,3,6,8,3,8,6,5,6,8,5,8	
60 FOR Y = 40 TO 47:HLIN 0,3	39 AT Y:NEXT Y	1160 DATA 18,7,23,17,6,25,16,5,26,16,4,25,17,3,24	
70 FOR $X = 6$ TO 34 STEP 14		1170 DATA 16,2,25,16,1,24,17,0,19,21,0,23,-1,-1,-1	
80 OFF = OFF + 1		1180 DATA 0,21,4,21,-1,-1,-1,1,20,3,20,22,3,22	
90 FOR Y = 41 TO 3 STEP - 1		1190 DATA 20,5,20,22,5,22,30,7,35,29,6,36	
100 PLOT X, Y + OFF		1200 DATA 29,5,37,30,4,37,29,3,36,29,2,37,31,1,36	
110 NEXT Y		1210 DATA 32,0,32,34,0,36,-1,-1,-1,0,33,4,33	
120 NEXT X		1220 DATA -1,-1,-1,3,32,3,32,34,3,34,32,5,32	
130 OFF = 0:C = 1		1230 DATA 34,5,34,-1,-1,-1,-1	
140 FOR $X = 0$ TO 28 STEP 14			
150 OFF = OFF + 1			
160 FOR Y = 27 TO 33			
170 HLIN F(C) + $X_{T}(C)$ + X		Commodore 64/First Bloom	
180 HLIN $F(C + 1) + X_T(C + 1)$		10 PRINT CHR\$(147)	•
190 HLIN $F2(C) + X_T2(C) + X$		20 POKE 53280,15	
200 HLIN $F2(C + 1) + X_T2(C$	+ 1) + X AT Y - 12 + OFF	30 POKE 53281,15	
210 c = c + 2		40 READ B,CH,KO	
220 NEXT Y		50 IF 8=-1 THEN 50	
230 C = 1		6D FOR Z=1 TO B	
240 NEXT X		70 READ X,Y	
250 FOR $X_{1} = 1$ TO 16:READ F(X	(),T(X),F2(X),T2(X):NEXT X	80 FOR P≃X TO Y	
260 FOR Y = 15 TO 0 STEP -1		90 POKE P,CH	•
270 OFF = 0		100 POKE P+54272,KO	
280 FOR X = 0 TO 26 STEP 13		110 NEXT P	
290 COLOR # 11:1F:X = 13 THEN	I COLOR= 13	120 NEXT Z	
1300 IF X = 26 THEN COLOR = 3		1 130 GOTO 40	

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310 HLIN F(Y + 1) + X,T(Y + 1) + X AT Y + OFF

320 HLIN F2(Y + 1) + X,T2(Y + 1) + X AT Y + OFF

330 NEXT X

340 OFF = OFF + 1

350 NEXT Y

360 FOR X = 1 TO 27 STEP 13

370 COLOR= 8:IF X = 14 THEN COLOR= 2

380 IF \chi = 27 THEN COLOR= 13
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96 FAMILY COMPUTING

1000 DATA 1,160,9,1864,2024,63,160,5,1963,1963,1910 1010 DATA 1910,1923,1923,1870,1870,1883,1883,1894,1894 1020 DATA 1830,1830,1843,1843,1854,1854,1789,1791,1802 1030 DATA 1805,1814,1814,1748,1752,1761,1763,1765,1766 1040 DATA 1773,1774,1707,1708,1710,1710,1712,1713,1720 1050 DATA 1721,1723,1723,1732,1736,1667,1668,1670,1670 1060 DATA 1673,1673,1683,1683,1691,1692,1694,1694,1696 1070 DATA 1697,1627,1627,1630,1630,1644,1644,1654,1654

1080 DATA 1590,1590,1605,1605,1615,1615,1550,1552,1564	TI-99/4A/First Bloom
1090 DATA 1567,1576,1576,1509,1510,1511,1513,1523,1528	10 CALL CLEAR
1100 DATA 1536,1536,1468,1470,1473,1473,1483,1483,1485	20 CALL SCREEN(5)
1110 DATA 1485,1488,1488,1495,1497,1428,1428,1430,1430	30 F\$="FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
1120 DATA 1433,1433,1445,1445,1454,1454,1456,1458,1387	40 FOR X=1 TO 5
1130 DATA 1387,1391,1391,1405,1405,1416,1416,1418,1418	50 READ C
1140 DATA 1352,1352,1365,1365,1376,1376,8,160,7,1310	60 CALL CHAR(C,F\$)
1150 DATA 1314,1268,1275,1227,1236,1187,1197,1147,1157	70 NEXT X
1160 DATA 1108,1116,1069,1075,1030,1034,1,81,1,1192	80 FOR X=1 TO 7
1170 DATA 1192,4,42,8,1151,1151,1153,1153,1231,1231	90 READ CS, F, B
1180 DATA 1233,1233,9,160,4,1322,1327,1281,1289,1240	100 CALL COLOR(CS,F,B)
1190 DATA 1250,1200,1209,1161,1168,1120,1129,1080,1088	110 NEXT X
1200 DATA 1041,1043,1045,1047,1,81,1,1205,1205,4,42,14	120 FOR R0=21 TO 24
1210 DATA 1165,1165,1204,1204,1245,1245,1206,1206,9	130 CALL HCHAR(R0,1,96,31)
1220 DATA 160,10,1334,1339,1293,1300,1253,1261,1214	140 NEXT RO
1230 DATA 1221,1173,1180,1134,1141,1095,1100,1056,1056	150 READ RO, CO
1240 DATA 1058,1059,1,81,1,1217,1217,4,42,2,1176,1176	160 IF R0=-1 THEN 190
1250 DATA 1178,1178,1256,1256,1258,1258,-1,-1,-1	170 CALL HCHAR(RO,CO,104)
	180 GOTO 150
	190 READ RO,CO,CH,REP
IBM PC/First Bloom	200 IF CH=-1 THEN 200
10 SCREEN 1	210 CALL HCHAR(RO,CO,CH,REP)
20 KEY OFF	220 GOTO 190
30 CLS	1000 DATA 96,104,112,120,128,2,16,4,3,2,8,9,11,11,10,3
40 COLOR 7,0	1010 DATA 3,11,7,7,12,12,12,13,14,14,23,14,22,4,22,14
50 FOR I=1 TO 4	1020 DATA 22,26,21,4,21,14,21,26,20,4,20,14,20,26,19,4
60 READ X1,Y1,X2,Y2,Z	1030 DATA 19,13,19,14,19,15,19,16,19,26,18,3,18,4,18,5
70 LINE (X1+FL*100,Y1+FL*10)-(X2+FL*100,Y2+FL*10),Z,BF	1040 DATA 18,6,18,12,18,13,18,14,18,16,18,17,18,25,18
80 NEXT I	1050 DATA 26,17,2,17,3,17,4,17,5,17,6,17,11,17,12,17
90 FL≃F£+1	1060 DATA 14,17,24,17,25,17,26,17,27,17,28,16,2,16,4
100 IF FL>2 THEN 130	1070 DATA 16,6,16,15,16,23,16,24,16,26,16,28,16,29
110 RESTORE 1000	1080 DATA 15,2,15,4,15,16,15,26,14,4,14,5,14,6,14,17

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120 GOTO 50
130 FL=0
140 FOR X=1 TO 2
150 READ X1, Y1, X2, Y2
160 FOR I=1 TO 5
170 LINE (X1+FL*100,Y1+FL*10-I)~(X2+FL*100,Y2+FL*10-I)
180 NEXT I
190 FL≏FL+1
200 IF FL<3 THEN 160
210 FL=0
220 NEXT X
230 T1=5
240 T2=10
250 FOR X=RND*5 TO RND*20+50 STEP 4
260 FOR Y=RND*5 TO RND*20+15 STEP 4
270 X1=T1+X
280 Y1=T2+Y
290 S=INT(RND+4)+1
300 LINE(X1,Y1) - (X1+S,Y1+S), BF
310 NEXT Y
320 NEXT X
330 T1=T1+100
340 T2=T2+10
350 IF T1<241 THEN 250
360 R=3
370 c=3
380 LOCATE R.C.
390 PRINT CHR$(1)
400 LOCATE R+2,C
410 PRINT CHR$(1)
420 LOCATE R+2%C+2
430 PRINT CHR$(1)
440 LOCATE R,C+2
450 PRINT CHR$(1)
460 R=R+1
470 C=C+13
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1090 DATA 14,27,13,3,13,4,13,6,13,7,13,16,13,17,13,18 1100 DATA 13,19,13,28,13,29,12,2,12,3,12,4,12,7,12,15 1110 DATA 12,16,12,17,12,18,12,19,12,27,12,28,12,29,12 1120 DATA 30,11,2,11,4,11,7,11,15,11,17,11,19,11,26,11 1130 DATA 28,11,30,10,5,10,17,10,28,9,6,-1,-1 1140 DATA 9,15,120,4,9,26,128,4,8,4,112,5,8,14,120,7,8 1150 DATA 25,128,6,7,3,112,7,7,13,120,9,7,25,128,7,6,2 1160 DATA 112,9,6,5,42,1,6,7,42,1,6,13,120,9,6,16,42,1 1170 DATA 6,18,42,1,6,24,128,8,6,27,42,1,6,29,42,1,5,2 1180 DATA 112,9,5,6,48,1,5,14,120,7,5,17,48,1,5,24,128 1190 DATA 8,5,28,48,1,4,2,112,9,4,5,42,1,4,7,42,1,4,13 1200 DATA 120,9,4,16,42,1,4,18,42,1,4,24,128,8,4,27,42 1210 DATA 1,4,29,42,1,3,3,112,7,3,14,120,8,3,25,128,7 1220 DATA 2,4,112,5,2,15,120,6,2,25,128,6,1,5,112,3,1 1230 DATA 16,120,4,1,26,128,4,-1,-1,-1,-1

Timex Sinclair 1000 w/16K RAM Pack & Timex Sinclair 1500/*First Bloom*

10 FAST

20 DIM D\$(22,32)

```
30 LET D$(1)="...PIIIIID...PIII.IID..PI.IIID"

40 LET D$(2)="..PI...ID..I.I.II.II.I.I.I.I"

50 LET D$(3)=".I.B.B.I.I.P.P.I.I.D.DI"

60 LET D$(4)=".I.B.B.I.I.P.P.I.I.D.D.I"

70 LET D$(5)=".I.B.B.I.I.P.P.I.I.D.D.I"

80 LET D$(6)="..BII.II.BI.II.P.P.I.I.D.D.I"

90 LET D$(6)="..BII.II.BI.II.I.BI.II.I.A"

90 LET D$(6)="..BIIIIIA..BIIIIIA..BIIIIIA."

100 LET D$(8)="..E.E.N.N.N."

110 LET D$(9)="..EPGA...PJ.N.E."

120 LET D$(10)="..CCM.N.LDN.E.N.NCA."

130 LET D$(11)="..CMCC...CCGCA..CCM."

140 LET D$(12)="..N.N.E.PGA...N."
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170 LET D\$(15)="...NE.N.E.....N......N.GC." 180 LET D\$(16)="...CENGA...CCM.N...CMNCA..." 190 LET D\$(17)="....N...BMN.PL...BM..." 200 LET D\$(18)="....N...BMCC....N." 210 LET D\$(19)="....N...N." 220 LET D\$(20)=D\$(19) 230 LET D\$(21)=D\$(20) 240 LET D\$(22)="....N..."

470 C-C+T5 480 IF R<6 THEN 380 490 LOCATE 1,15 500 PRINT "SPRINGING UP" 510 GOTO 510 1000 DATA 0,160,320,200,1,24,128,40,160,3 1010 DATA 28,100,36,128,1,32,10,35,128,1 1020 DATA 35,80,50,30,32,70,10,12

PUZZLE

GHOSTS IN THE NIGHT

PUZZLE BY STEPHEN SHORB **PROGRAM BY PETER COCKCROFT**

You've had a hard time sleeping ever since you moved into the old Calthrop Manor on the north side of town. It's strange, but when the clock strikes midnight, you get the uneasy feeling that the manor comes to life with people of a bygone era. Even more peculiar is that many of the events you've witnessed during your insomniac wanderings through the manor seem to match those narrated in an old diary you recently found on the grounds. Old timers in town have told you that the Calthrops were prominent members of Sodaville, U.S.A., society a century ago, and that they had two beautiful daughters who were courted by many suitors. The diary you've found belongs to one of their daughters, named Vanessa. It mentions a mysterious suitor referred to only as "S." Curious about their love affair, you get up one night and go into the ballroom, where the diary begins, in an effort to follow the ghost of Vanessa. When you run Mystery Manor, the computer will tell you the actions, dates, and names of the ghosts in

each room. To move from room to room, type in the room number (digits only) as it appears on the accompanying floor plan. You can move from one room to another only if they're connected by a doorway.

To retrace Vanessa's steps, use the diary as a key. Find the room that exactly matches each day's entry. No two entries refer to the same room. Each time you enter a room counts as a move. After 10 moves, the computer will inform you whether or not you have accurately retraced Vanessa's steps. To begin again, type the number "0," press the RETURN or ENTER key, and you will find yourself back in the ballroom. The last page in the diary has been ripped out. It is up to you to figure out Vanessa Calthrop's whereabouts on that day, and in so doing, discover the true identity of "S" and whether Vanessa followed him to a happy or a tragic ending.

in a battlefield. Septimus, a third suitor, is a big game hunter with a scholarly streak, who brought me a book of poetry to add to our library, which he admires so much.

Dearest sister, Amanda, whispered that she'd gladly dismiss all her suitors for just one of mine. Fortunately. Aunt Emily, who always acts as chaperone when gentlemen come to call on me, was sick in bed and could not overhear that remark! Who will be the first to call on me? February 2, 1884—Tea with my first gentleman caller, Sebastian. Father invited him to the smoking room, then to see the gun room (two exclusively male domains in the manor). but Sebastian declined in order to be with me. We sat on an uncomfortably stiff, velvet settee. Sebastian is as bright and impressive as the medals on his uniform. Even Aunt Emily was sorry to see him depart, but not as sorry as I.

mood, but I found it rather exciting.

August 2, 1884 — Breakfast began with Aunt Emily's account to my mother of every word my suitors said. Thank heavens Amanda was not there to become jealous-Amanda refuses to be in the same room as Aunt Emily, since they always quarrel. Little does Mother know I have already chosen the one suftor to whom I would give my heart and soul. (For caution's sake, I refer to him only as S hereafter.) My heart leapt when in the morning mail I discovered an invitation to me from S for a secret nighttime meeting. Oh, joy!

STEPHEN SHORB is not the mysterious suitor named 'S,' but he wishes he were a Victorian squire, and has crowded his manor (a onebedroom apartment in San Francisco) With Victorian artifacts including a statue of Disraeli. He graduated Phi Beta Kappa from the University of California at Berkeley with a degree in Victorian Literature.

January 2, 1884-Today was my debut into society. One of my suitors, Sidney, is a rancher and is quite romantic in spite of his years. He said, "I would only court a young woman in the lap of nature under the magnolias, at the first blooming of spring." (My!) I countered that an old family tradition mandates that all Calthrop women must receive their very first suitor in the most formal room of the mansion. Mother interjected that our family doesn't follow the standard etiquette in one respect: After all, we have breakfast in the parlor! Sebastian, another suitor, is a visiting English cavalry officer, who said he would rather meet his destiny in a rose garden than

March 21, 1884 — Today a new season arrived, and with it a new suitor: Sidney. Aunt Emily nearly choked when he compared the magnolia blossoms around us to the "soft pink" of my cheeks. I fear my pink would fade if he were not to call again.

April 12, 1884-Spent the day with my third suitor, Septimus, in his favorite spot at the manor. At first he was quite distracted, his nose buried in his surroundings. He did compliment my brown eyes, explaining he dislikes blue "ever since the Union bluecoats burned my house during the Civil War." Aunt Emily was taken aback by his sudden change of

September 30, 1884_ Oh, misery! My reply to S was read by my sister before I sent it off! When I refused to tell her who S was. she flung my hairbrush at me and nearly broke my mirror. She cried, "I must know . . . for I love him as much as you!" When I asked her to which S she referred, she, too, was silent.

October 12, 1884----My meeting with S was aborted! I arrived at our appointed place only to discover Amanda there instead! She explained that she came to discover S's identity, but her plan obviously backfired, because her presence frightened him away. Our discussion added more heat to the already hot environment.

PETER COCKCROFT attends Stuyvesant High School in New York City and is president of his own mailorder software business. He is the author of last month's Reader-Written program.

November 23, 1884— From the holiday buffet table, Septimus, Sebastian, Sidney, and the family (save for Aunt Emily who was abed with dropsy) watched the last radiance of the setting sun dip below the snow drifts. S's at-

al p

100 FAMILY COMPUTING

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titude towards me was very | pondered over whether I

ished. Mother has col-

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| midnight. The magnolia branches are scraping against the window as a new sleet storm wages outside. I have just found an envelope addressed to me from S. My hand shakes as I prepare to open it. But no matter what it says, I will follow him.

MARCH 1984 101

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cold. Is he bitter over what happened in October? He must know I did not wish Amanda to interrupt our tryst. To make matters worse. I noticed Amanda was in unusually buoyant spirits. After S retired to his bedroom next door. I

had lost him forever.

November 24, 1884-----The three S's spent the day packing, and vacated their bed chambers by evening. Not long after, a servant noticed that Amanda and her belongings had van-

lapsed in a faint. Amanda has clearly run off with one of my three beaus. If it should be my S I think I shall suffer worse than a fainting spell. I now find myself writing this in S's empty room. The clock on the mantel will soon strike

PUZZLE

3000 DATA 1,1234678,2,2,18,1,11,185,1,3	340 IF FLAG<>0 THEN G\$="SORRY! ":NO\$="NOT "
3010 DATA 165,1,2,185,1,3,16,1,4,175,3	350 IF FLAG=0 THEN G\$="CONGRATULATIONS! ":NO\$=""
3020 DATA 3,156,1,4,185,1,6,14,4,5,152	360 PRINT:N\$=G\$+"YOU HAVE "+NO\$+"FOLLOWED VANESSA'S ST
3030 DATA 5,4,157,1,5,154,5,5,152,5,6	EPS.":GOSUB 2000
3040 DATA 154,4,7,147,6,6,14,4,7,13,7	370 IF NOS="" THEN END
3050 DATA 8,1234678,8,7,14,6,8,1234678	380 FOR DELAY=1 TO 3000:NEXT DELAY:GOTO 130
3060 DATA 9,10,16,10,9,1,11,10,48,12,9	2000 IF LEN(N\$)<40 THEN PRINT N\$:RETURN
3070 DATA 1,13,8,1234678,14,9,1,15,10,5,17,9,9,18	2010 FOR I=1 TO 40:IF ASC(MID\$(N\$,I,1))=32 THEN J=I-1
4000 DATA 0203040506,0104,0106,01020507,01040608 4010 DATA 01030509,040811222324,05070912,060813	2020 NEXT I:PRINT LEFT\$(N\$,J):N\$=RIGHT\$(N\$,LEN(N\$)-J-1
4020 DATA 161114,071012,08111314,091215):GOTO 2000
4030 DATA 10121517,131418,191710,14161820	3000 DATA 1,1234678,2,2,18,1,11,185,1,3
4040 DATA 151721,2516,25172126,18202729	3010 DATA 165,1,2,185,1,3,16,1,4,175,3
4050 DATA 232407,22242607,23252207,24192026,23252027	3020 DATA 3,156,1,4,185,1,6,14,4,5,152
4060 DATA 262128,27,21	3030 DATA 5,4,157,1,5,154,5,5,152,5,6 3040 DATA 154,4,7,147,6,6,14,4,7,13,7
5000 DATA January 2,11, February 2,35, March 21,74	3050 DATA 8,1234678,8,7,14,6,8,1234678
5010 DATA April 12,154, August 2,206, September 30,299	3060 DATA 9,10,16,10,9,1,11,10,48,12,9
5020 DATA October 12,410, November 23,686, November 24,5	3070 DATA 1,13,8,1234678,14,9,1,15,10,5,17,9,9,18
39	4000 DATA 0203040506,0104,0106,01020507,01040608
5030 DATA November 25,494,February 12,794	4010 DATA 01030509,040811222324,05070912,060813
6000 DATA Vanessa, Mother, Father, Amanda, Aunt Emily, Sidn	4020 DATA 161114,071012,08111314,091215
ey,Septimus,Sebastian,Nobody	4030 DATA 10121517,131418,191710,14161820
7000 DATA Courtship,Debut party,Ice skating,Jealous Qu	4040 DATA 151721,2516,25172126,18202729
arrel	4050 DATA 232407,22242607,23252207,24192026,23252027
7010 DATA Reads invitation,Secret meeting,Frozen pie f	4060 DATA 262128,27,21
ight 2020 bath Unionshare Brown (see the second	5000 DATA JANUARY 2,11, FEBRUARY 2,35, MARCH 21,74
7020 DATA Hula-hoop contest,Brunch party,Lovers united	5010 DATA APRIL 12,154,AUGUST 2,206,SEPTEMBER 30,299
7030 DATA Finds note: "If you have no much as at the	5020 DATA OCTOBER 12,410,NOVEMBER 23,686,NOVEMBER 24,5
7030 DATA Finds note: "If you love me meet me right ou tside."	$\frac{39}{5070}$
7040 DATA Eloping on horse,Finds two moving tickets,Tu	5030 DATA NOVEMBER 25,494,FEBRUARY 12,794
rkey feast	6000 DATA VANESSA, MOTHER, FATHER, AMANDA, AUNT EMILY, SIDN
7050 DATA Finds two plane tickets, Construction, Snoring	EY,SEPTIMUS,SEBASTION 6010 DATA NOBODY
,Nothing	7000 DATA COURTSHIP, DEBUT PARTY, ICE SKATING, JEALOUS QU
	ARREL
Commodore 64/Mystery Manor	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT
Commodore 64/Mystery Manor 10 NTM ROOMS(29, 2) AD (\$(29) DTE\$(11) $CU(12)$ REOR(E\$(9))	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9)	7010 DATA READS INVITATION,SECRET MEETING,FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST,BRUNCH PARTY,LOVERS UNITED !
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12)	7010 DATA READS INVITATION,SECRET MEETING,FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST,BRUNCH PARTY,LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2)	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE."
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147)	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING , NOTHING
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING , NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING , NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9)
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1))	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING , NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) , ACT\$(18), G(12)
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18), G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Mamor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO OM\$(R,2))):GOSUB 2000	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I),GU(I):: NEXT I
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,O),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,O)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1)):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO OM\$(R,2))):GOSUB 2000 200 IF C=10 THEN 300	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I),GU(I):: NEXT I 110 FOR I=1 TO 9 :: READ PEOPLE\$(I):: NEXT I
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1)):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO OM\$(R,2))):GOSUB 2000 200 IF C=10 THEN 300 210 N\$="WHICH LOCATION COMES NEXT (0 RESTARTS)":GOSUB	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 19 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I), GU(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 120 FOR I=1 IO 18 :: READ ACT\$(I):: NEXT I 130 G(1)=1 :: R=1 :: C=1 :: FLAG=0 140 CALL CLEAR
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO 0M\$(R,2))):GOSUB 2000 200 IF C=10 THEN 300 210 N\$="WHICH LOCATION COMES NEXT (0 RESTARTS)":GOSUB 2000:INPUT NR	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I), GU(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 120 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 130 G(1)=1 :: R=1 :: C=1 :: FLAG=0 140 CALL CLEAR 150 N\$="You're in Location #"&STR\$(R):: GOSUB 2000 ::
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 9:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO OM\$(R,2))):GOSUB 2000 200 IF C=10 THEN 300 210 N\$="WHICH LOCATION COMES NEXT (O RESTARTS)":GOSUB 2000:INPUT NR 220 IF NR=0 THEN 130 230 IF NR=R OR NR>29 THEN 140 240 FOR I=1 TO C:IF NR=G(I) THEN PRINT "YOU'VE BEEN TH	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18), G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I), GU(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 100 G(1)=1 :: R=1 :: C=1 :: FLAG=0 140 CALL CLEAR 150 N\$="You're in Location #"&STR\$(R):: GOSUB 2000 :: N\$="Date: "&DTE\$(VAL(ROOM\$(R,0)))&", 1884" :: GOSUB 20
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 11:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO OM\$(R,2))):GOSUB 2000 200 IF C=10 THEN 300 210 N\$="WHICH LOCATION COMES NEXT (O RESTARTS)":GOSUB 2000:INPUT NR 220 IF NR=0 THEN 130 230 IF NR=R OR NR>29 THEN 140 240 FOR I=1 TO C:IF NR=G(I) THEN PRINT "YOU'VE BEEN TH ERE!":GOTO >210	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING ,NOTHING TI-99/4A w/TI Extended BASIC/Mystery Mamor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I),GU(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 100 G(1)=1 :: R=1 :: C=1 :: FLAG=0 140 CALL CLEAR 150 N\$="You're in Location #"&STR\$(R):: GOSUB 2000 :: N\$="Date: "&DTE\$(VAL(ROOM\$(R,0)))&", 1884" :: GOSUB 20 00
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 29:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO OM\$(R,2)):GOSUB 2000 200 IF C=10 THEN 300 210 N\$="WHICH LOCATION COMES NEXT (O RESTARTS)":GOSUB 2000:INPUT NR 220 IF NR=0 THEN 130 230 IF NR=R OR NR>29 THEN 140 240 FOR I=1 TO C:IF NR=G(I) THEN PRINT "YOU'VE BEEN TH ERE!":GOTO -210 250 NEXT I:LE=0	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING NOTHING TI-99/4A w/TI Extended BASIC/Mystery Mamor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ACT\$(18),G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I),GU(I):: NEXT I 100 FOR I=1 TO 13 :: READ ACT\$(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 100 G(1)=1 :: R=1 :: C=1 :: FLAG=0 140 CALL CLEAR 150 N\$="You're in Location #"&STR\$(R):: GOSUB 2000 :: N\$="Date: "&DTE\$(VAL(ROOM\$(R,0)))&", 1884" :: GOSUB 20 00 170 PRINT "Ghosts present:" :: FOR I=1 TO LEN(ROOM\$(R,
10 DIM ROOM\$(29,2),ADJ\$(29),DTE\$(11),GU(12),PEOPLE\$(9) ,ACT\$(18),G(12) 80 FOR I=1 TO 29:READ ROOM\$(I,0),ROOM\$(I,1),ROOM\$(I,2) :NEXT I 90 FOR I=1 TO 29:READ ADJ\$(I):NEXT I 100 FOR I=1 TO 11:READ DTE\$(I),GU(I):NEXT I 110 FOR I=1 TO 11:READ PEOPLE\$(I):NEXT I 120 FOR I=1 TO 18:READ ACT\$(I):NEXT I 130 G(1)=1:R=1:C=1:FLAG=0 140 PRINT CHR\$(147) 150 N\$="YOU'RE IN LOCATION #"+STR\$(R):GOSUB 2000 160 N\$="DATE: "+DTE\$(VAL(ROOM\$(R,0)))+", 1884":GOSUB 2 000 170 PRINT "GHOSTS PRESENT:":FOR I=1 TO LEN(ROOM\$(R,1)) 180 PRINT I;"- ";PEOPLE\$(VAL(MID\$(ROOM\$(R,1),I,1))):NE XT I 190 PRINT "ACTION TAKING PLACE:":N\$ = " "+ACT\$(VAL(RO OM\$(R,2))):GOSUB 2000 200 IF C=10 THEN 300 210 N\$="WHICH LOCATION COMES NEXT (O RESTARTS)":GOSUB 2000:INPUT NR 220 IF NR=0 THEN 130 230 IF NR=R OR NR>29 THEN 140 240 FOR I=1 TO C:IF NR=G(I) THEN PRINT "YOU'VE BEEN TH ERE!":GOTO 210	7010 DATA READS INVITATION, SECRET MEETING, FROZEN PIE F IGHT 7020 DATA HULA-HOOP CONTEST, BRUNCH PARTY, LOVERS UNITED ! 7030 DATA FINDS NOTE - "IF YOU LOVE ME MEET ME RIGH T OUTSIDE." 7040 DATA ELOPING ON HORSE, FINDS TWO MOVIE TICKETS, TUR KEY FEAST 7050 DATA FINDS TWO PLANE TICKETS, CONSTRUCTION, SNORING NOTHING TI-99/4A w/TI Extended BASIC/Mystery Manor 10 DIM ROOM\$(29,2), ADJ\$(29), DTE\$(11), GU(12), PEOPLE\$(9) ,ACT\$(18), G(12) 80 FOR I=1 TO 29 :: READ ROOM\$(I,0), ROOM\$(I,1), ROOM\$(I ,2):: NEXT I 90 FOR I=1 TO 29 :: READ ADJ\$(I):: NEXT I 100 FOR I=1 TO 11 :: READ DTE\$(I), GU(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 100 FOR I=1 TO 18 :: READ ACT\$(I):: NEXT I 100 G(1)=1 :: R=1 :: C=1 :: FLAG=0 140 CALL CLEAR 150 N\$="You're in Location #"&STR\$(R):: GOSUB 2000 :: N\$="Date: "&DTE\$(VAL(ROOM\$(R,0)))&", 1884" :: GOSUB 20 00

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270 NEXT I
                                                               190 PRINT "Action taking place:" :: N$=" "&ACT$(VAL(R
                                                              00M$(R,2))):: GOSUB 2000
     280 IF LE=0 THEN N$="YOU CAN'T GET THERE FROM HERE!":G
                                                              200 IF C=10 THEN 300
     OSUB 2000:GOTO 210
                                                              210 N$="Which Location comes next (0 restarts)" :: GOS
     290 C=C+1:G(C)=NR:R=NR:GOTO 140
                                                              UB 2000 :: INPUT NR
     300 NS="YOU'VE MADE TEN MOVES. PRESS ANY KEY TO CONTIN
                                                              220 IF NR=0 THEN 130
     UE.":GOSUB 2000
                                                              230 IF NR=R OR NR>29 THEN 140
     310 GET K$:IF K$="" THEN 310
                                                              240 FOR I=1 TO C :: IF NR=G(I)THEN N$="You've already
     320 PRINT CHR$(147):PRINT "YOUR SEQUENCE WAS:":PRINT
                                                              been there!" :: GOSUB 2000 :: GOTO 210
   330 FOR I=1 TO 10:PRINT G(I);:FLAG=FLAG+(G(I)<>INT(SQR)
    (GU(I)-10)):NEXT I:PRINT
.
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PUZZLE 250 NEXT I :: LE=0 4050 DATA 232407,22242607,23252207,24192026,23252027 260 FOR I=1 TO (LEN(ADJ\$(R)))/2 :: IF NR=VAL(SEG\$(ADJ\$ 4060 DATA 262128,27,21 (R), I*2-1,2)) THEN LE=1 5000 DATA January 2,11, February 2,35, March 21,74 270 NEXT I 5010 DATA April 12,154, August 2,206, September 30,299 280 IF LE=0 THEN N\$="You can't get there from here!" : 5020 DATA October 12,410, November 23,686, November 24,5 : GOSUB 2000 :: GOTO 210 39 290 C=C+1 :: G(C)=NR :: R=NR :: GOTO 140 5030 DATA November 25,494, February 12,794 300 NS="You've made ten moves. Press any key to contin 6000 DATA Vanessa, Mother, Father, Amanda, Aunt Emily, Sidn ue." :: GOSUB 2000 ey,Septimus,Sebastian,Nobo 310 CALL KEY(0,K,S):: IF S=0 THEN 310 dy 320 CALL CLEAR :: PRINT "Your sequence was:" :: PRINT 7000 DATA Courtship, Debut party, Ice skating, Jealous qu 330 FOR I=1 TO 10 :: PRINT G(I);:: FLAG=FLAG+(G(I) >> IN arret T(SQR(GU(1)-10)):: NEXT 1 7010 DATA Reads invitation, Secret meeting, Frozen pie f :: PRINT ight 340 IF FLAG<>0 THEN GS="Sorry! " :: NOS="not " 7020 DATA Hula-hoop contest, Brunch party, Lovers united 350 IF FLAG=0 THEN GS="Congratulations! " :: NOS="" 360 PRINT :: NS=G\$8"You have "&NO\$8"followed vanessa's 7030 DATA Finds note -"If you love me -- meet me right steps." :: GOSUB 2000 outside." 370 IF NOS="" THEN END 7040 DATA Eloping on horse, Finds two movie tickets, Tur 380 FOR DELAY=1 TO 3000 :: NEXT DELAY :: GOTO 130 key feast 2000 IF LEN(N\$)<28 THEN PRINT N\$:: RETURN 7050 DATA Finds two plane tickets, Construction, Snoring 2010 FOR 1=1 TO 28 :: IF ASC(SEG\$(N\$,1,1))=32 THEN J=1 ,Nothing -1 2020 NEXT I :: PRINT SEGS(NS,1,J):: NS=SEGS(NS,J+1,LEN (N\$)):: GOTO 2000 3000 DATA 1,1234678,2,2,18,1,11,185,1,3 3010 DATA 165,1,2,185,1,3,16,1,4,175,3 Timex Sinclair 2068/Mystery Manor 3020 DATA 3,156,1,4,185,1,6,14,4,5,152 3030 DATA 5,4,157,1,5,154,5,5,152,5,6 10 DIM R\$(29,11) 3040 DATA 154,4,7,147,6,6,14,4,7,13,7 20 DIM J\$(29,10) 3050 DATA 8,1234678,8,7,14,6,8,1234678 30 DIM D\$(11,17)



GAMES										
Title Manufacturer Price	Brief description	Hardware/ Equipment reguired	Backup policy	Ratings 0 D EH GQ EU V						
BUZZARD BAIT Sirius Software, Inc. 10364 Rockingham Dr. Sacramento, CA 95827 (916) 366-1195 \$34.95 ©1983	Protect humanoids from hungry giant buzzards and their ravenous chicks in easy-to-play shoot-'em-up good for ages 6 + . —DELSON	Apple II/II plus/IIe, 48K (disk). Also available for IBM PC, 64K (disk). IBM PC requires color card.	Defective disks replaced free w/in 30 days, \$5 fee thereafter.	*	*	*	* * *	E	*	
CASTLE WOLFENSTEIN Muse Software 347 N. Charles St. Baltimore, MD 21201 (301) 659-7212 \$29.95 ©1983	Secure secret Nazi war plans and escape from prison using arcade skills to shoot pursuing guards, and strategy smarts to outwit them, in game suitable for ages 10+.+ —DELSON	Apple II/II plus/IIe, 48K. Also available for Atari 400/800/1200XL, 32K (disk); Commodore 64 (disk).	Defective disks replaced free; backup copy available for \$10.	* * *	* * *	* *	*	A	* *	
CONQUEROR Computer Software Assoc. The Silk Mill, 44 Oak St. Newton Upper Falls, MA 02164 (617) 527-7510 (524.95 ©1983)	Vie with up to 14 opponents for land, resources, warriors, and, ultimately, imperial control over medieval Europe and Asia Minor in flexible, exciting war game good for ages 12+.+ —DELSON	Commodore VIC-20, 16K (cassette).	Defective cassettes replaced free w/in 90 days; backup copy available for \$5.	* *	* * *	*	n/à	Α	* * *	
FORTRESS Strategic Simulations, Inc. 883 Stierlin Rd. Bldg. A-200 Mountain View, CA 94043 (415) 964-1353 834.95 ©1983	Place castles on a 6×6 square board. Attempt to monopolize the field in competition with pre-programmed opponents that "learn" as play proceeds in Othello-like game good for ages 8 + . +	Apple II/II plus/IIe/III w/emulator, 48K (disk). Also available for Atari 400/800/1200XL, 48K (disk).	Full refund w/in 14 days; defective disks replaced free w/in 30 days, \$10 fee thereafter.	* *	* * *	*	*	A	* *	
MAJOR LEAGUE HOCKEY Thorn EMI 1370 Ave. of the Americas New York. NY 10019 (212) 977-8990 \$39.95 ©1983	Skate against human opponents or take on one of the computer's three skill levels in nonstop action game, good for ages 10+. Some may find the puck too hard to follow. —DELSON	Atari 400/800/1200XL, 16K (cartridge); joystick required.	Defective cartridges replaced through dealer.							
MOTOR MANIA United Microware Industries, Inc. P.O. Box 1649 Orange, CA 92666 (714) 639-9396 \$35 ©1982	Steer high-performance racing car around hazards, altering speed to suit road conditions and refueling at gas stations, while scoring points for everything you do properly. Ten skill levels make this ideal for ages 7+. —DELSON	Commodore 64 (cassette); joystick required.	Defective material replaced free w/in 90 days; backup copy available for \$5.	* *	*	*	* *	A	* *	
PIRATE'S ADVENTURE Texas Instruments P.O. Box 53 Lubbock, TX 79408 (800) 842-2737 \$24.95 ©1981	Voyage among pirates and cutthroats, collect booty and transport it safely to your apartment in this text adventure game, the first of a lengthy series. —DELSON	TI-99/4A, 16K (disk or cassette).	Defective material replaced free w/in 90 days, nominal fee thereafter or if user-damaged.	*	*	*	n/a	D	*	
QUIZAGON Counterpoint Software 4005 W. 65th St. Suite 218 Minneapolis, MN 55435 800) 328-1223 339.95 ©1983	Answer trivia questions in computerized version of the board game Trivial Pursuit that lacks exciting play action or strategy elements and contains odd mix of easy and difficult questions. —DELSON	Apple II/II plus/IIe, 48K (disk); also available for Commodore 64 (disk); IBM PC, 64K (disk).	Defective disks replaced free w/ in 30 days, \$5 fee thereafter.	*	*	* *	*	E	*	
STAR WARRIOR Epyx 1043 Kiel Čt. Sunnyvale, CA 94089 (408) 745-0900 840 ©1980	As an intergalactic soldier, you fend off alien aggressors in this role-playing adventure game. suitable for ages 8+. especially enjoyable for 12+.+DELSON	IBM PC, 64K (disk); also available for Apple II/II plus/IIe, 48K (disk); Atari 400/800/1200XL, 32K (disk or cassette); TRS- 80 Models I/III, 16K (cassette), 32K (disk).	Defective material replaced free w/in 30 days, \$10 fee thereafter.	* *	* * *	*	*	A	*	
WAR OF THE SAMURAI Krell Software Corp, 1320 Stony Brook Rd. Stony Brook, NY 11790 (516) 751-5139 \$39.95 ©1983	You and up to three other players place pieces on square grid board, capturing enemies while trying to secure your own territory. Difficult variation on the ancient strategy game Go. —DELSON	Apple II/II plus/Ile, 48K (disk).	Defective disks replaced free; \$10 fee if user- damaged.				n/a	D		

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*** Excellent: n/a Not applicable: E Easy; A Average; D Difficult; † Longer review follows chart

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