

The Cyc

International 99/4 Users-Group

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1. Introduction

1.1. Letter Announces Formation of Users-Group

August 12, 1980
Oklahoma City, Oklahoma

Dear Home Computer Owner:

This is to inform you, of the formation of the first nation-wide 99/4 Home Computer Users-Group. Our main purpose is to promote the exchange of programs; either written in or translated to TI Basic. We also plan to offer other products and services, such as technical and programming assistance. All of our products and services will be offered to you at the lowest possible cost.

As a Users-Group we are not affiliated with Texas Instruments Inc, and act as a separate entity in our products and service offerings.

There are no dues or other fees to pay. Simply fill out the enclosed card and return it to us. We will then, by return mail send you a list of what programs and services we are offering for that month.

We currently have a collection of some unique programs, written in TI Basic for immediate delivery. These programs include Games, Musical scores, Graphics, Finances, and other interesting subjects. Most of these programs are simple and easy to understand, and will help in understanding many programming techniques; as well as adding many hours of enjoyment to the use of your 99/4 Home Computer.

For more information you need only to return the reply card. Please be sure to state whether you use a disk drive or tape recorder, and what your programming interests are.

Sincerely,

Charles La Fara, President, 99/4 Users-Group

1.2. New Logo Typifies Scope of Organization

The International 99/4 Users-Group Newsletter (1:7:1; October 23, 1981) announced: "With the continuing growth of local users-groups around the World, we decided that our organizations needed to give you an easy means of identifying correspondence, products and services provided by us. After several design configurations were reviewed, we selected the new logo which you see at the top of this newsletter. We feel that this best typifies the over-all scope our organization.

"As you can see from our name change to the International 99/4 Users-Group, we wish to project the image that we are a Users-Group for all 99/4 owners, both domestic and foreign..."

TEXAS INSTRUMENTS
HOME COMPUTER

1.3. Announcement of annual membership dues

April 19, 1982

Dear Users-Group Member,

For the past 19 months we here at the International 99/44 Users-Group have been providing what we hope has been a valuable service to thousands of 99/4 owners worldwide. All of you have received our Newsletters, Software Catalogs, and Discounted Price lists and thousands of you have supported us with your purchases of our products and services. For that we are eternally grateful.

As the International 99/4 Users-Group continues to grow our overhead costs continue to increase at a disproportionate rate. Additional staffing, equipment, postal and U.P.S. increases, as well as material and printing costs have cut heavily into our operational services budget. Funding for our services have come only from profits on the sale of TI and Third Party products. We do not receive any direct funding from Texas Instruments or other manufacturers or suppliers.

Due to these cost increases we were faced with the decision of either cutting back on the services we offer or the assessment of annual membership dues. This was not an easy decision for us to make as we feel that our service is important to all 99/4 owners. We have however, decided on the installation of an annual membership fee and the continuation of all of our current services as well as the addition of several new services to be announced later this year.

Effective May 1, 1982 to remain a member of the International 99/4 Users-Group and continue to receive our Newsletters, Software Catalog Revisions, Price Lists and New Product Announcement Bulletins you must complete the enclosed membership card and return it with your check for either a REGULAR or PRESIDENTS CLUB membership.

REGULAR MEMBERSHIP

A Regular membership entitles you to all of the services the International 99/4 Users-Group has provided its members for the past 19 months

- Discounted Prices on all Texas Instruments products
- Newsletters and Software Catalogs
- Call in information and referral services
- Software Exchange Library
- New Product announcement bulletins

REGULAR MEMBERSHIP DUES ARE \$12.00 ANNUALLY.

PRESIDENTS CLUB MEMBERSHIP

PRESIDENTS CLUB Members will receive the same privileges as REGULAR Members as well as the following additional benefits.

- Every other month you will receive a special Presidents Club cassette tape with 5 Owner Written & Translated programs, an \$80 value
- An Individually numbered membership card
- Additional discounting on TI products for your personal computer from a special PRESIDENTS CLUB price list

PRESIDENTS CLUB MEMBERSHIP DUES ARE \$50 ANNUALLY.

Although the PRESIDENTS CLUB membership may not appeal to everyone, those of you who are considering purchasing in excess of \$150.00 worth of TI products over the next 12 months should weigh the savings involved. Listed below are some examples of PRESIDENTS CLUB Prices:

<i>Product</i>	<i>Retail</i>	<i>Regular</i>	<i>Pres. Club</i>
Ex. Basic	99.95	80.00	71.65
Min. Memory	99.95	85.00	71.65
Arcade Modules	39.95	35.00	29.65
Expansion Box	249.95	196.00	181.75
32K Mem. Card	299.95	236.00	213.15
Disk Mem. Drive	499.95	410.00	354.65
P-code Card	249.95	196.00	181.75

We sincerely regret that we have been forced into a membership fee position, however, we feel sure that the benefits you receive will certainly justify the costs involved.

Sincerely,

Charles La Fara
President

TEXAS INSTRUMENTS
HOME COMPUTER

1.4. Letter Sent After TI Pullout

November 16, 1983

Dear Users-Group President,

Now more than ever, local Users-Groups will rely on information and services supplied by the International 99/4 Users-Group.

With TI's announcement that they are abandoning the Home Computer business, we feel that it is more important than ever to prolong any obsolescence of the 99/4 and the 99/4A by encouraging the production of third party hardware and software lines and keeping the communication channels open for all Home Computer owners.

The International 99/4 Users-Group, in addition to providing discounts on hardware and software products, maintains an extensive Software Exchange library and has two publications; a bi-monthly four-page President's Letter, and a bi-monthly magazine entitled Enthusiast '99.

The Software Exchange Library consists of over 2,500 owner written and translated programs submitted by members of our organization. They are included in the Software Catalog, received by all 75,000 members of the IUG, and made available on disk or cassette for \$3 per program. The President's Letter keeps our members up-to-date on recent developments in the computer industry nationwide; Enthusiast '99, a bi-monthly member benefit, contains reviews, articles, and screened advertising.

As Texas Instruments may not be available in the future to assist you in your computing needs, please don't hesitate to call the International 99/4 Users-Group for help. If you believe any members of your Users-Group would also like to become members of the IUG, please call us at 405-948-1023 and indicate the number of information brochure/member applications you desire. If you have members not wanting to join the IUG but wanting to keep abreast of developments in the Home Computer industry your group may take advantage of our bulk magazine distribution offer; magazines are sold in bulk to your Users organization at \$1.25 each, and resold to members of your Users-Group for \$2.50 each. There is a minimum of 25 magazines per issue; please include a check with your order.

Again, please feel free to call the IUG with any questions you may have. I look forward to future correspondence.

Sincerely,

Charles La Fara
President

1.5. Users-Group Files for Bankruptcy

Dear Users-Group President,

As you may have heard by now, the International 99/4 Users-Group has asked it's attorneys to file for protection under Chapter 7 of the Federal Bankruptcy Act. Although we sincerely regret this action we have found ourselves with no other alternative.

It has saddened me deeply to see what has happened to the IUG over the past year. Once known for our service and reliability, financial pressures have placed us in a position where we have been operating on a day-to-day basis. For the last 4 months we have floundered with so little cash flow that we were unable in many cases to buy postage to fill our members orders.

In trying to save the IUG from extinction, I personally have placed myself in a position where our family could loose [sic] everything that we have worked for over the past 20 years. This type of risk taking to me as an entrepreneur is not entirely new, however failure is. Regardless of what some individuals think of me or the IUG, I can honestly say that we have never knowingly taken advantage of any of our members or suppliers. I know with out a shadow of a doubt that over the past 5 years the IUG has done considerably more good than harm.

It is our current desire to ship all in-house orders for Owner Written and Translated Software to our members prior to May 30, 1985. There will not be enough capitol to refund any full or partial membership dues. All creditors will be notified by the court as to the division of assets.

The entire Software Library has been kept intact and active IUG members will be notified by a new supplier how they can continue to purchase these items should they desire to do so.

Respectively,

Charles La Fara

2. Owner Written and Translated Software Catalog, 1984

2.1. HOW TO USE THIS CATALOG

The Owner-Written & Translated Software Catalog is for the exclusive use of members of the International 99/4 Users-Group. Orders for products listed in this catalog by non-members will be refused.

For best use of the Owner-Written Software Catalog, members should select the programs they wish to order from each category, and check each selection for any additional module or peripheral equipment requirements which may be necessary to operate the program selected. This information is supplied in parentheses with each catalog selection; merely refer to the key at the top of each page to determine each program's operating requirements.

An asterisk (*) appearing before the name of the program indicates that a revision and improvement has been made to the program existing in the previously published catalog.

When ordering programs from the Owner-Written Software Catalog, please be sure to use the convenient order form which has been provided for this purpose. We encourage you to make copies of this form for future orders.

2.2. COPYRIGHT STATEMENT

All programs submitted to the International 99/4 Users-Group Software Exchange Library remain the property of the original member who either coded or translated the program and submitted it to the Exchange Library. The International 99/4 Users-Group claims proprietary rights to many programs listed in the library but cannot be held responsible for their contents. Programs contained in the Software Exchange Library are held in trust by the International 99/4 Users-Group for redistribution to its membership.

The International 99/4 Users-Group will not make any changes in the source code of any program submitted to the Software Exchange Library and cannot be held liable for copyright infringements on any program listed in the Software Exchange Library.

Submission of programs to the International 99/4 Users-Group Software Exchange Library constitute legal copyright for the original author or translator of these programs and any unauthorized duplication or resale of any program listed in the Owner Written and Translated Software Catalog without the express written permission of the author or translator who submitted the program to our trust is in direct violation of federal copyright law.

All program numbers and descriptions used in this catalog are copyrighted by the International 99/4 Users-Group and may not be used by any individual, group or organization without the express written permission of the International 99/4 Users-Group. Reprint permission may be obtained by contacting the International 99/4 Users-Group at P.O. Box 67, Bethany, Oklahoma 73008.

2.3. EXCHANGE POLICY

Any member who submits a workable program under the following guidelines written in TI BASIC, TI Extended BASIC, TI LOGO, TI-FORTH or 9900 Assembly code may choose four programs of their choice for each program submitted to the International 99/4 Users-Group Software Exchange Library.

All programs submitted to the Software Exchange Library will be returned to the submitting member and a duplicate copy will be maintained in the Software Exchange Library for redistribution to its membership.

2.4. SUBMISSION POLICY

All programs submitted to the Software Exchange Library must be on cassette tape or floppy disk (hardcopy listings are not acceptable) .

The author's or translator's name, city, state, zip code and the date of submission must be encoded in REM statements in the first lines of each program submitted.

No more than four programs will be accepted from any member per exchange request.

The International 99/4 Users-Group Software Exchange Library will not accept programs that duplicate existing entries in this catalog, programs that are published by magazines or other publications which hold copyright authority on originally coded TI BASIC or Extended BASIC programs or programs which may infringe on copyrighted titles, i.e.: Star Wars, E.T., Munch Man, etc.

The International 99/4 Users-Group cannot be held responsible for loss or damage to any cassette or diskette which is submitted to the Software Exchange Library.

2.5. REDISTRIBUTION POLICY

Members who do not wish to participate in the Exchange Program may obtain, for a nominal service charge, any program in the Software Exchange Library. Library programs may be obtained for \$3 each, either on cassette tape or floppy disk. This charge is to cover our costs for operation, media, mailing, and maintenance of the Exchange Library.

IMPORTANT

1. MINIMUM OF FOUR PROGRAMS MUST BE ORDERED.
2. WHEN ORDERING THE MINIMUM OF FOUR PROGRAMS, THE MEDIA METHOD CANNOT BE COMBINED. MEANING, THE MINIMUM ORDER MUST BE FOUR CASSETTE BASED PROGRAMS OR FOUR DISK BASED PROGRAMS.
3. WHEN ORDERING CASSETTE BASED PROGRAMS AND TAPE BASED PROGRAMS, A MINIMUM OF FOUR PROGRAMS MUST BE ORDERED OF EACH TYPE OF MEDIA. MEANING, FOR EXAMPLE, AN ORDER OF FOUR CASSETTE BASED PROGRAMS AND ONE, TWO OR THREE DISK-BASED PROGRAMS WILL RESULT IN THE FULFILLMENT OF THE TAPE BASED ORDER AND THE REFUSAL OF THE DISK BASED ORDER.
4. HARDCOPY LISTINGS OF AVAILABLE PROGRAMS MAY BE ORDERED FOR \$1.25 EACH. THE MINIMUM ORDER POLICY DOES NOT APPLY.

WHEN ORDERING BY VISA OR MASTERCARD:

1. ALL CHARGE ORDERS, REGARDLESS OF PRODUCT, MUST MEET A MINIMUM TOTAL OF \$15.
2. THEREFORE, A MINIMUM OF FIVE PROGRAMS MUST BE ORDERED IN THE SAME MANNER AS STATED ABOVE.
3. HARDCOPY LISTINGS MAY NOT BE ORDERED BY CHARGE CARD UNLESS A MINIMUM TOTAL OF \$15 IS REACHED OR LISTINGS ARE ORDERED IN CONJUNCTION WITH OTHER ITEMS WHEREIN THE TOTAL AMOUNT REACHES \$15.
4. A 3% SERVICE CHARGE WILL BE ADDED TO ALL CHARGED ORDERS.
5. ALL VISA AND MASTERCARD ORDERS ARE VERIFIED BY PHONE. WHEN CHARGING AN ORDER BY MAIL, INCLUDE A PHONE NUMBER: NUMEROUS ORDERS ARE DELAYED OR REFUSED DAILY BECAUSE CARD NUMBERS ARE LISTED ERRONEOUSLY OR AUTHORIZATIONS ARE INITIALLY DECLINED.

2.6. USER INSTRUCTIONS

2.6.1. CASSETTE LOADING

All Owner Written & Translated Software is provided on high quality audio tape and is checked by the International 99/4 Users-Group for loading ability prior to leaving our office. Programs are placed on the cassette in numerical order rather than as indicated on any particular invoice. Most cassette tapes ordered from the Software Exchange Library contain more than one program and are separated by blank spaces on the tapes - We advise that you check each program you receive and make note of the tape counter number where each individual program starts. An insert card has been provided for this convenience.

It is also highly advisable that as you load each Owner Written program into your console for the first time that you make a back-up copy in case accidental erasure should occur. This back-up procedure also ensures more accurate loading performance on matched system components

To load an Owner Written & Translated program simply follow the instructions provided on page I-10 of the *Users Reference Guide* provided with your computer.

We suggest that you set both the tone and volume controls of your tape recording equipment to nearly their maximum settings when loading our tapes. We have ascertained that in most instances when the error message "No Data Found" appears, it normally indicates that the tone and volume controls of your tape recorder are set too low. When the error message "Error Detected in Data" appears, it normally indicates that the tone and volume settings are too high.

Different recording equipment performs in different ways; it is up to the individual owner to determine proper tone and volume control settings for their equipment.

2.6.2. DISKETTE LOADING

All Owner Written & Translated Software is provided on high quality diskettes and is checked by the International 99/4 Users-Group for loading ability prior to leaving our office. All programs are placed on the diskette in numerical order rather than as indicated on any particular invoice. Most diskettes ordered from the Software Exchange Library contain more than one program and a convenient Program Catalog is included with each diskette. We advise that you keep this catalog listing with your diskette for future reference.

Programs listed on the diskette catalog are listed by program number rather than program name. Please reference the Owner Written Software Catalog for corresponding name and description.

DO NOT INITIALIZE YOUR DISK. Initializing a disk erases all existing data and prepares it to receive new data.

The International 99/4 Users-Group highly advises that the first time you load our programs from your diskette you make a back-up copy in case accidental erasure should occur.

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To load diskette software, simply follow the instructions on page 29 of the Disk Memory System manual provided with your Disk Controller Card PHP 1240. Again, **DO NOT INITIALIZE YOUR DISK.**

Some diskette based programs may exceed the memory limitations of the 99/4 and the 99/4A when loaded without using the Call Files command, which is explained on page 36 of the Disk Memory System manual. If you experience a "Memory Full Error" or 1/0 Error 02, please refer to this section of your manual.

2.7. LIMITED WARRANTY

2.7.1. HARDWARE

Warranty on Owner Written & Translated Software covers the case components of the software package only. The components include all cassette tapes, diskettes, plastic containers, and all other hardware contained within an individual order. This limited warranty extends for three months and does not extend to the program contained within the software media and any accompanying documentation.

The hardware is warranted against malfunction due to materials or construction. This warranty is void if the hardware has been damaged by unreasonable use, neglect, improper service, or other causes not arising out of defects in material or construction.

2.7.2. WARRANTY DISCLAIMER

Any implied warranties arising out of this sale, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the above three-month period. The International 99/4 Users-Group shall not be liable for loss of use of the hardware or other incidental or consequential cost, expenses, or damages incurred by the consumer or any other user.

Some states do not allow the exclusion or limitation of implied warranties or consequential damages, so the above limitations or exclusions may not apply to you in those states.

2.7.3. PERFORMANCE UNDER WARRANTY BY IUG

During the three month warranty period, defective hardware will be replaced when returned postage prepaid to the International 99/4 Users-Group at P.O. Box 67, Bethany, OK 73008. The replacement hardware is warranted for a period of three months from date of replacement.

2.7.4. DISCLAIMER REGARDING PROGRAMS

The International 99/4 Users-Group does not warrant that the programs listed in the Owner Written & Translated Software Library will be free from error or will meet the specific requirements of the consumer. All programs are checked by the IUG for operational abilities before placing them in the Software Exchange Library Catalog and although some programs may contain slight bugs, the bugs should not impair the total operation of the program.

The consumer assumes complete responsibility for any decision made or actions taken based on information supplied by the IUG in the Software Catalog. Any statements made concerning the utility of the programs are not to be constructed as expressed or implied warranties.

The International 99/4 Users-Group shall in no event be held liable to anyone for special, collateral, incidental, or consequential damages in connection with or arising out of the purchase or use of programs in the Software Exchange Library.

Unprotected programs purchased by consumers cannot be refunded but will be replaced at the discretion of the International 99/4 Users-Group should the program not load or perform as stated in the Owner Written & Translated Software Catalog.

Copyright (c) 1984, International 99/4 Users-Group
P.O. Box 67
Bethany, OK 73008

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Oklahoma City, OK 73127
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3. Programs in Numerical Order

The following is a list of known "Owner Written and Translated Software Catalogs" produced by the International 99/4 Users-Group:

1. August 10, 1981. 28 pages. Green Cover.
2. November 10, 1981. Yellow Cover. Many pages are dated 7/15/82. Includes Logo section.
3. (c) 1983. Off-White Cover. Includes charts showing program requirements.
4. (c) 1984. White Cover. Includes list of Master 99 programs
5. (c) 1984. White Cover. Supplement that includes commercial ads.

The list of programs in this section is based on the programs published in Catalog (4) [above] of 1984 and its supplement (5) [above].

An entry in this section consists of the program number, the program name, and the program description. If a program number is not followed by a superscript number, then that entry is taken from Catalog (4). A program number followed by a superscript number is taken from the corresponding catalog above.

All program numbers are not sequential. Some programs were removed for copywrite [sic] reasons. In some cases new programs were given the old number. In this case the earlier entry, for example nnnn.¹ precedes the new program nnnn.

Finally, there is an inherent problem in the number method chosen by the IUG. Given time, the numbers in each section would eventually overflow into the next. For example, Games started at 1001 and at the end the last game was 1577. If the IUG had continued, the Games section numbers would have bumped into the Graphics and Demo section starting at 2100.

3.1. Games

- 1001. Bible I.**
A guess who I am game about Bible characters.
- 1002. Bible II.**
A different program written to be used with a printer. The better of the two.
- 1003. Blackjack.**
Deal the cards. 21 is the big winner here.
- 1004. Cars and Carcasses.**
One of our BEST!! Drive your car around the screen and try to run over the monsters.
- 1005. Civil War.**
Try to alter the course of history.
- 1006. Craps.**
Place your bets and roll those bones.
- 1007. Guess Phrase.**
You try to guess well-known phrases. Can be played by two.
- 1008. Hangman.**
Face the gallows on each letter guessed. Get the word right or swing.
- 1009. Lunar Lander.**
About the most challenging space game you'll find. Master this one and you're ready to fly to the moon.
- 1010. Master.**
Another one of our BEST!! Match the colors is the way to win in this game.
- 1011. Monster.**
In this one if you don't guess the correct word the Monster will eat you.
- 1012.¹ Number Guess.**
Simple but nice!
- 1013. Obstacle Course.**
Move your car through the maze to the finish line. This is an excellent program!
- 1014. Pony.**
Run this for a day at the race track. Excellent speech in this program.

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- 1015. Presidents.**
From clues the computer will give, guess what president it is looking for.
- 1016. Sailing.**
This is not an easy program to master but lots of fun. The object is to sail around three pylons in the shortest amount of time.
- 1017. Schmoo.**
A fantastic mud-throwing contest with Schmoo. This program is a real winner!
- 1018. Simon I.**
Listen for the tone and watch for the colors. Not as easy as it may sound. Another GREAT PROGRAM.
- 1019.¹ Startrek.**
The original computer space game.
- 1019. Slots.**
Graphics and music add new interest to this one-armed bandit.
- 1020. Slot Machine.**
Pull the one-armed bandit and cross your fingers.
- 1021. Tarot Cards.**
If you need your fortune told here is the way. Different words in the sentence.
- 1022.¹ Tax Collector.**
A challenging game against the computer's ability to pick factored numbers. Ages 12 and over.
- 1023. Tic Tac Toe.**
A two-player game where the computer can also win.
- 1024.¹ Match-Up.**
Hidden shapes on the game board need to be found. Ages 12 and over.
- 1025. Mugwampus.**
A new twist on a wampus-type computer game. Ages 12 and over.
- 1026.¹ Rebound.**
A very interesting game for two. Arrows fly and the first one with 10 points wins.
- 1027.¹ TI Wars.**
A new and exciting kind of space game.

- 1028. Capture.**
A game of logic that involves the CAPTURE of an enemy ship — not its destruction.
- 1029. Desert.**
An input response program. The object is to cross the desert on a camel without killing the animal or yourself.
- 1030. Crazy Lines.**
One we really enjoy!! Don't go out of bounds or cross the opponent's line. For 2 players.
- 1031.¹ Nimble.**
A simple game of don't be the one to take the last piece. Not as easy as it sounds.
- 1032. Road Race.**
Drive your car through a maze of barriers. Select gear and direction.
- 1033.¹ Wiz.**
Based on the parlor game called "Stock Ticket". A 2-player game of finance.
- 1034. Hammurabi.**
Control the destiny of a nation!! An excellent computer game.
- 1035. Indian.**
A most challenging game of position and strategy. Ages 12 and over.
- 1036. Landing.**
An input game that requires you to make a soft landing.
- 1037. Shootout.**
You need to get the enemy ship in the crosshairs before firing.
- 1038. Touring.**
Select road width and driving conditions. Fun for all ages.
- 1039. Seymour the Monster.**
An excellent educational word-guessing game. Guess the correct letters or be eaten by Seymour.
- 1040.¹ Cannon**
A nifty game. Aim the cannon, set the speed and fire.
- 1041. Star-Fight.**
A difficult game to master, but one of the best space games we have. Ages 12 and over.
- 1042.¹ Stars.**
A new twist on an old number guessing game. An excellent game for children and adults.

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- 1043. Life.**
A very interesting and thought-provoking program. Cells live and die. Ages 16 and over.
- 1044. Code Breaker.**
A Mastermind-type game. Difficult to play, but if you can figure it out it's loads of fun.
- 1045. Camel.**
Similar to Desert, but with more graphics. This is a fun game!
- 1046. English Tennis.**
A new version of a Pong-type game for two players. Fun for all ages.
- 1047. UFO.**
A new input type space game for you Star Trek lovers. We think you'll like this one.
- 1048.¹ Nab.**
An interesting maze game for any age. Object is to avoid being caught.
- 1049. Wampus #2.**
A new version of the Wampus computer game. Ages 12 and over.
- 1050. Yahtzee.**
This adaption of Milton Bradley's game of Yahtzee is fantastic!! Fun for the whole family, up to four can play.
- 1051. Quest.**
The best of several Quest games we have received. Object is to find your way out of a cave.
- 1052. Wampus.**
Hunt down the Wampus, but watch out for the pit!
- 1053. Wordsearch.**
Why buy books for wordsearch puzzles when the 99/4 can do it for you? An excellent programming job! See Word-a-Gram (1435).
- 1054. Air and Sea Battle.**
A one- or two-player game. Airplanes and ships move across the screen and try to destroy each other. The player with the most hits wins. (99/4 only).
- 1055. Animal.**
A game with some educational value — try to fool the computer. Watch as your computer stores information and gets smarter as the game progresses.

- 1056.¹ Bombs.**
The basics are here but this game could stand some changes. A real challenge for the amateur programmer.
- 1057. Checkers.**
Play a challenging game of checkers against the computer. A very well-written program.
- 1058. Dunkshoot.**
Just like the county fair midway!! Take aim and fire at ducks, spiders and bullseyes.
- 1059.¹ French Tennis.**
Try to position the net so the ball goes through. Easy you say. Try this one for skill. A very challenging game.
- 1060. Golf.**
Play a challenging game of golf at the 99/4 Country Club. The computer even lets you choose your own clubs. Entertaining for the entire family.
- 1061.¹ Hexpawn.**
Match wits against the computer. Try to advance your men in a 3×3 square before the computer beats you.
- 1062. Queen.**
Based on the moves of a chess queen. This game is hours of strategy and fun.
- 1063.¹ Squares.**
An interesting game for two or more players. The object is to collect as many points as possible through a maze created by the computer.
- 1064. Docking.**
You must land your spaceship on Earth through a maze of stars. You have limited use of your lasers, so be sure you know the way. A great game for 10 and over.
- 1065. Artillery.**
A super game for 12 and over. Strategy and planning aid you in destroying the enemy. Great graphics!
- 1066.¹ Baseball.**
Hit, pitch, walk, and strike out just like in a real game. The pitcher has several pitches from which to choose.
- 1066. Dragonmaze.**
One of the best maze games we have seen! This is a real memory buster which pits the player against the computer. You must move through the maze before the dragon catches you.

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- 1067.¹ Crash.**
A two-player game in which the object is to trap your opponent. A fun game for the entire family.
- 1068.¹ Dragonmaze.**
[Re-numbered as 1066. See above.]
- 1069. Gomko.**
Strategic board game matching your mind against the computer or another player. First player to place five of his markers either horizontal, vertical or diagonal wins!! For 12 and older.
- 1070. Othello.**
In this challenging board game you will see some of the best 3-D graphics the 99/4A can produce.
- 1071. Robot.**
A game designed for 1, 2 or 3 players, it is fun for the entire family. A super graphics and animation program.
- 1072. Sinking Ships.**
A Battleship-type game that is fun for the family. Sink all the ships and you win the game. Ages 10 and older.
- 1073.¹ Gunners.**
A two-player game. Find where the enemy guns are hidden is the object.
- 1074. Lander.**
An interesting game that requires you to judge the burn of your rocket engines in order to make a soft landing on the planet.
- 1075.¹ Reversi.**
A very challenging board game for ages 12 and over. The object of the game is by changing the other player's color to end up with the most chips.
- 1076. One-Arm.**
This new slot machine game is loaded with hours of gaming fun. Gamble as though in VEGA\$ without leaving your home!!
- 1077.¹ Par-2.**
This fun golf game requires the players to sink the ball in the hole with only 2 strokes! Two players — fun for all ages.
- 1078.¹ Quantal.**
A two-player game. Each player must either turn on or off a series of switches.
- 1079. Verboten.**
An educational game for two players which deals with the alphabet.

- 1080. Lapidis.**
Game suggested for beginners or young children. The object is to remove a rock from a pile.
- 1081. Monster Combat.**
The object is to capture treasures and move through a maze full of monsters that you must conquer.
- 1082.¹ Monster Combat 2.**
The object is to capture treasures and move through a maze full of monsters that you must conquer.
- 1083. Robot Chase.**
The object is to escape from several robots by using a series of moves. You can destroy them by running into fence posts. Hours of great fun.
- 1084.¹ Tank Fight.**
Although this two-player game does not have any scoring and at times it is hard to tell who hit who, it is still loads of fun.
- 1085. The Chase.**
A real thinker's game. The object is to track down, intercept and shoot a target. It requires you to solve algebraic problems in your head while playing. A very interesting and entertaining program. Suggested for 16 and older.
- 1086. Football.**
This text-only program is fun for all. You will have to list program for instructions.
- 1087. Island.**
Go on a treasure hunt on a South Sea island in this text-only program. This one is very challenging, and is suggested for ages 16 and up. (99/4 only).
- 1088. JCL Squares.**
A very professionally written program in which you must connect the dots to form squares. Fun for all.
- 1089. King.**
One of the best text-only programs we have. Rule your kingdom wisely and your are rewarded; fail and you die.
- 1090. Lexicality.**
Lexicality is a word building game for up to four players. The object is to make words of as many letters as possible.

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1091. Puzzle 15.

A popular traveling game now brought to your computer. The object is to arrange 15 numbers in a sequential order in the least amount of moves. An excellent program for all family members.

1092. Zap-a-Ball.

An excellent game that requires two players to possess quick hand-eye coordination. The object is to keep your ball from entering your side of the screen.

1093. Depth Charge.

A challenging game that requires the user to destroy a hidden submarine by plotting coordinates. This text-only program is for ages 10 and older.

1094.¹ Going Home.

From one of our members in Hong Kong, this very interesting and challenging board game is a real winner. The first player to bring his square home wins. Suggested for age 10 and older.

1095. Numbers Away.

Another game from Hong Kong! This simulates the popular TV game Gambit. An excellent programming job here.

1096.¹ Tradelines.

A text-only game of Intergalactic Trade-Lanes. For 2 to 4 players.

1096. Awari.

Pit yourself against the legendary Umlala Kubui in the ancient African game of Awari. An excellent programming job.

1097.¹ One Check.

48 checkers are placed on the outside square of a 64-square checkerboard. Object of the game is to remove as many checkers as possible.

1098. Air Combat.

An excellent program we're sure you'll enjoy. Fly your plane off the deck of an aircraft carrier to do battle with enemy planes.

1099. Battle for Iapetus.

An interesting graphic game in which you try to destroy all the other player's gun positions. For ages 12 and older, this game is one in which you will not get bored easily!

1100. Scorcher.

You are trapped in a field enclosed by an electric fence, surrounded by 40 fast-moving scutters. You must scorch them before they scorch you! An excellent game for ages 10 and up.

- 1101. Aliens.**
A challenging space game in which you must destroy enemy targets as they move down and across your screen. Speed is fair and we like this one.
- 1102. Deep Space.**
This text-only space game is a real challenge. Suggested for the 16 and older age group.
- 1103. Splat.**
Test your ability to free-fall parachute on several planets. You set the time of the fall and hope you don't splat. A nifty game.
- 1104. White Holes.**
One of the best maze games we have seen. The object is to find all the white holes and destroy them. Not an easy win here. 16 and older.
- 1105.¹ Line Up**
To win this game arrange a random set of numbers into numerical order from left to right. Not as easy as it may sound. A good game.
- 1106.¹ Snark.**
In this text only game you hunt the snark who is hiding in a 10×10 grid.
- 1107.¹ Chief.**
The great chief will do a number trick and a card trick for you. Entertaining program.
- 1108. Death Tank.**
Play this two-player game for hours. Each player commands a tank and the object is to destroy the opponent's tank. A bit slow, but fun.
- 1109.¹ Gunfight.**
There are 25 marshals and 25 outlaws. The first to lose all their men loses. Dodge the bullets to avoid losing men. Fun game.
- 1109. Bonkers.**
As the title screen says, this game is designed to drive you bonkers. Another one of Gene Hitz's fantastic programs. It's hours of fun.
- 1110. Helicopter Rescue.**
You must fly your helicopter to a building, pick up a body and deliver him to the hospital. Press ENTER to pick up the body and land on top of the chimney and press ENTER to deliver the body.
- 1111. Space-Shoot.**
Chase the alien spacecraft around the screen and destroy him with your laser fire. Operator must have good, quick reactions to win this game.

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- 1112. Motocross.**
Excellent! Excellent! A fun game for the entire family. Race your motorcycle around different tracks.
- 1113. Hangman and Spelling.**
A very good hangman game that does not require speech. Ages 6 and up.
- 1114. Checkers #2.**
An excellent game with well thought out keyboard entry. Exceptional graphics and speed. A great game for the entire family. See Checkers (1251).
- 1115.¹ Dice Roll.**
A simple program that graphically displays dice rolls of one, two or three dice. Great for any game which you use dice with.
- 1116. Home Run.**
Every pitch is a potential out or home run. A good game and fun for the younger ages.
- 1117.¹ Echo Chamber.**
Some real interesting sounds of this twist on a Simon type game. An excellent 1 or 2 player game.
- 1118. Keno.**
The Las Vegas favorite of Keno now comes to the 99/4. Just as in the actual game, the more numbers you guess right the more you win.
- 1119. Laser Wins.**
An excellent game in which you must get the enemy ship in your crosshairs, then fire before he gets you. Plenty of fun here! Ages 10 and up.
- 1120.¹ The Lucas Problem.**
The object of this game is to exchange the positions of the two sets of markers to place in the correct order. The object is to do it in the least amount of squares.
- 1121. Match Game.**
In this text-only game you play fill in the blanks just like the TV match game. The questions are silly but the game is fun.
- 1122. Battleship.**
Enjoy this one-player battleship game. Sink all the ships in the least amount of shots.
- 1123. Stellar.**
Text game that requires the operator to command a spaceship and crew to other planets. The object is to explore, discover and avoid perils.

- 1124. Star-Guard.**
This challenging program actually contains two additional programs to assist you. A fun and exciting game that requires you to fire your laser at alien targets. The rules programs will explain the rules, and boot score program will keep track of highest score to date.
- 1125. Stock Market.**
Text game that allows you to play the stock market without ever losing real money.
- 1126. Boxing.**
Try to knock out your opponent in this terrific game. Super program with directions included.
- 1127. In Between.**
Computer program that will deal the famous In Between card game. Super graphics.
- 1128. Time Bomb.**
Text game that requires the user to disconnect one of 10 wires to disengage the bomb. Be careful, disconnecting the wrong wire will cause the bomb to explode.
- 1129. Dominoes.**
Play dominoes against the computer. The numbers are substituted with letters. Excellent programming job and fun game.
- 1130.¹ Space Invaders.**
A well written program in Basic language. It is much slower than the arcade game but it is still a fun game.
- 1130. Orbit.**
A game of limited graphics. You must deduce where the hidden aliens are and direct your fire toward them. A good program to teach sense of direction and distance.
- 1131.¹ Minefield #2.**
Revision of the old minefield game. You must go from one end of the screen to the other. Very challenging.
- 1132. Miner.**
This is one of our best! Excellent graphics and a fun game. Dig for gold to become rich — but don't cave in! Professional programming job. Bestseller, E99 1:2:12.
- 1133.¹ Scrabble.**
Word games for ages 10 and up. Try to find as many words as possible in three minutes. Also a reverse game.
- 1133. Scramble.**
Word games for ages 10 and up. Try to find as many words as possible in three minutes. Also a reverse game.

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- 1134. Knights.**
Word text game that requires you to place the Knights, Knaves and Knumbskulls in the right order by determining statements that are true and false. Good time.
- 1135.¹ Psychology.**
You and the computer each have 10 numbers in this text-only game. The object is to play the most number. A very good game for ages 10 and up.
- 1136. Connect Four.**
Similar to the Milton Bradley game, this Basic program is very well written. Object is to connect four. A very good game for ages 6 and up.
- 1137.¹ Dodgem.**
An excellent graphic maze game type game we are sure you will enjoy. From keyboard input control where you go. Ages 10 and up.
- 1138. Space Scout.**
One of the best space games we have. Graphics are excellent but need a little more instructions. A must for those of you who are into space games. See Space Scout (1482).
- 1139. Superman.**
In this text-only game you must destroy 10 super-villains around the city. A very exciting game for the 16 and over age group.
- 1140. Motorcycle Jump.**
In this simple text-only program you judge your speed and incline in an effort to jump buses.
- 1141.¹ One or Two.**
A one or two player game with hours of playing fun. Try to out smart the other player in removing pieces from the game board.
- 1142. Battlers.**
A two-player game that is loads of fun. Very colorful graphics. Object is to destroy the other player. An excellent game.
- 1143. Nomad.**
Another one of the better text-only games that we have. By prompts from the computer you must locate Grandma's house. Ages 16 and older.
- 1144. Yahtzee-28.**
The same great program as Yahtzee (1050) but adapted to use only 28 columns of the screen.
- 1145. Mouse in a Maze.**
An excellent program for users 12 and older. The object is to work your mouse through a maze and find the chunk of cheese. A very tricky maze game.

- 1146. Alpine Skiing.**
Choose from six different levels of difficulty and two different course as you try to master the downhill race. Great graphics and loads of fun for the entire family.
- 1147.² Phasered.**
A Hangman type game in which you must identify words that were used in the popular Star Trek series. If you don't guess the word you are phasered.
- 1148.² Backgammon.**
Move your stones on the playing board as the computer randomly select the dice rolls. A great game.
- 1149. Connect the Dots.**
The object of this little game is to connect the dots in a 7 x 7 grid. The one to complete the most squares is the winner.
- 1150. Acey-Ducey.**
Great cards graphics in this program which asks the user to bet whether he can hit a card in between the two cards the computer displays. Fun for all ages.
- 1151. Black Box.**
An excellent program to test your memory skills and skills of deduction. The object is to find atoms hidden in the Black Box by injecting rays. Best for 16 and older.
- 1152. 3-D Tic-Tac-Toe.**
As good or better than the TI program of the same name. Great programming here.
- 1153. Bomb Scare.**
In this text-only game you are required to find a bomb located in one of 1,000,000 rooms from the signals it gives off. The closer you get the stronger the signal, but you only have 20 tries. A real fun game.
- 1154. Dracula.**
An interesting game from one of our West German users. The object is to avoid Dracula as long as possible before being caught. Fun for all ages.
- 1155.² Knights Tour.**
Played on a chessboard, the object is to land on as many squares as possible, using any moves the Knight is allowed in chess. An interesting and though provoking game.
- 1156. Mars Lander.**
An interesting game for the younger set. Use the arrow keys t make a soft landing on Mars. 6-16.
- 1157. Swords and Sorcery.**
In this text-only game you must escape many dangers while fighting for your life.

1158.² Anti-Aircraft Gunner.

The object of this game is to destroy as many aircraft as possible. You may move your gun but be careful the plane has a built-in radar system. Suggested for 10 and older.

1159. Devil's Dungeon.

An excellent text-only Dungeons and Dragons type game. The object of the game is to acquire as much gold as possible while avoiding monsters. One of our favorites.

1160.² Block 'Em.

A two-player game in which the object is to block out your opponent. Fun for any age.

1161. Navigate.

Fun to play but not easy to obtain a high score, as this game requires much skill and dexterity.

1162. Monster Chase.

An interesting game in which monsters chase you around the screen. You may destroy them but it's not easy. Suggested for ages 12 and older. See Monster Chase III (1453).

1163. Man-Eating Rabbit.

This text-only game pits you against a man-eating rabbit. If you are able to avoid the rabbit for 10 moves, you win. A very interesting game.

1164. Tail.

In this game you must capture diamonds without retracing your steps. A great game for the entire family.

1165. Tail.

The same game as Tail (1164) but designed to run with a disk system.

1166. Extended Blackjack.

You will find excellent graphics in this Las Vegas style Blackjack game. You will also need some real luck to beat the house.

1167. Rocket Launch.

The object of the game is to launch your rocket at a precise time enabling it to hit the jet plane above you. Scoring includes attempts, hits, misses, and percentages. Good graphics and speed.

1168. Spanish Battleships.

From our friends at Texins de Colombia in Bogota, Colombia, South America, comes this all Spanish version of the ever popular Battleship game. Very well written and a great educational tool for learning some Spanish.

1170. Roulette II.

An exciting trip on the wheel of fortune. Las Vegas style betting is used in this game of chance.

- 1171. Ski Slope.**
An interesting game of downhill skiing. Suggested for ages 6 and up. Quick response is needed to achieve a high score.
- 1172. Space Belt.**
Drifting in deep space, your mission is to destroy all enemy targets in this colorful game. Good speed and graphic effect in this Basic game.
- 1173. Flying Sprites.**
An almost impossible game that requires the player to capture letters or numbers as they fly across the screen. A built-in timing feature adds an additional challenge.
- 1174. Kismet.**
Similar to Yahtzee, but with colored dice. Kismet provides a challenge for up to four players.
- 1175. Munch.**
In the Basic game you must clear all of the dots from the maze board to win. Could use some type of scoring system and be a bit more challenging.
- 1176. Robot Wars.**
Simple but interesting! Move to avoid being destroyed by the Killer Robots!
- 1177. Close Encounters.**
This text-only game is good for those of you who enjoy Operation Fail-Safe type programs. Fairly easy but a good game.
- 1178. Fire.**
You must try to stop a raging forest fire in this super text-only game. You can choose to use a backfire of chemicals, but you must put out the fire.
- 1179. Sad Face.**
A dice game with a new twist. Try to roll 50 points before the computer does. BUT, if the SAD FACE comes up you lose your points that round.
- 1180.² Not One.**
A dice game against the computer. Pick the number of rounds you wish to play and either roll or pass to achieve the highest score.
- 1181. Poker.**
Excellent game of five card draw against the computer. Draw up to three cards with a \$5 betting limit.
- 1182. Crazy Clown.**
An excellent program for pre-school children. Choose from four different games. A wonderful program.

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- 1183. Cootie.**
One of the all time favorite parlor games comes to life in this excellent program. Suggested for ages 6 and up. See Cootie XB (1448).
- 1184. Othello II.**
This one comes with complete playing instructions and offers three levels of difficulty. Two players, or play against the computer. Level 3 is HARD!!
- 1185. Pin the Tail.**
A very well done game that is great for children's parties. Screen shows donkey, then goes blank for you to try to relocate.
- 1186. Smiley.**
Move around the screen gathering points while you avoid being eaten by a Smiley Face critter.
- 1187. Space Gem.**
A recent pick as one of Charlie's Choices. This is a very good but difficult game to master. Sprite graphics show your space ship as you try to avoid crashing into other ships.
- 1188.² Cipher**
A new code breaker game that is not easy to master. A little short on instructions, but very interesting. You have to guess a 4-color code sequence.
- 1189.² Isolate.**
A graphic board game for 2 players. Thinking power and skill are required to win. Very well done.
- 1190. Score 4.**
Similar in nature to Milton Bradley's Connect 4. This Basic game is a great family entertainment.
- 1191. Imperial Lander.**
Excellent graphic effects! You must leave the mother ship, then land on the planet Zira. After landing, you must then return to the mother ship. Suggest age: around 10 and older.
- 1192.² Shooting Gallery.**
A neat program that could stand a scoring system. Fun for children as well as adults. Shoot at card suites and watch them disappear.
- 1193. Trek.**
Shoot at your enemy with phasers or torpedoes. Dock at your home base to refuel. Impulse and warp drive capabilities are included in this Basic game.
- 1194. Chicken Helper.**
If you have an Extended Basic, you will want this one for your software library. Programmed by the brothers Beljaff, Chicken Helper is a real delight. Object? to get the chicken to the other side of the road!

- 1195. Rescue Challenge.**
Try to rescue a friend on a damaged spacecraft before it is pulled up into the sun. A very challenging game for 16 and up.
- 1196. Alien.**
A well done game in TI Basic. Shoot down the flying saucer before it gets you. Graphic styling is in a Space Invader format. Good speed and great action.
- 1197. Part Time.**
From the Queen's lands in Australia comes this nifty horse race program. Place your bets and watch the ponies race across the screen.
- 1198. Concentration.**
An excellent game of Concentration with four different skill levels. 48 squares hide letters you must reveal, then match. An excellent mind builder.
- 1199. Egg Wars.**
This is an unbelievable game of fun and dexterity. Princess Lay-a is in trouble and needs your help. Superb graphics are used to find that you can't put all your eggs in one basket. Fun for all ages.
- 1200. Trench.**
Authored to be nearly impossible to win, this war game is a real challenge. Base on a World War I battlefield situation, Trench will be played again, and again, and again.
- 1201. Warfish.**
An exciting undersea game that can be enjoyed by the entire family. The object of the game is to sink as many enemy ships as possible before they sink you. Options allow you to attack and dive to avoid destruction.
- 1202. Ant Wars.**
Test your escape skills against deadly yellow ants in this fun filled Basic game. Fast action and good graphics make this game a real winner.
- 1203.² Break.**
A 2 player text only game in which each player loads weight to the camels back. The player who exceeds the 150 pound limit, and brakes [sic] the camel's back, loses [sic].
- 1204. TI Dogfight.**
A two-player game in which you and a friend are in control of jet fighters. Full screen action makes this game very exciting.
- 1205. Chicken #2.**
Similar to Chicken Helper, this game uses larger sprites and allows left and right movement. An excellent game.

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- 1206. Dragon Hunt.**
From one of our Canadian members comes this Basic game for small children. Object of the game is to capture the dragon.
- 1207. Alien 3.**
UFOs have been spotted over Washington, DC and you are charged with the Capitol's defense. Good sprite action.
- 1208. Autobahn.**
Programmed by a 99/4 owner in West Germany, Autobahn offers fun for the entire family. Good graphic effects and good speed for a Basic game.
- 1209. Apollo.**
Although this game lacks instructions, it is an excellent game to play. Hint: you will only need to press one key. Remember where your fuel stations are, and don't turn more than 360 degrees. Programmed in Basic, we're sure you'll enjoy it.
- 1210. Stardodger.**
Excellent use of sprite graphics make this game loads of fun. Lost with a computer-controlled ship in an asteroid shower, you must maneuver your ship away from the asteroids to score.
- 1211. S/A Missile.**
A super two-player game which can be played from the keyboard. Choose the amount of missiles you want, and fire at enemy aircraft over the city.
- 1212. Extended Golf.**
This graphic golf course shows locations of your shots, and allows different swing strengths. An excellent game for the entire family. A superb programming job.
- 1213. Baccarat.**
Chemin de Fer Madame and Maseur for the high stakes game of Baccarat. A fantastic card game for the computer.
- 1214. Hot-Dog.**
Hot-Dog needs your help in crossing the busy freeway. This is an excellent game for all ages, and menu selection allows different difficulty settings. Super graphics.
- 1215.² Space Venture.**
An excellent space game, but the action is a little slow. Good graphic effects, and holds the users interest.
- 1216. Tank Shot.**
From a West German member comes this great Basic game. The object is to remember what key fired the right rocket. Excellent speed and graphics.

- 1217. Zan Quest.**
You are charged with destroying an enemy fortress and you must avoid enemy ships. Enter the fortress and return to your base. Excellent graphics.
- 1218. Dog Race.**
Place your bets at Heist-a-Leg dog track. Pick your favorite, or play a parlay for big wins. Excellent graphics but a bit slow. Great family entertainment for up to eight players.
- 1219. Slither.**
An excellent game similar to TI's Hustle. Fun for the entire family with one or two players. See Serpent and Snake (1357).
- 1220. Air Traffic Controller.**
You are in command of a busy international airport. As flights arrive, you must assign their holding patterns and direct their landing operations. For ages 12 to adult. An excellent game of skill.
- 1221. Asteroid.**
Good graphics make this Asteroid game fun for the entire family. Similar to the arcade game, the object is to destroy all of the space rocks.
- 1222. Wagon Wheel.**
Based on the same principle as the arcade game Donkey Kong, this game is a real winner. You must save the burning wagon at the top of the screen, but watch out for snakes and runaway wheels.
- 1223. Walk in the Woods.**
A super Basic game that is fun for all ages. Walk through the woods to collect treasure but watch out and don't step on any dead cats.
- 1224. Space Command.**
Hi-res graphics and total use of 99/4 abilities make this game a real joy. You must shoot down the enemy spycraft to defend the galaxy. Great program! Bestseller, E99 1:2:12.
- 1225. Cube.**
Manipulate Rubik's Cube using your 99/4A. You can begin with an ordered cube or have the computer jumble it.
- 1226. Largo Downs.**
Place your bets and watch the ponies run at Largo Downs. Great graphics! A real professional programming job.
- 1227. Tank Race.**
A two-player game of tank battle played out in a random maze.

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1228.² Ex. Blackjack.

A fantastic Blackjack program. Great graphics and some music added in, makes this the best of several Black programs we offer.

1229. Crossword.

A computerized crossword puzzle. Puzzle grid and clues are displayed on your screen. Good program.

1230. Dimension Doors.

A text-only Extended Basic game for one player that requires you to hunt down a magician who is hiding behind one of the doors. A good adventure game.

1231. Cat and Mouse.

Great graphics and great speed make this cat and mouse space game fun for the entire family. Joysticks are required. We like this game! (99/4 only).

1232. Potshot.

Based on the same principle as the TI command module Video Games, this program is a real blast. Align your sights on the target and fire. Fun for all ages.

1233. Space Duel.

A very well thought out two-player game. Dogfight with your opponent while trying to avoid collisions with asteroids. Speed is fair and the programming is great!

1234. Spacewar.

A two-player game in which you must outmaneuver your opponent. Mines and transporters make this game all the more exciting.

1235.² Tranks.

A great little Basic game in which you try to block in your opponent. Mines and transporters make this game all the more exciting.

1236. Asteroid Belt.

An excellent space game with vivid graphics. You must avoid the asteroid field and reach the heavens after you pick up a passenger. Fun for all ages.

1237. Party Game.

An adult board game of drinking, stripping and fondling. Done in good taste! 99/4A only.

1238. Clones.

In this Basic game you need to gather treasure while avoiding all kinds of creatures. Excellent graphics and speed for a Basic program.

- 1239. Invasion.**
From West Germany this game is sure to become one of our most requested. Programmed in Basic, it offers great speed and can be enjoyed by all.
- 1240. Indy 500.**
Pass on the inside our outside but you must avoid hitting other cars on the track. Scoring and timing features built in. Great race action.
- 1241. Space Guard.**
Another real good space game which can be played by almost anyone. Timing and scoring features built in. Great action.
- 1242. Alien Destroyer.**
By far the best use of graphics we have seen in a game program. This game is a must for all of you who have Extended Basic. Exceptional speed and visual effects. A super program!! Bestseller, E99 1:2:12.
- 1243. Space Attack.**
A little slow but a good Basic space game for ages six and over. Nice graphics.
- 1244.² Molasses Man.**
All of the caricature definitions are there and so is the maze, but the speed is so slow that the author named it right. This program could be a real challenge to all you Ex. Basic programmers. NO BUGS JUST SLOW!
- 1245. Block Buster.**
A Breakout style game that can be played from the keyboard. Fair speed and good graphics.
- 1246.³ Beast Killer.**
An interesting game of skill for 8 years and up. Requires dexterity.
- 1247. Freeway.**
A speedy and interesting challenge to your rapid coordination ability. Get across the freeway and choose large or small trucks.
- 1248. Road Maze.**
In Extended Basic, a very smooth running game maneuvering in a maze. Runs choppily in Basic.
- 1249. Lunar Lander.**
An Extended Basic version of Lunar Lander (1009).
- 1250. TI Wars.**
An Extended Basic version of the popular 1027. (?? obsolete ??).

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- 1251. Checkers.**
The Extended Basic version of Checkers #2 (1114). Runs faster and smoother.
- 1252.³ Navigate.**
Extended Basic version of #1161. With joystick you have a much finer control of the game. Runs much more smoothly.
- 1253.³ Yahtzee.**
A new version of the old game for those who want to try something new.
- 1254. B-1 Bomber.**
A text-only game that will challenge your mental math skills. Requires good memory retention (your own) and skill. Not for tiny tots.
- 1255.³ Fastblast.**
Hit the target at that split second it is in your sights. Requires a high level of coordination and skill.
- 1256. Gravity.**
A delightful game for all ages, but the little ones will have hours of pleasure with this one. Simple but not boring.
- 1257. Island Jumper.**
A fantastic and delightful game for all. Superb and charming graphics. It's not so easy as it seems. A wonderful job of game programming.
- 1258.³ Spacechase.**
A bit slow but good graphics and interest. For 2 players.
- 1259. Stoneville Manor.**
An excellent text-only Dungeons and Dragons type mystery game. You can stop anywhere and save the game for continuing later. Some minor bugs corrected but there may be more. Requires good memory.
- 1260.³ Blockade.**
A game with good speed and action, yet simple enough for youngsters.
- 1261. Rubik's Cube Simulation.**
A fantastic mindcracker that requires good memory and a sense of spatial relationships. It will keep your mind hopping.
- 1262. Gobbler.**
A very slow Munchman type game. Good for the little ones to learn on.

- 1263. Clueless.**
A text-only detective mystery game. You will have lots of fun trying to remember all the details.
- 1264.³ UFO Racer.**
A two player game in a maze-like track. Easy enough for small ones.
- 1265.³ Dice Roller.**
A simulated dice game with good graphics. Shows payoffs and the roll sequence to see how you did.
- 1266. New Hangman.**
Fantastic new Hangman game with its own data file for a larger number of words. You can create your own file of words or change if you want.
- 1267. At the Races.**
An absolute delight. Excellent and realistic graphics throughout the game. Up to 11 people can play and place any bets for win, place or show. You will find yourself filled with the same enthusiasm as if you were there.
- 1269.³ Lander.**
A fast and interesting game of skill for all ages.
- 1270. Madlib.**
A text-only game. You supply some words and the computer generates stories, etc, at random. Absolutely hilarious! See Madlib II (1461), Storyteller (1388).
- 1271.³ Car Catch.**
Seems simple but catching the computer's car is quite a challenge. Will delight old and young alike.
- 1272. Rescue Craft.**
You must be fast with this one. For two players who can keep on their toes without hitting each other while rescuing their crews.
- 1273.³ Space Hunter.**
A board type game to guess where your friends are before your opponent does. For two players.
- 1274. Bombs Away.**
Do a bombing run on a town and be accurate. Good movement but simple enough for all ages.
- 1275. Darts.**
A simulated dart game with smooth and fast graphic movement. You have several choices, but don't stick the cat!!
- 1276. Insanity.**
One of Charlie's Choices. You cannot find a simpler yet more enjoyable and frustrating game.

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- 1277. Space Pilots.**
While flying at top speed through the dark void of space you must deactivate those alien space mines but don't hit any stars. Fast!!
- 1278.³ Tank Command.**
Easy to play game with interesting graphics. Drive your tanks through mine fields and hope you made the right choice.
- 1279. Adventure.**
An adventure game of mystery and intrigue. Lacks complete instruction but that is part of the adventure!!
- 1280.³ Base Alert.**
A fast action game with good graphics that is a great test for your reaction time. It will command you attention.
- 1281.³ Backgammon.**
Excellent representation of a backgammon board in TI graphics. Devotess of this game will love the computer version.
- 1282. Battleground.**
A very fast action game pitting ground force against a plane. Great graphics and simulation. Plane can accelerate and dive.
- 1283. Invasion Wave.**
A game quite similar to TI Invaders. Try this one for a change.
- 1284. Slay the Dragon.**
Fast action game of high interest with a new twist. Good graphics add to the excitement of this game.
- 1285.³ School Daze.**
A fun chase game that is different. You must finish all of your assignments before your teachers catch you. Will provide hours of fun and entertainment for all.
- 1286. Football.**
An interesting game that is part text and part graphics. You can play three ways: person v. person, person v. computer, or computer v. computer.
- 1287.³ Money Tree.**
A two-player game with fast action and high interest. Gather the money as fast as you can and watch out for your opponent's bandits.
- 1288. M.**
A text-only Dungeons and Dragons type game. You can spend weeks on this one.

- 1289.³ Evade.**
A board type game that is fun for all ages.
- 1290. Destroyer.**
A text-only game requiring mental agility in sinking the battleship. You will become a gunnery expert after you play this one. Not for youngsters.
- 1291. Doomstone.**
A takeoff on Tombstone City. This game is painfully slow in contrast with the TI version. A novice programmer can have fun reworking this program to improve speed.
- 1292.³ On Patrol.**
A game with good potential but in present form it is very slow and needs some work. Good practice for a beginning programmer.
- 1293. Vampires.**
An interesting game with good graphics. Seems slow but you will still get caught if you don't keep your wits about you. Different levels of difficulty are available.
- 1294. Bug Spray.**
A charming game with fast action. Use the bug bomb to eliminate those spritely bugs before you get stung. Great for all ages.
- 1295.³ Bandit.**
A new one-armed bandit game from our friends in Australia. Very good graphics presentation.
- 1296. Draw Poker.**
Excellent graphics make this card game all the more enjoyable. You have choices of the type of game you wish to play.
- 1297. At the Races.**
Another new horserace game as presented by Australian members. A two-player game that will keep you shouting your horse on.
- 1298. Word Scramble.**
A most interesting game resembling Scrabble. Up to four players may play and there are several interesting options for you.
- 1299. The Airplane Game.**
Shoot down the enemy plane if you can. A fast action game that requires concentration and rapid response. See if you can do it!!
- 1300. Mad Chemist.**
This game is not for youngsters since you have to be sharp in your math. Text-only requiring good mental math skills.

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- 1301.³ Scale of Doom.**
A text only game for older children and adults. Place differing weights on three pans so that all does not topple to destruction.
- 1302.³ Assassin.**
Beware of whom or "what" is lurking around the corner. Good fun.
- 1303.³ Fallout.**
A text only game that requires good memory retention. Be sharp.
- 1304. Tic Tac Dough.**
Now you can play the popular TV game right at home. You can change the questions at any time and keep people on their toes.
- 1305. Witch Mountain Rally.**
Text-only just heightens your need to keep your brains on straight. You have to race up a mountain with limited gas and vision but you do get a choice of cars. See just how sharp a driver you are!!
- 1306. Captain Crunch.**
This is a Munchman type game. You have to eat all the apples in the orchard before the Munchkins get you. The challenge is, when you move, it might be one, two or no spaces!! Tense yet?
- 1307.³ Philadelphia Tictactoe.**
You play against the computer in this old favorite with "Philadelphia" rules. Are you as smart as the 99/4A in such a simple game as this?
- 1308. Victory at Sea.**
A game similar to the board game of Battle At Sea. You play against the computer. Fast action with good graphics, it is a good strategy/guessing game for all ages.
- 1309. Shoot the Stars.**
Who ever would have thought that nine simple and harmless little start could drive you up one wall and down the other? All your mental abilities will be tested but you won't give up. Once you start you can't seem to stop. Here they come with a white jacket!!
- 1310. Knockout.**
A game similar to Pong with three different playing options. It has interesting graphics and can be played by one or two people.
- 1311. Match-a-Pair.**
A board type matching game for two to four players. You try to match the hidden pairs of objects (up to 24). Excellent graphics.

- 1312. Minefield #3.**
Get across the minefield and destroy the enemy ammo dumps without hitting a mine. Good graphics. Great speed when played in Extended Basic.
- 1313.³ Gamepack.**
A three in one package of different text only games.
- 1314. Dragon's Lair.**
A text game of mystery and adventure. You must get to the dragon's lair and steal his gold without being trapped or killed.
- 1315.³ The Chase.**
A game that is quite slow with good potential for the game programmer. With a little work it could be great.
- 1316. The Hungry Turtle.**
A charming game of skill for all ages. How many flies can you catch as the turtle swims along? It'll make you smile!!
- 1317. Pente.**
The famous two-player game of Pente on the 99/4. If you like chess, Othello or checkers, this is another to add to your library.
- 1318.³ Space Pickup.**
A great game for all ages with interesting graphics. Wend your way through the space mines to pick up lost cargo. Timed playing only heightens the interest and excitement.
- 1319.³ Stranded.**
A two-player board game with a new twist. You must take up spaces so that you leave your opponent "stranded". Fast response.
- 1320. Sub Hunt.**
You play against the computer in a challenging submarine hunt. This is a text-only game with marvelous introductory graphics.
- 1321.³ Time Bomb.**
Disarm the time bomb by guessing the sequence of wires to cut. Limited graphics.
- 1322. Graphic Adventure.**
Find your way out of a three-story dungeon but watch out for those hidden enemies along the way. Good programming job with good graphics. You need a good memory for this one.
- 1323. Laser Assault.**
An excellent and very fast game with good graphics. Good programming gives this its fine speed.

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- 1324.³ Rifle Range.**
A two-player game at the rifle range. You must guess where the targets are so it is as much chance as skill.
- 1325.³ Simon Says.**
The 99/4(A) version of the old favorite. Needs a little work to eliminate some bugs but playable.
- 1326. Thruway.**
Have you ever seen Frogger? Well, try this one. Cross the highway, swim the river, avoid the alligator and if you survive, you get to do it all once again. Great fun for all!
- 1327. Space Berserker.**
This is a relatively slow game that still represents a challenge. It is very hard to win at the one. How good are you?
- 1328.³ Dice Roller.**
Play a game of dice against the computer and see if you know just when to stop before rolling a "7".
- 1329.³ Heavy Metal.**
Avoid a heavy electric charge while maneuvering your assailants into the transformers. A bit slow but interesting.
- 1330.³ Magic Numbers.**
Pit your mental skills against the computer in trying to guess the secret number. Not as simple as it sounds.
- 1331. Bible Buzz.**
A question and answer game about the Bible. Quite extensive.
- 1332. Falling.**
A seemingly simple game that will delight all. Catch the falling ball to score and if you get really good, you can make the ball invisible.
- 1333. Scrabble.**
A computer version of this popular game. Well planned with very good use of the screen and graphics.
- 1334. Black Forest.**
This one will get you. You must find your way home through the forest in the dark! You can peek but it will cost you.
- 1335.³ Buried.**
A board type game of guessing where treasures are hidden.

- 1336. Carwash.**
This is a text-only game that can help teach children about money management. You are the manager of a carwash and must make decisions about business changes. A challenge! See Stock Market (1342).
- 1337. Space Ordeal.**
Quite a challenging game of quick response. You must get the mutating space forms with your invisiray before they can change and fire on you.
- 1338. Pie Ring Squad.**
An absolute jewel of a fun game. Superb graphics will give you hours of laughter. Hit the mountie with a pie but watch out for the crazy gorilla throwing bananas. A must for your collection.
- 1339. Craps.**
An Extended Basic version of Craps (1006). Runs much faster.
- 1340. Persons, Phrases and Places.**
A quiz show on screen for up to four players. Absolutely fascinating for all ages. Make your guess and watch the magic ball bounce out your destiny.
- 1341. Smokey's Bandit.**
A text-only game where you and your computer, Smokey, try to pursue and capture the bandit. Do you have a good memory?
- 1342. Stock Market.**
A text-only game similar to Carwash (1336). Use your business sense to win or lose playing the market.
- 1343.³ Tail!**
A much faster version of programs #1164 and #1165. One or two players now allowed.
- 1344. Bomb Adventure.**
A text-only adventure game of the Dungeons and Dragon type.
- 1345. Duck.**
Another absolute winner of a game. Superbly written action game with great graphics. Climb the ladders to the throne without getting hit by a duck or frisbee. Another must!!
- 1347. Hacksaw Canyon.**
A two-player game of skill. Great graphics and action. You must blast away the boulders filling the canyon as you fly overhead.
- 1348.³ Invasion Fleet.**
Shoot down the invaders and save yourself. This game is a bit slow.

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- 1349. U-boat Chase.**
Interesting graphics perk up this somewhat slow game. Requires a good sense of judgement and timing.
- 1350. I Hobbit.**
A very complete Dungeons and Dragons type adventure game. It comes with a separate program of instructions. You could spend days with this one.
- 1351.³ Mix 'n Match.**
A 2 player "board" game to match hidden pairs of items. Quite interesting and challenging.
- 1352. Alien Rain.**
A game quite similar to TI Invaders but it is very slow. Could be useful to practice on.
- 1353. Draw-a-Line.**
This games seems sooo simple. You only have to fill in all the blanks and you win! This is great to teach youngsters planning and linear relationships.
- 1354.³ Higher/Lower.**
A fun game to guess the number that the computer has hidden. Speech makes the big difference.
- 1355. POW Rescue.**
A superb game with wonderful graphics and action. You must fly a helicopter into a POW camp, rescue your men and deliver them to safety, all the while avoiding machine guns, enemy planes and crashes.
- 1356. Space Patrol.**
Good graphics and action in this space war game. Watch out for the unexpected! A bit short on instructions so list the program before running.
- 1357. Serpent and Snake.**
A two-player game similar to Slither (1219). You will go absolutely crazy trying to avoid yourself, your opponent and the walls. Hours of fun.
- 1358.³ Sprids**
You must protect the antenna of your moon satellite station by shooting down the Sprids coming from all directions. Good graphics.
- 1359. Supra.**
A very challenging game with good graphics and action. You will need a hair-trigger reaction and great memory to win at this one.
- 1360.³ Chicken Helper.**
A superb game with fantastic graphics and fast action. All you have to do is help the poor chicken across the 16-lane highway. Bet you don't make it.

- 1361. Cupid's Arrow.**
This game is a darling in graphics and concept. You must avoid Cupid's arrows or you will end up with a broken heart. Absolutely delightful.
- 1362. Colorcode.**
A very well done guessing game. You must guess the colors the computer is thinking of. Levels of difficulty and other options make this a very versatile program.
- 1363. Droid.**
A board game for 2, 3 or 4 players. Get the droids to gather as much ore as possible without getting cut off by your opponents.
- 1364.³ Shootout.**
A fast action game of limited graphics. There are no instructions but they are easy to figure out.
- 1365. Guess the Word.**
A very well done guessing game that is both educational and highly entertaining. Recommended.
- 1366. Meteor Shower.**
You set the time of play and then avoid the meteor shower coming at you fast and furiously.
- 1367.³ Trak-Trek.**
Set your playing time and then avoid the boxes placed everywhere on the screen. The hitch is you can only make right or left turns.
- 1368. Warpout.**
No shooting here, you must simply board the skittish alien ship. This game will entertain (and frustrate) you for hours.
- 1369. Handroid.**
Great graphics and super fast action will electrify you. You need fast response and attention to shoot only the blinking Handroid.
- 1370. Moon Survival.**
A text-only adventure type game that will wrack your brain. There are no instructions, so that is the first adventure.
- 1371. Connect by Fours.**
Excellent graphics in this game similar to Connect Four. With disk you can save scores, too.
- 1372. Dealer's Choice.**
A text-only game like the popular TV game. It is actually five games in one.

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1373. Mind Challenger.

A board game for two players. You must have a good memory to remember where all the items are. Goal is to match as many hidden pairs as possible.

1374. Rockets.

A two-player game with excellent graphics and good speed. A very interesting and well done program.

1375. Sub Hunter.

A two-player game to hunt the sub and destroy it. Excellent graphics. You have to have a good sense of timing for this one.

1376. Trekkie.

A game with interesting graphics. Avoid the Romulans and dock to recharge before it's too late. Warp drive takes you back to the battle scene.

1377.³ Balloon Race.

A game of limited graphics. You must descend to the bottom of a chasm before your opponent without crashing into the sides. Two players.

1378. Freeway Escapade.

An excellent Frogger type game of good interest and speed. You have a choice of five different items to use for crossing and can set three levels of difficulty. Most enjoyable.

1379. Blackfish.

This one will dizzy you. In that swarm of hundreds of wildly moving fish find that little black one and eat it before it grows up. Be watchful of those sharks! Excellent graphics, speed and action.

1380. Bridge Guard.

An absolutely fantastic job of graphics programming. This game will keep your interest for hours. Different levels of difficulty. Using keys 1-0, you must open sections of a bridge to let the meteors fall through. If you can move like a hummingbird, maybe you can make the highest level.

1381. Frogman.

Another superb job of game programming with wonderful graphics, action and interest. Cross the highway and try to cross the moving lily pads before a snake gets you. Hours of entertainment.

1382. Krazy Koala.

An absolute MUST for your family. The only cute and cuddly game we know of. Superb graphics and charm. You must help that lovable koala get to his mate, picking fruit as you go and watching out for that nasty rock-throwing monkey. The detail of the graphics is simply wonderful. Bestseller, E99 1:2:12.

- 1383. Paramedic.**
Different speed levels make this a real challenge as you maneuver your ambulance through a mine field to rescue your wounded.
- 1384. Grand Slalom.**
Up to 40 speed levels make this a dizzying ski race. Highest speed level is almost impossible to manage unless you are very, very good!
- 1385. Mine Trap.**
Do you have an excellent memory? Test it with this game. You have only a few seconds to memorize this layout of the minefield, then, with the screen blank, you have to try to cross it.
- 1386. Pick Up Sticks.**
A game similar to Nim. You play against the computer to see who can pick up the last stick. Three levels of difficulty and a choice of who starts make the program more flexible.
- 1387. Shooting Gallery.**
An excellent game with two levels of difficult. Good graphics make this game very interesting as the targets change speed and direction at random. Loads of fun for all.
- 1388. Storyteller.**
A smoothly written program to generate laughable nonsense stories. This is similar to Madlib (1270) and will provide hours of laughter.
- 1389. Lunar Landing Simulator.**
Your are given a graphic presentation to simulate a lunar landing and by correctly setting velocity and fuel, land on the dime. Challenging for all.
- 1390. Plunder.**
You are given a time limit to fly around the galaxy and absorb the planet radiation you can. Seems simple, doesn't it?
- 1391. TI-Boom.**
A game with three levels of difficulty with good graphics and action. The red devil drops his bombs helter-skelter. You must catch them all in your movable basket!
- 1392. Kidnapped.**
A great addition to the library of adventure games. You will wander for hours through this entrancing game.
- 1393. Trucker.**
This one will keep you on the move. Your object is to smash as many trucks as possible within a time limit. There are three levels of difficulty and a choice of day or night driving.

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- 1394. Dungeons and Dragons Character Creation.**
Not really a game but a useful utility for players of Dungeons and Dragons. It is used for creating new characters. Handles up to 20 new characters at one run. Even the saving throws can be listed.
- 1395. Jackass Derby.**
A two-player game with good graphics, good action and great fun. How good are you at getting a stubborn mule to move? Try this one.
- 1396. Sub Search.**
A fast action game that is very well done. You must drop depth charges with good timing and get those random subs without getting sunk. Sharpen your wits.
- 1397. Kaboom.**
Catch those falling bombs or KABOOM. Five skill levels add interest and increase the challenge. Limited graphics but still fun.
- 1398. Microjaws.**
Nine levels of difficulty will keep you interested as you try to catch all those itty-bitsy fish swimming all around. Well done.
- 1399. Up Scope.**
This is a sight 'em and sink 'em game with an excellent layout of graphics and sound effects. Should promise much enjoyment.
- 1400. The Gnasher.**
Find the happy faces on the gameboard but watch out that you do not pick a square with a lurking gnasher. Those teeth are sharp. This game is simple enough for tiny tots to play but not boring. (99/4A only).
- 1401. Birdstorm.**
An excellent game of skill with seven different screens to fascinate you. Fly through the bird flock without hitting any but remember you can't fly over the barn.
- 1402. The Tower of Hanoi.**
A computer version of this centuries old puzzle. You must move up to seven disks from one stake to another without putting a larger one on top of a smaller. And if it's too much for your brain the program will even show you the solution.
- 1403. The Apple Tree.**
Tired of violence and shooting? Well here you are. As the ripe apples fall from the tree, you scurry back and forth to catch them. Oh, we forgot to mention the crow! A bit slow but has good graphics and will be great fun for the little ones.

- 1404. Pinochle Partner.**
A scorekeeper for up to four players. This is for the serious pinochle player and is quite professionally done.
- 1405. Time Bomb.**
This Extended Basic version of disconnect the wires in the right order or else game has fantastic graphics. Great fun guessing game.
- 1406. Trog.**
An excellent game with great graphics. Your Trog must blast those invaders coming from all directions. If you're good you'll get a nice bonus.
- 1407. Connect Four.**
A very well done Extended Basic version of this popular game which was submitted by one of our French members. Great graphics.
- 1408. Defense.**
Blast those aliens before they get the chance to land. Quite a nice and challenging game.
- 1409. The Conflict.**
A fascinating game with two levels of play. Very good graphics and action will make this a good addition to your game library.
- 1410. Space Dust.**
A very tricky two-player game like a space game of tag. For this you must have superb coordination and, of course, that's you.
- 1411. Starship.**
A command control text game mixed with graphics. Since you cannot see your target, your mind will have to work as your eyes.
- 1412. Lucky You.**
You can play against a friend or the computer in this match the blocks game. A very well done program that will test your memory. (99/4A only).
- 1413. Potshot.**
This game is interesting if quite slow. It is very good, however, for learning a sense of trajectory and ballistics since the bombs are moved by actual application of the laws of physics.
- 1414. Leapfrogger.**
Great graphics in this Frogger type game. Get to the other side or splat!
- 1415. The Prospector.**
Move around the field and find that hidden gold. Your detector will change tones to guide you. But watch out for those quicksand traps.

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- 1416. Astrobattle.**
A game for the game programmer. Now it may seem a bit dull but with a little work it could be another winner. A two-player game with potential for improvement.
- 1417. Hallways.**
It is most fascinating the way this adventure game creates three dimensional effect for you to wander through the maze of hallways. The graphics add much to the enjoyment.
- 1418. Pyramid.**
A text-only adventure game that challenges you to find your way out of the mysterious pyramid with all those things lurking about.
- 1419. Sweetspot.**
Get your target in the center of your sights and fire. Quickly! There is a time limit so you can't delay.
- 1420. Ski Weekend.**
A text-only game with a difference. it actually teaches you how to make sound decisions. You must earn \$160 during seven weeks and choose the right jobs despite many setbacks.
- 1421. Apollo Lander.**
A text-only game in which you must maneuver your space craft to make a safe landing on the Moon.
- 1422. Task Force.**
A text-only game in which you must give instructions to your task force to overcome the enemy.
- 1423. Boxing Match.**
A text-only game of a boxing match. This is quite realistically done.
- 1424. Alien Buster.**
This is a game similar to Breakout. It has good action and quite interesting graphics. It is nicely done to maintain player interest.
- 1425. Cave Adventure.**
A text-only adventure game which should occupy your off hours as you wander through the labyrinthine cave.
- 1426. Jousting.**
A text-only game that will send you back to the time of knights and chivalry. Bone up on the rules of the tournament and the joust.
- 1427. Meteor Rain.**
A short game with good action and good graphics. Defend your land from the destructive meteors that are falling all around.

1428. Space Flight Simulator.

This is much more than a game. It is a very complex and rather realistic orbiter rocket simulator. You really have to have a sound background in flight to appreciate this one.

1429. Stargate Mission.

Interesting graphics help make it more interesting as you must move across a space grid to enter the stargate safely, all the while maneuvering past the space mines before time runs out. Different levels of play.

1430. Word Dice.

You play with dice that have letters instead of numbers and use these to make words. You have a time limit and the more points you get the better you are. The graphics are very interesting and the speech really enhances this game.

1431. Art Auction.

A text-only game places you at an art auction. Bid wisely against other buyers. Then you have a chance to resell and make a handsome profit. Good to teach children a sense of monetary proportions.

1432. Farmer John.

A text-only game that is also a teaching tool on how to make decisions appropriate to situations beyond our control. The player must use common sense to determine many factors that are real to the farmer.

1433. World War I.

A text-only strategy game of great complexity and diversity. You will need good concentration and memory to win at this one.

1434. New Blackjack.

This all-new Blackjack game has it all with lots of speech comments that make you forget it's not really human. One or two players.

1435. Word-a-Gram.

This is an Extended Basic version of Wordsearch (1053) that allows you to print out word puzzles for all ages. It should be a great reinforcement tool for teachers in spelling. Very well done and it doesn't hurt to learn while just playing.

1436. Lost Dutchman's Gold.

This text-only game can take you so long to play that it has provisions for storing the game so that you can take up where you left off. This shaggy adventure takes you up into them thar hills in search of gold. A very complex, intriguing and novel adventure.

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1437. The Maze of Versailles.

This delightful game comes to us from a member in Switzerland. You are in the maze of the garden of Versailles and must get to King Louis before time runs out. Excellent graphics and action.

1438. Backgammon.

This is an entirely new Backgammon game that uses Extended Basic and speech. Two people can play or one can play against the computer. Has interesting graphics presentation of the board.

1439. Jaws.

Another good name for this one might be Bruce's Brother. It has good action with professional game quality graphics. You have to get those fish (and on occasional diver) but watch out for killer sponges and those nasty octopus appearances. If Jaws dies it sure happens in full living color.

1440. Space Monsters.

This one will keep you hopping. It has six kinds of monsters to fight off. The game advances through four levels of three skills on each level so if you're really good you get to see that last screen.

1441. Assignment 46.

Although this is a text-only game it is fascinating. You will soon forget the need for screen displays as you weave your way through this space adventure.

1442. Jumping Bean.

This delightfully simple game is lots of fun for all ages. You must tell Mr. Jumping Bean how high to jump so he can catch his food. All the while the computer keeps trying to outwit you.

1443. Dunk.

Wonderful graphics make this less final version of Hangman refreshing and fun. This time you don't end up hanged... just dunked in the water tank. It's so cute you just might want to get dunked.

1444. Deathball.

All you have to do is wipe out that demon with a little ball that you move around with your joysticks, That's all you have to do, so it should be sooo easy for everyone.

1445. Moneyman.

There are games that are fun; there are games that are challenging; there are games that are frustrating; there are games that are cute; there are games that are exhilarating with the anxiety they create; and, there are games with great graphics. And then there is Moneyman! Hours of playing this game for testing never lets us get to that final screen. It just gets more challenging as it goes and since the computer decides when you get a ladder on a random basis, you don't get much help. You must keep avoiding the rolling balls (which will increase in number as well as speed) and when the computer gives you a ladder, climb to the next level, etc. If you get to the top you earn a bonus. That's all we will say.

- 1446. Corral.**
An almost text-only game with limited graphics. You have to catch that wild bronco before your time is up. Rather interestingly done.
- 1447. The Hunter.**
Another winner for outstanding graphics and action. There you are in the woods and you hunt rabbits, ducks and deer. So what if they move in such unpredictable ways. Is that an excuse for missing?
- 1448. Cootie XB.**
This is an upgraded version of the ever popular Cootie (1183). If you have Extended Basic you'll enjoy this version too.
- 1449. Chomp.**
This is a multiscreen game with very good action. Just keep avoiding those Chompers and you'll get along just fine! It's quite a challenge.
- 1450. Paleolithic Hunter.**
The graphics in this game are fascinatingly different and unique. You must move from camp to camp in search of food and hunt it down. Each time you are given a choice of weapons. And all good stone-age hunters know exactly which one to choose.
- 1451. Nimble Sticks.**
This is a nice computer challenge game that is a cross between pick-up-sticks and Nim. Great for all ages and sure to give hours of fun.
- 1453. Monster Chase III.**
This is a version of Monster Chase (1162) which has been modified for use with joysticks.
- 1454. Tower of Babel.**
This is not a game in the strict sense but it is so much fun it may as well be. The program will translate any message into your choice of any of the following languages: Pig Latin, Jabberish, Drawkcab Hsilgne or Centaurean (to speak to ETs).
- 1455. The Drunken Sailor.**
Another of those simple games. A sailor has drunk too much and your job is to guide him safely back aboard his ship. The only problem is that the keyboard becomes a reflection of his fuzzy mind.
- 1456. Aim.**
Another great fast action game from a member in West Germany. It has good graphics and speed. This is an extremely challenging game that requires great skill in hand to eye coordination and rapid response, You are guarding a space station and yo must maneuver your ship fast enough to destroy the meteor that comes from nowhere.

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- 1457. Fire Alert.**
A random speed parachuting bomb is falling to Earth and your job is to destroy it before it lands. You have one problem though, your laser is very limited in its range so you can only fire when the bomb is quite close.
- 1458. Mawari.**
Play against the computer in this mind challenger. Random pawns are placed in piles and you must choose the proper ones to move in order to win. If you like chess or Othello this is the game for you.
- 1460. Fireflight.**
The theme may be familiar — rescue some stranded people from the top of a burning building by helicopter. The challenge comes when your ultra fast responses must handle a helicopter with a mind of its own.
- 1461. Madlib II.**
Like Madlib (1270) this gives you a hilarious test to read based on the nouns, adjectives, etc. that you supply. This time the program generates a report card.
- 1462. Basic Poker.**
Play poker now by computer with this very well done program. It has good graphics and is lots of fun.
- 1463. Chuck-a-Luck.**
Chuck-a-Luck, the dice game for high rollers with lots of money to throw away. Now make the TI-99/4A your casino so you can save money for something else.
- 1464. California Freeway.**
How is this game different from other Freeway games. How about 24 lanes for starters. Excellent graphics, very challenging.
- 1465. North Sea Action.**
You must guard the shipping lanes from the multitude of marauders plaguing your harbor. Destroy them all and you get more that move even faster. Excellent graphics and presentation. You need a good sense of space and distance for this one.
- 1466. Regatta.**
This will drive you bananas. It's a two-player game in which you sail in a race around three markers. The wind keeps changing to make it more interesting. This will really teach you good sailing techniques while you play. You can choose how often the wind will change and alter the difficulty level. A great program.
- 1467. Turtleraces.**
This is a non-participatory game with excellent graphics and layout. Great for little ones. The turtles race and each player picks his or her favorite. Then all they do is the cheering.

1468. Cryptoquote.

Do you like crosswords, anagrams, acrostics, and the like? Well here you go with this fascinating program. You must decode some famous sayings. The code is randomly generated to keep it interesting. Excellent presentation and layout.

1469. Left/Right.

Did you ever tell anyone that they didn't know their left from their right? Here's the program to prove it. Fascinating and deceptively simple. All you have to do is decide Left or Right.

1470. Hockey.

A text-only game that really gets you involved in the action. Written by one of our Canadian friends and they ought to know.

1471. Memory Jogger.

This text-only game doesn't need more. From several categories you may choose how you want to test your memory then find out just how good it really is. Great fun for everyone.

1472. Horserace.

An excellent and accurate graphic presentation of a horserace complete with music. You have seven horses to bet on and root for.

1473. Basketball.

A text-only game that is still quite fascinating to play. All the action is still there.

1474. Kaktus Kill.

The mad scientist, Dr. Zez, has turned cacti into mobile killers. It's up to you to zap them without getting hit or being attacked by Dr. Zez himself. There are different levels of difficulty and time limits set on each round. Interesting with good graphics.

1475. Indy 99.

This game is fast and seems impossible to beat. It has very good graphics and is very challenging. Try your response aptitude.

1476. Racing.

Another fast and hard to beat game. You may set your track length to see how far you can go before you get clobbered. Excellent graphics will add to the thrill.

1477. Alley Craps.

A well-done version of a craps game with very good graphics. Although, we don't know how the Alley version differs, we found it great fun.

1478. Tortoise and Hare.

This is a great game for the tiny tots. Uncomplicated but very entertaining and relaxing.

1479. Screaming Serpent.

This appears to be a rather simple game at the start but things change rapidly as you show your prowess. Simple graphics give you three snakes growing toward you. You have to keep shooting segments off to keep them away. If you succeed you start with four of them and in each round the distance between you grows shorter.

1480. Blind Maze.

What could be easier? Just find your way out of a maze that you can't see. The program is kind enough to let you give up and then turn the lights on for you.

1481. Roadrat.

Similar in concept to Chicken, this presents quite a challenge to the best. Help the blind rat across the freeway to his cheese. For every successful run you are rewarded with more cars at ever increasing speeds. Can you keep up with the pace?

1482. Space Scout.

This is a joystick version of Space Scout (1138). It was also cleaned up a bit so it takes up less memory and runs a bit faster.

1483. UFO.

Rather simple graphics will fool you. On your space journey, you are attacked by alien ships. You can only shoot at angles, however, so you need a good sense of timing. If you shoot them all, they reappear and do a kamikaze dive at you all at once. Only a hair-trigger response on the joystick can save you.

1484. The Catacombs.

A professional level game of the Dungeons and Dragons genre. The program comes with four data files to construct the many levels of required mazes, define characters, etc. Extremely well done to provide you with many hours of adventure entertainment while stimulating your mind. 1484/1 Catacomb Plotter: This program cannot be used alone. It is used to change the four data files for The Catacombs (1484) to create entirely new games of The Catacombs.

1485. Block Swap.

Like mindtwisters like the Rubik's Cube? Well here's a new one for you. You must move characters around to get them all back in proper order in the least number of moves. There are nine levels of difficulty to keep it even more interesting. Very well done. See Shufflesquare (1486).

1486. Shufflesquare.

When you graduate from Block Swap (1485) this one is waiting for you to make life even more complicated. This is a more difficult variation of Block Swap (1485) for the more courageous and strong-minded. Peace of mind is not guaranteed.

1487. Hanoi Towers.

A nicely written program variation of the Towers of Hanoi puzzle. Interestingly presented graphics make for enjoyment while you crack your head.

1488. Wordfinder.

This is not really a game but really something fascinating to watch. You can see just how smart your computer is. You create a grid of words like a crossword puzzle and then challenge the computer to find them. It does it every time.

1489. Frogsplat.

A new member of the Frogger family that will delight all. Made to be particularly difficult so the pro's won't be bored. Very well done with wonderful graphics.

1490. Galaxy.

Superb graphics make up for the lack of super speed in this game. Aliens traveling in ships with quite eccentric motion must be brought into your crosshairs to fire upon. Quite challenging.

1491. Bingo.

Very well done presentation and an unusual way to use the 99/4A. The computer will create up to six different Bingo cards for the players and then call the numbers. Fun for all.

1492. Sideway Slope.

Nice graphics and slick screen presentation enhance this ski game. You choose the time of the run and off you go. But watch out for all those rocks and trees.

1493. Charades.

A rather novel use of the computer. The computer chooses the category and title for each team and then starts the stopwatch for the players. Very nicely done program. DATA statements are used so you can change titles, etc, at any time.

1494. Solitaire.

High resolution graphics with fine detail and a marvelous screen presentation make for a superb game. Now you can play solitaire and let your computer do the work of moving the cards. One drawback, however, it won't let you peek and it keeps you honest.

1495. Super Awari.

A super version of this popular game. You play against the computer so you have to be sharp to win. Those who like this type of skill game will find it fascinating and challenging.

1498. Scuba.

Excellent graphics and action. You must dive to the bottom to retrieve three gold bars and bring them back up to the transporter which will then move you on to the next screen. Of course, you have to watch out for sharks, the octopus, giant hooks so you can stay healthy. And then there is that unpredictable orange fish.

1499. Golddigger.

You and your opponent race to tunnel for the gold deposits but you cannot see the dangerous tarpools waiting to trap you. Great fun and action on this game. Should be enjoyed by all ages.

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1501. Wheel of Fortune.

This game allows multiple players to have fun betting on the Wheel of Fortune. A very nicely done program with good graphics and sound.

1502. Chars d'Assaut.

This is a rather grandiose version of Tank which is all in French, which means that even the directions are in French. It is very versatile and allows you to customize your terrain or create new ones and even save them on tape for future recall. It's good enough to warrant your learning French.

1503. Lander III.

A very well written version of this popular game. Has very good graphics and is most enjoyable.

1504. Snafu.

Quite cleverly done and novel. This is a two-player game in which you and your opponent both try to paint each other into a corner. But make sure you don't paint yourself into the corner.

1505. Boggler.

This is an interesting game of skill in which you must capture five rows of your opponent's pebbles to win. It seems easy but really requires quite a bit of calculating strategy.

1506. Pegjump.

This is a wonderfully written computer version of the old pegjump boards everyone knows. Just keep jumping pegs and removing the jumped ones until there are no more left on the board. Excellent graphic presentation.

1507. Tunnel Vision.

Absolutely fantastic graphics. You are in a maze and must find your way out. And you see your position as if you actually were in the maze — all in 3-D. As you walk along the tunnels you see the openings and directions ahead of you. Several options are available to make it more and more difficult.

1508. Scavenger Hunt.

Beautiful graphics make this interesting board game all the more enjoyable. Travel around the board and within a given time limit you must find all the objects with your detector. Great for all age groups.

1509. Munch-Mite.

A rather simple game with great appeal. Two levels of difficulty make it more challenging. You are a termite and all you have to do is eat your way through the length of a board without hitting any knots. It's not that easy.

1510. Concentration II.

Three levels of difficulty here to challenge you. You can play against the computer or a friend. Just remember where everything is and match up the items. Excellent graphics and music.

1511. Mr. Kroaker.

Absolutely delightful graphics and concept. You are a bullfrog sitting on a lily pad trying to catch butterflies as you leap. Of course nothing is as simple as it seems. If you are not careful you might not land back on the pad so you lose time. Program even provides for use with a b/w TV set. Get it now.

1512. Magic Squares.

Remember those little plastic trays with numbered tiles in them that you played with by putting the numbers in order? Well, here is the computer version. The computer will give you from 10 to 500 scrambles to increase the difficulty. Two versions are provided; the one mentioned and the second in which you must line up the numbers so they all have the same total in each row.

1513. Rescue Mission.

Great graphics and a real challenge. You must travel from planet to planet picking up colonists and returning them to the mothership. While you do so robotoid bombs kamikaze at you and you must avoid and destroy them. (Donated by Texas Instruments).

1514. Texas Trucker.

You are a truck driver going through Texas trying to make a safe delivery. Watch out for potholes, armadillos, and all the other hazards. There are 99 levels of play. Very challenging. (Donated by Texas Instruments).

1515. In the Running.

This is a text-only game in which you attempt to run for president and use all of your skill to gain votes and do political maneuvers to win. A good way to learn how politicians think and deal.

1516. Electron.

This is a wonderful way to learn the basics of electrophysics while playing a game with up to four players. Based on the charge on a particle you must project a course for your beam to avoid the effects of negative and positive particles in your path.

1517. L Game.

This is a very polished and well presented Extended Basic version of the L Game. Excellent graphics and layout increase interest while you try to outwit the computer in this mindcracker.

1518. Eagle I.

If you liked Parsec you will love this one. Very fast action with three kinds of attackers coming at you. You will not tire of this one too readily. Great coordination and rapid response are needed if you hope to win.

1519. Black Box.

A very well done version of this intriguing game. Sharp reasoning ability is paramount in this mind puzzle. Great graphics and presentation. Should give hours of frustrating fun.

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1520. Air War.

This is an accompaniment to a game called Air War (it is unknown to us). It is used to define and create the playing pieces for the game. It is useless unless you have Air War. Note: Air War is not a Users' Group Library game and its source is unknown.

1521. Othello.

Extended Basic increases the speed of the game and makes life more interesting. If you now have Extended Basic, it is well worth it to get this version.

1522. Kwai Bridge.

A fun game with great graphics that can be a great learning tool for the young. You must use your intuition to build a bridge over the river Kwai with a limited amount of materials. When you finish the computer drives trucks across it to see just how strong you have made it. If you are a poor builder — crash!

1523.⁵ Bataille Navale.

The famous game of Naval Battle redone in French. Great either for native French speakers or students of French who want to "play" games in French to sharpen their language skills. A la bataille!

1524.⁵ Golf in French.

Very nice graphics do a lot to enhance this golf game done entirely in French. See above. Vous etes capable d'y jouer?

1525.⁵ Hangman.

An excellent Extended BASIC version of this popular game. You are given five different categories of choice and may use disk for storage of data.

1526.⁵ Stud Poker.

A two-player version of Stud Poker with all the options. Game has an excellent layout with superb graphics. If you like to play Stud Poker, then let the 99/4A be your dealer!

1527.⁵ Springfrosh.

A very well done version of a "Frogger" game from a member in West Germany. It may be played by one or two players and ranges through some twenty levels of difficulty. Excellent graphics. So Springt er hin und her und kommt, hoffentlich, gut nach Hause!

1528.⁵ Scrabble en Francais.

This is another excellent version of Scrabble either for speakers of French or students. Can be a great adjunct to vocabulary study while removing much of the boredom. Very nice layout and graphics. Est-ce que vous avez le mot juste?

1529.⁵ The Dice Table.

An excellent game for all of you "Craps" lovers. You may have up to four players. The program has superb graphics and music. In all, a very nice program.

1530.⁵ Carcasses & Cars Anew.

This is an all new version of this very popular game. It has successive screens with increasing levels of difficulty. If you have the original version of this game, you MUST add this one to your collection.

1531.⁵ Space Scout.

Here you go, an Extended BASIC version of this very popular game with all the added speech of running that Extended BASIC can give. Program has all the options for added flexibility.

1532.⁵ Batcave.

A novel use of sprites makes this game a delight for all age*, even the tiniest tots. It's that easy to operate (but not that easy to play!) You control a bat's flying motion through a cave and must catch flies but NOT the blue bugs. Great fun!

1533.⁵ Runes & Glyphs.

In this game you play against the computer and try to decipher the strange characters so you can get to the opposite corner of the board before the computer does. Several levels of difficulty. Very detailed instructions are built into the program.

1534.⁵ Copter Flight.

In the simulated cockpit of a defense helicopter, you must be a master of the quick maneuver to destroy the ships and missiles coming at you. The instrument panel is on screen for realism. How good a pilot are you??

1535.⁵ Snakes 'n Ladders*.

Fantastic graphics and effects in this game with many options. Up to four players may play. You must get to the top of the "board" before your opponents without getting swallowed by a snake. If you land on a ladder square you get a boost. Should provide hours of great entertainment. *THIS PUBLIC DOMAIN PROGRAM WAS DONATED TO THE USERS-GROUP LIBRARY BY TEXAS INSTRUMENTS.

1536.⁵ Snakes 'n Ladders*.

Same as above but slower because it runs through console BASIC. *THIS PUBLIC DOMAIN PROGRAM WAS DONATED TO THE USERS-GROUP LIBRARY BY TEXAS INSTRUMENTS.

1537.⁵ Tower of Doom.

An excellent fun game for children with a marvelously creative use of graphics and sprites. You, the handsome prince, must rescue the beautiful maiden who is locked in a tower while avoiding all sorts of traps. Watch out for that nasty witch who can pop up anywhere. More than a game-a graphic adventure!!

1538.⁵ Color Logic.

A mindbender, this one! Excellent graphics make this "logic" game all the more interesting. You play against the computer and try to guess its color combinations before it does yours. Funny how we people can win so seldom!

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1539.⁵ Easymaze.

A rather simple but fun game for two players. You must find your way out of a maze before your opponent. Of course, to make life more into-resting, you can always choose the INVISIBLE maze to use.

1540.⁵ Ping-Pong.

All this time we've had "Pong" but finally someone has come up with the good old "real thing." One or two players can have one or two paddles each. But at the third level of difficulty an army of paddles won't help if you are not really well coordinated.

1541.⁵ Monopoly.

A realistic reproduction of the board game by Parker Brothers. Buy property, collect rent. You must add this to your computer game collection. Do not pass GO, do not collect \$200!!

1542.⁵ Closeout!

In this action-packed game you will face off against crazed bargain hunters who try to shoot you to capture the closeout item you carry. Quite a game!

1543.⁵ Pilot.

This two player game challenges you to outfly your opponent.

1544.⁵ Hit and Run.

Try to drive to California before your insurance runs out.

1545.⁵ Adventure.

Updated version of #1279 changed for disk. Comes with data file.

1546.⁵ Simon II.

A great now graphic improvement on #1018.

1547.⁵ Circle.

Clear the grid of squares before the circles wipe you out. Much tougher than it sounds! Joysticks optional.

1548.⁵ Stadium Jumping.

At a simulated horse show, you must guide your horse over the obstacles with an few faults as possible. With three levels of difficulty, this game is much harder than it sounds!

1549.⁵ Speed Hangman.

With four levels of difficulty, this is the best Hangman yet!!

1550.⁵ Earth Defender.

Save the Earth from destruction by the enemy forces! Using a prototype ship, you will have to defend against wave after wave of attacking aliens. Great introduction graphics.

1531.⁵ Pacific Fleet.

Destroy the Japanese ships before you run out of torpedoes, and then withstand kamikaze attack — and not the ones with vodka!

1552.⁵ Cerberus.

From Switzerland comes this truly arcade quality game. By controlling the ship with either the arrow keys or joystick, you shoot the monsters to get to the treasure. FANTASTIC!

1553.⁵ Flight Simulator.

It's hard enough to land a plane, but when all instructions are in German? Great program! List the program for instructional REMs at beginning.

1554.⁵ Oregon Trail.

The object of this logic game is to get your wagon (circa 1847) and family of five from Missouri to Oregon. You will have to decide what to buy for the trip, how much to spend, etc. Hunting for food along the way is only part of the fun. A great game for the entire family.

1555.⁵ Attack.

You are on patrol when you realize your lasers are out of energy and you are under attack by the merciless Dodecahedions' Star Fleet. The only escape is by out-maneuvering. . . good luck!

1556.⁵ Bible Buzz.

An update of #1331 for Extended BASIC.

1557.⁵ Runway 180.

Try your skill at landing a 747. A very difficult program to master, yet will bring many hours of enjoyment. Be sure to watch out for the wind shears while landing!

1558.⁵ Challenge of Camelot.

Are you worthy of defending the Court of Camelot? One of the finest graphic presentations we have seen in console BASIC, this game can be played by all age groups.

1559.⁵ Jumping Jack.

Jump over cracks in the beams to earn the high score. Simple enough for a child to play, yet this program can bring hours of enjoyment for anyone playing it. A great BASIC program. Watch out, new cracks are constantly appearing!

1560.⁵ Mind Reader.

The Computer will read your mind for the answer to this number guessing game!

1561.⁵ Bombing Mission #1.

Increase your rank as you increase your skill. Piloting this helicopter is no easy task as you try to avoid being destroyed by enemy fire. A great game.

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1562.⁵ Seastrike.

A very intense program of Hunt and Destroy. This program comes complete with an instruction file and should be a challenge for the more experienced adventure-type game player. Listing not available.

1563.⁵ Wargames.

Play Global Thermonuclear War by firing missiles at targets you designate by latitude and longitude. Be careful not to hit your own city! Although this game could use some improvement it is a good starting point for Extended BASIC programs.

1564.⁵ Bluebeard's Defeat.

The battle of the high seas pits the Royal Navy and Bluebeard the Pirate in this two-player game. Maneuver your ship and go with the wind to defeat your opponent. Ahoy, matey!

1565.⁵ Color Squares.

Claim your territory in a battle of wits against the Computer. There are some rules to challenge you, so be on your toes! A very professional-looking program.

1566.⁵ Mines.

Nerve-wracking! Inch your way upward through the trees toward the blue base and safety. You are armed with a scanner designed to help guide you through the mine field.

1567.⁵ UFO Attack.

This is a really good action program in TI BASIC. Ten levels of difficulty make for a challenging game.

1568.⁵ Cannonball.

A two player game in which the object is to destroy the other player's home using a cannonball. Each players must instruct the computer in both degree of angle and force. A very well done BASIC program.

1569.⁵ New Connect Four.

An excellent BASIC version of this Milton Bradley game. Connect Four can be enjoyed by the entire family and is, designed as a two-player game. One of the better BASIC programs we have seen .

1570.⁵ Mr. Sneeze.

A graphic guessing game designed for preschool children. Mr. Sneeze is hiding behind one of the three doors on your screen. Guess where he is! Excellent graphics.

1571.⁵ Wall Street Crash.

An excellent game which can be played from the keyboard. Wall Street Crash is designed for the younger 99/4A owner and will consume more time than energy.

1572.⁵ Real Aggravation.

An interesting board game with lots of color. Should be played only by experienced game players. Many hours of brain-wracking enjoyment.

1573.⁵ Cavern Chopper.

In this relatively simple game, your mission is to fly vital supplies to your base deep within the earth. You must be careful not to touch sensors in the mine shaft walls and to not touch red explosive boxes.

1574.⁵ Spacezap.

A fast-moving Extended BASIC game which can be played by any member of the family. SpaceZap requires excellent hand-eye coordination and can be played for hours without reaching a boredom level.

1575.⁵ Mountain Encounter.

Although this game has relatively simple graphics and slow game play, it is extremely fun to play. You are the pilot of a jet ship trying to shoot down aliens before they reach your base.

1576.⁵ Beginners Duck.

A simpler version of John Phillip's game of Duck. It lets beginners learn this game before moving on to program #1345.

1577.⁵ Paratrooper Paranoia.

An extremely difficult BASIC game, Paratrooper Paranoia requires you to capture invading paratroopers while dodging bombs and mine fields.

3.2. Graphics and Demos

- 2100. Basic Demo.**
TI's annual report with vivid graphics. You'll learn a lot from this program.
- 2101. Christmas.**
Santa and his reindeer with a snow scene.
- 2102.¹ Fishin'.**
A boy at the old fishin' hole tries to land the big one.
- 2103. Flag.**
A brilliant American flag with some patriotic music.
- 2104. Haunted House.**
Witches and flying pumpkins come from the haunted house.
- 2105. Kaleidoscope.**
Creates a kaleidoscope of color on your screen.
- 2106. Job Cost.**
This is an excellent program to learn from. You build a fence and the program gives you the cost.
- 2107. Snoopy.**
A real favorite with the children. This program draws a picture of Snoopy on the screen and then plays a tune.
- 2108. Speech Demo.**
In this one, the TV and the screen argue as to who is the most important.
- 2109. Seahorse.**
A beautiful depiction of a seahorse and a great job of graphic programming.
- 2110. Pink Panther.**
As several pink panthers appear on your screen the theme music will play.
- 2111.¹ ITT**
The best part of this is the programming logic. Content is a demo of a hardware mfg.
- 2112. Fast Ship.**
Klingons destroy the Enterprise, then escape in this short but efficient program.
- 2113. Snoopy Christmas.**
The children will love Snoopy and his Christmas tree.

- 2114. Valentine.**
A valentine message for your sweetheart.
- 2115. Stars.**
Fills the screen with a myriad of stars. A mood program that is fun to watch.
- 2116. Love.**
Robert Indiana's art work in poster form. A great translation job.
- 2117. Multi-Maze.**
Changing colors and lines appear on your screen.
- 2118. Sine Wave.**
This abstract art program will do things on your screen you won't believe.
- 2119. Colorburst.**
Over 500-million combinations of colorful patterns that will bring hours of enjoyment to your 99/4 usage.
- 2120. Bunny.**
This program prints a pattern of the famous Playboy bunny.
- 2121. Patterns.**
Print on the screen your choice of vertical lines, horizontal lines, crossing lines, dots, or several screen colors.
- 2122. Playing Cards.**
Depicts all the regulation playing card in a deck.
- 2123.¹ RI Flag and Song.**
The Rhode Island State Flag and song.
- 2124.¹ WY Flag and Song.**
The Wyoming State Flag and song.
- 2125.¹ NM Flag.**
A great programming job on the New Mexico State Flag.
- 2126. Visions.**
Watch as your screen changes patterns for 40 minutes. A very interesting program.
- 2127. Ohio.**
The Ohio State flag. A beautiful depiction of this flag.

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- 2128. Indiana.**
Indiana's star-filled flag as programmed by one of our owners in the Hoosier state.
- 2129. Texas #1.**
Texas state flag.
- 2130.¹ Texas #2.**
Texas State Flag.
- 2131. Arithmagraphs.**
A very unusual program submitted by our English users-group. From various graphs displayed on the screen you must enter the arithmetic answer. A real mindbender.
- 2132. Colour.**
Another program from our friends across the Atlantic. The program generates a screen full of random colors and sounds.
- 2133.¹ New Jersey.**
The New Jersey state flag.
- 2133. Halloween.**
Watch as spirits of witches, pumpkins, black cats, bats, and other scary things fill your screen.
- 2134.¹ Oregon Flag.**
An excellent programming job and a top contender in a recent contest.
- 2135. Lower Case Letters.**
Display up to 14 large lower case letters on the screen. Can be used as a subprogram.
- 2136. Maze Maker.**
This program allows you to make your own mazes. You can define both color of screen and color of walls.
- 2137. Printed Mazes.**
Make your own printed mazes using an RS232 compatible printer. Select the size you want up to 21 x 21. Computer randomly generates a different maze each time.
- 2138.¹ Utah State Flag**
A very colorful depiction of the Utah state flag. You may be able to pick up some programming tricks here.
- 2139. Color Crayon.**
This program allows you to draw designs on the screen which you can save on disk. Very colorful. See Magic Pencil (2193).

- 2140. Very Large Letters.**
You can display up to 10 very large characters in two rows of five each. A good program for teaching pre-school children complete words.
- 2141. Safety.**
This excellent program graphically depicts hazards one might encounter in a plant. A must for all.
- 2142. Color Combination Display.**
This program will help you realize the true elasticity of TI graphics by showing you how to achieve various colors.
- 2143. Snoopy #2.**
Snoopy at the dog house with his friend Woodstock.
- 2144.¹ Colorado Flag.**
Flag of the great state of Colorado.
- 2145. Signs.**
Although there are a few bugs in this program, any experienced programmer can work it out, and it is still worth listing. Print your own signs using either a thermal or RS232 type printer.
- 2146. Kaleidoscope II.**
An all new program with ever changing colors and patterns. A truly beautiful program. You'll like this one.
- 2147.² Clemson.**
A block C.U. is made from tiger paw prints while "Hold That Tiger" plays in the background.
- 2148. Ticker-Tape.**
A slow but interesting program that places your messages in ticker tape style on the screen.
- 2149. Diamonds.**
Ever-changing shapes and colors fill your screen.
- 2150. Title Screen.**
A Basic reproduction of the Home Computer's title screen. Very interesting.
- 2151. Daniel.**
Graphics and reading from the Book of Daniel. An excellent program written as a demo for the missionary work of the Mormon Church.
- 2152. Memory Maze.**
An excellent maze game and one that is not easy to beat. Very good programming.

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- 2153. Calendar.**
Designed to work with Epson MX-80. This program will print a calendar for any year 1981 to 2000.
- 2154. Inkblot.**
This program prints random patterns on a printer like a psychiatrist's inkblot. A very interesting program.
- 2155. Christmas Screen.**
A great indoor Christmas scene with tree, fireplace, presents and toys. Very nice graphics.
- 2156. Frequency Test.**
Program plays up to 100 notes in ascending frequency to test your highest hearing level.
- 2157. Random Character Generator.**
Fills the screen with a random character, then gives you the 16-digit color code. Useful in graphic programming.
- 2158. Sprite Demo.**
Of several dozen sprite demos we have received, this one is by far the best. If you have friends who own other personal computers, show them this and gloat.
- 2159. Mother Goose.**
The best children's program we have. Listen as an animated Rocky Robot recites Mother Goose nursery rhymes. Excellent. Bestseller, E99 1:2:12.
- 2160. 3 Screen Demo.**
Three separate screens that demonstrate the graphics capabilities of the 99/4 in Basic.
- 2161. Robot Jokes.**
Our old friend Rocky Robot is back, and this time he is telling some of his robot jokes. This program by Sam Moore is hilarious, and can be enjoyed by the entire family.
- 2162.² AC/DC.**
A graphic record cover from the rock group's Back in the Black album.
- 2163. Mirrors.**
Watch as colored lines present a mirrored effect on your screen.
- 2164. TP Bargraph.**
Using this program, you are able to create depictive bargraph printouts using the TI Thermal Printer.

2165. Starfield.

This program is primarily designed as a programming aid, although it will run on its own. The program can be used as a screen background for space games. It will run in Basic or Extended Basic. Extended Basic adds some motion to the background.

2166. Speech Generation.

This program allows five different functions when used with the TE II. It allows you to try three test phrases, decode and display all allophones in a phrase, enter alphon by alphon, alphon date statement reader program, and singing.

2167. Caboose.

Tells the story of the little red caboose, and displays train, words, and Rocky Robot is the story teller.

2168. Kwik-Draw.

Creates multi-colored abstract designs. A little short on instructions, but great fun when you get the hang of it. Similar to the TI command module Video Graphs. This program is designed to run on the 99/4A only.

2169. Kaleidoscope.

This program produces brightly colored kaleidoscope patterns. A nice mood program. This program differs from other kaleidoscope programs listed.

2170.³ Birthday Greetings.

Good graphics of a birthday cake with message. Plays birthday song. Optional use of speech editor in Basic.

2171. Sprite Builder.

A marvelous program for building sprites easily and saving up to 100 of them in its data file. Can be recalled by number and changed. An excellent job of programming.

2172. Patterns.

You will be mesmerized by the constantly changing patterns. Might be described as eye candy.

2173.³ What's Your Pleasure?

A delightful potpourri of three programs in one. Two are moving graphics that are just for watching and the third is the old shell game. This is great for all ages.

2174. Scorpio's Castle.

A fantastic delight for all, this is a picture storybook of a charming fairy tale. Text is on the screen mixed with excellent full screen graphics. The little ones will be captivated.

2175. Easel.

An excellent graphics design program for use in developing material for your own programs.

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2176.³ Australian Flag and National Anthem.

Another fine contribution from "down under".

2177. TI Marquee.

With this program you can create different colored marquees with large customized letters on the screen. Can be adapted to use for making you own title screens in your program.

2178. Graphics Designer.

A fantastic program for game program writers. Has its own data file to store your special characters. You then can work with them to build a graphics screen for use in other programs. This is a real timesaver and a bargain.

2179. Night Before Christmas.

A beautiful presentation of speech is the recitation of this old Christmas favorite. You can read it on screen and little ones can hear it told to them.

2180. Color Crayon II.

A great new version of this favorite. Now has optional speech. If you have a disk drive and Extended Basic you should try it. Comes with 2180/D, its own data file of pre-made drawings.

2181. Spritedemo.

A great demonstration of the power and versatility of the 99/4A. In addition to the sprite display it has music. You can learn some great graphics programming tricks with this program.

2182.³ 99/4A Demo.

A great job shows off all the capabilities of your TI 99/4(A).

2183. Entropy.

A good graphics demonstrator of the principle of entropy. Good programming tricks can be learned with this one.

2186. Draw 'n Color.

With this program you can draw block graphics pictures on the screen and change things as often as you want.

2187. Game Demo I.

A stunning demonstration of the power and versatility of the 99/4A/s graphics. Great to use to create a game. A beautiful demo that can be made into a game simply by adding the action and scoring. A wonderful job.

2188. Chug-Chug.

Another astounding graphics demo of a train chugging along, replete with sounds and animation. Could be used in many other applications. Fascinating to watch.

- 2189. Globe.**
A hi-resolution bit graphics presentation of the world globe in a Mercator-like projection. Truly fine detailing.
- 2190. Doodles.**
Your doodling will draw all sorts of designs and shapes for you. Great for children on those rainy days.
- 2191. Colordraw.**
A simple version of Color Crayon that will give hours of pleasure and relaxing enjoyment at the console.
- 2192. Space Shuttle.**
This program utilizes the fantastic graphics capabilities of the 99/4A to make high resolution line drawings of the Space Shuttle from several views. It then gives you all the pertinent data.
- 2193. Magic Pencil.**
This program is like a hi-res color crayon. You can make multicolor line drawings on the screen. It even has some built-in samples of 3-D line drawings. A good partner to Color Crayon (2139).
- 2194. Character Designer.**
With this program you can design four characters at one time to see how they will make enlarged characters or magnified sprites. You can save your work on cassette for later use in other programs.
- 2195. Flags of Europe.**
A great program producing the flags of many European countries in sequence. A great learning tool with visual pleasure.
- 2196. The Name Dropper.**
A most useful graphics utility program. With it you can create attention getting screens that place any word or phrase in random places on the screen with your choice of colors. Easy to add to other programs.
- 2197. Hi-Res Plotter.**
A great program you can use to create high resolution plots. This is a very well done program.
- 2198. New York Fantasy.**
An unusual program of computer abstract graphics that takes you through the Big Apple. Fascinating to watch.
- 2199. Quickisprite.**
This is a sort of scratchpad to work on developing four characters in one block for sprites. As you create, the hex codes are generated on the screen for you. See Sprite Worksheet (2200).

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2200. Sprite Worksheet.

This is a much more thorough program than Quickisprite (2199). You can create sprites on the worksheet and keep changing the magnification factors at any time to see how the shapes will be affected. Your worksheet just about fills the screen. An excellent graphics tool.

2201. Country Racing.

Beautiful. An animated scene of a horse racing along a country road. As it continues the countryside changes and a realistic sound track keeps your interest.

2202.⁵ Eye Glitter.

A fascinating program of constantly changing patterns and colors. Unlike any other program we now have.

2203.⁵ Random Characters.

This is an Extended BASIC version of program #2157 with some improvements.

2204.⁵ Defender.

The graphics are fantastic and the movement smooth and fast. Here you have the beginnings of a marvelous game. All you have to do is add the movements and the scoring. In any case, superb programming!

2205.⁵ Time Tunnel.

Hypnotic color generator. Will really glue you to the screen!

2206.⁵ Graphics Program Generator.

The most professional sprite designer in our library. On-screen menu prompts throughout and the ability to merge data to your programs make this a must for your personal library.

2207.⁵ Alabama!

Draws the state outline and flag, then plays the state song.

2208.⁵ Mickey.

Celebrate Mickey Mouse's 50th birthday with this wonderfully-drawn picture — it even plays the theme song!

2210.⁵ Empire Strikes Back.

Excellent drawing from this George Lucas film. Watch out for the Imperial Forces!

2211.⁵ Enterprise.

Star Trek's beloved Enterprise flies through space.

2212.⁵ Hexy.

A BASIC hex-code generator.

2213.⁵ Demo II 99/4A.

A wonderful demonstration of the features of the 99/4(A) and its unique SPEECH capabilities. Most enjoyable to watch. You can learn a lot of good programming tricks in this one.

2214.⁵ Demo III.

Another fine demonstration program that shown off the versatility of your 99/4A. Use it to learn some interesting programing tricks.

2215.⁵ Graphic Artist.

An excellent program for anyone writing games or graphics programs. With it you can design characters or sprites, invert their images, have the computer make them symmetrical and even animate them. You list out the hex codes for any stored characters. A good investment for anyone interested in graphics.

2216.⁵ Loco-Sprite.

This little graphics program should be great fun for youngsters. It is really a rather sophisticated program from which those interested in programming could learn quite a bit. By simply typing in word commands you can make shapes, move them, change color, size and speed. "Big yellow fast spider down" puts just that on the screen.

2217.⁵ Greek Character Set.

Here is a full Greek character set that can be installed in any program. Someone has done all the work for you.

2218.⁵ La Belle France.

For all of you Francophiles here is a very nice program from a member in West Germany that gives you a superb graphics presentation of the map of France, its flag and the lyrics and music for the Marseillaise.

2219.⁵ Dessins et Musique.

Here is a delightful program that combines graphics with music. Screen prompts are all in French. It is like a combination of "Color Crayon" and "Sound Generator". Very nicely written. Bon programme pour les enfants quand il pleut!

2220.⁵ Electronic Weaver.

A truly unusual program that allows you to experiment with weaving patterns on the screen. You have a variety of shapes and colors to work with and you can keep on changing things around until you have the pattern to suit you.

2221.⁵ Canadian Flag.

A fine graphics presentation of the flag of our neighbors to the north. The maple leaf in all its glory.

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2222.⁵ **Space Shuttle.**

An outstanding graphics presentation of the Space Shuttle with a big difference. You have an actual optional blastoff!

2223.⁵ **Building Blocks I.**

Similar to Color Crayon but you have a large group of predefined shapes to use in creating your designs on screen. Very well done.

2224.⁵ **Building blocks II.**

An adjunct to #2223 but with different, larger and more complex predefined shapes to work with. Neither of these programs has provisions for saving your work.

2225.⁵ **Sprite Definition.**

Structured along the lines of TT's "Character Definition" program, this program allows you to define characters or sprites, test the different magnification factors and colors and store them on a disk file for later recall. A great time saver for graphics.

2226.⁵ **Grant.**

Graphically reproduces a family tartan and plays "Scotland the Brave". Very well done program.

2227.⁵ **Logos.**

This program depicts the corporate logos of IBM, Texas Instruments, Apple and Atari computer companies. Graphic programmers can learn a lot from this masterpiece.

2228.⁵ **Quilt Patch.**

This program will construct a five block wide by four block long quilt using one of 25 quilt patterns. Each block can have three colors.

2229.⁵ **Perceptual Puzzle.**

Some people see in this drawing a beautiful girl; other see a witch. "Which" do you see?

2230.⁵ **Jet Engine.**

This highly educational program graphically represents the workings of a jet engine. It takes its owner through each part of the engine assembly and explains the theory behind each section.

2231.⁵ **Extended Graphics Demo.**

Using the Bit-Map mode of Assembly Language, this program uses two Assembly subroutines to show a fantastic demonstration of the graphic capabilities of the 99/4A. IF YOU HAVE THE EQUIPMENT IT TAKES TO OPERATE THIS PROGRAM, IT IS AN ABSOLUTE MUST FOR YOUR LIBRARY

2232.⁵ **Northrop's P-20.**

This program depicts exact dimensions of the Northrop F-20 fighter jet. It gives detailed dimensions of height and wing span and offers a surprise rocket-firing demonstration. An excellent example of the graphics capability of the 99/4A.

2233.⁵ Bugs in the Gallery.

A great humorous graphics program. Watch as bugs infest an art gallery. Did she or didn't she? A wonderful program from Australia.

2234.⁵ 3-D Bar Graphs.

This product comes to us from one of our Italian members. It is designed to give a graphics representation of how the 99/4A can produce highly-colorful bar graphs. This program is a demonstration only, but by looking deeply into the programming technique, it could possibly be modified for use with other programs.

2235.⁵ Make-A-Face.

A BASIC program designed for the younger 99/4A user. Make-A-Face allows you to compose a face by selecting eyes, nose, mouth, and eyebrows. This should keep your pre-schooler busy for several hours.

2236.⁵ City.

An extremely good graphics representation of an inner city closing down for the night. Graphics from this program could also be useful in creating other programs.

2237.⁵ Strolling Through the Park.

Take a stroll to a catchy tune, but watch out for the runaways!

2238.⁵ Video Canvas.

This two-part program includes a BASIC construction file and Assembly language program which turns your 99/4A into an artist's canvas. The Bit-Map Mode routines in this program create some of the most spectacular artistic designs that can be produced with your Home Computer. IF YOU HAVE THE EQUIPMENT, THIS IS ANOTHER MUST FOR YOUR LIBRARY. NOTE: For the Assembly language program, use E/A option 3, Load and Run. (Filename) CANVASO, (Program name) START. Listing not available.

3.3. Music

- 3200. Godfather.**
Theme from the motion picture of the same name. Excellent graphics.
- 3201. Strauss.**
Tales from the Vienna Woods done in a classical fashion.
- 3202. Music Demo I.**
A snappy little tune and a great example of the musical capabilities of the 99/4.
- 3203. Bach #3 Minuet.**
Very enjoyable listening.
- 3204. Bach's Minuet in B Flat.**
The title tells it all.
- 3205. Rhythm.**
A great learning tool with colorful graphics. Guess the position and duration of notes and rests. Up to 10 persons can play.
- 3206.¹ Andante.**
This tune is easily recognized.
- 3207.¹ Fughetta.**
This G.F. Handel melody adds another classic to your list.
- 3208. America the Beautiful.**
Words and music to this song.
- 3209. Bach.**
Bach's Praeludim II. This program allows you to change the beat of this score. An excellent programming effort.
- 3210. M*A*S*H.**
The theme song from M*A*S*H.
- 3211. Musical Scale.**
This program sets up a limited keyboard that will display the notes on the screen as you play them.
- 3212. Musical Key.**
Allows the user to create melody and harmony using the keyboard.

- 3213. The Sting.**
Theme song from The Sting. One of our better musical programs.
- 3214.¹ Sweetheart.**
The all time favorite Let Me Call You Sweetheart.
- 3215. Bewitched.**
An enchanting musical standard by Rodgers and Hart.
- 3216. Intervals.**
High educational value. This musical skills training program teaches the different intervals in a musical scale. Instructions included.
- 3217. Music Demo #2.**
A boogie woogie tempo, computer original.
- 3218. Music Demo #3.**
A dainty music box type melody.
- 3219.¹ Sweetheart Tree.**
A stroll down the lane to the old sweetheart tree where we can carve our initials for all to see.
- 3220. Song.**
A simple question by the computer will give you an amusing answer and result.
- 3221. Yesterday.**
Paul McCartney's song, Yesterday, with a scenario and words on the screen. A great programming job.
- 3222.¹ Raindrops**
A good program for small children with some educational value.
- 3223. Never On Sunday.**
A fantastic programming job here. A time the entire family will enjoy.
- 3224. Theme from Dallas.**
A very well-written rendition of the music from this popular TV drama.
- 3225. Fiddler on the Roof.**
Programmed by two NC high school students. This medley of tunes is sure to please you.
- 3226. Fiddler on the Roof.**
This animated graphic program of the fiddler playing on the roof top contains some of the best graphic and music programming techniques we have seen. An outstanding program.

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- 3227.¹ My Elusive Dreams.**
While showing the various states that the song sings of graphically, the computer plays this hit songs of the 60s.
- 3228. Player Piano.**
Watch as the keys on the piano move in rhythm with two of the Beatles' hit songs. And I Love Her and I'll Get You.
- 3229. Bach Mini Concert.**
Several of JSB's better known works in one program. Many hours of effort and thought went into this program. Minuet in G Minor, Musette in D, and Little Prelude in F. See Mini Bach Concert (3303).
- 3230. Invention in F.**
By allowing the user to set the speed of play and volume, Bach's music becomes all the more interesting.
- 3231. Music Box Dancer.**
Another one of Charles Ehninger's master programming accomplishment. Turn your 99/4 into a wonderful music box.
- 3232. Organ.**
This program turns the keys of your console into an organ which will show you the notes you play. Includes C# through D.
- 3233. Penny Lane.**
The old John Lennon hit, Penny Lane, played by your 99/4.
- 3234.¹ Spagnoletto.**
This little duet comes to us from one of our users in England. A snappy little tune which you will enjoy.
- 3235.¹ Michael's Theme.**
Another theme submitted by one of our group in the United Kingdom. Very well done.
- 3236. Music Maker.**
By changing DATA statements you can produce your own music and watch it projected on a scale. Fun for hours.
- 3237. Star Trek.**
A very well written rendition of the theme song from the movie Star Trek.
- 3238. Christmas Music.**
Several of the all-time Christmas songs on one tape. A very good programming job.

- 3239. Alley Cat.**
Another hit song of the 60s.
- 3240.¹ Adventures of Ivan.**
A haunting melody is played by the 99/4.
- 3241.¹ Days of Christmas.**
Words and music to the Twelve Days of Christmas.
- 3241. Incredible Hulk.**
- 3242. Star Wars.**
Excellent theme music from the Star Wars movie.
- 3243. 12 Days of Christmas.**
Words and music to the 12 Days of Christmas.
- 3244.¹ Looking Through You.**
Another one of the John Lennon hits of the 60s.
- 3245. Sonata in C Major.**
Watch as notes fly across staffs on your screen while this snappy tune is playing.
- 3246. Album-Leaf.**
A great programming job on this Kirchner tune.
- 3247. Forest Roses.**
Roses, roses and more roses dance around the screen as the song Forest Roses plays in the background.
- 3248. Dog Gone Boogie-Woogie.**
A boogie-woogie version of Where, Oh Where Has My Little Dog Gone? An excellent program. See Dog Gone Boogie Woogie (3249).
- 3249. Dog Gone Boogie-Woogie.**
The same program as Dog Gone Boogie Woogie (3248) but with a few sprite surprises thrown in.
- 3250. Berceuse.**
Sprites move and change as this melody is played by your 99/4.
- 3251. Rainbow Connection.**
One of the wonderful songs from the Muppet Movie.
- 3252. Give a Little Whistle.**
A snappy little tune we are sure the entire family will enjoy.

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- 3253. Swinging Shepherd Blues.**
A memorable tune of the 60s played by your 99/4. An outstanding programming job.
- 3254. Bugle Boogie.**
Sprites defined as bugles dance across your screen as this tune is played.
- 3255. Witches Dance.**
E.A. MacDowell's Witches Dance comes to life when played by your 99/4.
- 3256. Beethoven's 5th.**
Ludwig at his best. Beautiful music played by the 99/4.
- 3257. In the Mill.**
Another of Sam Moore's classical musical renditions. A sheer delight to listen to.
- 3258. Killing Me Softly.**
An excellent rendition of the Roberta Flack hit of the 70s. Very impressive graphics. Words are included for a sing-a-long.
- 3259. Hark the Herald Angels.**
Words and music to this Christmas favorite.
- 3260. Guitar.**
Watch the guitar man play his tune in animated graphics.
- 3261.² With Love in my Heart.**
Based on Chopin's OP 10 #3, this light tune is brought to life by your 99/4.
- 3262. Moonlight.**
A great Sam Moore music program. Beethoven's OP 27, No. 2 Sonata Quas. Easy listening and great graphic effects.
- 3263. Time in a Bottle.**
A haunting melody programmed to perfection. 3-D graphics add a special touch to this wonderfully mellow tune.
- 3264. Amazing Grace.**
The old country church appears on your 99/4 screen as the ever popular hymn Amazing Grace plays in the background.
- 3265. You Light Up My Life.**
This smash hit made popular by Debbie Boone can now be played on the 99/4. A superb programming job.

- 3266. Bumble-Boogie.**
This jazzed version of Flight Of The Bumble Bee is a sheer delight. Great Basic programming by Sam Moore Jr.
- 3267. Stairway to Heaven.**
A Chuck Lyman program of Led Zeppelin's hit song.
- 3268.² Aquarius.**
The "Age of Aquarius" is played in flute-like notes, while colorful abstract designs are created in time to music.
- 3269. Morning.**
Morning Has Broken plays sweetly while sailboats grace your screen. Seagulls fly unhurriedly in cloud-graced skies, and the sun slowly rises. One of Sam Moore's best. Bestseller, E99 1:2:12.
- 3270. Music Terms Quiz.**
The computer will give you a music term and offer several choice for an answer. You must give the proper answer, and the computer will ask another.
- 3271. Prelude.**
A very dramatic test of the 99/4's ability to generate beautiful music.
- 3272. Op-23.**
A snappy little operetta performed on the 99/4 console which will thrill the entire family.
- 3273. Guitar Tuner.**
A simple program that will help you tune your guitar to perfection.
- 3274. Music Maker.**
Lets you compose and edit your own musical creations. It will store your masterpiece on tape for later replay. By modifying DIM statements, programs can be used with a disk system. An excellent program that all music lovers should have.
- 3275. Sound Generator.**
Your TI computer is capable of making an almost endless variety of special effect sounds. The purpose of this program is to help you find just the right sound for your special effect.
- 3276. Boogie Oogie Oogie.**
Another one of Sam Moore's musical programs with vivid graphics. This tune has a real upbeat tempo.
- 3277. Beethoven's 9th Symphony.**
The haunting melody of Beethoven's 9th Symphony is brought to life by your 99/4.

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- 3278. Bunny Music.**
A pretty bunny is displayed while a simple tune plays.
- 3279.² Waltz.**
Plays beautiful waltz to the tempo you select.
- 3280. Instrument Tuner.**
An electronic tuning fork for precise instrument tuning. An excellent program for beginners.
- 3281. Three Kings.**
Fantastic job of graphics and music for this Christmas carol. As the music plays the three kings approach the manger and the Star of Bethlehem lights up the sky.
- 3282.³ Anchors Aweigh.**
Music only for this old tune.
- 3283.³ The Happy Farmer.**
Another delightful addition to our library.
- 3284. Fugue by Handel.**
A marvelous use of sprites and graphics in this classical composition rendered by a Users-Group member in Germany.
- 3285. Bach Recital.**
Computer rendition of a famous organ work of Bach. Well done program.
- 3286. Yellow Rose of Texas.**
A lively rendition of this famous song with graphics on the screen.
- 3287. Play/Type.**
An interactive music program. While you type on the keyboard you generate notes and create music.
- 3288. Just The Way You Are.**
Another gem from the talented Sam Moore. Excellent graphics go with the words and music to this song. A great programming job.
- 3289. Syrinx.**
Sprites in action and an eerie rendition of this haunting composition by Debussy.
- 3290.³ My Country Tis Of Thee.**
A stirring rendition of this patriotic favorite, whether it be the United States, England, or Switzerland.

- 3291. Frere Jacques.**
An interesting musical version of this traditional song.
- 3292. Happy Birthday.**
A musical delivery of this accompanied by birthday graphics. Hey! Who blew out the candles?
- 3293. Old MacDonald.**
Sing along with this old children's favorite and get the party moving along.
- 3294. Pop Goes the Weasel.**
This weasel pops in an interesting way as the 99/4 plays along.
- 3295. Yankee Doodle Dandy.**
Limited graphics help stir you up as you sing along with this rousing song.
- 3296. Guantanamera.**
A charming rendition of this 60s favorite. Delightful graphics.
- 3297. Rock Around the Clock.**
The 99/4 helps you revive the Twist with this one.
- 3298. The Music Creator.**
A wonderful program to create, play, store and recall your own musical compositions. Kids will love it — grownups too. Good graphics help interest level. See how easy it is with this one.
- 3299. O Come All Ye Faithful.**
A great programming job on this beloved Christmas hymn. Good graphics make it all the more enjoyable.
- 3300. A-Hunting We Will Go.**
Go on a foxhunt and sing along with this old favorite.
- 3301. Joy to the World.**
Excellent graphics enhance the beauty of this great Christmas hymn.
- 3302. The Popcorn Man.**
A lively rendition of this one on the 99/4(A).
- 3303. Mini Bach Concert.**
An Extended Basic version of Bach Mini Concert (3229) now allows you to have it on disk too.
- 3304. Jingle Bells.**
A beautiful Christmas tree complete with blinking lights and ornaments complement this spritely Christmas song.

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- 3305. Ziggy's Christmas.**
As Ziggy watches in awe, the snow falls softly and we are entertained with Deck The Halls.
- 3306. My Hungry Heart.**
An interesting presentation of this popular song.
- 3307. Prelude in G Minor.**
An enjoyable rendition of this work by Chopin.
- 3308. Polonaise in G Minor.**
Another pleasant presentation of this classical work of Chopin.
- 3309. Across the Field.**
A snappy version of OSU's rousing school song.
- 3310. Viola Concerto in G.**
A charming program of the 4th movement of this work of Telemann.
- 3311. Violin Tuner.**
An excellent program for tuning a violin. Well-written and clear. Fine graphics make it easier to understand.
- 3312. Color Bars.**
An interesting program of the Alphabet Song to help teach the little ones the alphabet while building a picture. Will maintain a high interest level.
- 3313. Music Worksheet.**
An excellent program for the music student. Notes are displayed on the screen staff to produce chords. You can play as you create and change tempo or erase.
- 3314. Vibrato Organ.**
This program transforms your keyboard into a vibrato organ. Should provide hours of fun for all.
- 3315. Christmas Collection.**
A welcome addition to any library, this collection of Christmas songs with graphics should give many hours of pleasure to the family.
- 3316. Scales.**
This program will generate all the different musical scales and then play them for you. Very useful for the music student.
- 3317. The Coventry Carol.**
A delightful 99/4A rendition of this traditional folk carol.

- 3318. Red River Valley.**
This old goodie has both the words and music to encourage you to join in a sing-along.
- 3319. Twinkle, Twinkle Little Star.**
Another familiar beauty with words and music. It's time to teach it to the baby.
- 3320. Adeste Fideles.**
For you traditionalists, not only do you get words and music, you get both English and Latin.
- 3321. 12 Days of Christmas.**
Absolutely charming presentation of the song with grand graphics. And since the computer is doing it, it also keeps a running count of all those nice things your true love gave to you.
- 3322. Sound Effects.**
A good collection of sound effects you can use in other programs. They include ambulance, siren, telephone, gunshots, alert alarm, and a typewriter.
- 3323. My Old Kentucky Home.**
This is delightful with music and graphics. You are treated to a steamboat whistling and finish with the beginning of the Derby.
- 3324. The Christmas Carol.**
A very good rendition of the familiar carol is dressed up with some nice graphics.
- 3325. Computer Christmas Card.**
A wonderful job of programming. It has everything to delight you. A Christmas scene of the decorated tree with blinking lights, snow falls gently through the window and a cheery fire dances in the fireplace. With this, you get a mini-concert of Christmas songs.
- 3326. Has Anybody Seen My Gal.**
Lyrics and music to that old favorite about 5 ft. 2 gives you an instant sing-along.
- 3327. Sarabande by Handel.**
You get two compositions with the program. Both the Sarabande and Handel's Jolly Blacksmith are included.
- 3328. The Incredible Hulk.**
Who remembers him? Well, here is the theme song and a good graphics title screen to go with it.

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3329. The Piano Composer.

This is a music composition program that is so complete that it borders on the complex. Screen instructions are a bit unclear but not impossible to understand. Otherwise, it is a gem. You can compose music with notes or chords by the touch of one key. Easy changes of tempo and duration can be made during composition. Then there is an edit mode where you are presented with your composition note by note, with the note values to edit as you wish. You can then store your work on cassette for later recall. A great program for the music student.

3330. Row, Row, Row Your Boat.

A charming program with delightful graphics and sprites make this old round great fun. Gather the family around the 99/4 and sing together for an evening's fun. Who's making the popcorn?

3331. TXU Song.

A rousing version of the University of Texas theme song and a good graphics presentation of the school mascot will delight you.

3332. Arthur's Theme.

A simple but interesting rendition of this song on the Home Computer.

3333. Chariots of Fire.

The theme song from this popular movie is enhanced by a fine, high-resolution graphics screen of the Olympic torch.

3334. The High and the Mighty.

A nice version of this popular theme song from the movie of the same name.

3335. Church Concert.

A mixture of semi-classical and reverential music in a mini concert form. Delightful.

3336. Jam Session.

A barrel of fun for all ages. While the computer plays a harmonic jazz line non-stop, you press one key at a time to make a jazzy melody. Impossible to hit sour notes. Take off on a riff and have a toe-tapping ball.

3337. Beatles Collection.

It's about time for the young generation to become acquainted with the "old classics" like Michelle and Yesterday so they can say they know the old songs their parents know. Well done.

3338. The Entertainer.

A flashing multi-colored screen adds effect to this well-done rendition of the Scott Joplin favorite.

3339. Greensleeves.

An old classic now on the 99/4A computer. Sit back and relax.

- 3340. Hill Street Blues Theme.**
Excellent graphics of a police car greatly enhance this program that presents us with the theme song of the award-winning show.
- 3341. Musi-Key.**
Another very good program for you budding computer composers out there. You can create your music, edit it, and then save it on cassette tape for future replay of editing. Well written.
- 3342. Puff the Magic Dragon.**
This will delight the children. Lyrics are printed on screen so they can sing along.
- 3343. Frosty the Snowman.**
There's Frosty walking along in the snowstorm while his song keeps playing to cheer him along.
- 3344. Two Note Melody.**
Many former piano students will recall this composition of Schumann as a piece they practiced with. Now enjoy it without hassle.
- 3345. Constante.**
A well-done version of this romantic song by Heitor Villa-Lobos. Nice to listen to with someone.
- 3346. Country Dance.**
A charming rendition of Beethoven's Country Dance with some very interesting graphics.
- 3347. Silver and Gold.**
Limited graphics enhance this pleasing version of this song.
- 3348. Songs of Texas.**
Here you have a full medley of many Texas favorites including Deep In The Heart Of, Yellow Rose Of, and the Eyes Of Texas.
- 3349. Duelin' Banjos.**
A good computer rendition of this spritely country folk tune.
- 3350. Home in Dreams.**
This song is nostalgic and beautiful but the Oh's will come when you see the superb graphics of the special alphabetic character set the author has designed. It looks like stitchery.
- 3351. Kojo No Tsuki.**
This is a fantastic rendering of this classic Japanese folk song, known in English as Moon Over The Castle Ruins. A shakuhachi (flute) is recreated very well and the graphics are charming. Great job.
- 3352. Nadia's Theme.**
A very nice TI Home Computer version of this song.

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- 3353. America II.**
A charming rendition of America The Beautiful with some very nice graphics to dress it up.
- 3354. Heart.**
This version of Only Love Can Break Your Heart is well done and dressed up with charming graphics and sprites.
- 3355. Mozart.**
A very well done program with a plus. While the minuet from the Linz symphony is playing, you are presented with a short but rather complete biography of Mozart. Great for music students.
- 3356. Iowa Fight Song.**
That's it — the Iowa Fight Song. Need we say more?
- 3357. What a Friend in Jesus.**
A stirring rendition of this favorite hymn comes complete with the lyrics.
- 3358. Mozart — Rondo a la Turca.**
Another brilliant programming job by Sam Moore. Add it to your collection quick.
- 3359. Foggy Mountain Breakdown.**
This peppy country music will set your toes to tapping. Very nice program.
- 3360. Satie — Gymnopedie #3.**
Soothing, relaxing, refreshing. Put up your feet, close your eyes and let this massage your mind.
- 3361. Scarlatti — Sonata #352.**
Difficult enough on the harpsichord but ultra easy for the 99/4. A beautiful programming job.
- 3362. Close Encounters.**
Music has limited graphics enhancement. Now you can listen to that 5-note strain at any time.
- 3363. Have a Holly Jolly Christmas.**
Here's one to add to your Christmas collection. Lyrics are shown on the screen so that everyone can sing along.
- 3364. Hornpipe by Purcell.**
A double header from Baroque to Modern. After you listen to this Purcell Hornpipe you are presented with a lovely waltz by Shostakovitch.
- 3365. Rudolph II.**
A bouncy rendition of this Christmas favorite with on-screen lyrics for sing-alongs.
- 3366. Fifty-Ninth Street Bridge.**
A Simon and Garfunkel favorite now on the TI-99/4 for a bit of nostalgia of the 60s and 70s.

- 3367. Ringo's Theme.**
A Beatles' song for your enjoyment. Nicely done version.
- 3368. Bach Toccata Fugue.**
A beautiful rendition of this composition for you lovers of the classics.
- 3369. Take Five.**
You jazz lovers will appreciate this great computer version of a jazz classic.
- 3370. Adelita de Tarrega.**
A beautiful version of this charming and delightful song.
- 3371. Lagrima.**
Another beautiful song by Tarrega for your listening pleasure.
- 3372. Romance de Castilla.**
When you hear it you will recognize it immediately. Beautifully done with sprites of moving castles dancing in time to the music.
- 3373. Transposition Tables.**
A very useful tool for music students. With the help of the TI computer it is now very easy to transpose music from one key to another.
- 3374. Little Drummer Boy.**
Another Christmas classic for you with lyrics on the screen.
- 3375. Hello/Goodbye.**
The well remembered song of the days of the Beatles. Do your children know who the Beatles were? They can sing along with you on this one.
- 3376. Hey Jude.**
Now guess who wrote this one. You can sing along in case you have forgotten the lyrics.
- 3377. You've Got to Hide Your Love.**
Another great Beatles classic with lyrics provided.
- 3378. Let It Be.**
Guess whose?
- 3379. Sleigh Ride.**
Sing along at Christmas time with this spirited version of a Christmas favorite.
- 3380. Let It Snow.**
A charming Christmas favorite that everyone will enjoy singing.

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- 3381. King William's March.**
A rousing rendition of this 18th Century march. Hut, Two, Three, Four!
- 3382. Rockin' Around the Christmas Tree.**
When you buy this bouncin' song, pretend it's new to you. After all, you don't want to be dated.
- 3383. The Christmas Song.**
This is one of those songs that people lose contests on. You can sing along with the lyrics on-screen and then you'll say, Oh, That's Chestnuts Roasting On An Open Fire.
- 3384. Venetian Boat Song.**
A remarkable job of fantastic graphics and music from Sam Moore. Add it to your collection fast. Donated by Texas Instruments.
- 3385. Computorgan.**
Sam Moore makes a realistic picture of the TI computer system replete with the famous title screen. All this is set to a bouncy delivery of Boogie-Woogie. Donated by Texas Instruments.
- 3386. TI-Organ.**
Mr. Moore has just about outdone himself here. After a detailed picture of an animated pipe organ, he gives us a real organ to play ourselves. We get a choice of organ voice, organ with automatic harmony or harpsichord. All we do is push the number keys. Why? Because we get about 10 songs to choose from with the fingering right on the screen. This will be much in demand so get yours early. Everyone will love it. Donated by Texas Instruments.
- 3387. Puppytown.**
And yet another charming chuckle from the inventive Mr. Moore. Watch those puppies scurrying along in front of the saloon. The music is a delight. Donated by Texas Instruments.
- 3388. Rocky Robot's Boogie.**
For all you Rocky Robot fans. Rocky takes off time from teaching to trip the light fantastic with a buddy of his. Donated by Texas Instruments.
- 3389. Venus Night Ride.**
A pinnacle in graphics and original music composition from Sam Moore. A sci-fi wonder of graphics with tantalizing music. Donated by Texas Instruments.
- 3390. Western Boogie.**
The sheriff won't let that varmint get away. Watch those bullets fly and listen to the toe-tapping boogie stomp. Donated by Texas Instruments.
- 3391. Double Eagle Rag.**
Good graphics of a guitar player strumming this lively ragtime version of that famous march Under The Double Eagle.

- 3392. Iowa State Song.**
Excellent graphics of the Iowa State flag. You hear the state song and have the lyrics on screen just in case you are in the mood for some singing.
- 3393. Wenn Ich Ein Vöeglein Waer.**
A stunning M.C. Escher tapestry changes constantly as this delightful German folk song is played. Worth having just for the graphics alone.
- 3394. Deep Purple.**
For us oldsters who remember music without screeches and noises. This should bring back some fond memories.
- 3395. Stardust.**
Three voice harmony makes this all-time classic a joy to listen to. Here's your chance to let the younger ones hear what real music is.
- 3396. It Is Well With My Soul.**
An inspiring computer version of this moving hymn.
- 3397. Be Still My Soul.**
Another hymn to help you when you may be feeling down. Listen and take a quiet moment for reflection.
- 3398. Ivory Palaces.**
For the hymn collector, here is another to add to your collection.
- 3399. Jesus Loves Me.**
Another beautiful hymn of inspiration for your listening pleasure.
- 3400.⁵ Fame.**
You've watched it on television and now you can sing it on "television". The music is there and so are the lyrics. So DO it!
- 3401.⁵ Organola.**
Not just another one, of those run-of-the-mill breakfast cereals, this one has a magic screen and plays three songs: Yankee Doodle, Small World and Close Encounters. What's the magic? We're not telling!
- 3402.⁵ What I Did For Love.**
This beautiful song from "Chorus Line" is now yours with the lyrics on screen for singalongs.
- 3403.⁵ Computer Metronome.**
An ingenious little program for music students. The computer turns into a metronome. You make a choice of tempo and can even create custom time signatures.

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3404.⁵ Solfeggietto.

Certainly difficult enough to play this C.P.E. Bach composition on an instrument, transferring it to the computer was a real challenge — but here, you have a stunningly beautiful version. Choice!

3405.⁵ Please Help Me I'm Falling.

Another great Beatles classic with lyrics provided.

3406.⁵ Hard Day's Night.

Guess whose? And with the lyrics, too!

3407.⁵ Ob-la-di, Ob-la-da.

A John Lennon song that many should remember. If you forgot the words, here they are on the screen for you.

3408.⁵ Peace in the Valley.

Another hymn with lyrics for the whole family to enjoy!

3409.⁵ Minuet by Mozart.

Sometimes better known as "In An 18th Century Garden". A nice bit of Mozartiana for your classics collection.

3410.⁵ House of the Rising Sun.

From one of our Australian members comes this absolutely beautiful computer version of this song. A collector's must!

3411.⁵ Christmas Collection.

A welcome addition to any library, this collection of Christmas songs with graphics should give many hours of pleasure to the family.

3412.⁵ Haydn Sonata #2.

A masterfully-written version of this classical work that should give you many hours of enjoyment. See #3425 for disk version.

3413.⁵ Down by the Riverside.

An absolute delight. Excellent animated graphics with the music making it all come to life. The fish are jumping in the moving stream and lots of other things are going on.

3414.⁵ Fiddler.

This is a rewrite of #3225 that uses less memory so it can run on the 99/4A.

3415.⁵ Violin Master.

A fantastic program if only for the superb use of graphics. It is also an excellent tool for violin students. It shows fingering, scales in different keys and gives you a metronome for practice.

- 3416.⁵ Rally Song Medley.**
Three songs for you, My Country Tis of Thee, Grand Old Flag, and the Michigan Fight Song.
- 3417.⁵ Hey Paula.**
You get this popular song and a beautiful screen rainbow.
- 3418.⁵ Schumann Choral.**
A delightful rendition of this masterwork.
- 3419.⁵ Feels So Good.**
Nice music with a charming use of sprites to delight your eyes.
- 3420.⁵ Follow Jesus.**
A nice hymn to put you in a meditative mood.
- 3421.⁵ No Matter What I Love You.**
A devotional hymn to warm your heart and spirit.
- 3422.⁵ Patriotic Medley.**
Yankee Doodle, Tis of Thee, and the Star Spangled Banner all played under the American flag.
- 3423.⁵ Netherlands.**
An interesting and innovative rendition of this song. Sounds just like a calliope.
- 3424.⁵ Fiddler.**
An Extended BASIC version of #3414 for storage on disk.
- 3425.⁵ Haydn Sonata #2.**
An Extended BASIC version of #3412 for storage on disk,
- 3426.⁵ Beethoven Variations*.**
A Sam Moore wonder of a player piano (the keys actually move!) playing Beethoven's Variations on a Theme. A must for your collection. THIS PUBLIC DOMAIN PROGRAM WAS DONATED TO THE USERS-GROUP BY TEXAS INSTRUMENTS.
- 3427.⁵ Greatest American Hero.**
Theme song from the popular television show, The Greatest American Hero.
- 3428.⁵ Yesterday.**
Now this updated version of #3221 plays faster and is executed from Extended BASIC. Can be ordered on tape or disk.
- 3429.⁵ La Violetera.**
A beautiful Spanish melody complete with Spanish lyrics.

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3430.⁵ Glendy Burk.

The Glendy Burk, a river song, presented here with words and graphics. Another wonderful program submitted by J. Stephen Foster.

3431.⁵ Three Blind Mice.

A great rendition of this childhood favorite as sung by your home computer.

3432.⁵ Greensleeves.

An excellent graphic and musical rendition of this old standard. Watch as a sailboat drifts gently in the breeze as you relax under an old oak tree.

3433.⁵ Alla Turca.

One of Mozart's masterpieces can now be played on your 99/4A. An excellent programming job on this snappy little number.

3434.⁵ Sound Effects.

You can enjoy the sixteen different sounds found in this program by entering your choice from the menu. You might also like to use them in your own programs. If you list the program you will find them clearly marked with REM statements.

3435.⁵ Down by the Riverside.

Although the graphics in this program could be improved upon, it is still quite enjoyable.

3436.⁵ Hey Bulldog.

An upbeat, boogie-woogie song which can be adjusted in playing speed to your own liking.

3437.⁵ It's a Small World.

This song, made famous by Walt Disney World, sounds great on your home computer.

3438.⁵ Fugue #2 in C minor.

Another classical masterpiece from J.S. Bach and J. Stephan Foster. This one is from "The Well-Tampered Clavier".

3439.⁵ Programmable Piano.

Compose your own tunes with this nice program. Determine the number of notes, tempo, and each note. You can then see your notes on screen or list them to a printer.

3440.⁵ I Can See Clearly Now.

This will bring back some nostalgic memories for some. A lovely melodic rendition of this pop classic.

3441.⁵ Delta Dawn.

Your foot will tap automatically to this 99/4A version of Helen Reddy's pop hit.

3442.⁵ Humpty Dumpty.

Learn to identify Humpty's piano notes before he travels across the grand staff, bumps into the wall and cracks. If you guess wrong the correct note is played, the musical tone heard, and you can study before you continue. This is a definite must for the beginning music student!

3443.⁵ Key Signatures.

This is an excellent drill and practice lesson for more advanced music students. You must view key signatures and identify them for both major and minor keys. Very useful.

3444.⁵ Proud Mary.

Ike and Tina Turner's smash hit is heard acapella on your 99/4A.

3445.⁵ Close To You.

The 99/4A's rendition of this Carpenter's pop hit will be a nice addition to your music library.

3.4. Education

4300. Clock.

You'll have to see this program to believe it. It turns your 99/4 into a digital clock. The display is in the center of the screen in easy-to-read 4" numbers.

4301. Color Crayon.

Draw your own creations on the screen and then save them on tape for future use.

4302. Vocabulary Test.

A great program for the high school or college student, which asks you to define words, meanings.

4303. Time Clock.

Pre-school lesson in telling time.

4304. Sigma.

This program adds all integers from a minimum to a maximum number.

4305. Addition Test.

Elementary level addition math test.

4306. Calendar.

A calendar for any year, by month, for your 99/4 terminal.

4307. Large Characters.

A programming aid that enlarges the screen print. Great for programming children's games.

4308.¹ Flags.

Learn the flags of 10 different nations with this delightful educational program.

4309. Math Test.

Great for all ages. You will add, subtract, divide and multiply with the best of them after using this test. See Math Test (4310).

4310. Math Test.

The same as Math Test (4309) but written to run without speech.

4311. File.

Several math problems and graphic plots all in one program.

4312. German.

Using DATA statements, program your 99/4 to translate and teach you German.

4313. Morse Code.

Learn Morse code the easy way with your 99/4. The ideal program for the boy scout in the house.

- 4314. Spanish Translator.**
By the use of DATA statements translate Spanish to English. A great learning tool.
- 4315. Tense.**
One of our most enjoyable programs. Learn the past tense of many words as they come up in ridiculous sentences on your screen. A must for school age children.
- 4316. Triangle.**
Find out what the degrees of all sides are.
- 4317. Biorhythms.**
We think this is the best of several biorhythms we have received.
- 4318. Alpha.**
A simple program that is good for pre-school children.
- 4319. Color Math.**
This elementary and secondary school math test is fantastic. A great learning tool.
- 4320.¹ Fractions.**
Adds, subtracts, multiplies, and divides decimals and converts numbers to fractions.
- 4320. Alphanumeric.**
Dancing sprites amuse while children can learn the alphabet and numbers. A good program with good stimulation.
- 4321. Grading System.**
This program is a must for teachers. Based on three elements, find a student's or the class's average grades.
- 4322. Spell.**
One of the better educational programs. The object is to make as long a word as possible with the letters the computer generates.
- 4323. Wordtotal.**
A great educational game. The computer picks a target number and you must think of a word that can reach the total. Up to four players.
- 4324. Trade.**
A program that allows the user to track players on trading cards. You can then store and retrieve this information.
- 4325.¹ Day.**
Find the day of the week that any day in any year after 1725 falls on by using this program.

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- 4326. Biorhythms.**
Using the TI Thermal Printer you can get a printout of your daily biorhythms.
- 4327. Precious Metals Conversion.**
By setting the fix price on precious metals find out what your gold and silver coins are worth on a daily basis.
- 4328. Time and Speed.**
This is a time and speed test which will sharpen your math and reasoning skills.
- 4329. Least Square.**
This program will correlate four curves.
- 4330. Resistor Test.**
This fantastic program tests the user's knowledge of the color codes and resistors. A very well thought out program of real educational value.
- 4331.¹ Confirmation Exercise.**
A unique program written as a confirmation exercise for the Episcopal Church.
- 4332. Bible Books.**
This program tests your ability to name the books of the Old and New Testament in exact order.
- 4333. Career File Index.**
This program lists several career opportunities and lists things like salary range, advantages, disadvantages, travel, etc. An excellent program for high school career counseling.
- 4334. Presidents II.**
This program tests your ability to name all the presidents of the US in order of term of office. Other information on each President is also available.
- 4335. Capitols.**
This program tests your knowledge of the capitol cities of all 50 states. You start with 100 points and lose 1 point for each incorrect answer. An excellent answer.
- 4336. States.**
From the computer menu, select information on states, including alphabetical order, capitols, largest city, and popular names. Check large DIM statements for memory full errors on the 99/4A. See States (4449).
- 4337. Lower Case Convert.**
A great program for the pre-school child. The computer shows you a lower case letter on the screen and the student must type in the same letter from the keyboard.

- 4338. Word Game 22.**
this program is aimed at building your word power. Pick the number of words and difficulty level. The computer rates your performance. Program is high school and college level.
- 4339.² Name and Number.**
This program will give you numeric equivalence of the letters in any game or word.
- 4340. Math Tutor.**
A math practice drill with your choice of addition, subtraction, multiplication, or division. It allows you to enter upper and lower number limits. An excellent program.
- 4341. First Addition.**
An excellent program for the pre-schooler. Addition numbers are numeric and graphically displayed for easy computing.
- 4342. Spelling B.**
As words flash on the screen for a short period of time you must remember what they are, then spell them correctly.
- 4343. True-False Test.**
This is all you need to make up your own True/False test. Great for any type of T or F testing.
- 4344. Multiple Choice Test.**
Enter your own questions and answers for any type of multiple choice testing.
- 4345. Match the Answer Test.**
Basic program that allows you to enter the answers then ask the student to pick the correct one.
- 4346. Call Key.**
This program will define almost all the keys on the keyboard with the number value that TI assigns it. A must for all programmers.
- 4347. Days Between Dates.**
Program calculates the number of days between two given dates.
- 4348. Spelling Test.**
An excellent program that allows you to enter a child's spelling words on tape, then turn the computer over to them to test their skills. See Word Syllables (4349).
- 4349. Word Syllables.**
Similar to Spelling Test (4348) except use syllables.
- 4350. World Flags.**
A very good program which depicts the flags of 29 nations. Test your skills of memory and recognition.

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4351. Complete Square.

The program is a tutorial which asks you to give the best answer to questions regarding completing a square using quadratic equations. A must for the high school algebra student.

4352. Spelldown.

A very professional program of now you see it, now you don't spelling words. Up to four players can participate. For ages 6 to 16.

4353. Solar.

Programmed by John Priser in Arizona, this program graphically displays the movement of the planets from dates you give the computer. An excellent learning tool.

4354. Divide.

Need to divide some numbers? Here is the program for you. It will divide any number you wish with as many decimal places as desired.

4355. Test Tube.

This computer game is to test your knowledge in the area of chemistry. Story problems are given in pressure, temperature, and molecular structure. Perfect for the high school and college student.

4356.¹ Georgian Calendar.

Will convert Julian days to Georgian calendar. Fun program.

4357. Trinomial.

Brush up on your factoring with this beauty. For first and second year algebra students.

4358. System.

Solution and graph of a system of equation of a line in the form $AX + BY = C$. Another perfect game program for the first year algebra student.

4359. Color Fractions.

One of the best educational programs we have seen. Great for teaching elementary uses of fractions. Highly colorful. Excellent.

4360. Flags of Nations.

This excellent program asks you to name the flags of several different nations but will give you a clue in showing you where the country is located on a world map. A fantastic programming job.

4361. Facts of Life.

A simple little program that will tell you your exact age, approximately how long you have slept, eaten, relaxed, and when you can retire.

4362. Draw.

This program teaches a pre-school child up, down, left, and right and draws either a picture of a man or a truck. An excellent program.

4363. Elementary Arithmetic.

Another great pre-school program with three different lessons: counting, addition and subtraction. Good programming here.

4364. Speed Reading.

An excellent program that will increase peripheral vision and ability to read word groups. You are able to select 10 different levels of difficulty. A wonderful program.

4365. Aerodynamics.

Ever wonder what makes an airplane fly? This tutorial program teaches the effects of lift, drag, and gravity. An excellent program for the junior high student. See Aerodynamics II (4385).

4366. Guess the Letter.

A good program for pre-schoolers. Computer chooses a letter and you try to guess it.

4367. Fingerspelling.

Learn the American Sign Language Alphabet and numbers with this well thought out program. The program has three options. Keyboard signs, Reading signs, and Sign file. Very educational.

4368. Relative IQ Test.

Want to test your IQ against questions supplied by the 99/4? Here's your chance with a great little program. Suggested for ages 14 and older. To conceal the answers the program is protected.

4369. Algebra.

Algebra of a single variable is a must for the high school or college student. An excellent program which is well thought out as a teaching program.

4370. Bowling Math.

Bowling Math is both a game and an educational program. You must position your player, then roll the bowling ball. After counting your pins you must then correctly add your score.

4371. Change.

An excellent small program that will tell you what change to give in return for any item purchased up to \$100.

4372. Spatial Relations.

A program designed to teach a pre-schooler up-down and left-right. A very good teaching tool.

4373. Catapult.

A very well thought out program in which you must solve basic physics problems. The object is to judge the trajectory of an object being fired from a catapult to either a stationary or falling target. Good graphics.

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4374. Projectile Problems.

Another program that deals with basic physics equations. Choose from four different situation levels. Excellent graphic presentation.

4375. Metrics Class.

A test situation that asks the user to decide whether standard weights and measurements are greater than or less than given metric figures.

4376.² Fireball.

A wonderful program that all 99/4 owners will enjoy. You must match your math skill and hand/eye coordination against the computer in order to save your city from being destroyed. This is one of the best Extended Basic programs we have seen.

4377. Grading System.

Enter any number of students' names and grades and let the computer give you the class average. A very good program for teachers and students who want to track grade averages.

4378.² Country Guess.

Hidden letters are revealed to form the names of several countries.

4379. A Typing Tutor.

A good program for practicing and reinforcing your typing skills. You can choose what items you wish to practice and how long you want the practice items to be. The computer keeps track of any errors and then increases practice on missed items. Great program.

4380.² Friction.

Excellent graphics show frictions effects as you are quizzed to solve the basic physics problem that the program asks.

4381. Junior High Math Drill.

A geometry and algebra math tutor. A very good program for the freshman math student. Gives right answers if you don't.

4382. Testing.

This program allows you to create, store or take tests. Load your own questions and answers. A great educational program.

4383. States Quiz.

A new menu-driven quiz on our 50 states. Program includes information on states, alphabetical order, capitols, largest cities and popular names. A great program for the geography and history student.

4384. Speak Spell Flash.

Note: This is a series of five programs and each must be ordered separately. One of the best educational tools in our software library. These programs flash a word on the screen then speak the word and ask the student to type it into the computer correctly. Each of the five programs contain between 75 and 100 words each and can be easily modified by the owner who has little or no programming experience. Program 1 contains two and three letter words. Program 2 contains three and four letter words, etc, up to Program 5 which contains six and seven letter words.

4385. Aerodynamics II.

A continuation of Aerodynamics (4365). This lesson deals with life, gravity, drag and thrust. Well written and very informative.

4386. Baseball Math.

An excellent Basic program for ages 12 and under. If you solve the problem correctly, you can advance your runners. Miss, and you will register an out.

4387. Trignomic Solution of Triangles.

Analyze either right or oblique triangles. An excellent program that can be used in many applications.

4388. Word Teacher.

The computer helps you learn simple words and how they are structured. An excellent program for ages 4-6.

4389. Math Race.

A great program for learning addition and subtraction. Five levels of play make this fun for the entire family.

4390. Math Aid.

Computes area of triangles, figures averages, solves quadratic equations.

4391. Grade Book.

An excellent grade averaging program which allows you to input course number, semester year, course title, and track records for up to 50 students. The program allows for weighted or unweighted grades, and is ideal for most teachers.

4392. Happy Spell.

Spelling drill by computer. Any word can be entered. Mistakes are remembered and redrilled. This is one of the best educational programs we have seen for elementary school children. An excellent programming job by Sam Bryan.

4393. Michigan.

A great tutorial about the state of Michigan. Good graphics and music enhance the program greatly.

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- 4394. Russian Typewriter.**
Practice your Russian with this program. It turns your 99/4 alphabet into a Russian language typewriter and displays its alphabet on the screen.
- 4395. Spanish Math Quiz.**
A Spanish math tutor which teaches addition, subtraction, multiplication and division.
- 4396. Piggy Bank.**
An excellent program for teaching children the value of saving money as well as teaching them how to count it. See Piggy Bank II (4450). Bestseller, E99 1:2:12.
- 4397. European Capitols.**
A good program for drill in geography in Europe.
- 4398. Spelling Tester.**
Limited to 10 words. Could be modified for use with TE II.
- 4399. Teacher's Gradebook.**
An excellent helper for a teacher at grading time.
- 4400. States and Capitols.**
A geography drill in which you can guess either the state or its capitol. Some misspellings in program need correction.
- 4401.³ Simple Addition Practice.**
Similar to #4341 used to drill arithmetic.
- 4402. Teacher's Claim.**
Great job of entertaining graphics in this arithmetic drill program.
- 4403. Diphthong Drill.**
Another spelling practice drill program in our ever-expanding section of educational aids.
- 4404. Long Vowel Drill.**
Spelling practice emphasizing long vowels.
- 4405. Word Totaller.**
A teaching game for word values according to their order in the alphabet. Challenging and entertaining to make learning fun.
- 4406. Arithmetic Word Problems.**
Offers arithmetic problems for different grade levels.

- 4407. Test Writer.**
Great for teachers. You can create custom exams with the computer and store them on disk for later recall. A great help with paperwork.
- 4408. Language Expressions.**
A very good educational program for teaching children language skills while having fun.
- 4409. Word Scramble.**
A teaching game for children where they learn while playing the game.
- 4410. Addition Practice.**
You will wish you had this when you were in school. A very well done program that will delight the young ones. It uses sound educational concepts but is not boring. Get the answer right and you are treated with a wonderful fireworks display. For third and fourth grade level.
- 4411. Word Twins.**
Another instant classic from Sam Moore. A beautiful teaching program that drills homonyms in clever rhyme spoken by Rocky Robot.
- 4412. Roadrunner.**
A great game teaching simple addition and subtraction. Uses timed sequences to heighten interest. Even oldsters will enjoy it.
- 4413. Alphabet Soup.**
An excellent program for pre-reading level children for learning letter recognition. Well thought out with good graphics.
- 4414. Spelling Tester.**
A comprehensive spelling test program. Gives a printout of all responses and correct answers. Also needs Speech Editor for Basic and Speech Synthesizer.
- 4415. Let's Play Arithmetic.**
Your choice of game plus drills or problems. A comprehensive program helping to make learning fun.
- 4416. Leukemia Tutorial.**
A complete computer lecture on leukemia. Of interest to all. It also provides source for more information later.
- 4417. The Barnyard Group.**
This is a series of five programs teaching third or fourth grade level arithmetic. They are very well done with excellent graphics. Each program should be ordered separately by the following number: 4417/1 Addition; 4417/2 Counting; 4417/3 Division; 4417/4 Multiplication; 4417/5 Subtraction.

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- 4418. Junior High Math Helper.**
A most useful aid to students in math, geometry, and trig.
- 4419. Capitalization Practice.**
A fantastically well done program for third grade and up to practice syntax rules in English. Will captivate the children with its excellent graphics.
- 4420. US Facts.**
A one or two player game to learn and test on US history. Well done. We wonder just how many grownups can do well on this.
- 4421. Constellations.**
An extremely well done program to learn about the constellations. Great for astronomy buffs or anyone who wants to identify the stars in the night sky.
- 4422. The Music Teacher.**
A must for anyone studying music. Teaches and drills on note sequence and chord theory. A delightful, excellent programming job.
- 4423. GeoQuiz.**
A good geology testing program that tests on geologic names, eras, and dates.
- 4424. Vocabulary Test.**
A high school level vocabulary test/game that tests for meanings, antonyms, and synonyms. Grownups, don't let your children catch you losing at this one. Practice late at night first.
- 4425. Student Geometry Aids.**
A series of five programs to help the geometry student in problem solving. Each program should be ordered separately by the following numbers: 4425/1 Plane Geometry; 4425/2 Solid Geometry I; 4425/3 Solid Geometry II; 4425/4 Euclidian Transformations; 4425/5 Solution of Triangles.
- 4426. Spelling Aids.**
A great spelling aid for the second or third grade child. Speech maintains a high interest level.
- 4427. Unscramble.**
A good educational game of unscrambling the words. Helps to reinforce good spelling.
- 4428. Fraction Drill.**
An extremely well written program that teaches and drills students in fractions. Helps and hints aid the student, and the program then saves the missed items on tape for the teacher to review later. Highly recommended.
- 4429. Alphastar.**
Just great for youngsters learning the alphabet. First you catch the correct letter and then identify it by pressing the correct key. A very well done program with sound value.

- 4430. IQ Wordmaster.**
This set of programs consists of the main program, a vocabulary testing game, a program to change or add words to your master file and a master data file of 200 words. Quite a nice package.
- 4431. Poetry Maker.**
This program creates random poetry and then recites it for you. It is surprising just how good some of it can be.
- 4432. Noun Instructor.**
This is a quite complete program to both drill and teach students about nouns, recognition and use.
- 4433. Counting.**
An excellent program to teach youngsters how to count by varying increments. Break the 1-2-3 habit and try 2-4-6 for a change.
- 4434. Math Quizzer.**
A very versatile math program for students to drill themselves. They may choose the number sizes, number of problems and the type.
- 4435. CAI Test.**
This is a general knowledge test that is quite well done. Information is stored in DATA statements so you can change it any time you want. Parents, don't flunk this with the children watching.
- 4436. Say and Spell.**
An extremely well written program for third to seventh grade levels. There are four modes to choose from to eliminate boredom and a mystery word section. Good presentation.
- 4437. Arithmetic Drills.**
A fundamental program to drill youngsters in simple arithmetic. You may choose combinations of 1 through 5 or 6 through 10 in addition, subtraction, multiplication and division.
- 4438. Gettysburg Address.**
Absolutely stunning presentation and a fantastic programming job. A high resolution animated graphics presentation of Lincoln reciting the Gettysburg address. After that, he lowers his eyes in silent prayer while we all hear the Battle Hymn of the Republic. This is one program you must have.
- 4440. Super Fly.**
Excellent graphics with sprites make this seem to be a game rather than the fine, well-thought-out addition and subtraction drill that it is. Any child of fourth grade level or higher won't abandon this one quickly.

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4441. Drill Game.

Sound programming skill and educational procedures make this an excellent learning tool for multiplication. Wonderful graphics will entrance you. A real winner.

4442. Big Letters.

Excellent for those learning their letters. This program produces huge, fully-formed lower-case letters on the screen for a child to work with. You can get about two rows of 12 letters each on one screen.

4443. Master Word List.

This is a good program for parents or teachers to use to create vocabulary drills and tests. You may save these on tape for a student to use at some other time.

4444. Bible Game.

Marvelous graphics and sound effects set this bible quiz in a class by itself. Try it just for the dazzling graphics if for nothing else.

4445. Morse Code Trainer.

A very versatile and well laid out program for ham operators or others to practice and learn Morse Code. Many options make it very usable and easy to work with.

4446. Evolution Study.

Here is where the computer is an indispensable aid. With this program, intended for junior high children and older, you simulate the progress of mutation and evolution over a 30-year period. Moths are used as a test sample and you set values to change results.

4447. Pollution Evaluation Study.

Intended for high school age and older, this is a very complete and thorough program to evaluate pollution factors and results in a model you create. A fascinating study and a worthwhile investment for science students.

4448. Kiddie Math.

This will delight children just learning to read and work with little numbers. Entertaining graphics and music round out this good teaching program.

4449. States.

This is an Extended Basic version of States (4336). It is faster and takes less memory. Music has been added to make it more enjoyable.

4450. Piggy Bank II.

This is a version of Piggy Bank (4396) for those of you who want it on disk.

4451. Fraction Solver.

A very useful program for students to ease the load. It solves many different types of problems involving fractions.

4452. The Answer Man.

An excellent program for youngsters. Program drills them on basic arithmetic on three levels and if they need him, there is the answer man to solve it all in one sweep.

4453. Math Hangman.

An arithmetic version of the popular game with very well done graphics and layout.

4454. Pronoun Highdive.

Fantastic graphics make this a delightful teaching tool. Guess the wrong pronoun and you miss the tank completely.

4455. Spanish Vocabulary Drill.

A rather professional job of educational programming makes this a delight for students to work with. Many unique features.

4456. Spelling Quiz.

Two programs in this set make a rather unique program. With the speech enhancement and graphics students will have a pleasurable experience while learning spelling. You can make up your own lists and change them at any time. The program reviews missed items with student at the end of each run.

4457. Math Concentration.

This is a two-player game where one has to remember problems that are in hidden squares and then match them up. Well done.

4458. French Verbs.

Students of French how have some help from the 99/4A with this program. It drills the student on proper verb usage and forms. It uses DATA statements to store the data so it can be expanded or changed at any time.

4459. Make A Story.

This program teaches children proper English usage by letting them create a story with the prompts they are given. Some graphics.

4460. World Capitols.

This educational game is similar to States except that it deals with countries and their capitols. Well done.

4461. Energy.

This is a tutorial program about energy. After the lecture you are given a program converts units of energy from one form to another.

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4462. Night Sky.

Extremely well done program on astronomy. It provides graphic star charts with helps to get information about a particular formation and then allows you to return to the chart where you left off.

4463. Spatial Relations.

An excellent program to teach tiny tots about spatial relations. The speech makes it great fun and the little ones learn the concepts of up, down, around, on top of, between, under and on the side of.

4464. Nuclear Chemistry.

This is a fine program that is a tutorial in nuclear chemistry. Quite enjoyable to follow and well written.

4465. Rocky Robot's Alphabet.

A delight. Let the little ones learn the alphabet with Rocky Robot as their tutor. Great job in educational programming.

4466. Rocky Robot's Division.

Heere's Rocky, and this time he's waiting to make learning division a lot of fun. Give the kids a treat with this one. Wonderful graphics.

4467. Swedish Vocabulary Drill.

Program has limited graphics but is a great help in brushing up on your Swedish. Information is listed in DATA statements so you can add or change items at any time.

4468. Menumath.

A very sound and well-planned program. Useful for almost all age levels since you may choose from seven levels of difficulty in addition, subtraction, multiplication and division. Problems include work with fractions, and you get to see your report card.

4469. The ABC Show.

Absolutely superb. for pre-reading and beginning reading level children to learn and practice the alphabet. Fantastic hi-res graphics of each item. This is truly a show. Highly recommended.

4470. Rocky Robot's Addition.

This time Rocky tirelessly devotes his time to drilling the young ones with addition problems. Rocky is always fun.

4471. Chart of Atomic Weights.

Since it is hardly practical for chemistry students to have a periodic table at home, here is the answer. It lists all of the elements with their atomic weights.

4472. All About Georgia.

A nice compact tutorial with the highlights of the history and development of the state of Georgia.

- 4473. El Profesor.**
Spanish students. Help is on the way. This excellent program gives you a rapid runthrough with the highlights of Spanish grammar. You may test yourself along the way to see how much you are remembering. Get relief now.
- 4474. Adrift in Algebra.**
This excellent program turns learning algebra into a game. Truly great graphics help to make fun out of this drill test. If you get enough answers right you can launch your ship.
- 4475. Hebrew Keyboard.**
Turns your 99/4A into a Hebrew typewriter — but it does not type backwards (i.e. right to left).
- 4476. The Physics Race.**
Wonderful programming job with excellent graphics. It tests for basic concepts in physics and then presents a race to show your score. Didn't know learning could be so much fun.
- 4477. Katie's Addition.**
A very nice program with a very creative use of sprites to teach simple addition to the beginners. Should delight them all.
- 4478. French Grammar Games.**
A collection of learning games for practicing grammar, vocabulary and simple math for the student of French. A very well done and enjoyable program.
- 4479. Rocky Robot's Learn to Count.**
For the little ones just beginning to school. But you can get a jump on school and expose the little ones to counting now.
- 4480. Rocky Robot's Subtraction.**
Subtraction practice and drilling with that master teacher makes a hit with the kiddies once again.
- 4481. President's Game.**
Great graphics turn learning the American presidents into a fun time for all. You walk the plank for every wrong answer. And you know who is waiting in the water.
- 4482. Geometric Coordinates.**
Beautifully done graphics make this program a winner. It tests beginning geometry students on their understanding of coordinate placement and use. It all becomes so clear.
- 4483. Shape Sequence IQ Test.**
A very sound and well-written program. Not so much a test as a learning tool. Teaches children patterns and sequences by having them guess the next in a series of geometric shapes. It is a worthwhile program for parents to own.

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4484. Tutorial Typing.

This is a series of three very complete and just about professional level programs to learn and practice typing on the TI Home Computer. Highly recommended for anyone who wants to become proficient in keyboard use. Each program is sold separately: 4484/1 Tutorial lecture; 4484/2 Drill and practice session; 4484/3 Recap and test.

4485.⁵ Biological Symbols.

An excellent program for the Biology student. It gives a very good graphics presentation of the symbols with their uses and meanings. It then gives the student a drill to test for retention.

4486.⁵ Linear Algebra.

A wonderful tool for algebra students. This program will solve problems involving multiplication of matrices, general or square system.

4487.⁵ Mendel's Law.

A very nice tutorial program for students of biology. Genetics is presented in a graphics "game" format so the student can make his own decisions on genetic traits and then actually see the results on screen.

4488.⁵ Ninth Grade Physics.

A very well presented program for beginning Physics students. Solves problems, drills and has a glossary of physics terms and a reference guide for the student.

4489.⁵ Star Chart.

Twenty four constellations are presented for the astronomy student for study and testing. Nice program.

4490.⁵ Hang-Globe.

A Hangman-type game for learning the countries and capitols of the world. Since it gives map hints for wrong answers, it helps the student learn how to use latitude and longitude coordinates on a map.

4491.⁵ Times-Fun's Game.

An interesting concept in multiplication principles. This is a game in which the student guesses the "factors" of a number and tries to outlast the computer. Lots of fun and easy learning.

4492.⁵ Telling time.

Excellent presentation with great graphics turns learning to tell time into a party. A child not only learns to read a clock face but gets reinforcement in transferring that to numbers. At the end it drills the child on all missed items.

4493.⁵ Pre-School Fun.

A marvelous program for the little ones at home. With it they can learn their colors, shapes, directions and letters. An excellent educational programming effort.

4494.⁵ Arithmetic in French.

Add and subtract practice so you will know just how much deux et cinq make. Wonderful presentation with really fun graphics. OK, kiddies! Au boulot!

4495.⁵ Addition Magician.

A really novel and innovative way to practice addition while having fun "playing." You get the answers and must use deductive reasoning to figure out how to get that answer. All in the form of a game!

4496.⁵ Multiplication Magician.

All the fun of #4495 for multiplication practice.

4497/1.⁵ Morse Code Course.

4497/2.⁵ Morse Code Course

These two programs (sold separately) are the most complete code training course available to "prep" for a ham license. Part 1 is the basic course. Part 2 is used for testing and drill. Wonderful!

4498.⁵ Rocky Sings*.

OK! This time he's really done it. Rocky is getting so talented that he will probably go Hollywood on us. In this program, Mr. Moore gets Rocky Robot not to talk but actually SING a capella. Listen to "Old MacDonald", an you have never heard it before. *THIS PUBLIC DOMAIN PROGRAM WAS DONATED TO THE USERS-GROUP BY TEXAS INSTRUMENTS.

4499.⁵ Tachistoscope*.

An excellent program for use in the home or at school. It is used to help students increase their reading speed and recognition. You may set it for four different speed levels and have choices of reading numbers up to eight digits long and words/phrases up to 26 letters long. A must as an aid for those learning reading. *THIS PUBLIC DOMAIN PROGRAM WAS DONATED TO THE USERS-GROUP BY TEXAS INSTRUMENTS.

4500.⁵ Casey.

This in a very nicely done typing practice game to improve keyboard skill. Casey is a little helicopter in a race with a jet. If you can type in the correct letter before it hits the ground, Casey can win the game.

4501.⁵ German II.

A compendium to #4312. This program will give you a background on Germany, play the National Anthem and then test you on up to 50 German words.

4502.⁵ Magic Square Tutor.

This program, unlike #1512, will show you how it evaluates and calculates Magic Squares.

4503.⁵ Civil War Who's Who.

A great tutorial on famous people in the 1860s.

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4504.⁵ Phrases.

Helping to understand phrases and how they add meaning to a sentence is the object of this program. It uses data statements that can be changed for new review. It keeps score and displays how you did at the end of the program. Excellent for ages 6-12.

4505.⁵ Sentences.

A natural counterpart to Phrases. You must identify whole and partial sentences. Again, the program is geared for ages 6-12.

4506.⁵ TI Barnyard.

An excellent animal recognition program for the little ones. Great pictures of the animals!

4507.⁵ Punctuation.

This program is a tutorial in punctuating compound sentences. The first exercises may seem simplistic, but they get harder as you progress.

4508.⁵ Non-Alpha Typing Tutor.

This program will force you to become more proficient with the numeric, function and shift keys on the 99/4A. Great if you're just learning to program.

4509.⁵ Preschool Color.

An excellent tutor for the little ones. Teaches five colors. Repetitious and entertaining — something the kids love!

4510.⁵ Circle Equations.

Given three points on a circle, this program will compute the equation of that circle.

4511.⁵ Latin American Capitols.

A great name-that-city experience! You'd better be up on your geography for this one!

4512.⁵ Fun with Adjectives.

This is an excellent lesson in learning the proper use of adjectives. The player can help a bug find his way out of a maze or destroy aliens with his laser by answering questions correctly.

4513.⁵ Fun with Adverbs.

Similar to 4512, answering questions correctly will see your name got top billing as a movie star, or draw a magic rabbit in a hat. Great for grades 4-6.

4514.⁵ K-Words.

A good program for young elementary age children to learn the names of colors and numbers. Your child is congratulated for each correct answer!

4515.⁵ Fun With Nouns.

Help the rocket take off by answering questions correctly, or watch a haunted house come to life while learning about nouns.

4516.⁵ Fun With Verbs.

Help a train move along the track and toot, make a bug jump and talk to you, and become a SUPERCHILD by learning how to use verbs.

4517.⁵ Verb Usage.

Learn about verb usage by answering correctly from a choice of two verbs. A good program for fourth and fifth grade children.

4518.⁵ Central America.

Become a geographical expert of Central America by learning the countries and capitols. You must identify the country referred to on the map, and then correctly name the capitol. Think hard!

4519.⁵ Greek Alphabet.

Learn the letters of the Greek alphabet by matching the symbol with the correct name. Test yourself to see how well you've learned, but you've got to learn these letters FAST!

4520.⁵ South America.

Another geographical masterpiece. The continent is displayed, and the computer will outline a country within. Guess it right and name its capitol. You got only two chances at each country, so you better know your stuff!

4521.⁵ Identify Wisconsin.

A must for our members in Wisconsin and for any geography buff. A good reproduction of the state is displayed and you must identify the shaded countries [sic] one by one.

3.5. Business and Professional

5400. Financial Math.

We think this is our best program for working with interests of annuities. See Financial Math (5540).

5401.¹ Factorial.

This program computes the factor [sic] of any positive integer up to 85.

5402. Receipt Expense.

By using DATA statements you can file your receipt expenses on tape or disk.

5403. Derivative of Function.

L. Poole and M. Borcher's Basic program for your 99/4.

5404. Linear Regression.

Another Poole program.

5405.¹ Number Convert.

Convert decimal numbers of fewer than 7 digits. Others up to base 32.

5406. Addresses.

File hundreds of names, addresses and phone numbers on a single disk.

5407. Checkbook #1.

A checkbook record keeping system that you can save to tape. Excellent programming job.

5408. Estate.

This program does securities. Evaluation for estate tax purposes. A must for attorneys.

5409. Stock Records.

List transactions, holding and the P/L on a stock. This program uses DATA statements for storage.

5410. Sandwich Shop.

This money handling program could be adapted to any retail business.

5411. Stock Trend and Reports.

A very professional programming job. Anyone who has a disk system needs this one.

5412. Thermal Printer Test.

This program will test your TI Thermal Printer.

5413. Ham File.

A file that searches by name or call sign for amateur radio operators. It also has a sort feature.

- 5414. PERT.**
Program Evaluation and Review Technique. This program evaluates job completion times. See PERT II (5514). See CPM (5415).
- 5415. CPM.**
Critical Path Method. Used in conjunction with PERT (5414) program.
- 5416. Auto Expenses.**
This program tracks ongoing auto expenses for up to three cars. Data can then be saved on tape.
- 5417. Handicapper.**
A program that helps in handicapping the ponies at the track.
- 5418. Word Processing.**
Allows upper and lower case and editing features. Adaptable to most printers. See Word Processor (5519).
- 5419. Loan Interest.**
Most Anything You Need to Know Regarding Loans.
- 5420. Conversions.**
This program will convert all metric functions.
- 5421. Check Sort.**
By listing checks in DATA statements you can sort by number, alphabet or amount.
- 5422. Sorts.**
Program produces a normal distribution sample of up to 1500 positive integers according to your demands.
- 5423. Amortization Schedule.**
Gives interest and principals for any time.
- 5424. Annuities.**
Gives future values of regular deposit annuities.
- 5425. Conventional Loan Analysis.**
You input the interest insurance, etc, then get a printed copy. An outstanding program.
- 5426. House Inventory.**
Use DATA statements to inventory your household goods.
- 5427.¹ Conventional Step Loan.**
Use this program to set facts on a step loan.

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- 5428. Depreciation Schedule.**
This is all you need to depreciate anything.
- 5429. House Cost.**
Program helps you design a house, then cost.
- 5430. Installment Payments.**
Figure what installment payments are to be.
- 5431. Stock Transactions.**
Use DATA statements to track stocks. An excellent program.
- 5432. Checkbook Balance.**
The easy way to balance your checkbook.
- 5433. Log.**
This program makes logarithms simple.
- 5434. Records.**
Program offers many search features and can be used as an accounts receivable program.
- 5435. Chisquare.**
This is a great chisquare program.
- 5436. Interest Projector.**
Project interest on any account.
- 5437. 1040 Form.**
This program completes form 1040 and schedules A, B and D.
- 5438. Alpha Numeric.**
This program can be used by itself or as part of a larger program. It will sort any set of names of letters alphabetically.
- 5439. Christmas List.**
By using DATA statements, keep an accurate record of your Christmas card list.
- 5440. Compare.**
Compares prices of similar products from different manufacturers and computes the percentage difference. See Compare (5441).
- 5441. Compare.**
The same as Compare (5440) but will allow the use of a printer.

- 5442.¹ Convert.**
Will convert to or from the decimal system in any base.
- 5442. Decisions.**
By assigning different weights and values this program makes decision-making a snap.
- 5443.¹ Decisions.**
By assigning different weights and values this program makes decision-making a snap.
- 5444. Deductions.**
A program that allows a printed record of standard tax deductions. A terrific time-saver.
- 5445. Directory.**
A good programming job on this one. By using DATA statements store useful information in directory form.
- 5446. Income Ave.**
This program prints and records all information pertaining to income and expenses, then it will compute all figures for tax purposes.
- 5447.¹ Instpmt.**
Computes installment payments for any asset purchased.
- 5448. Investment Value.**
Will compute the future value for any investment purchased.
- 5449. Invest?**
Super program for computing investment decisions. Analysis given investment with or without capital gain; computes the tax on investment and gross profit while giving consideration for the inflation rate.
- 5450. Med-Expense.**
Program keeps a running total on all medical expenses incurred in a year. Convenient around tax time.
- 5451. Pulmonary Test.**
Excellent program for computing pulmonary functions of patients in both industrial or non-industrial climates.
- 5452. Statement.**
Using an RS232 type printer, you can design and print business statements.
- 5453.¹ Profitmix.**
A complex math matrix which does meats costing for a meat processing plant. Could be adapted for other uses.

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- 5454. Data Base #1.**
Includes loans, CCI and a checkbook balance.
- 5455. Home Budgeting.**
This program tracks household budgeted items, then gives a printed result.
- 5456. Fuzzy Decision Making.**
Another decision making program that allows you to weigh the importance of hard-to-reach decisions. A well thought out program.
- 5457.¹ Master Index.**
The author of this program uses data statements to store his software library. A good program to use for this purpose.
- 5458.¹ Futval.**
This program computes and prints future values for any investment at any rate for a given amount of time. Really aids in decision making.
- 5459.¹ ? Pay.**
What is your time worth? Enter your base salary for a whole week and learn what your time is really worth.
- 5460. Life Expectancy.**
Do you wish to see how long you will live? Get this one and find out.
- 5461. Eqn.**
This program solves a set of simultaneous equations. Great for high school or college algebra students.
- 5462. Financial Planning Helps.**
An excellent program which includes compounding on deposits or lump sums, monthly accumulation, and annuitized retirement plans.
- 5463. Flight Plan.**
A must for all of you aviation buffs. Set your longitude and latitude, air speed, wind, and learn all the facts.
- 5464. The Church Treasurer.**
By using DATA statements in this program, a church treasurer can track monthly disbursements in five broad categories. A good program.
- 5465. Record File.**
With the use of a data disk, store many different name and address files with other pertinent information. A great program to learn file handling from.

5466.¹ Irrigation Costs.

This compares irrigation operating costs for Diesel and Electric powered equipment.

5466. Trend Line Analysis.

This program calculates slope and values you input for tracking stocks, bonds or commodities. You can store the values in a file, and optionally list the array contents or slope values on a printer. A very well thought out program.

5467. Mail List Cnd #3.

Using the TI disk-based Mail List program, you can see the data as it is condensed and sorted.

5468. Mail List Search-Print.

For use with the TI Mail List program. You can search a name, then immediately print a label. An excellent tool for those of you who use the Mail List.

5469. Print Right.

Having trouble linking up your decimal points? Then here is a great little subroutine for you.

5470. Doctors Billing System.

Can be adapted to almost any doctor or dentist office. The program offers a printed statement for all services rendered and presents the patient with current and total charges.

5471. Labels.

Using an RS232 type printer, make your own personalized mailing or shipping labels.

5472. Interest Projector.

By using a given date and amount, this program projects interest on either a simple or compounded basis.

5473. Regression.

This program provides simple linear regression, multiple linear regression, DTN-order regression, geometric regression, and exponential regression. A very well written program and most useful.

5474. Loan Trend Analysis.

An excellent program dealing with loans and interest options.

5475. Employee Pay Chart.

Enter employees' names, hours worked, hourly rate and the proper percentages for state, federal and FICA withholding, and the computer will figure the required deductions to be made.

5476. Statement Analysis.

From any corporate financial statement you can use this program to check on its financial health. A very good program that goes into some depth.

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5477. Operational Costs.

Designed for a person who has investment property. Feed in mortgage cost, insurance and other expenditures to inform as to actual operational costs.

5478. Costing.

Enter overhead costs, enter all fixed and any variable costs. The computer will complete job costing for you. Could use some instructions.

5479. Financial Ratio.

A simple program to compute current ration, acid test, net profits on sales, investment, etc. Also helpful in critiquing your investment turnover and return.

5480. Investment Calculator.

An excellent program that calculates eight different financial sets. Future value, investments, loan balance, loan term and your amortization schedule.

5481. Expense Account.

Allows input of all daily business expenses, then gives a weekly summary and totals. A good program that, with a little work, could be a great one.

5482. General Inventory.

Stores up to 200 items. Tracks item number, description, number on hand, cost, location, class and selling price. A real bargain for \$3 or on exchange.

5483. Breakeven.

Enter variable and fixed costs, and computer will calculate total costs and breakeven quantity. Good instructions.

5484. Columnar Pad.

This program reproduces a columnar pad with a descriptive column and seven numerical columns. A very useful program for many business situations.

5485. Bargrapher II.

A rather fundamental bargraphing program that can be reworked quite easily and inserted into other programs.

5486. Stock Commission.

A well done program that estimates commissions and determines stock gains and losses.

5487.² Pay Check.

A very in-depth check handling and analysis program. Very useful to anyone who is self-employed or anyone who would like to keep accurate records of their pay statements.

5488. The Investor.

A superb program that is extremely flexible and useful for anyone who has stocks. Program is near professional level of programming. Worth having even at a \$50 price.

5489. The Biller.

Maintains credit history and account information for a small business. Files stored on cassette for later use.

5490. Bid Projector.

A useful program for the small businessman. This one projects costs, job costs and creates bids on jobs. A good evaluation tool.

5491. Cost Effector.

A useful program that calculates cost effectiveness of quantity ordering based on turnover, price breaks and maintenance costs. It can help you save money in your business.

5492. Raffle Ticket Printer.

For a church group or parent's group you can print out your own raffle tickets for whatever occasions. Tickets are numbered.

5493. Interest/Depreciation Schedule.

Prepares interest or depreciation schedules based on data you input to program.

5494. Investment Counselor.

A comprehensive program and complete program designed to aid you in all of your investment decisions and record keeping.

5495. The Taxman.

Prepares all entries for form 1040. Works with itemized deductions of all sorts. Most helpful at tax time.

5496. Itemized Deduction Worksheet.

An itemized deduction worksheet that stores your data on tape. You may alter the date at any time and keep your records current.

5497. Financial Worksheet.

A financial planner and worksheet. Store data on tape and have a printout at any time. Very useful in many application.

5498. Personal Banker.

Keeps a record of finances. Can make sample calculations and handle and update records on checking and savings account data. A well written program.

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5499. Payroll Clerk.

Calculates payrolls with all deductions for business use. Includes information on overtime. Different tax withholding ranges are automatically calculated. Can be modified to print checks on a printer.

5500. Financial Health.

Checks and tracks trends on the financial health of a company up to a 10-year period. Data generated on information available from company annual reports. A very useful program.

5501.³ Flight Plan Calculator.

Two programs in one. Used as a flight planning calculator and worksheet. Amateur aviators can make good use of this one.

5502. Accounts File.

Maintain, update, change records on up to 25 different accounts with up to 15 different categories. Most useful for rental property owners. Can be modified in many ways and is very flexible.

5503. Authority for Expenditure.

Prompts for gas or oil well information and 69 categories to create an Authority for Expenditure.

5504. Life Cycle Costs.

An extremely complex and thorough program for determining life cycle cost of equipment for industrial plants. Originally written for Air Force use and can be modified for other uses. Has a built-in tutorial.

5505. Payroll Recorder.

A very complex program to maintain a payroll and save the data. This program can be easily modified for use with disk. Many different calculations are allowed.

5506. Catalog.

This program is used to create and then print catalog sheets for a business. Can be adapted to other uses.

5507. Worksheet.

This program gives you a spreadsheet to work on figures in a 12-row by 4-column matrix. Quite useful for inventory, etc.

5508. Expense Journal.

A fantastically complete program for the salesman or business man on an expense account. Keeps and prints records on a day-to-day, week-to-week, and year-to-date basis. Indispensable for maintaining business and tax records.

5509. Glass Estimator.

A program for a person in the glass business. Creates estimates for all types and sizes of glass both on a wholesale and retail basis. Adaptable to other uses.

5510. Mini Info-State.

Creates lists or graphs of two elements for comparison purposes on different bases. Several options enhance the program's versatility.

5511. Bar-Grapher.

This program creates bargraphs of your data in any easy-to-view format. The program will automatically adjust scale if you desire and also display total and averages of data. A very useful item. Bestseller, E99 1:2:12.

5512. Lighting Factors.

This program stores data in DATA statements to generate information about all lighting factors in various rooms. Most useful for building or rental property owners.

5513. Auto-Graph.

A very complete and useful program for anyone needing bargraph presentation of data. You can have up to 10 different files in memory at one time and 52 items of data for each. Comes with a sample data file and printed instructions. Use to graph stock or bond prices, interest rates, weekly expenses, utility consumption or test results with a fixed base.

5514. Securities Portfolio.

A well done and complete program for maintaining all sorts of records on your stock portfolio with a printout of all the most up to date information about it. Enormously broad in coverage. See Portfolio Analysis (5515).

5515. Portfolio Analysis.

A great auxiliary to Securities Portfolio (5514), it does a complete up to the minute analysis of your portfolio for gains, losses and trends.

5516. The Last Hour.

This is a very useful program for those needing to store information on stocks and the market. All data for one year is stored in DATA statements in the program and may be changed at any time. The program offers many options for stock tracking, including several different graphics modes for the Dow Jones Industrial Average. A must for investors.

5517. Stock Lister.

With this program you can create a tape data file of all the stock in your portfolio and update or review the data at any time.

5518. Compound Interest Worksheet.

A very good program for working with data on interest in finances. Easy to manipulate data and see instant results.

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5519. Word Processor.

This is an upgraded Extended Basic version of Word Processing (5418). As it stands the program is set up to use the Smith-Corona TP-1 but you can change the printer controls in the program to match your printer.

5520. Test Score Analysis.

This is an extremely well written and versatile program that is a must for teachers. You can analyze test scores using six different options to find percentile rating, ratio to 100, average grade or median grade. Press the teacher for more useful activities.

5521. Loan Calculator.

With this program you can find any of the four common variables associated with loans based on any three known values.

5522. Stock Prices — Moving Averages.

Another very good program for keeping track of your stocks. It calculates the moving averages over a 10-week period. Well written.

5523. Cash Assets.

Now it will be easy to keep records on all your cash assets with this well written program. Data will be stored on tape for future recall, review and update.

5524. Time Payment Comparator.

With this program it is a snap to figure the best way to borrow money. You can compare a loan against borrowing from your savings or CDs. Program tells you the exact money differential.

5525. Estimated Tax Analyzer.

This is a very complete program to work on estimated tax for 1983. It gives a well-formatted printout of calculations so you have the hard copy available immediately for review.

5526. Text Editor.

A very usable text editor that is nicely written for use in letter writing or generating other text. Although a bit limited, it is a fantastic bargain as are the other text editors in the library.

5527. Grade Point Averages.

Figures a student's grade point average and updates it immediately.

5528. Loan Package.

This program will calculate future values, interest, interest rates, present values, and time periods of loans.

5529. The Farmer.

An excellent program for farmers. It calculates the layout of acreage and the payback on USDA ASCS programs. Then it prints a detailed report.

5530. Plot and Save.

A marvelous and professionally done program. With it you can create military graphs on your printer for any data you input. Program comes with three data files as samples.

5531. Cropmaster.

This program for the farmer figures the cost per acre per item, total investment and expected profit from planting different crops.

5532. Business Forecasting.

This is a statistical program for business. It contains three easy to use programs with forecasting techniques based on least squares regression, moving averages and exponential smoothing. With data for uniform time periods almost any activity can be projected.

5533. Check Ledger.

This maintains a file of all checks written on any of 18 categories that you name. Files are created in blocks of 100 records. On command you may have a professional printout of all data.

5534. Costcalc.

This cost to complete calculator allows you to keep track of the finances of any project. It allows for tracking costs in up to 10 categories. At any time the budget is analyzed and gives the to-date total amount spent, amount of budget remaining and the projected balance or cost overrun at completion.

5536. Gemstone Appraisal.

A well written program for the gem dealer or gemologist. After input of your data, it gives an appraisal and a hardcopy printout for your files or for presentation to a customer.

5537. Inventory Control.

This program stores data files on cassette and is designed for the small business owner. Tracking of number in stock, number sold, turnover and low inventory warnings are quite easily handled. Data can be presented on printer or on screen in either tabular or graphic format. Very well done.

5538. Law Case Retrieval.

For the attorney who needs to file summaries of cases for later reference. Cases can be summarized and filed under a variety of categories for later retrieval, study and cross-reference. An edit feature is also included. Two cassette recorders are required.

5539. Payroll/Personnel.

A professional record keeping program of employee data and payroll history. The system automatically updates itself completely whenever new data is entered. Prints out complete personnel records. The only thing it doesn't handle is automatic printing of payroll checks.

5540. Financial Math.

This is a new Extended Basic version of Financial Math (5400).

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5541. Feeder Pig Analysis.

For the hog breeder, this program sets up you budget for purchase of stock and feed. It then projects costs based on your desired profit. Should be a great time and money saver.

5542. Tinyplan.

A mini-spreadsheet for 99/4A users. It has no instructions but it is not difficult to figure out. It calculates interest along with the full range of math computations. It even will calculate delta percent on the spreadsheet you create. Very well done.

5543. Nitrogen Needs.

Specifically for the corn farmer. This program will determine the nitrogen needs for your crop and then project costs based on your data.

5544. PERT II.

A new version of PERT (5514) in a new format.

5545. Le Bon Mot.

A very well laid out and organized program for word processing. Call it a French word processor, since it is all in French. Do not expect to type in English and have it translated for you. That is something you will have to do on your own.

5546. Illumination Factors.

This program is designed for a lighting business. It deals with all the factors of illumination for several types of fixtures and lighting systems and calculates best configurations based on the needs of your customer.

5547. Travel Expenses.

Designed for the traveling business person who must keep a detailed record of all travel expenses. It is a very well laid out program that will give you weekly and year to date totals. Program also provides for a detailed printout in report form.

5548. Lamb Scoring.

For the sheep rancher, this program will predict weights at various stages of development so that the rancher has a better control of expenses and can project profits over time.

5549. Weaving Calculator.

A program designed for use by those in a custom weaving business. Use it to calculate costs for various projects and then project the charges for it with profit markup included.

5550. Student Scoring System.

For teachers to manage grades for students throughout the year. The program eliminates the drudgery of figuring averages and scores for a whole class. With data stored on disk it is easy to carry data forward to a next year or semester. Many different options make for a quite versatile program.

5551. Message Graphs.

With this program you may create message screens (up to five) and then intermix the text with either point or bargraphs of any data you wish to present. Once input is complete the material will be presented on screen in a continuous format. Would be good for in-store advertising tied in with a demonstration. Unfortunately, there is no way to store your data once you have created it. Donated by Texas Instruments.

5552. Bonds.

As in "stocks and bonds", this program compares the data on up to 30 bonds. It then sorts them and prints out a report for you.

5553.⁵ Comparison Bargrapher.

With this program you can create a double bar-graph for value comparisons. You set the scale and name your items. Well done with excellent graphic production.

5554.⁵ Learning Curve.

This program is used for determining manufacturing production costs by altering your input data to test the various factors involved. Lengthy instructions are built into the program for easy use.

5555.⁵ Currency Converter II.

Program handles currency conversion values for 68 countries. Rate data may be upgraded at any time.

5556.⁵ Sales Analysis.

Storing pertinent factors in DATA STATEMENTS, this program produces reports for salesmen on territories or products to give a good picture of the sales in those areas.

5557.⁵ Stagecoach Programming.

Utilizing the principle of stagecoach dynamic programming, this program finds a manufacturing production path with minimum costs to enable maximizing profit realized from products.

5558.⁵ Stock Record Keeping*.

5558/1.⁵ Master Program.

5558/D.⁵ Data File.

This is probably the most complete program of its type that exists in the library to date. All sorts of calculations and manipulations of your data are possible. Program consists of three parts described. *THIS PUBLIC DOMAIN PROGRAM WAS DONATED TO THE USERS-GROUP BY TEXAS INSTRUMENTS.

5559.⁵ Schedule-C.

Everything you need to complete Schedule C for your tax returns.

5560.⁵ T-Bill.

This complete program will figure the dollar discount, purchase price and equivalent yield for Treasury Bills. A must for the investor.

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5561.⁵ Acreage.

Compute land area in acres and square kilometers, and find totals for both. Uses different methods of input for scale or ratio. Closed contour must be digitized.

5562.⁵ Fundamental Analysis.

Using a business financial report, do a fundamental analysis including the current ratio, liquidity ratio, capitalization ratio and more!

5563.⁵ Phone List.

An excellent name, address and telephone listing program designed to be used with a single cassette recorder. It can save up to 200 records per files and will handle an unlimited amount of files. This program is very well presented and is a must for those of you who wish to have a cassette-based record keeping system.

5564.⁵ Contracts.

Keep track of rental contracts the easy way. 35 categories will show the total rent, number of payments, and averages.

5565.⁵ Roman Numeral Conversion.

This BASIC program converts Roman numerals to Arabic and vice versa. Although not often used, this program is vital when someone needs to make this type of conversion.

5566.⁵ Cash Flow.

This program will follow any regular series of cash transactions involving a set interest rate. It can show if it is wiser to leave your money in investments or pay off your mortgage or loan. It can also compare several types of investment for maximum return.

5567.⁵ Budget.

This program is a very comprehensive family budget system. It includes Search, Input, and Update features which can be used either for household budgeting or for a small business. A complete instruction file is provided using a TI-Writer file. There are three other internal files, Accountdata, Filesetup and Payment that are included in this unique package. This is a product of Mr. Clint Chamberlin, one of the better programmers we know and a long-time IUG member. Listing not available.

3.6. Engineering

6001. Mohr's Circle.

This program is used to find stress shafts, beams, etc. This can be used in both mechanical and civil engineering.

6002. FFT.

A 256 FFT Point Program. Input requires 256 real quantities in the time domain. Output consists of 128 points in the frequency domain between 0 Hz and half the sample data rate (Hz).

6003. Antenna.

This program is based on the phase-vector summation of ideal halfway dipoles as seen from a great distance. This program allows you to see a good representation of the approximate field pattern.

6004. Data Forecasting Divergence.

Simple program that delivers total errors, total absolute errors, squared errors, mean errors, etc.

6005. Temperature Conversion.

Converts any temperature to Fahrenheit, Celsius, Reamur, Kelvin, or Rankine.

6006. Black Body.

By inputting temperature, wavelength, and increments of wavelength, you can find the radiant emittance of watts/sq cm.

6007. Circuits.

This program computes the total resistance of both series and parallel resistance circuits.

6008. Stats.

This program will calculate basic statistics — sample, size, mean, standard deviation, and estimated percent high and low of the population. The 3-sigma limits, the 6-sigma spread, the 8-sigma spread and if you have a printer, it will plot your histogram.

6009. Electronics.

This program supplies several useful functions. Resistors in parallel, capacitors in series, resonant frequency, frequency and wavelength, Ohm's law, and antenna design.

6010.² AMP Circuits.

For 99/4 ONLY. You are asked to input the desired closed loop gain and the maximum desired frequency. The computer will then design a circuit using the popular 301A integrated circuit, and specifications of the circuit will be calculated. Excellent graphics usage.

6010. 3-D Plot.

Extremely slow, but efficient. Define the function you wish in line 5, and watch the computer go to work.

- 6011.² 3-D Plot.**
Extremely slow, but efficient. Define the function you wish in line 5, and watch the computer go to work.
- 6012. Bore.**
This program calculates an orifice bore diameter for a specified pressure drop in a given liquid pipe flow.
- 6013. Cross Correlation for Curves.**
This program does a cross correlation between two given curves through use of the least-square method.
- 6014. Harmonic Curve Fitting.**
Program performs a Fourier analysis on a set of input prints representing a set of cyclic curves.
- 6015.² Crossover Network.**
This program calculates the inductor and capacitor values -6db or -12db per octave for t-way speaker crossover network.
- 6016. Alternator and Transformers.**
Computes percent voltage regulation for transformers or three phase alternators.
- 6017. Matrix.**
This program allows you to manipulate rows of a matrix when performing Gauss-Jordan eliminations.
- 6018. Curve Fit.**
This program will interpolate intermediate data points from Cartesian coordinates you input, and optionally plot them on your screen. Higher mathematical knowledge desirable.
- 6019. AC Volt.**
This program converts between peak, effective and average voltage.
- 6020. Amp Circuits.**
Computer aided amplifier design using the 301A JC. Enter frequency response and gain. The computer draws the schematic diagram, computes component values, and figures tolerances. (99/4 only).
- 6021. Power.**
Inputs your power supply and filter specifications and determines component values. (99/4 only).
- 6022. React.**
Performs numerous calculations dealing with reactive circuit components. (99/4 only).

- 6023. Electronics Solver.**
This program can do computations in nine different areas of the field and save you a lot of time and work. Well thought out.
- 6024. Atomic Weight Calculator.**
A useful aid for the chemistry student in determining the atomic weights of any chemical compounds.
- 6025. Statistical Analysis.**
A set of two programs combined into one. Used for analysis of random block design. Using DATA statements you can customize it.
- 6026. Moving Time-Data.**
Computes averages of moving time-data.
- 6027. Trigonometric Calculator.**
Turns your TI-99/4(A) into a complete calculator to solve all sorts of problems in trigonometry.
- 6028. Newtonian Interpolator.**
Performs Newtonian interpolations in a snap.
- 6029. Antenna Aligner.**
Performs all calculations for aligning antennae relative to satellite location.
- 6030. Multiple Regression Analysis.**
A program to work on multiple regressions with the aid of the 99/4A.
- 6031. 555 Timer Circuits.**
Solves for time-component values in 555 timers.
- 6032. Decibel Calculator.**
Solves for unknowns in dB, voltage and power ratios.
- 6033. Geometry Calculator.**
Solves volume and area problems for most common geometric figures.
- 6034. Statistical Analysis.**
A rather complete program to generate data in statistics from simple input of population and grouping information.
- 6035. Oil Well Casing Design.**
Two programs in one for design of 4.5" and 5.5" oil well casings. Automatically calculates what casing can be run with safety factors figured for each section of casing.

- 6036. Resistive Attenuator Design.**
Graphics representations of circuits help to make this program easy to work with in developing your data.
- 6037. Factorial II.**
Quite complete program working with factorials of any integer.
- 6038. Crossover Network Design.**
Develop data for building crossover networks for your speaker system.
- 6039. Hypnotic Induction.**
Not a toy or graphics demo. This is a screen pattern to be used as an aid in inducing a hypnotic state. Not recommended for use by people with history of vertigo, migraines, or epilepsy.
- 6040. Wind Chill Factor.**
Calculates the wind chill factor after input of a couple of simple data.
- 6041. Closed Loop System Analysis.**
A good program for ... just what the name says.
- 6042. Prime Number Cruncher.**
A rather complete program functioning as a worksheet to deal with prime number problems.
- 6043. Statistics Tables.**
A very complete program in statistics developing data in probable permutations, Chi-squares, mean and standard deviation, moment, skewness, kurtosis and linear interpolations among others.
- 6044. Comet Calculator.**
This program calculates the position of select comets for any given date.
- 6045. Planet Watch.**
Calculates the position, phase, distance, angle, size and magnitude of any planet on any date.
- 6046. Fibonacci's Numbers.**
Generates all Fibonacci numbers up to whatever number you request.
- 6047. Piping Systems Analysis.**
Calculates Reynolds number, friction factors and other data.
- 6048. Telescope Specs.**
Calculates telescope specifications and eyepiece requirements based on your data input. Graphic aids.

- 6049. Universal Time.**
Converts universal time to local time for all time zones in the USA.
- 6050. Polynomial Curve.**
Calculates polynomial curves by method of least squares for up to 100 points.
- 6051. Conversions II.**
Another fine conversions program which does conversions on temperature, mass, length, volume, angles, energy and pressure.
- 6052. Matrix Determinant Evaluator.**
Calculates the determinants for 2x2, 2x3 or 2x4 matrices.
- 6053. Vector Addition/Subtraction.**
This program does addition or subtraction of vectors in either polar or rectangular format.
- 6054. Parabolic Reflector.**
This program calculates beam width, focal point of the reflector and length of gain for those interested in building one by yourself.
- 6055. Aircraft Design.**
Most of the pertinent factors important to sound aircraft design are calculated by this program. It appears to be quite complete and well done.
- 6056. Mini-MUF.**
This program computes the Maximum Usable Frequency for a communications path between any two points on Earth for a given day of the year. Output on screen gives MUF for each hour of the selected day in Universal Coordinated Time. Ham radio operators should snap this one up.
- 6057. Moon Watch.**
This calculates the position, size, phase, and distance of the moon in addition to predicting lunar eclipses. This can be used with the data received from Full Moon (8003).
- 6058. NCS op-aid.**
A great help for the ham radio operator who is a Net Control Static. This program provides a scratch pad for listing check-ins and then matches up traffic listing with call signs and cities. It will also list outstanding traffic, look up any given call sign or city, list all of the check-ins, edit and delete. Another must for the ham operator.
- 6059. Regressions II.**
A quite complete program for work in regressions. Provides for simple linear, multi-linear, nth order, geometric or exponential regression with up to 23 data sets.
- 6060. Statistics.**
Works with sample size, mean standard deviation, 3-sigma limit and 6 or 8-sigma spread.

6061. The Surveyor's Helper.

This is a very useful program for use in surveying work. It will calculate the error of closure or forced closure and will deal with up to 15 courses on any one traverse.

6062. Plotter.

This is an excellent very professionally written program. It develops a high-resolution dot graphics plot of the formula of your choice and then will give a full screen blow up of the plot.

6063. Ohm's Law.

This is a handy program that solves problems for any data involving the use of Ohm's Law.

6064. Power-Calc.

This is a series of three programs (each sold separately) that is most complete and well done. 6064/1 deals with Power Supply Design for a full-wave bridge rectifier; 6064/2 is for a Zener diode regulator; 6064/3 is for a full-wave rectifier. After input of your data, the program does all calculations and presents them for review. It then gives you a hi-res drawing of the power supply design. Excellent.

6065. 555 Circuit Analyzer.

A 555 circuit analyzer that develops all operating parameters based on the data you input.

6066. Lagrangian Interpolator.

This program very quickly finds the function of one number to another based upon the up to 10 data pairs that you supply.

6067. Reactor Kinetics.

A commendably well done program working with nuclear reactor kinetics. All data can be constantly changed to view the effects of any change on all the other factors. Excellent program development.

6068. Ham Antenna Builder.

An excellent program for the ham operator. Generates all pertinent data for 10 different types of antenna.

6069. Ham Log.

This program is used to prevent contest log duplication. We're sure all you ham operators out there know the value of this better than we do.

6070. Matrix Inversion.

This program returns the inverse of two dimensional square matrices.

6071. Solar Calculator.

No, not the kind without batteries, but rather a very useful tool for astronomers. This program calculates the solar azimuth angle, solar altitude angle, intensity of the solar beam and the sunrise and sunset for any given day anywhere.

- 6072. Surveyor's Calc.**
Gives a complete printout of a conversion of any number of tie lines to a single vector in land surveying.
- 6073. Microwave.**
A useful calculator program for those who work in the field of microwaves and related equipment.
- 6074. Hi-Res Plot.**
An excellent program giving a full screen hi-res dot graphs plot of any formula you input. It will plot up to 200 points and it is a wee bit slow but the results will be worth it.
- 6075. Discussion of the Curve.**
This is a high level programming job of work with curves that has many extras to make it quite versatile. Does med-res plots with blowups on any scale you input. Also does numeric calculations of integration on volume or area. Plots may be center screen or full left for a more complete graph.
- 6076. Pneumatic Control.**
This program does temperature and pressure calculations for pneumatic control sensors of many types.
- 6077. Antenna Aligner for Geosynchronous Orbit Satellites.**
It's all in the program title.
- 6078. Angle Conversion.**
Program makes conversion between angles, gradients, degrees, mils, radians, and also does all temperature system conversions.
- 6079. The Astronomer.**
A very complete program for astronomy students or buffs. Handles all computations and record searches utilizing the two data files that accompany it.
- 6080. Lenses.**
A program for the optometrist. It does all classes of lens data calculations including obliquely crossed cylindrical lenses.
- 6081. Linear Programming.**
Solves linear programming problems by Simplex method for up to 13 variables with 13 constraints.
- 6082. Molecular Weight.**
A very useful program that easily computes the molecular weight of all chemical compounds.

6083. Colorplot.

An excellent program with medium resolution to plot a function of two independent variables with automatic scaling. Functions can be defined mathematically or as sets of data. Plot is done in full color on screen.

6084. Plot Four.

Another excellent plotting program that can plot any four single-value functions simultaneously. Plot is done in high resolution dot graphics with a choice of two screen sizes.

6085. Graphs of Mathematical Functions.

A fantastic program in this category. It gives a tremendous variety of options and a broad range of mathematical, scientific and technical applications are possible. You may plot anything from a simple sine wave to a Folium of Descartes. Printed instructions from the IUG available for \$1.

6086. Simplex Method.

Another alternative Simplex method program for solving linear problems. Using DATA statements the data is easily changed from one application to the next.

6087. Equation Plotter.

This program will plot virtually any equation in rectangular or polar coordinates. It produces high resolution continuous plots.

6088. Histogram.

A truly professional and excellent job of programming. This program produces histograms with an excellent printout format. It comes with two data files as samples for familiarization with the program's functions. The program is well written and very easy to use.

6089. Multiple Variable Linear Regression Analysis.

Program will handle up to 164 cases with two dependent variables and 14 independent variables. Almost any conceivable variable can be created for use in this program. List end of program for other variables available.

6091. Planetary Orbits.

Delightful graphics make this technical program a lot of fun. It will calculate the planetary orbits based on your data input, but it also calculates sunset for any date or location all done with animation graphics of the event.

6092. X-Y Plot.

Truly excellent layout and presentation of this graphic data plotting program. Up to 100 points can be entered and during view of the graph, you may turn on or off a grid overlay. A very flexible and versatile program.

6093. Medical Lab Calculations.

Well written program that should be a great aid in a small medical lab. You input the data and the program will do all the necessary computations on tests for electrophoresis, urine and hematology among others.

6094. Boolean Truth.

This program creates a Boolean truth table for any expression with up to 28 variables.

6095. Coils.

Program calculates number of turns, layers, current, wire size of multilayer air core coils from regular inductance.

6096. Radio Log.

Program will store 100 shortwave station records on cassette tape (easily changed for disk use). Records can contain the station code, start time, comments and four favorite frequencies. This is a very well planned and versatile program. It will display your records by time or by station.

6097. Concrete Beam Schematics.

Excellent program with excellent graphics will show the placement of bars and reinforcement in the construction of concrete beams.

6098. Beam Moments.

Calculates beam moments and reactions from dead or live loads. Excellent graphics. Program can handle triangular or trapezoidal forms.

6099. Definite Integral.

For the calculus — this program will calculate the definite integral for polynomials, rational polynomials or the area surrounded by two polynomials. It will handle functions up to the 15th degree. Varying degrees of precision are available.

6100. Electrical Fault Current.

Program calculates the electrical fault characteristics for a variety of conductors in different conduits.

6101. Voltage Drop Calculator.

Calculates either the conductor size or the voltage drop for a selection of wire sizes and types.

6102. Statspak.

A nice little package for various statistical work. A well done program.

6103. Center of Gravity.

This center of gravity model program determines the stability of both round and rectangular objects. A time save for those who need to perform such calculations.

6104. Digital Logic Simulator.

This is a fantastic program for anyone interested in hardware circuit design. Enter all your variable values for the logic gates and the computer will draw and trace the circuit for you. Excellent layout should prove to be an invaluable tool.

6105. Roots of Polynomials.

Works with polynomials within the order range of 2 to 36. Solves for real and complex roots.

6106. Fluid Dynamics.

Program deals with all sorts of fluid dynamics power formulae.

6107. Beam Stress Analysis.

Handles computations on four different kinds of beam stress problems.

6108.⁵ Roots of Polynomials II.

This program is used to extract all possible or actual roots of numbers of complex and irrational roots. Very well done.

6109.⁵ Cartesian Plots.

Develops plots of arbitrary functions with variable resolutions. A very good program to add to your collection of plotting programs.

6110.⁵ Linear Programming II.

Uses the Simplex algorithm to list each feasible solution with constraints for inequalities, slack and artificial variable forms.

6111.⁵ Optimum Assignment.

Uses the Hungarian algorithm to determine the best assignment for each resource and activity in statistical use.

6112.⁵ Polar Orbit Sat/Trak.

This program calculates and displays the azimuth elevation, latitude, longitude and distance from you to various polar orbit satellites. Very useful for you ham operators.

6113.⁵ Butterworth Filters.

A truly fantastic programming job in layout, concept and graphics. The program calculates the resistor and capacitor values for 3rd order Butterworth filters, low or high pass, then draws the whole schematic for you!

6114.⁵ Hydraulic Design.

By giving pressures, flow rate and number of cylinders, this program will tell you the area needed per cylinder, the extension force and speed, retraction force and speed and horsepower required to turn the pump.

6115.⁵ Heat Sink Design.

Input the required dissipation in watts, the maximum ambient temperature in degrees Centigrade, etc., and this program will give you the information necessary to determine heat sink volume, thermal resistance, etc.

3.7. Home Ideas

7001. Buy or Rent?

A helpful program that is good in decision-making when you don't know whether to buy or rent something.

7002. Credit Card Management.

Keep track of your credit card charges with this program. It allows you to enter a new account, display or update, list all accounts and you may save or retrieve from your own data tape.

7003.¹ Family Tree.

By the use of data statements at the end of this program you can track past and present family history. A search feature allows easy access to all files.

7004. Lists.

An excellent program to store lists of birthdays, things to do, or other information either by use of data statements or cassette input. A good program; however, no instructions are available.

7005.¹ Records and Listings.

This is a two-part program with the first being comprehensive instructions. Use this program to store many different lists and records. A very good program.

7006. Mailing List.

One of the best cassette-based mail list programs we have seen. It will add, delete search and update names.

7007. Diet Manager.

In this disk only program, you create files to track weight control. An excellent program.

7008.¹ Household Budgeting.

An excellent program to track your monthly income and outlay. Several screen prompts cover all household items.

7009. Kitchen Aids 1 and 2.

A two-part program that converts measures for recipes. An excellent program.

7010. Home Package.

This three-part program does value appraisals, mortgage amortization and buy/rent comparisons. A very well written program that is a must for all homeowners.

7011. Eats.

By use of DATA statements in this program, you can pick the type of restaurant you wish to eat at, the type of entree, the price and location. A very useful program.

- 7012. Loan Comp.**
A very helpful program that compiles loans by interest, years and amounts.
- 7013. 7-day Clock.**
This program features a seven digital clock, options for 14 write-in messages, 1 for each am/pm segment, 5 programmable sonic alerts, and top of the hour and half hour beeps.
- 7014. Automobile Comparisons.**
Shopping for a new car? This program compares several different automobiles and what true cost differences are.
- 7015. Yearly Facts.**
This program allows the user to enter messages at any given calendar date, then recall the messages by simply typing in the month and day.
- 7016.² Computer Medi-Alert.**
A what-to-do if program that covers a broad range of medical information dealing with overdoses of drugs, alcohol or poisons. A must for every home.
- 7017. Cookie File.**
Use the 15 recipes that are given or change to create your own favorite cookies. This is a great program for anyone with a sweet tooth. See Cookie File II (7047).
- 7018. Heat Audit.**
Audit energy usages for the months of October to May. This program includes predefined rates for most metropolitan cities. Fuel units can be entered in any energy form.
- 7019. Cool Audit.**
Audit energy usages for the months of April to November. A must program for the energy conscious homeowner.
- 7020. Income Averaging.**
An excellent program that lists amounts to be entered on schedule G of your 1040 form for taxes.
- 7021. Paycheck Manager.**
An excellent program which keeps track of your withholdings from your weekly paycheck. This program will be invaluable at tax time.
- 7022. Bill Tracker.**
Excellent program for tracking monthly expenditures on credit cards, fixed and variable household bills. All data is saved to cassette for easy retrieval. A fantastic program for record keeping. Bestseller, E99 1:2:12.

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7023. Health Test.

Written by a physician who own a 99/4 and based on government statistics, this program may hold the key to longer life.

7024. Nutritional Scoreboard.

Choose from different food groups to find the nutritional value. Program offers an index and analysis section.

7025. Family Tree II.

This family tree program allows disk file storage of family members. Menu driven, it is easy to operate. An excellent programming job.

7026. Ancestral File.

Excellent program for maintaining disk files on complete family history. Menu driven and easy to operate.

7027. Home Check Processor.

This program allows the user to file, sort, add, and manipulate all of your house checking chores. A very well done menu driven program that is easy to operate. Bill Tucker has created a program that should grace each 99/4 owner's library.

7028.² Note Book.

A great little program that acts as a daily note book. You can enter up to 80 lines of text per day and recall them at any time. A fantastic help to those who like to be organized. No edit features.

7029. Gas and Electric Usage.

An excellent program for all 99/4 owners. By the use of DATA statements that you supply, you can create a bargraph for consumed power. Programming technique is superb.

7030. Personal File.

A file keeping system for your personal records. Files are saved and read from tape, editing and search capabilities are included. Easy-to-follow format.

7031. Record Collection.

DATA statements are used to keep an inventory of your record collection. Records are displayed sequentially.

7032. Training Chart.

A record keeping program to chart training progress. Could be modified for other purposes. A little short on instructions, but not too hard to figure out.

7033.² Nutrition.

This program turns your 99/4 into a dietician. You input food type and quantity, and it computes the calories and nutritional value. Could use better instructions, but not too difficult to figure out.

- 7034. Recipe.**
Create a file for your favorite recipes and will allow you to view the instructions to prepare them. Stores recipes using DATA statements.
- 7035. TV Schedule.**
This program will store your intended TV viewing on DATA statements. You can then recall them by day or title.
- 7036.² Bulletins.**
A computerized memo board. Notes are input via data statements. A very simple program that could use some work.
- 7037. Heating.**
This program determines the heating factors of your house. You can then try different improvements, and it will estimate your savings. A good program, but one problem: it references a map, but none is supplied.
- 7038. Gains.**
Plan your savings. Enter starting amount, amount of deposit, number of times per year deposit will be made, average interest rate, and number of years. Screen will display a year by year projected savings balance.
- 7039. Library.**
Can't find a book when you need it? This program will catalog your collection by using DATA statements. It can search for books by author, title, subject, or keyword.
- 7040. Freezer.**
Avoid food spoilage with this freezer inventory program. It will keep track of 115 contents and expiration dates. It will also allow you to list them many ways.
- 7042. Wine Inventory.**
Stores your personal wine data in DATA statements in the program and you have the information about your wine collection at your fingertips. Quite useful.
- 7043. Perpetual Calendar.**
A very professional job of programming, this program combines a clock and a perpetual calendar in one. Very well done.
- 7044. Triple Timer.**
Another winner from West Germany. This is a stopwatch, alarm clock and regular clock all in one. An excellent program that is very well done.

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- 7045. Annual Budget.**
A very flexible program that will generate full year budget data in many useful categories. Should be most helpful in easing money chores and knowing where it all goes. Very easy to use and understand.
- 7046. Household Budget Aid.**
A useful adjunct to the Household Budget module (PHM 3007), this program will prepare totals of all the Household Budget categories.
- 7048. Checks Balance Printer.**
Balances checkbook, sorts checks and gives a printout. It can be modified easily to use an impact printer.
- 7049. Cookie File II.**
A TI Basic version of Cookie File (7017) for those who do not have Extended Basic.
- 7050. The Grocery List.**
A great timesaver for any busy housekeeper. This prints a list of only those things you need. There is room for 999 different items. Prints lines for notes and comments. Lists quantities.
- 7052. Budget Controller.**
A very complete and well written program for developing and maintaining budget data. Easily adapted to disk use.
- 7053. Menu Planner.**
Using DATA statements, you can develop menus and then automatically print out a shopping list for them.
- 7054. Mortgage Spreadsheet.**
Will give a year by year printout of mortgage payments with a complete breakdown of principal, interest, and balance.
- 7055. Home Budget Spreadsheet.**
An excellent program in presentation and concept. Using a static screen display, you are given a spreadsheet for budgeting work and see instant changes in all data on changing input. Most useful.
- 7056. Furniture Arranger.**
You rearrange your furniture the easy way — with a joystick. With this program you can move different pieces of furniture around to get the one you find most pleasing. Husbands, rejoice!
- 7057. Diet Right.**
A most complete program for proper nutrition and diet. Gives a lot of data about daily needed intake, nutritional breakdown of food and recommendations.

- 7058. Fuel Comparator.**
Does fuel comparison costs for different types of energy, including solar power.
- 7059. Savings Account Number.**
A very useful program that figures interest earned between any dates you choose. It also updates for deposits and withdrawals.
- 7060. Checkscanner.**
This program will handle data on your last 20 checks written. You can then scan them to read data based on your choice.
- 7061. Dateminder.**
A useful program to keep track of important occasions. You can store up to 50 items and then search for them based on data or the name of the occasion. Easily adapted to disk storage.
- 7062. Menumaker.**
A useful tool for the busy person. This program will create menus for you at will. Data is stored in DATA statements so you can change them to suit your particular food desires. A very flexible program.
- 7063. Home Account Manager.**
A very good program for maintaining home finances and accounts. You can maintain data for 12 separate accounts for one full year. As an extra, the program even has password protection to keep unwelcome eyes from seeing your data.
- 7064. Expense Tracker.**
This home expense tracker will maintain data on 20 separate categories for one full year. Data file is stored on cassette so you can recall, add, etc, at any time. A very good program.
- 7065. Personal Directory.**
A truly excellent program both in concept and execution. This develops an address and phone number directory for home use. But also it sorts your data and alphabetizes it for you. Give it a try.
- 7066. Amortization.**
A well laid out program which figures home payments, interest and principal on any loan on a per year basis.
- 7067. Home Banker.**
Use this program to reconcile your bank statements and keep track of any errors in your account.
- 7068. Burglar Alarm.**
A truly novel and creative use of the TI-99/4A Home Computer. Using the joystick port and a few items you can turn your computer into a full time alarm system. Complete instructions are given in the program.

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7069. Home Finance.

This program will help you to make decisions on savings or loan matters.

7070. Fuel Cost Comparison.

This program compares different fuel costs to help you find the most economical means of heating your home. Energy sources included are oil, gas, wood, LPG, electricity or heat pump.

7071. Utility Bill Analysis.

This is a wonderful program to keep track of what you are using and spending on utility bills. You can maintain data for up to 10 years and check on a month by month or year by year basis. It also computes use averages for your gas and electricity. With this program you no longer need wonder where your money is going for utilities.

7072. Custom Home Budget.

A program that is most useful for anyone who wants long term tracking of income and expenditures. You create a tape data file of 24 different budget categories with special deductible and expense files. You can manipulate data to give you month to date, year to date, relative comparisons of costs and expenses over a set period. Very well thought out program.

7073. Damper Maintenance.

This program teaches you how to maintain your furnace dampers for maximum energy conservation and efficiency. Easy to follow with nice graphics.

7074. Auto Loans.

A program that calculates auto loans over different periods and varying interest rates then shows you a comparison differential.

7075. Poison Prevention.

A program that is a very complete tutorial on poison-proofing your home. As stated in the program, this one should be used by everyone in the family before it's needed.

7076. Household Inventory.

This program utilized DATA statements to store all your pertinent information about your household furnishings and possessions. It is quite versatile and with it you can list items by room, item, cost or items within a given value range. In each option you are given the appropriate totals for each category.

7077. Cutcalc.

The perfect all-purpose answerer to the question: "How many pieces of this size can I get out of a piece another size?" All you have to do is tell is what you want and zap — there's the answer. This is an invaluable tool for all sorts of home applications.

7078. Household Accounts.

This program tracks, stores, recalls, revises and prints household account data that are divided into 46 categories for a full 12-month period. Account entries are automatically totaled and prepared for review in compacted category format. Truly a great adjunct to home computer finances.

7079. Master Index.

This is an excellent disk based program for establishing a base of 300 records. It has a built-in set of special symbols for use in management of your software. Records can be sorted for printing in your desired order. Very flexible and versatile and easy to use.

7080. Lists II.

A very clear and easy to use program. It will create 100 pages (screens) of 20 lines of data each of which can then be stored on cassette. Many types of editing of data are possible. Makes a good mini-database.

7081. Tax Estimator.

A very well done program that keeps track of your income. It will create up to the minute listing of Schedule A and the 1040 form. It shows refunds due and does automatic withholding calculations. Data is stored on cassette but can be adapted for use with disk.

7082. Financial Calculations.

An excellent all-purpose program for many home financial calculations. It deals with home mortgage data, credit unions, investment growth and investment equity. It does check balances, budget calculations, and sums and averages. Very worthwhile.

7083. Home Budget Analysis.

This program will handle 29 separate accounts for home budgeting. It has an excellent layout and contains a complete set of built-in instruction. Among other things, it will chart comparisons between actuals vs. budget, balance vs. budget, or percentage vs. budget.

7084. Magazine File.

This creates a data base to store data on magazine articles. You can store article name, magazine name, page number and date in each record. The program then sorts all your records by date for easy search. Easily adapted to disk and many other applications.

7085.⁵ Computer Bartender.

Tell the computer what you have on hand and it will tell you what drinks you can make. It then gives you the recipe to follow and gives a beautiful graphics presentation for what the drink should look like. Very well written. Now, if it could only mix them!

7086.⁵ Soc-Sec Predictor.

This should prove invaluable to a large group of people. Just tell the computer your age, what you earned and when and it will tell you what you can expect your Social Security benefits to be.

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7087.⁵ Nutrition Calculator.

Of great utilitarian value for health-conscious and dieting individuals. Up to 27 food categories are listed. Tell the computer how much and what you ate on any day and it will give you the nutritional values of your intake.

7089.⁵ Degree Days.

Using degree day ratios, this program can be used to calculate the heating and cooling needs and costs for your home. It may be an invaluable tool for predictive fuel budgeting.

7090.⁵ Personal Property.

This can be used for maintaining an inventory of all of your personal belongings. The data is stored on cassette but the program is easily adapted to use disk. Each record contains data for serial and model number, name and five lines of remarks.

7091.⁵ Mailing List.

This is an expanded version of #7006. With it you can now sort the list with two kinds of search, and print mailing labels. If you have #7006 and Extended BASIC, this is a wise investment to upgrade your program.

7092.⁵ IRAs.

This program uses DATA STATEMENTS to store all your information on IRAs. With it you can predict future earnings and income based on any variety of inputs you choose.

7093.⁵ Blackjack Tutor.

Learn the intricacies of the game at home before you go out and put your money down. This is a very good program to learn and practice at Blackjack so you too can become a "high roller".

7094.⁵ Credit Union Loans.

A very complete program that tracks revolving credit union payments and accrued interest charges. Very well done, it can also be used for monitoring charge card activity. Data is stored on cassette but program can be easily modified for use with disk.

7095.⁵ Heart Health.

This is a most useful and desirable program for the layman to have at home. With it you can run a simple self test on your proclivity toward cardiac problems or heart attack. You answer simple questions on life style, etc., and get your rating. Remember, a warning in time. . . !

7096.⁵ Bill Tracker.

Extended BASIC version of #7022. Still uses tape-based data files, but can be easily modified for use with disk.

7097.⁵ Trip.

Helps to plan your vacation using a pre-check list, a packing list, and a complete cost estimator. Vacation, here we come!

7098.⁵ Tax Estimator.

Extended BASIC version of #7081. Again, this program can easily be modified for use with disk.

7099.⁵ Football Predictor.

Using your own input, the computer will tell you which team will win and the score of the game. A very well-thought-out program, and excellent for those armchair quarterbacks.

7100.⁵ Home Money Management.

A unique program which analyzes three specific home financial decisions: IRA accounts, Savings for your children's college, and Home-buying. A very well-written program.

3.8. Miscellaneous and Utilities

- 8001. Decompression Calculation.**
A must for the scuba diver. Using workman model, find out what decompression timers are needed.
- 8002. Elliptical Orbits.**
This program computes the position of any minor planet, given its orbital elements. Plus much more.
- 8003. Full Moon.**
This program will compute the new and full moon cycle for any given year. See Moon Watch (6057).
- 8004.¹ Rect/Sun.**
This program will tell you the rectangular coordinates of the sun on any given day.
- 8005. Golf Handicapping.**
This program adheres to the USGA system as closely as possible. Establish your course rating, then enter previous scores up to 20 to find out your true handicap. Bestseller, E99 1:2:12.
- 8006. World Map.**
This program will print a map of the world and allow the user to plot up to 28 latitude and longitude points. Very educational, very entertaining, very good.
- 8007. Currency Convert.**
This program allows the user to convert currencies from one type to another and vice-versa.
- 8008. Model Rocket.**
This program analyzes model rocket design from input statements. This program will also help in perfecting your rocket design.
- 8009. Calendar.**
If you want to find a date between 1600 and 2399, then this program is for you. Additional features allow you to print any calendar.
- 8010. Football Rating System.**
A nifty system for rating college or pro football teams with states provided by you. Information is saved on cassette for retrieval any time. Excellent program.
- 8011. Mail Prep.**
This program is a must if you are a Source subscriber. It allows you to create a letter file that can be easily dumped into source mail while using the TE II and a disk system. A most innovative program.

8012. TE II Log-On File Generator.

A great revision of TI's log-on file for the TE II. The program allows you to generate a new log, load an old log, list, print, edit or store a log. A must for all database users.

8013. Spriter.

A very useful program that allows you to define four character sprites on the screen. It will then give you the 64-digit code for those sprites.

8014. Basketball Stats.

From Alabama comes this great Basketball Stats program. An ideal score keeping chart to use during the games.

8015. Basketball Stats Part II.

This program will provide stats for an individual player and scoring stats for his team. An excellent program.

8016. Orbit.

Based on the polar orbit of Oscar 8. This program prints out successive orbital equatorial crossing times and longitudes for satellites in polar orbit.

8017. Bowling Team Records.

A great bowling secretary program which allows the user to input week's scores, display team summary, input a new team member, and display bowler's records. Menu driven, this program is a must for the serious bowler.

8018. Smoker's Test.

A self assessment test that tells smokers why they smoke. A very thought provoking program.

8019.² Auto-Run.

A must for owners who have disk systems. Program automatically catalogs raw disks, then offers an auto-run feature.

8020. Title Generator.

A super program that creates colorful title screens that can be transferred to video cassette players. An extremely useful program.

8021.² Amazing Mets.

The history of one of baseball's most amazing teams is categorized in this unique program. Follow the 1969 NY Mets on their road to victory through this program.

8022. Weather Station.

This program draws a station model based on information you give it. Not a program for amateurs.

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8023. Shrink.

A must for the serious programmer. Shrink will do just what its name says. It reduces the memory needs of your program by removing all REMs, shortening all variable names, and replacing all 1s with @, saving 2 bytes per 1. Total memory savings can be substantial.

8024. Tape File.

Having trouble keeping track of all the programs on all those cassettes? This program will create an indexing file to keep them straight.

8025. Alternating Character.

This will help you program motion into your graphics. You input two 4-character hex strings and they are alternately displayed.

8026. 2 x 2.

A simple program which allows you to enter four characters as hex strings which it then interprets and displays.

8027. Bowler's Secretary.

A most complete record keeper for bowling team or league. Computes a great variety of data and stores it on cassette. Two programs.

8028. Disk Indexer.

Uses DATA statements to make a master of all your disks and what is stored on them. Very useful.

8029. I-Ching Caster.

Tosses the sticks for you and prints the hexagrams on screen. You then look them up in an I-Ching book for the meaning.

8030. Conversions.

A utility program that is very useful for all sorts of conversions of temperatures, factorials, logarithms, coordinates, nth roots, sound pressure, etc.

8031. Astrologer's Helper.

Not a game or forecaster. This is a highly technical program used for calculating all the mathematical data for preparing a horoscope. Should be most useful for the serious horoscope preparer.

8032. Election Forecaster.

Based on data you provide as the precincts report in, this program will project and predict the outcome of the election.

8033. Journal.

This program provides a 10-page journal with 24 lines each to keep track of your activities. You can search either by page number or by date of entry. Data can be stored on tape or program can easily be altered to use disk. A very useful and well written program.

8034.³ Stage Blocker.

Using the graphics abilities of the 99/4 you can do your blocking for stage productions by computer instead of running around on stage with miles of tape. Very useful for amateur theater groups.

8035. Scorekeeper.

This is a complete program for maintaining data on games played and scores of games. Lots of features.

8036. Basic Primer I.

A user version of Teach Yourself Basic that is well thought out and quite clearly presented. Companion to Basic Primer II (8037).

8037. Basic Primer II.

The continuation of Basic Primer I (8036). Both are extremely helpful programs.

8038. Hexdump.

Gives a hex dump of memory contents on demand. Search any part of memory you want on a selective basis.

8039. Graphic Disk Catalog.

Presents a catalog of files on disk with a graphics presentation of how much space each file occupies. Clearly done.

8040. Morse Code Generator.

Creates the proper code at the touch of a key. Can be adapted to other uses in Morse code applications.

8041. Joysticks Plans.

Graphics plans for constructing your own joysticks. Well done.

8042. Bubble/Shell Sorter.

A combination program giving you both bubble sort and shell sort. You can take out what you want and incorporate it into other programs where you want to do sorting.

8043. The Peeker.

A program designed for merging with other programs. You can then use it to see contents of memory from within the program.

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- 8044. REM Remover.**
Will remove all REM statements from programs so that they will take up less memory space and run faster.
- 8045. Soccer Statistics.**
Maintains records and statistics on a soccer team. Data is stored on cassette but may be adapted for disk.
- 8046. Cassette File Demo.**
A short demonstration program that teaches you how to work with cassette files.
- 8047. Program Compressor.**
A fantastic must for programmers. This program will take regular Basic programs and convert them to multi-statement Extended Basic programs. Will also clean up loosely written Extended Basic programs. Saves a lot of memory and storage space.
- 8048. Conversion Tables.**
A multi-purpose conversion program dealing with bases, metrics, temperature, volumes, areas, etc.
- 8049. Cross-Reference.**
Another great utility of three programs in one that will give you a cross reference table of variables, line numbers or once-used variables to aid in debugging a program.
- 8050. Baudot Simulator.**
Simulates a teletype punched tape of your input.
- 8051. Cryptographer.**
A useful program for encoding or decoding data and for learning about coding systems.
- 8052. Enigma Machine II.**
An excellent program for encrypting and decrypting messages and data. A very useful and well written program.
- 8053. Golf Score Recorder.**
Use DATA statements to store a variety of data on course, date and scores. The program then sorts this data in several different ways and then computes the averages.
- 8054. Fog Index.**
After just reading something, have you ever wondered what it was that the writer was really saying? This program will calculate the readability of a sample of text. Great to analyze those letters from the politicians. Programs give breakdowns of length of words, number of words and indexes readability.

- 8055. Basketball Statistics.**
Scorekeeper and projector for using during the game. Quite well done program. See Football Statistics (8056).
- 8056. Football Statistics.**
Similar to Basketball Statistics (8055) but written for football.
- 8057. Power Rater.**
Generates and prints power ratings for different sports teams.
- 8058. Prioritizer.**
Helps to make choices and decisions based on your input of priorities.
- 8059. Aphorisms.**
Running for something and need a catchy sign or saying? Then let this program do it for you. Some are absolutely hilarious.
- 8060. IRA Comparator.**
A useful program for those with IRAs or contemplating one. This program gives you the differences in chart form of tax savings you can achieve.
- 8061. Computer Inventory.**
Maintains a data file on all your hardware and software with updated totals. Can be used for other things too.
- 8062. Jogger's Pace Calculator.**
This program calculates and projects the pace necessary for running different distances in different times.
- 8063. Harness Racing Averager.**
This is quite complete and will generate racing time averages for up to eight horses.
- 8064. Archery Team.**
Generates averages and team scores for archers.
- 8065. Mileage Manager.**
A marvelous program that is very complete and well written. You can maintain data files on your car's gas consumption based on your 10 latest fillups. Maintains complete statistics. A must in these days of high gas prices.
- 8066. Line Editor.**
This is an extremely useful program for programmers. With it you can delete whole sections of program code without deleting it line by line. A great time saver.

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8067. Banners.

Make a birthday card they won't forget. With this program you can print all sorts of banners for many uses. Well done.

8068. Inkblot.

An interesting program to print out some tongue-in-cheek Rorschach tests. The designs are novel and pretty and make a fun party activity.

8069. NFL Statistics.

This program comes with its own data file to maintain a complete file on NFL statistics and data. This is then used to make predictions of several types.

8070. Yearly Journal.

These programs are absolutely excellent. With them you can create a yearly appointment calendar with each month on one 8.5" x 11" page. You will also have room to write notes in each day's box. Exceedingly well done programs have only one drawback — you no longer have an excuse for forgetting that important birthday. 8070/1 also requires Expansion Memory and is disk only. All you need. 8070/2, 8070/3 are two halves of the program if you do not have Expansion Memory. 8070/2, 8070/4 for people who do not have a disk drive or Expansion Memory.

8071. Vital Statistics.

A very comprehensive program to maintain a data file for all sorts of organizations or clubs. It includes a sort routine to keep all records in order. All clubs, social or church organizations need this one.

8072. Miscellaneous Utilities.

This is a collection of useful programs all in one. Functions include a sorter, carpeting estimator, depreciation, mortgage payment with varying down payment and a unit pricing calendar.

8073. Gymnastics Team Scorer.

Maintains scores and records for up to nine gymnastics team.

8074. Life.

A superb program of great use that calculates and predicts a person's life expectancy based on one's particular lifestyle. But what makes this different is the outstanding use and number of graphics in the program to entertain you while using it. A really creative approach to graphics enhancement of a program.

8075. Metric Converter.

A very well written program to handle all sorts of metric conversions back and forth. Now you can be the only one on the block who knows what a femtosecond is!

8076. The Psychiatrist.

Run this program and you have a private session with your personal psychiatrist. Loads of fun for groups to laugh over... or maybe even be serious about.

8077. Baseball Statistics.

Keep all your important baseball statistics on a handy cassette data file. Re-input data at any time to make changes.

8078. Credit Card Inventory.

This program maintains a cassette data file of all your credit cards and their activity. You may add, change, or delete data at any time. Stop paying for someone to keep the records. You can do it yourself.

8079. Jib Sail.

A sailor's inventory program and locator for sails on a boat. Also covers deck hardware storage and location.

8080. Printer Tester.

With this program you can run tests on all the special functions and modes of an Epson or TI Impact Printer. Easily adapted to use with other brands.

8081. Screen Dump.

This program gives a dump of any screen display to the printer. Printout will be about 4x5" with a resolution of 480 dots per inch. You can merge this with any program to use whenever you want. Be forewarned, average printout time is about 50 minutes.

8082. Printer Tutorial.

An excellent tutorial program for an RS232 printer. As you learn from it, it prints the information out for you.

8083. Coupon Clipper.

This program utilizes DATA statements to store all your information about discount coupons you are saving. A great organizer.

8084. The Romantic Poet.

You'll think that it thinks. The program generates remarkable poetry.

8085. Category Sorter.

A utility program that sorts names into various categories by using different codes.

8086. Chess Club Data Bank.

A great program that can be adapted to many other uses. As it stands it stores data, figures club member ratings, sorts data and then will print your club membership.

8087. NAIA Basketball Stats.

A program for handling NAIA statistics.

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8088. The Soft File.

Using DATA statements you can store all the information about your TI software and modules. It is then presented in several categories.

8089. Sorting Group.

A utility program with four types of data sort: bubble, shell, gap exchange and breakdown (ripple) are given. You can store the sorted data on tape or recall data from another tape file. Most useful.

8090. Krypto.

A coding program with an excellent layout. You can encode or decode and have a static screen to work on with no annoying scroll. Very good programming job.

8091. Program Search.

A utility program of great value. You can LIST any program to disk and then search for the occurrence of any variable you want. A great timesaver in programming.

8092. Dotbar.

An interesting program that generates a variety of patterns on your TV set for alignment or adjustment.

8093. Encrypt.

This program provides for the encoding or decoding of messages with the use of a keyword that you supply. Your message is encoded and saved on tape. The keyword is then destroyed so that no one can decode your text without it.

8094. Bowling League.

An extremely versatile, well-written program for bowlers that keeps up to 60 records. Data is stored on cassette for later recall or update. Could easily be adapted to other team sports.

8095. Golf Score Analysis.

This is a very versatile record keeper for the golfer. With it you can calculate hole averages, handicap, and data hole by hole, round by round or for all rounds. This will surely keep all honest.

8096. Football Forecast.

This program computes and projects future scores of football teams based on past performance data that you provide. It not only predicts the winner but also by what point spread. Wanna bet.

8097. Skis.

A rather simple program that is quite useful for skiers. You tell it all about yourself and your preferences and it tells you just what kind of ski is best for you.

8098. Personal Biology.

Learn more about the health of your body with this program. Input data about your blood pressure, lung capacity and other data and it will calculate the real physical age of your body. Good to see what you should change in your lifestyle before it's too late.

8099. Distance Finder.

Based on input of latitude and longitude and your reference point you can calculate the exact distance to any point on Earth.

8100. Star Travel.

Ever wonder how much younger you would be on return from a high speed space journey than if you stayed home? Here's how to figure the answer.

8101. Ideal Weight.

An excellent programming job. Based on your input you can figure out what your ideal weight should be. Program also supplies you with a personal list of how your body uses calories over a wide range of activities.

8102. Horizontal Scroll.

This program is a tutorial and demo on how to use the accompanying assembly language program 8102B. With this program, called through Extended Basic, you can have a very smooth horizontal scroll (ticker tape style) of any text on any screen line. 8102B can be called from any program with CALL LINK.

8103. Bubble Sort.

This is a demo and tutorial on how to use 8103B, an assembly language sort routine. Program runs very fast on small batches of data.

8104. Frequency Counter.

Program will count the frequency distribution of all letters and diagram used in any body of text.

8105. Minisaver.

An invaluable utility for programmers interested in the internal structures of the 99/4(A). With it you can dump the contents of Mini-Memory to disk or vice-versa. You can also dump the contents of areas of memory to disk, run a printout for inspection and then transfer that data to Mini-Memory. Should prove to be most useful.

8106. Basketball Statistician.

This program module is a very complete basketball statistics records keeper. It prints out its own set of instructions for use. The whole module consists of the following programs in addition to the base program: 8106I, the instruction program data file; 81061, instruction printer program; 81062, initialize data files program; 8106D, sample data file. Donated by Texas Instruments.

8107. Color TV Tester.

With this program you can test how well your TV set works. It runs eight different tests for height and width, screen, color purity, dynamic convergence, screen/DR balance. Very well done with good instructions to tell you how to evaluate the test.

8108. Weather Data Station.

Using DATA statements you store weather data for each or any date of your choice. Program gives temperature graphically in both Celsius and Fahrenheit and gives weather conditions. Excellent for anyone who needs to maintain such types of records.

8109. Mini-Mem Linker.

A really useful program to store a data file of your phono records in the Mini-Memory to make it transportable. Can be adapted to many other data storage uses.

8110. Speech Synthesizer Vocabulary.

Program allows you to search through resident vocabulary in Extended Basic module. Good for programmers who want to develop programs using this speech facility.

8111. Mini Database.

This program allows you to create a mini-database of various records and stores your data file on cassette. Can be adapted to use disk and can be changed and expanded on in format. A good way to get your feet wet in database usage.

8112. Photographer's Helper.

Thirteen categories of data useful to the photographer are available in this program. Data tells aperture and lens settings for all sorts of conditions from aerial to underwater photography.

8113. Video Tape Library.

This is a database for maintaining records on your video tape library. It contains the full complement of facilities for sorting, deletes, changes, etc. You can also print out reports to have a hardcopy list for ready reference. Quite well done. Easily adapted to disk.

8114. Point Spread Calculator.

OK all of you high rollers in the football pool. Here it is. The author of this program claims accuracy in point spread prediction exceeding that of the books in Las Vegas. After only a few weeks of entering a few lines of data, it should do wonders for you.

8115.⁵ Memory Disassembler.

This program is a valuable utility for advanced programmers who want to have a closer look at what is in memory in the 99/4A system. You may do a memory dump to disk or printer with it. A very well done program.

8116.⁵ Square Dance Timing.

An excellent program for Square Dance callers. You just enter your "routine" of calls and it automatically counts the beats for you.

8117.⁵ Bin/Dec.

A good utility for those who work in number bases of binary and decimal. With it, you can convert numbers of either base back and forth with ease.

8118.⁵ Downlink.

A really useful program to calculate antenna alignment for most satellites. Most useful for both CB and television channels.

8119.⁵ Software Library.

Program allows you to search and sort on any category of data in this database to keep track of all of your software. With it, you can print out reports of your library. Extremely well written and organized. Easily adaptable to store information on data of a similar nature. You have five fields of data to work with. A great buy!

8120.⁵ Logic.

This truth table program uses a Boolean equation input to analyze logic circuits.

8121.⁵ Reaction.

From West Germany comes this test of your reactions. It's tough to beat the tone on the higher levels!

8122.⁵ Frame-Up.

Using your input, this program calculates the rough material cost to add on any size room. Gives total square footage.

8123.⁵ TE-II Speech Aids.

This program shows you how to use the TE-II to make the computer's voice sound lifelike. A great programmer's aid.

8124.⁵ Prowriter Tutorial.

A great tutorial program for the owners of the 8510AP Prowriter printer. Some neat tricks are shown.

8125.⁵ Catalog Bar Graph.

Displays a bargraph of the percentage available and percentage used of your diskettes. It will then print a disk catalog. This is a great utility.

8126.⁵ Blood Alcohol.

Test to find out your blood alcohol level. Watch out for the other driver!

8127.⁵ Combustion Calculator.

Program performs combustion calculations for solid and liquid fuels.

8128.⁵ Cylonese Character Analysis.

A computer generated analysis of your character. By merely holding your palm against the screen, the computer will give you a fair analysis. Great fun!

8129.⁵ Spanish Accents.

A subroutine that defines accented Spanish letters and characters.

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8130.⁵ Bingo Caller.

Let the computer call the numbers for you, and keep track of them, too! A great one for church and schools.

8131.⁵ Fish Report.

Want to keep track of the best ones you've caught this year? This one will do it for you. Save the information to disk, or with a minor program change, to cassette. A must for the serious angler.

8132.⁵ Wind Chill Calculator.

Find out how cold it really is!

8133.⁵ Disk Label Printer.

Print catalog of your disk on a 4 x 1/2" label and keep it right on the disk where it's handy.

8134.⁵ Computer Character Set.

Using the data statements in this program, you can put a "computer torch" on any program.

3.9. Logo

3.9.1. Procedures

9001.² Banner.

9002.² Birds.

9003.² Bounce.

9004.² Cardinal.

9005.² Elephant.

9006.² Frog.

9007.² Carousel.

9008.² Kick.

9009.² Rooster.

9010.² Soldiers.

9011.² Spring.

9012.² Stork.

9013.² T.I. Bug.

9014.² Train.

9015.² U.S. Flag

9016.² Worm.

9017.² Wreck.

3.9.2. Patterns

9501.² Bear.

9502.² Patterns.

9503.² Picture.

4. Programs in Alphabetical Order

5459.¹ ? Pay.
5437. 1040 Form.
3243. 12 Days of Christmas.
3321. 12 Days of Christmas.
8026. 2 x 2.
2234.⁵ 3-D Bar Graphs.
6010. 3-D Plot.
6011.² 3-D Plot.
1152. 3-D Tic-Tac-Toe.
2160. 3 Screen Demo.
6065. 555 Circuit Analyzer.
6031. 555 Timer Circuits.
7013. 7-day Clock.

5502. Accounts File.
2162.² AC/DC.
1150. Acey-Ducey.
5561.⁵ Acreage.
3309. Across the Field.
6019. AC Volt.
4495.⁵ Addition Magician.
4410. Addition Practice.
4305. Addition Test.
5406. Addresses.
3370. Adelita de Tarrega.
3320. Adeste Fideles.
4474. Adrift in Algebra.
1279. Adventure.
1545.⁵ Adventure.
3240.¹ Adventures of Ivan.
4365. Aerodynamics.
4385. Aerodynamics II.
3300. A-Hunting We Will Go.
1456. Aim.
1054. Air and Sea Battle.
1098. Air Combat.
6055. Aircraft Design.
1220. Air Traffic Controller.
1520. Air War.
2207.⁵ Alabama!
3246. Album-Leaf.
4369. Algebra.
1196. Alien.

- 1207. Alien 3.
- 1424. Alien Buster.
- 1242. Alien Destroyer.
- 1352. Alien Rain.
- 1101. Aliens.
- 4472. All About Georgia.
- 3433.⁵ Alla Turca.
- 3239. Alley Cat.
- 1477. Alley Craps.
- 5438. Alpha Numeric.
- 4318. Alpha.
- 4413. Alphabet Soup.
- 4320. Alphanumeric.
- 4429. Alphastar.
- 1146. Alpine Skiing.
- 8025. Alternating Character.
- 6016. Alternator and Transformers.
- 3264. Amazing Grace.
- 8021.² Amazing Mets.
- 3353. America II.
- 3208. America the Beautiful.
- 5423. Amortization Schedule.
- 7066. Amortization.
- 6010.² AMP Circuits.
- 6020. Amp Circuits.
- 7026. Ancestral File.
- 3206.¹ Andante.
- 6078. Angle Conversion.
- 1055. Animal.
- 7045. Annual Budget.
- 5424. Annuities.
- 6003. Antenna.
- 6029. Antenna Aligner.
- 6077. Antenna Aligner for Geosynchronous Orbit Satellites.
- 1158.² Anti-Aircraft Gunner.
- 1202. Ant Wars.
- 8059. Aphorisms.
- 1209. Apollo.
- 1421. Apollo Lander.
- 3268.² Aquarius.
- 8064. Archery Team.
- 2131. Arithmagraphs.
- 4437. Arithmetic Drills.
- 4494.⁵ Arithmetic in French.
- 4406. Arithmetic Word Problems.

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- 1431. Art Auction.
- 3332. Arthur's Theme.
- 1065. Artillery.
- 1441. Assignment 46.
- 1221. Asteroid.
- 1236. Asteroid Belt.
- 1416. Astrobattle.
- 8031. Astrologer's Helper.
- 6024. Atomic Weight Calculator.
- 1555.⁵ Attack.
- 1267. At the Races.
- 1297. At the Races.
- 4379. A Typing Tutor.
- 5503. Authority for Expenditure.
- 1208. Autobahn.
- 5416. Auto Expenses.
- 5513. Auto-Graph.
- 7074. Auto Loans.
- 7014. Automobile Comparisons.
- 8019.² Auto-Run.
- 1096. Awari.

- 1254. B-1 Bomber.
- 1213. Baccarat.
- 3209. Bach.
- 3203. Bach #3 Minuet.
- 3229. Bach Mini Concert.
- 3285. Bach Recital.
- 3204. Bach's Minuet in B Flat.
- 3368. Bach Toccata Fugue.
- 1148.² Backgammon.
- 1438. Backgammon.
- 9001.² Banner.
- 8067. Banners.
- 5511. Bar-Grapher.
- 5485. Bargrapher II.
- 1066.¹ Baseball.
- 4386. Baseball Math.
- 8077. Baseball Statistics.
- 2100. Basic Demo.
- 1462. Basic Poker.
- 8036. Basic Primer I.
- 8037. Basic Primer II.
- 1473. Basketball.
- 8106. Basketball Statistician.

8055. Basketball Statistics.
8014. Basketball Stats.
8015. Basketball Stats Part II.
1523.⁵ Bataille Navale.
1532.⁵ Batcave.
1099. Battle for Iapetus.
1282. Battleground.
1142. Battlers.
1122. Battleship.
8050. Baudot Simulator.
6098. Beam Moments.
6107. Beam Stress Analysis.
9501.² Bear.
3337. Beatles Collection.
3256. Beethoven's 5th.
3277. Beethoven's 9th Symphony.
3426.⁵ Beethoven Variations*.
1576.⁵ Beginners Duck.
3250. Berceuse.
3397. Be Still My Soul.
3215. Bewitched.
4332. Bible Books.
1331. Bible Buzz.
1556.⁵ Bible Buzz.
4444. Bible Game.
1001. Bible I.
1002. Bible II.
5490. Bid Projector.
4442. Big Letters.
7022. Bill Tracker.
7096.⁵ Bill Tracker.
8117.⁵ Bin/Dec.
1491. Bingo.
8130.⁵ Bingo Caller.
4485.⁵ Biological Symbols.
4317. Biorhythms.
4326. Biorhythms.
9002.² Birds.
1401. Birdstorm.
6006. Black Body.
1151. Black Box.
1519. Black Box.
1379. Blackfish.
1334. Black Forest.
1003. Blackjack.

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- 7093.⁵ Blackjack Tutor.
- 1480. Blind Maze.
- 1245. Block Buster.
- 1160.² Block 'Em.
- 1485. Block Swap.
- 8126.⁵ Blood Alcohol.
- 1564.⁵ Bluebeard's Defeat.
- 1505. Boggler.
- 1344. Bomb Adventure.
- 1561.⁵ Bombing Mission #1.
- 1056.¹ Bombs.
- 1274. Bombs Away.
- 1153. Bomb Scare.
- 5552. Bonds.
- 1109. Bonkers.
- 3276. Boogie Oogie Oogie.
- 6094. Boolean Truth.
- 6012. Bore.
- 9003.² Bounce.
- 8027. Bowler's Secretary.
- 8094. Bowling League.
- 4370. Bowling Math.
- 8017. Bowling Team Records.
- 1126. Boxing.
- 1423. Boxing Match.
- 1203.² Break.
- 5483. Breakeven.
- 1380. Bridge Guard.
- 8042. Bubble/Shell Sorter.
- 8103. Bubble Sort.
- 5567.⁵ Budget.
- 7052. Budget Controller.
- 3254. Bugle Boogie.
- 2233.⁵ Bugs in the Gallery.
- 1294. Bug Spray.
- 2223.⁵ Building Blocks I.
- 2224.⁵ Building blocks II.
- 7036.² Bulletins.
- 3266. Bumble-Boogie.
- 2120. Bunny.
- 3278. Bunny Music.
- 7068. Burglar Alarm.
- 5532. Business Forecasting.
- 6113.⁵ Butterworth Filters.
- 7001. Buy or Rent?

2167. Caboose.
4435. CAI Test.
2153. Calendar.
4306. Calendar.
8009. Calendar.
1464. California Freeway.
4346. Call Key.
1045. Camel.
2221.⁵ Canadian Flag.
1040.¹ Cannon
1568.⁵ Cannonball.
4419. Capitalization Practice.
4335. Capitols.
1306. Captain Crunch.
1028. Capture.
1530.⁵ Carcasses & Cars Anew.
9004.² Cardinal.
4333. Career File Index.
9007.² Carousel.
1004. Cars and Carcasses.
6109.⁵ Cartesian Plots.
1336. Carwash.
4500.⁵ Casey.
5566.⁵ Cash Flow.
5523. Cash Assets.
8046. Cassette File Demo.
1231. Cat and Mouse.
5506. Catalog.
8125.⁵ Catalog Bar Graph.
4373. Catapult.
8085. Category Sorter.
1425. Cave Adventure.
1573.⁵ Cavern Chopper.
6103. Center of Gravity.
4518.⁵ Central America.
1552.⁵ Cerberus.
1558.⁵ Challenge of Camelot.
4371. Change.
2194. Character Designer.
1493. Charades.
3333. Chariots of Fire.
1502. Chars d'Assaut.
4471. Chart of Atomic Weights.
5407. Checkbook #1.
5432. Checkbook Balance.

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1057. Checkers.
1251. Checkers.
1114. Checkers #2.
5533. Check Ledger.
7048. Checks Balance Printer.
7060. Checkscanner.
5421. Check Sort.
8086. Chess Club Data Bank.
1205. Chicken #2.
1194. Chicken Helper.
1107.¹ Chief.
5435. Chisquare.
1449. Chomp.
2101. Christmas.
3315. Christmas Collection.
3411.⁵ Christmas Collection.
5439. Christmas List.
3238. Christmas Music.
2155. Christmas Screen.
1463. Chuck-a-Luck.
2188. Chug-Chug.
3335. Church Concert.
1188.² Cipher
1547.⁵ Circle.
4510.⁵ Circle Equations.
6007. Circuits.
2236.⁵ City.
1005. Civil War.
4503.⁵ Civil War Who's Who.
2147.² Clemson.
4300. Clock.
1238. Clones.
6041. Closed Loop System Analysis.
1177. Close Encounters.
3362. Close Encounters.
1542.⁵ Closeout!
3445.⁵ Close To You.
1263. Clueless.
1044. Code Breaker.
6095. Coils.
2144.¹ Colorado Flag.
3312. Color Bars.
2119. Colorburst.
1362. Colorcode.
2142. Color Combination Display.

2139. Color Crayon.
4301. Color Crayon.
2180. Color Crayon II.
2191. Colordraw
4359. Color Fractions.
1538.⁵ Color Logic.
4319. Color Math.
6083. Colorplot.
1565.⁵ Color Squares.
8107. Color TV Tester.
2132. Colour.
5484. Columnar Pad.
8127.⁵ Combustion Calculator.
6044. Comet Calculator.
5440. Compare.
5441. Compare.
5553.⁵ Comparison Bargrapher.
4351. Complete Square.
5518. Compound Interest Worksheet.
7085.⁵ Computer Bartender.
8134.⁵ Computer Character Set.
3325. Computer Christmas Card.
8061. Computer Inventory.
7016.² Computer Medi-Alert.
3403.⁵ Computer Metronome.
3385. Computorgan.
1198. Concentration.
1510. Concentration II.
6097. Concrete Beam Schematics.
4331.¹ Confirmation Exercise.
1371. Connect by Fours.
1136. Connect Four.
1407. Connect Four.
1149. Connect the Dots.
3345. Constante.
4421. Constellations.
5564.⁵ Contracts.
5425. Conventional Loan Analysis.
5427.¹ Conventional Step Loan.
5420. Conversions.
8030. Conversions.
6051. Conversions II.
8048. Conversion Tables.
5442.¹ Convert.
7017. Cookie File.

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7049. Cookie File II.
7019. Cool Audit.
1183. Cootie.
1448. Cootie XB.
1534.⁵ Copter Flight.
1446. Corral.
5534. Costcalc.
5491. Cost Effector.
5478. Costing.
4433. Counting.
3346. Country Dance.
4378.² Country Guess.
2201. Country Racing.
8083. Coupon Clipper.
5415. CPM.
1006. Craps.
1339. Craps.
1067.¹ Crash.
1182. Crazy Clown.
1030. Crazy Lines.
8078. Credit Card Inventory.
7002. Credit Card Management.
7094.⁵ Credit Union Loans.
5531. Cropmaster.
6013. Cross Correlation for Curves.
6015.² Crossover Network.
6038. Crossover Network Design.
8049. Cross-Reference.
1229. Crossword.
8051. Cryptographer.
1468. Cryptoquote.
1225. Cube.
1361. Cupid's Arrow.
8007. Currency Convert.
5555.⁵ Currency Converter II.
6018. Curve Fit.
7072. Custom Home Budget.
7077. Cutcalc.
8128.⁵ Cylonese Character Analysis.

7073. Damper Maintenance.
2151. Daniel.
1275. Darts.
5454. Data Base #1.
5558/D.⁵ Data File.

6004. Data Forecasting Divergence.
7061. Dateminder.
4325.¹ Day.
4347. Days Between Dates.
3241.¹ Days of Christmas.
1372. Dealer's Choice.
1444. Deathball.
1108. Death Tank.
6032. Decibel Calculator.
5442. Decisions.
5443.¹ Decisions.
8001. Decompression Calculation.
5444. Deductions.
3394. Deep Purple.
1102. Deep Space.
2204.⁵ Defender.
1408. Defense.
6099. Definite Integral.
7089.⁵ Degree Days.
3441.⁵ Delta Dawn.
2213.⁵ Demo II 99/4A.
2214.⁵ Demo III.
5428. Depreciation Schedule.
1093. Depth Charge.
5403. Derivative of Function.
1029. Desert.
2219.⁵ Dessins et Musique.
1290. Destroyer.
1159. Devil's Dungeon.
2149. Diamonds.
1115.¹ Dice Roll.
7007. Diet Manager.
7057. Diet Right.
6104. Digital Logic Simulator.
1230. Dimension Doors.
4403. Diphthong Drill.
5445. Directory.
6075. Discussion of the Curve.
8028. Disk Indexer.
8133.⁵ Disk Label Printer.
8099. Distance Finder.
4354. Divide.
1064. Docking.
5470. Doctors Billing System.
1137.¹ Dodgem.

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- 3248. Dog Gone Boogie-Woogie.
- 3249. Dog Gone Boogie-Woogie.
- 1218. Dog Race.
- 1129. Dominoes.
- 2190. Doodles.
- 1291. Doomstone.
- 8092. Dotbar.
- 3391. Double Eagle Rag.
- 3413.⁵ Down by the Riverside.
- 3435.⁵ Down by the Riverside.
- 8118.⁵ Downlink.
- 1154. Dracula.
- 1206. Dragon Hunt.
- 1066. Dragonmaze.
- 1068.¹ Dragonmaze.
- 1314. Dragon's Lair.
- 4362. Draw.
- 1353. Draw-a-Line.
- 2186. Draw 'n Color.
- 1296. Draw Poker.
- 4441. Drill Game.
- 1363. Droid.
- 1345. Duck.
- 3349. Duelin' Banjos.
- 1394. Dungeons and Dragons Character Creation.
- 1443. Dunk.
- 1058. Dunkshoot.

- 1518. Eagle I.
- 1550.⁵ Earth Defender.
- 2175. Easel.
- 1539.⁵ Easymaze.
- 7011. Eats.
- 1117.¹ Echo Chamber.
- 1199. Egg Wars.
- 8032. Election Forecaster.
- 6100. Electrical Fault Current.
- 1516. Electron.
- 6009. Electronics.
- 6023. Electronics Solver.
- 2220.⁵ Electronic Weaver.
- 4363. Elementary Arithmetic.
- 9005.² Elephant.
- 8002. Elliptical Orbits.
- 4473. El Profesor.

2210.⁵ Empire Strikes Back.
5475. Employee Pay Chart.
8093. Encrypt.
4461. Energy.
1046. English Tennis.
8052. Enigma Machine II.
2211.⁵ Enterprise.
2183. Entropy.
5461. Eqn.
6087. Equation Plotter.
5408. Estate.
5525. Estimated Tax Analyzer.
4397. European Capitols.
4446. Evolution Study.
1228.² Ex. Blackjack.
5481. Expense Account.
5508. Expense Journal.
7064. Expense Tracker.
1166. Extended Blackjack.
1212. Extended Golf.
2231.⁵ Extended Graphics Demo.
2202.⁵ Eye Glitter.

5401.¹ Factorial.
6037. Factorial II.
4361. Facts of Life.
1332. Falling.
3400.⁵ Fame.
7003.¹ Family Tree.
7025. Family Tree II.
1432. Farmer John.
2112. Fast Ship.
5541. Feeder Pig Analysis.
3419.⁵ Feels So Good.
6002. FFT 256 FFT Point Program.
6046. Fibonacci's Numbers.
3414.⁵ Fiddler.
3424.⁵ Fiddler.
3225. Fiddler on the Roof.
3226. Fiddler on the Roof.
3366. Fifty-Ninth Street Bridge.
4311. File.
7082. Financial Calculations.
5500. Financial Health.
5400. Financial Math.

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5540. Financial Math.
5462. Financial Planning Helps.
5479. Financial Ratio.
5497. Financial Worksheet.
4367. Fingerspelling.
1178. Fire.
1457. Fire Alert.
4376.² Fireball.
1460. Fireflight.
4341. First Addition.
2102.¹ Fishin'.
8131.⁵ Fish Report.
2103. Flag.
4308.¹ Flags.
2195. Flags of Europe.
4360. Flags of Nations.
5463. Flight Plan.
1553.⁵ Flight Simulator.
6106. Fluid Dynamics.
1173. Flying Sprites.
3359. Foggy Mountain Breakdown.
8054. Fog Index.
3420.⁵ Follow Jesus.
1086. Football.
1286. Football.
8096. Football Forecast.
7099.⁵ Football Predictor.
8010. Football Rating System.
8056. Football Statistics.
3247. Forest Roses.
4428. Fraction Drill.
4320.¹ Fractions.
4451. Fraction Solver.
8122.⁵ Frame-Up.
1247. Freeway.
1378. Freeway Escapade.
7040. Freezer.
4478. French Grammar Games.
1059.¹ French Tennis.
4458. French Verbs.
8104. Frequency Counter.
2156. Frequency Test.
3291. Frere Jacques.
4380.² Friction.
9006.² Frog.

1381. Frogman.
1489. Frogsplat.
3343. Frosty the Snowman.
7058. Fuel Comparator.
7070. Fuel Cost Comparison.
3207.¹ Fughetta.
3438.⁵ Fugue #2 in C minor.
3284. Fugue by Handel.
8003. Full Moon.
5562.⁵ Fundamental Analysis.
4512.⁵ Fun with Adjectives.
4513.⁵ Fun with Adverbs.
4515.⁵ Fun With Nouns.
4516.⁵ Fun With Verbs.
7056. Furniture Arranger.
5458.¹ Futval.
5456. Fuzzy Decision Making.

7038. Gains.
1490. Galaxy.
2187. Game Demo I.
7029. Gas and Electric Usage.
5536. Gemstone Appraisal.
5482. General Inventory.
4482. Geometric Coordinates.
6033. Geometry Calculator.
4423. GeoQuiz.
4356.¹ Georgian Calendar.
4312. German.
4501.⁵ German II.
4438. Gettysburg Address.
3252. Give a Little Whistle.
5509. Glass Estimator.
3430.⁵ Glendy Burk.
2189. Globe.
1262. Gobbler.
3200. Godfather.
1094.¹ Going Home.
1499. Golddigger.
1060. Golf.
8005. Golf Handicapping.
1524.⁵ Golf in French.
8095. Golf Score Analysis.
8053. Golf Score Recorder.
1069. Gomko.

TEXAS INSTRUMENTS
HOME COMPUTER

- 4391. Grade Book.
- 5527. Grade Point Averages.
- 4321. Grading System.
- 4377. Grading System.
- 1384. Grand Slalom.
- 2226.⁵ Grant.
- 1322. Graphic Adventure.
- 2215.⁵ Graphic Artist.
- 8039. Graphic Disk Catalog.
- 2178. Graphics Designer.
- 2206.⁵ Graphics Program Generator.
- 6085. Graphs of Mathematical Functions.
- 1256. Gravity.
- 3427.⁵ Greatest American Hero.
- 2217.⁵ Greek Character Set.
- 4519.⁵ Greek Alphabet.
- 3339. Greensleeves.
- 3432.⁵ Greensleeves.
- 3296. Guantanamera.
- 1007. Guess Phrase.
- 4366. Guess the Letter.
- 1365. Guess the Word.
- 3260. Guitar.
- 3273. Guitar Tuner.
- 1109.¹ Gunfight.
- 1073.¹ Gunners.
- 8073. Gymnastics Team Scorer.

- 1347. Hacksaw Canyon.
- 2133. Halloween.
- 1417. Hallways.
- 6068. Ham Antenna Builder.
- 5413. Ham File.
- 6069. Ham Log.
- 1034. Hammurabi.
- 5417. Handicapper.
- 1369. Handroid.
- 4490.⁵ Hang-Globe.
- 1008. Hangman.
- 1525.⁵ Hangman.
- 1113. Hangman and Spelling.
- 1487. Hanoi Towers.
- 3292. Happy Birthday.
- 4392. Happy Spell.
- 3406.⁵ Hard Day's Night.

3259. Hark the Herald Angels.
6014. Harmonic Curve Fitting.
8063. Harness Racing Averager.
3326. Has Anybody Seen My Gal.
2104. Haunted House.
3363. Have a Holly Jolly Christmas.
3412.⁵ Haydn Sonata #2.
3425.⁵ Haydn Sonata #2.
7023. Health Test.
3354. Heart.
7095.⁵ Heart Health.
7018. Heat Audit.
7037. Heating.
6115.⁵ Heat Sink Design.
4475. Hebrew Keyboard.
1110. Helicopter Rescue.
3375. Hello/Goodbye.
8038. Hexdump.
1061.¹ Hexpawn.
2212.⁵ Hexy.
3436.⁵ Hey Bulldog.
3376. Hey Jude.
3417.⁵ Hey Paula.
3340. Hill Street Blues Theme.
6074. Hi-Res Plot.
2197. Hi-Res Plotter.
6088. Histogram.
1544.⁵ Hit and Run.
1470. Hockey.
7063. Home Account Manager.
7067. Home Banker.
7083. Home Budget Analysis.
5455. Home Budgeting.
7055. Home Budget Spreadsheet.
7027. Home Check Processor.
7069. Home Finance.
3350. Home in Dreams.
7100.⁵ Home Money Management.
7010. Home Package.
1116. Home Run.
8102. Horizontal Scroll.
3364. Hornpipe by Purcell.
1472. Horserace.
1214. Hot-Dog.
5429. House Cost.

TEXAS INSTRUMENTS
HOME COMPUTER

- 7078. Household Accounts.
- 7046. Household Budget Aid.
- 7008.¹ Household Budgeting.
- 7076. Household Inventory.
- 5426. House Inventory.
- 3410.⁵ House of the Rising Sun.
- 3442.⁵ Humpty Dumpty.
- 6114.⁵ Hydraulic Design.
- 6039. Hypnotic Induction.

- 3440.⁵ I Can See Clearly Now.
- 8029. I-Ching Caster.
- 8101. Ideal Weight.
- 4521.⁵ Identify Wisconsin.
- 1350. I Hobbit.
- 5546. Illumination Factors.
- 1191. Imperial Lander.
- 1127. In Between.
- 5446. Income Ave.
- 7020. Income Averaging.
- 3241. Incredible Hulk.
- 1035. Indian.
- 2128. Indiana.
- 1240. Indy 500.
- 1475. Indy 99.
- 2154. Inkblot.
- 8068. Inkblot.
- 1276. Insanity.
- 5430. Installment Payments.
- 5447.¹ Instpmt.
- 3280. Instrument Tuner.
- 5493. Interest/Depreciation Schedule.
- 5436. Interest Projector.
- 5472. Interest Projector.
- 3216. Intervals.
- 3257. In the Mill.
- 1515. In the Running.
- 1239. Invasion.
- 1283. Invasion Wave.
- 3230. Invention in F.
- 5537. Inventory Control.
- 5449. Invest?
- 5480. Investment Calculator.
- 5494. Investment Counselor.
- 5448. Investment Value.

- 3356. Iowa Fight Song.
- 3392. Iowa State Song.
- 4430. IQ Wordmaster.
- 8060. IRA Comparator.
- 7092.⁵ IRAs.
- 5466.¹ Irrigation Costs.
- 1087. Island.
- 1257. Island Jumper.
- 1189.² Isolate.
- 5496. Itemized Deduction Worksheet.
- 3396. It Is Well With My Soul.
- 3437.⁵ It's a Small World.
- 2111.¹ ITT
- 3398. Ivory Palaces.

- 1395. Jackass Derby.
- 3336. Jam Session.
- 1439. Jaws.
- 1088. JCL Squares.
- 3399. Jesus Loves Me.
- 2230.⁵ Jet Engine.
- 8079. Jib Sail.
- 3304. Jingle Bells.
- 2106. Job Cost.
- 8062. Jogger's Pace Calculator.
- 8033. Journal.
- 1426. Jousting.
- 8041. Joysticks Plans.
- 3301. Joy to the World.
- 1442. Jumping Bean.
- 1559.⁵ Jumping Jack.
- 4381. Junior High Math Drill.
- 4418. Junior High Math Helper.
- 3288. Just The Way You Are.

- 1397. Kaboom.
- 1474. Kaktus Kill.
- 2105. Kaleidoscope.
- 2169. Kaleidoscope.
- 2146. Kaleidoscope II.
- 4477. Katie's Addition.
- 1118. Keno.
- 3443.⁵ Key Signatures.
- 9008.² Kick.
- 4448. Kiddie Math.

TEXAS INSTRUMENTS
HOME COMPUTER

- 1392. Kidnapped.
- 3258. Killing Me Softly.
- 1089. King.
- 3381. King William's March.
- 1174. Kismet.
- 7009. Kitchen Aids 1 and 2.
- 1134. Knights.
- 1155.² Knights Tour.
- 1310. Knockout.
- 3351. Kojo No Tsuki.
- 1382. Krazy Koala.
- 8090. Krypto.
- 1522. Kwai Bridge.
- 2168. Kwik-Draw.
- 4514.⁵ K-Words.

- 2218.⁵ La Belle France.
- 5471. Labels.
- 6066. Lagrangian Interpolator.
- 3371. Lagrima.
- 5548. Lamb Scoring.
- 1074. Lander.
- 1503. Lander III.
- 1036. Landing.
- 4408. Language Expressions.
- 1080. Lapidis.
- 4307. Large Characters.
- 1226. Largo Downs.
- 1323. Laser Assault.
- 1119. Laser Wins.
- 4511.⁵ Latin American Capitols.
- 3429.⁵ La Violetera.
- 5538. Law Case Retrieval.
- 1414. Leapfrogger.
- 5554.⁵ Learning Curve.
- 4329. Least Square.
- 5545. Le Bon Mot.
- 1469. Left/Right.
- 6080. Lenses.
- 3378. Let It Be.
- 3380. Let It Snow.
- 4415. Let's Play Arithmetic.
- 4416. Leukemia Tutorial.
- 1090. Lexicality.
- 1517. L Game.

7039. Library.
1043. Life.
8074. Life.
5504. Life Cycle Costs.
5460. Life Expectancy.
5512. Lighting Factors.
4486.⁵ Linear Algebra.
5404. Linear Regression.
6081. Linear Programming.
6110.⁵ Linear Programming II.
8066. Line Editor.
1105.¹ Line Up
7004. Lists.
7080. Lists II.
3374. Little Drummer Boy.
5521. Loan Calculator.
7012. Loan Comp.
5419. Loan Interest.
5528. Loan Package.
5474. Loan Trend Analysis.
2216.⁵ Loco-Sprite.
5433. Log.
8120.⁵ Logic.
2227.⁵ Logos.
4404. Long Vowel Drill.
3244.¹ Looking Through You.
1436. Lost Dutchman's Gold.
2116. Love.
4337. Lower Case Convert.
2135. Lower Case Letters.
1412. Lucky You.
1009. Lunar Lander.
1249. Lunar Lander.
1389. Lunar Landing Simulator.

1288. M.
1300. Mad Chemist.
1270. Madlib.
1461. Madlib II.
7084. Magazine File.
2193. Magic Pencil.
1512. Magic Squares.
4502.⁵ Magic Square Tutor.
7006. Mailing List.
7091.⁵ Mailing List.

TEXAS INSTRUMENTS
HOME COMPUTER

- 5467. Mail List Cnd #3.
- 5468. Mail List Search-Print.
- 8011. Mail Prep.
- 2235.⁵ Make-A-Face.
- 4459. Make A Story.
- 1163. Man-Eating Rabbit.
- 1156. Mars Lander.
- 3210. M*A*S*H.
- 1010. Master.
- 5457.¹ Master Index.
- 7079. Master Index.
- 5558/1.⁵ Master Program.
- 4443. Master Word List.
- 1311. Match-a-Pair.
- 1121. Match Game.
- 4345. Match the Answer Test.
- 1024.¹ Match-Up.
- 4390. Math Aid.
- 4457. Math Concentration.
- 4453. Math Hangman.
- 4434. Math Quizzer.
- 4389. Math Race.
- 4309. Math Test.
- 4310. Math Test.
- 4340. Math Tutor.
- 6017. Matrix.
- 6052. Matrix Determinant Evaluator.
- 6070. Matrix Inversion.
- 1458. Mawari.
- 2136. Maze Maker.
- 5450. Med-Expense.
- 6093. Medical Lab Calculations.
- 8115.⁵ Memory Disassembler.
- 1471. Memory Jogger.
- 2152. Memory Maze.
- 4487.⁵ Mendel's Law.
- 7062. Menu maker.
- 4468. Menu math.
- 7053. Menu Planner.
- 5551. Message Graphs.
- 1427. Meteor Rain.
- 1366. Meteor Shower.
- 8075. Metric Converter.
- 4375. Metrics Class.

3235.¹ Michael's Theme.
4393. Michigan.
2208.⁵ Mickey.
1398. Microjaws.
6073. Microwave.
8065. Mileage Manager.
1373. Mind Challenger.
1560.⁵ Mind Reader.
1131.¹ Minefield #2.
1312. Minefield #3.
1132. Miner.
1566.⁵ Mines.
1385. Mine Trap.
3303. Mini Bach Concert.
8111. Mini Database.
5510. Mini Info-State.
8109. Mini-Mem Linker.
6056. Mini-MUF.
8105. Minisaver.
3409.⁵ Minuet by Mozart.
2163. Mirrors.
8072. Miscellaneous Utilities.
8008. Model Rocket.
6001. Mohr's Circle.
1244.² Molasses Man.
6082. Molecular Weight.
1445. Moneyman.
1541.⁵ Monopoly.
1011. Monster.
1162. Monster Chase.
1453. Monster Chase III.
1081. Monster Combat.
1082.¹ Monster Combat 2.
3262. Moonlight.
1370. Moon Survival.
6057. Moon Watch.
3269. Morning.
4313. Morse Code.
4497/1.⁵ Morse Code Course.
4497/2.⁵ Morse Code Course
8040. Morse Code Generator.
4445. Morse Code Trainer.
7054. Mortgage Spreadsheet.
2159. Mother Goose.
1112. Motocross.

TEXAS INSTRUMENTS
HOME COMPUTER

- 1140. Motorcycle Jump.
- 1575.⁵ Mountain Encounter.
- 1145. Mouse in a Maze.
- 6026. Moving Time-Data.
- 3355. Mozart.
- 3358. Mozart — Rondo a la Turca.
- 1511. Mr. Kroaker.
- 1570.⁵ Mr. Sneeze.
- 1025. Mugwampus.
- 2117. Multi-Maze.
- 4344. Multiple Choice Test.
- 6030. Multiple Regression Analysis.
- 6089. Multiple Variable Linear Regression Analysis.
- 4496.⁵ Multiplication Magician.
- 1175. Munch.
- 1509. Munch-Mite.
- 3212. Musical Key.
- 3211. Musical Scale.
- 3231. Music Box Dancer.
- 3202. Music Demo I.
- 3217. Music Demo #2.
- 3218. Music Demo #3.
- 3236. Music Maker.
- 3274. Music Maker.
- 3270. Music Terms Quiz.
- 3313. Music Worksheet.
- 3341. Musi-Key.
- 3227.¹ My Elusive Dreams.
- 3306. My Hungry Heart.
- 3323. My Old Kentucky Home.

- 1048.¹ Nab.
- 3352. Nadia's Theme.
- 8087. NAIA Basketball Stats.
- 4339.² Name and Number.
- 1161. Navigate.
- 6058. NCS op-aid.
- 3423.⁵ Netherlands.
- 3223. Never On Sunday.
- 1434. New Blackjack.
- 1569.⁵ New Connect Four.
- 1266. New Hangman.
- 2133.¹ New Jersey.
- 6028. Newtonian Interpolator.
- 2198. New York Fantasy.

8069. NFL Statistics.
2179. Night Before Christmas.
4462. Night Sky.
1031.¹ Nimble.
1451. Nimble Sticks.
4488.⁵ Ninth Grade Physics.
5543. Nitrogen Needs.
2125.¹ NM Flag.
1143. Nomad.
3421.⁵ No Matter What I Love You.
4508.⁵ Non-Alpha Typing Tutor.
2232.⁵ Northrop's P-20.
1465. North Sea Action.
7028.² Note Book.
1180.² Not One.
4432. Noun Instructor.
4464. Nuclear Chemistry.
5405.¹ Number Convert.
1012.¹ Number Guess.
1095. Numbers Away.
7033.² Nutrition.
7024. Nutritional Scoreboard.
7087.⁵ Nutrition Calculator.

3407.⁵ Ob-la-di, Ob-la-da.
1013. Obstacle Course.
3299. O Come All Ye Faithful.
2127. Ohio.
6063. Ohm's Law.
6035. Oil Well Casing Design.
3293. Old MacDonald.
1076. One-Arm.
1097.¹ One Check.
1141.¹ One or Two.
3272. Op-23.
5477. Operational Costs.
6111.⁵ Optimum Assignment.
1130. Orbit.
8016. Orbit.
2134.¹ Oregon Flag.
1554.⁵ Oregon Trail.
3232. Organ.
3401.⁵ Organola.
1070. Othello.
1521. Othello.

TEXAS INSTRUMENTS
HOME COMPUTER

1184. Othello II.
- 1531.⁵ Pacific Fleet.
1450. Paleolithic Hunter.
- 1077.¹ Par-2.
6054. Parabolic Reflector.
1383. Paramedic.
- 1577.⁵ Paratrooper Paranoia.
1197. Part Time.
1237. Party Game.
- 3422.⁵ Patriotic Medley.
2121. Patterns.
2172. Patterns.
- 9502.² Patterns.
- 5487.² Pay Check.
7021. Paycheck Manager.
5499. Payroll Clerk.
5539. Payroll/Personnel.
5505. Payroll Recorder.
- 3408.⁵ Peace in the Valley.
1506. Pegjump.
3233. Penny Lane.
1317. Pente.
- 2229.⁵ Perceptual Puzzle.
7043. Perpetual Calendar.
5498. Personal Banker.
8098. Personal Biology.
7065. Personal Directory.
7030. Personal File.
- 7090.⁵ Personal Property.
1340. Persons, Phrases and Places.
5414. PERT.
5544. PERT II.
- 1147.² Phasered.
- 5563.⁵ Phone List.
8112. Photographer's Helper.
- 4504.⁵ Phrases.
1386. Pick Up Sticks.
- 9503.² Picture.
1338. Pie Ring Squad.
4396. Piggy Bank.
4450. Piggy Bank II.
- 1543.⁵ Pilot.
1185. Pin the Tail.
- 1540.⁵ Ping-Pong.

2110. Pink Panther.
1404. Pinochle Partner.
6047. Piping Systems Analysis.
6091. Planetary Orbits.
6045. Planet Watch.
3228. Player Piano.
2122. Playing Cards.
3287. Play/Type.
3405.⁵ Please Help Me I'm Falling.
5530. Plot and Save.
6084. Plot Four.
6062. Plotter.
1390. Plunder.
6076. Pneumatic Control.
4431. Poetry Maker.
8114. Point Spread Calculator.
7075. Poison Prevention.
1181. Poker.
6112.⁵ Polar Orbit Sat/Trak.
4447. Pollution Evaluation Study.
3308. Polonaise in G Minor.
6050. Polynomial Curve.
1014. Pony.
3294. Pop Goes the Weasel.
5515. Portfolio Analysis.
1232. Potshot.
1413. Potshot.
6021. Power.
6064. Power-Calc.
8057. Power Rater.
1355. POW Rescue.
4327. Precious Metals Conversion.
3271. Prelude.
3307. Prelude in G Minor.
4509.⁵ Preschool Color.
4493.⁵ Pre-School Fun.
1015. Presidents.
4481. President's Game.
4334. Presidents II.
6042. Prime Number Cruncher.
2137. Printed Mazes.
8080. Printer Tester.
8082. Printer Tutorial.
5469. Print Right.
8058. Prioritizer.

TEXAS INSTRUMENTS
HOME COMPUTER

- 5453.¹ Profitmix.
- 8047. Program Compressor.
- 3439.⁵ Programmable Piano.
- 8091. Program Search.
- 4374. Projectile Problems.
- 4454. Pronoun Highdive.
- 3444.⁵ Proud Mary.
- 8124.⁵ Prowriter Tutorial.
- 1135.¹ Psychology.
- 3342. Puff the Magic Dragon.
- 5451. Pulmonary Test.
- 4507.⁵ Punctuation.
- 3387. Puppytown.
- 1091. Puzzle 15.
- 1418. Pyramid.

- 1078.¹ Quantal.
- 1062. Queen.
- 1051. Quest.
- 2199. Quickisprite.
- 2228.⁵ Quilt Patch.

- 1476. Racing.
- 6096. Radio Log.
- 5492. Raffle Ticket Printer.
- 3251. Rainbow Connection.
- 3222.¹ Raindrops
- 3416.⁵ Rally Song Medley.
- 2157. Random Character Generator.
- 2203.⁵ Random Characters.
- 6022. React.
- 8121.⁵ Reaction.
- 6067. Reactor Kinetics.
- 1572.⁵ Real Aggravation.
- 1026.¹ Rebound.
- 5402. Receipt Expense.
- 7034. Recipe.
- 7031. Record Collection.
- 5465. Record File.
- 5434. Records.
- 7005.¹ Records and Listings.
- 8004.¹ Rect/Sun.
- 3318. Red River Valley.
- 1466. Regatta.
- 5473. Regression.

- 6059. Regressions II.
- 4368. Relative IQ Test.
- 8044. REM Remover.
- 1195. Rescue Challenge.
- 1272. Rescue Craft.
- 1513. Rescue Mission.
- 6036. Resistive Attenuator Design.
- 4330. Resistor Test.
- 1075.¹ Reversi.
- 3205. Rhythm.
- 2123.¹ RI Flag and Song.
- 3367. Ringo's Theme.
- 1248. Road Maze.
- 1032. Road Race.
- 1481. Roadrat.
- 4412. Roadrunner.
- 1071. Robot.
- 1083. Robot Chase.
- 2161. Robot Jokes.
- 1176. Robot Wars.
- 3297. Rock Around the Clock.
- 1167. Rocket Launch.
- 1374. Rockets.
- 3382. Rockin' Around the Christmas Tree.
- 4470. Rocky Robot's Addition.
- 4465. Rocky Robot's Alphabet.
- 3388. Rocky Robot's Boogie.
- 4466. Rocky Robot's Division.
- 4479. Rocky Robot's Learn to Count.
- 4480. Rocky Robot's Subtraction.
- 4498.⁵ Rocky Sings*.
- 3372. Romance de Castilla.
- 5565.⁵ Roman Numeral Conversion.
- 9009.² Rooster.
- 6105. Roots of Polynomials.
- 6108.⁵ Roots of Polynomials II.
- 1170. Roulette II.
- 3330. Row, Row, Row Your Boat.
- 1261. Rubik's Cube Simulation.
- 3365. Rudolph II.
- 1533.⁵ Runes & Glyphs.
- 1557.⁵ Runway 180.
- 4394. Russian Typewriter.

- 1179. Sad Face.

TEXAS INSTRUMENTS
HOME COMPUTER

- 2141. Safety.
- 1016. Sailing.
- 5556.⁵ Sales Analysis.
- 1211. S/A Missile.
- 5410. Sandwich Shop.
- 3327. Sarabande by Handel.
- 3360. Satie — Gymnopedie #3.
- 7059. Savings Account Number.
- 4436. Say and Spell.
- 3316. Scales.
- 3361. Scarlatti — Sonata #352.
- 1508. Scavenger Hunt.
- 5559.⁵ Schedule-C.
- 1017. Schmoos.
- 3418.⁵ Schumann Choral.
- 1100. Scorcher.
- 1190. Score 4.
- 8035. Scorekeeper.
- 2174. Scorpio's Castle.
- 1133.¹ Scrabble.
- 1333. Scrabble.
- 1528.⁵ Scrabble en Francais.
- 1133. Scramble.
- 1479. Screaming Serpent.
- 8081. Screen Dump.
- 1498. Scuba.
- 2109. Seahorse.
- 1562.⁵ Seastrike.
- 5514. Securities Portfolio.
- 4505.⁵ Sentences.
- 1357. Serpent and Snake.
- 1039. Seymour the Monster.
- 4483. Shape Sequence IQ Test.
- 1192.² Shooting Gallery.
- 1387. Shooting Gallery.
- 1037. Shootout.
- 1309. Shoot the Stars.
- 8023. Shrink.
- 1486. Shufflesquare.
- 1492. Sideway Slope.
- 4304. Sigma.
- 2145. Signs.
- 3347. Silver and Gold.
- 1018. Simon I.
- 1546.⁵ Simon II.

6086. Simplex Method.
2118. Sine Wave.
1072. Sinking Ships.
8097. Skis.
1171. Ski Slope.
1420. Ski Weekend.
1284. Slay the Dragon.
3379. Sleigh Ride.
1219. Slither.
1020. Slot Machine.
1019. Slots.
1186. Smiley.
8018. Smoker's Test.
1341. Smokey's Bandit.
1504. Snafu.
1535.⁵ Snakes 'n Ladders*.
1536.⁵ Snakes 'n Ladders*.
1106.¹ Snark.
2107. Snoopy.
2143. Snoopy #2.
2113. Snoopy Christmas.
8045. Soccer Statistics.
7086.⁵ Soc-Sec Predictor.
8119.⁵ Software Library.
4353. Solar.
6071. Solar Calculator.
9010.² Soldiers.
3404.⁵ Solfeggietto.
1494. Solitaire.
3245. Sonata in C Major.
3220. Song.
3348. Songs of Texas.
8089. Sorting Group.
5422. Sorts.
3322. Sound Effects.
3434.⁵ Sound Effects.
3275. Sound Generator.
4520.⁵ South America.
1243. Space Attack.
1172. Space Belt.
1327. Space Berserker.
1224. Space Command.
1233. Space Duel.
1410. Space Dust.
1428. Space Flight Simulator.

TEXAS INSTRUMENTS
HOME COMPUTER

- 1187. Space Gem.
- 1241. Space Guard.
- 1130.¹ Space Invaders.
- 1440. Space Monsters.
- 1337. Space Ordeal.
- 1356. Space Patrol.
- 1277. Space Pilots.
- 1138. Space Scout.
- 1482. Space Scout.
- 1531.⁵ Space Scout.
- 1111. Space-Shoot.
- 2192. Space Shuttle.
- 2222.⁵ Space Shuttle.
- 1215.² Space Venture.
- 1234. Spacewar.
- 1574.⁵ Spacezap.
- 3234.¹ Spagnoletto.
- 8129.⁵ Spanish Accents.
- 1168. Spanish Battleships.
- 4314. Spanish Translator.
- 4395. Spanish Math Quiz.
- 4455. Spanish Vocabulary Drill.
- 4372. Spatial Relations.
- 4463. Spatial Relations.
- 4384. Speak Spell Flash.
- 2108. Speech Demo.
- 2166. Speech Generation.
- 8110. Speech Synthesizer Vocabulary.
- 1549.⁵ Speed Hangman.
- 4364. Speed Reading.
- 4322. Spell.
- 4352. Spelldown.
- 4426. Spelling Aids.
- 4342. Spelling B.
- 4456. Spelling Quiz.
- 4348. Spelling Test.
- 4398. Spelling Tester.
- 4414. Spelling Tester.
- 1103. Splat.
- 9011.² Spring.
- 1527.⁵ Springfrosh.
- 2171. Sprite Builder.
- 2225.⁵ Sprite Definition.
- 2158. Sprite Demo.
- 2181. Spritedemo.

8013. Spriter.
2200. Sprite Worksheet.
8116.⁵ Square Dance Timing.
1063.¹ Squares.
1548.⁵ Stadium Jumping.
5557.⁵ Stagecoach Programming.
3267. Stairway to Heaven.
4489.⁵ Star Chart.
1210. Stardodger.
3395. Stardust.
2165. Starfield.
1041. Star-Fight.
1429. Stargate Mission.
1124. Star-Guard.
1042.¹ Stars.
2115. Stars.
1411. Starship.
8100. Star Travel.
1019.¹ Startrek.
3237. Star Trek.
3242. Star Wars.
5452. Statement.
5476. Statement Analysis.
4336. States.
4449. States.
4400. States and Capitols.
4383. States Quiz.
6025. Statistical Analysis.
6034. Statistical Analysis.
6060. Statistics.
6043. Statistics Tables.
6008. Stats.
6102. Statspak.
1123. Stellar.
5486. Stock Commission.
5517. Stock Lister.
1125. Stock Market.
1342. Stock Market.
5522. Stock Prices — Moving Averages.
5558.⁵ Stock Record Keeping*.
5409. Stock Records.
5431. Stock Transactions.
5411. Stock Trend and Reports.
1259. Stoneville Manor.
9012.² Stork.

TEXAS INSTRUMENTS
HOME COMPUTER

- 1388. Storyteller.
- 3201. Strauss.
- 2237.⁵ Strolling Through the Park.
- 4425. Student Geometry Aids.
- 5550. Student Scoring System.
- 1526.⁵ Stud Poker.
- 1320. Sub Hunt.
- 1375. Sub Hunter.
- 1396. Sub Search.
- 1495. Super Awari.
- 4440. Super Fly.
- 1139. Superman.
- 1359. Supra.
- 6072. Surveyor's Calc.
- 4467. Swedish Vocabulary Drill.
- 3214.¹ Sweetheart.
- 3219.¹ Sweetheart Tree.
- 1419. Sweetspot.
- 3253. Swinging Shepherd Blues.
- 1157. Swords and Sorcery.
- 3289. Syrinx.
- 4358. System.

- 4499.⁵ Tachistoscope*.
- 1164. Tail.
- 1165. Tail.
- 3369. Take Five.
- 1084.¹ Tank Fight.
- 1227. Tank Race.
- 1216. Tank Shot.
- 8024. Tape File.
- 1021. Tarot Cards.
- 1422. Task Force.
- 1022.¹ Tax Collector.
- 7081. Tax Estimator.
- 7098.⁵ Tax Estimator.
- 5560.⁵ T-Bill.
- 4402. Teacher's Claim.
- 4399. Teacher's Gradebook.
- 8012. TE II Log-On File Generator.
- 8123.⁵ TE-II Speech Aids.
- 6048. Telescope Specs.
- 4492.⁵ Telling time.
- 6005. Temperature Conversion.
- 4315. Tense.

- 4382. Testing.
- 5520. Test Score Analysis.
- 4355. Test Tube.
- 4407. Test Writer.
- 2129. Texas #1.
- 2130.¹ Texas #2.
- 1514. Texas Trucker.
- 5526. Text Editor.
- 4469. The ABC Show.
- 1299. The Airplane Game.
- 4452. The Answer Man.
- 1403. The Apple Tree.
- 6079. The Astronomer.
- 4417. The Barnyard Group.
- 5489. The Biller.
- 1484. The Catacombs.
- 1085. The Chase.
- 3324. The Christmas Carol.
- 3383. The Christmas Song.
- 5464. The Church Treasurer.
- 1409. The Conflict.
- 3317. The Coventry Carol.
- 1529.⁵ The Dice Table.
- 1455. The Drunken Sailor.
- 3338. The Entertainer.
- 5529. The Farmer.
- 1400. The Gnasher.
- 7050. The Grocery List.
- 3334. The High and the Mighty.
- 1316. The Hungry Turtle.
- 1447. The Hunter.
- 3328. The Incredible Hulk.
- 5488. The Investor.
- 5516. The Last Hour.
- 1120.¹ The Lucas Problem.
- 1437. The Maze of Versailles.
- 3224. Theme from Dallas.
- 3298. The Music Creator.
- 4422. The Music Teacher.
- 2196. The Name Dropper.
- 8043. The Peeker.
- 4476. The Physics Race.
- 3329. The Piano Composer.
- 3302. The Popcorn Man.
- 1415. The Prospector.

TEXAS INSTRUMENTS
HOME COMPUTER

8076. The Psychiatrist.
5412. Thermal Printer Test.
8084. The Romantic Poet.
8088. The Soft File.
3213. The Sting.
6061. The Surveyor's Helper.
5495. The Taxman.
1402. The Tower of Hanoi.
3431.⁵ Three Blind Mice.
3281. Three Kings.
1326. Thruway.
4506.⁵ TI Barnyard.
1391. TI-Boom.
9013.² T.I. Bug.
2148. Ticker-Tape.
1304. Tic Tac Dough.
1023. Tic Tac Toe.
1204. TI Dogfight.
2177. TI Marquee.
4328. Time and Speed.
1128. Time Bomb.
1405. Time Bomb.
4303. Time Clock.
3263. Time in a Bottle.
5524. Time Payment Comparator.
4491.⁵ Times-Fun's Game.
2205.⁵ Time Tunnel.
5542. Tinyplan.
3386. TI-Organ.
8020. Title Generator.
2150. Title Screen.
1027.¹ TI Wars.
1250. TI Wars.
1478. Tortoise and Hare.
1038. Touring.
1454. Tower of Babel.
1537.⁵ Tower of Doom.
2164. TP Bargraph.
4324. Trade.
1096.¹ Tradelines.
9014.² Train.
7032. Training Chart.
1235.² Tranks.
3373. Transposition Tables.
5547. Travel Expenses.

- 1193. Trek.
- 1376. Trekkie.
- 1200. Trench.
- 5466. Trend Line Analysis.
- 4316. Triangle.
- 4387. Trignomic Solution of Triangles.
- 6027. Trigonometric Calculator.
- 4357. Trinomial.
- 7097.⁵ Trip.
- 7044. Triple Timer.
- 1406. Trog.
- 1393. Trucker.
- 4343. True-False Test.
- 1507. Tunnel Vision.
- 1467. Turtleraces.
- 4484. Tutorial Typing.
- 7035. TV Schedule.
- 3319. Twinkle, Twinkle Little Star.
- 3344. Two Note Melody.
- 3331. TXU Song.

- 1349. U-boat Chase.
- 1047. UFO.
- 1483. UFO.
- 1567.⁵ UFO Attack.
- 6049. Universal Time.
- 4427. Unscramble.
- 1399. Up Scope.
- 4420. US Facts.
- 9015.² U.S. Flag
- 2138.¹ Utah State Flag
- 7071. Utility Bill Analysis.

- 2114. Valentine.
- 1293. Vampires.
- 6053. Vector Addition/Subtraction.
- 3384. Venetian Boat Song.
- 3389. Venus Night Ride.
- 1079. Verboten.
- 4517.⁵ Verb Usage.
- 2140. Very Large Letters.
- 3314. Vibrato Organ.
- 1308. Victory at Sea.
- 2238.⁵ Video Canvas.
- 8113. Video Tape Library.

TEXAS INSTRUMENTS
HOME COMPUTER

- 3310. Viola Concerto in G.
- 3415.⁵ Violin Master.
- 3311. Violin Tuner.
- 2126. Visions.
- 8071. Vital Statistics.
- 4424. Vocabulary Test.
- 4302. Vocabulary Test.
- 6101. Voltage Drop Calculator.

- 1222. Wagon Wheel.
- 1223. Walk in the Woods.
- 1571.⁵ Wall Street Crash.
- 3279.² Waltz.
- 1052. Wampus.
- 1049. Wampus #2.
- 1201. Warfish.
- 1563.⁵ Wargames.
- 1368. Warpout.
- 8108. Weather Data Station.
- 8022. Weather Station.
- 5549. Weaving Calculator.
- 3393. Wenn Ich Ein Vöeglein Waer.
- 3390. Western Boogie.
- 3357. What a Friend in Jesus.
- 3402.⁵ What I Did For Love.
- 1501. Wheel of Fortune.
- 1104. White Holes.
- 8132.⁵ Wind Chill Calculator.
- 6040. Wind Chill Factor.
- 7042. Wine Inventory.
- 3255. Witches Dance.
- 1305. Witch Mountain Rally.
- 3261.² With Love in my Heart.
- 1033.¹ Wiz.
- 1435. Word-a-Gram.
- 1430. Word Dice.
- 1488. Wordfinder.
- 4338. Word Game 22.
- 5418. Word Processing.
- 5519. Word Processor.
- 1298. Word Scramble.
- 4409. Word Scramble.
- 1053. Wordsearch.
- 4349. Word Syllables.
- 4388. Word Teacher.

- 4323. Wordtotal.
- 4405. Word Totaller.
- 4411. Word Twins.
- 5507. Worksheet.
- 4460. World Capitols.
- 4350. World Flags.
- 8006. World Map.
- 1433. World War I.
- 9016.² Worm.
- 9017.² Wreck.
- 2124.¹ WY Flag and Song.

- 6092. X-Y Plot.

- 1050. Yahtzee.
- 1144. Yahtzee-28.
- 3295. Yankee Doodle Dandy.
- 7015. Yearly Facts.
- 8070. Yearly Journal.
- 3286. Yellow Rose of Texas.
- 3221. Yesterday.
- 3428.⁵ Yesterday.
- 3265. You Light Up My Life.
- 3377. You've Got to Hide Your Love.

- 1217. Zan Quest.
- 1092. Zap-a-Ball.
- 3305. Ziggy's Christmas.