

NORTH EASTERN 99'ers  
PROGRAM EXCHANGE LIBRARY

NORTH EASTERN 99'ers  
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All of the programs in this library have been submitted as part of our program exchange. The N.E. 99'ers does not claim any proprietary rights to any of these programs and cannot be held responsible for their contents. Most of these programs are self-explanatory or contain operating instructions within the program itself. Some do not, and the user may initially have difficulty in operations. Some have slight bugs(ants?), but as far as we can assess, they do not interfere with the total operation of the program. We advise that you get in the habit of using FCTN 4(Break) and LIST to review the contents and instructions sometimes included in the program.

When submitting a program, please be sure to include the source, author, and your name within the REM statements. Please do not include your name in the operation of the program, unless you have written it entirely by yourself! Please be sure that this information comes with your submission, and also add the name, issue, and date of the publication if applicable. PLEASE submit all programs and instructions on disk or cassette.

Any member who submits an owner-written, working program, written in Basic or Extended Basic for the TI 99/4 or TI 99/4A, to the Users Group on Cassette or Diskette, will receive their choice of three(3) programs. Programs not written by the submitting member are exchanged one program for one submission. For those of you who do not wish to submit a program, you may purchase any program for \$3.00 except as noted in Catalog description. NOTE: Cassettes require a three(3) program minimum. Diskettes are \$2.00 and Cassettes are \$2.00 in addition to the program price. If you furnish your own disk, the price is reduced by \$2.00.

The library reserves the right to refuse any program. This list is subject to change without notice. There are some good programmers out there—we need your participation! If you don't share yourself with the exchange, you can't complain about it!

MAKE CHECKS PAYABLE TO: NORTH EASTERN 99'ers

KEY: B=BASIC, X=EXTENDED BASIC, XB=BOTH BASIC AND EXTENDED BASIC,  
G=GRAPHICS, S=SPEECH SYNTHESIZER, J=JOYSTICKS, TE2=TERMINAL EMULATOR2,  
P=Printer, TP=THERMAL PRINTER, D=LOCATION (FOR LIBRARY USE ONLY).

## BUSINESS OR HOME PROGRAMS

- ALPHASORT XB,D8 Alphabetizes names, up to 1000
- AMORTIZATION B,D1 How much goes to principal/interest?
- APPOINTMENT CALENDAR X,D2A For the person who is trying to look organized, a calendar which remembers and displays up to fifteen appointments in a day. You specify the date, load appointments, and review or save them at your discretion.
- AVERAGING B,D4 Averages numbers - teacher's joy!
- BUDGET B,Cassette only, D12 Organize your entire budget!
- BUSINESS PROJECTIONS XB,D14 Projection of business activity into the future time period. Three methods: least squares regression, moving average, exponential smoothing.
- CASSETTE FILE B,D6 Open and close files on cassettes.
- CHECKBOOK BALANCER B,D1 No more worries! This program will balance your checkbook.
- CHRISTMAS CARDS B,D6 Send your cards out on time and without a hassle.
- COOKIE CUPBOARD B,D5 Stocks the cupboards for baking.
- DEPRECIATION X,D6 Depreciate any item - valuable for insurance claims.
- DOUBLE ENTRY ACCOUNTING LEDGER\* X,P,D5A These programs constitute a double entry ledger accounting system that can be used by small businesses or individuals. They require at least one disk drive and a printer. Cost is \$5.00 plus \$2.00 for the disk. See next program.
- REOPEN\* X,D12 Part of the above accounting package, but requires two Disk Drives to operate. Please request this program if you have two drives.
- EARN MONEY B,D7 How much can you earn doing chores? Math practice tool.
- ENVELOPES\* X,D3A Just pop your envelope in the printer and run this nifty program! Option for a permanent return address and mailing address. Regular business-sized envelopes.
- GRADES X,D6A Average up to 35 students quarterly and yearly average for quizzes, tests, and finals. May be increased with 32K memory.
- HEAT LOSS B,D6 Where are you losing heat in your home?
- HOME SECRETARY X,P(Optional),D14A Choose phone book or Household inventory for all your personal data. Display or search or print. Inventory search by serial #, value, location item. Phone search available by name, number, etc.
- HOUSE INVENTORY X,D6 Inventory your home - great for insurance claims.
- HOUSE PACKAGE X,D6 Compare the costs of buying, building, or renting a home
- INDEX CARDS X, D6A Store electronically all the stuff you normally would put on index cards - recipes, names, etc.
- JOB COST B,D6 Estimate the cost of any job.
- LABELS B,D6 Prints labels.
- LIBRARIAN B,D6 Catalog your home library books.

## BUSINESS OR HOME PROGRAMS

MAILING LIST B,D1 Names, addresses and phone numbers. Can be adapted to suit your needs.

MESSAGE CENTER B,D2 Leave notes and messages for the whole family.

MINI-SPREADSHEET ONE X,D2A Allows you to create a ten-row, twenty-column Spreadsheet without printer capabilities.

MINI-SPREADSHEET TWO X,D2A Allows you to create a ten-row, ten-column spreadsheet with printout. MORTGAGE COMPARISON B,D4 Compare mortgage costs from several banks or institutions.

NOTE PAYMENT X,P,D12 Calculates interest and principal payments for any number of months. Sums them and gives the new note balance at the end of the period.

• PERSONAL BANKING B,Mini-Mem(Optional),D1A Personalize your accounts and save information to Diskette, Cassette, or Mini-Memory.

PRESCRIPTION B,cassette only, D2 Pharmacist's cost calculator.

SIZE PRINT X,D8A Great program for labels, envelopes, letters etc.

SPREADSHEET X,Optional Disk Drive,2A Mini-Electronic spreadsheet allows you to use up to twenty different headings for aid in household management, tax preparations, inventories, etc. No printer options.

TRIP PLANNER B,D2 Estimate the cost of a trip

USAGE B,D6 How much gas, electric, and oil do you use.

UTILITIES B,D6 Estimate utility bills.

WORD PROCESSING X,Disk Only, No 32K Required, 12A Word processing without 32K Expanded Memory required. Centers, new paragraphs. Prints draft or final copy.

## EDUCATION

- ADD/SUBTRACT X,D1A Unlimited addition and subtraction examples from 1 to 999. Gives correct answers and scores.
- ALGEBRA B,TE2,XB(possible with modifications),D14 Nine Algebra examples generated by computer and scores. Levels 1-9
- ALPHA B,G,D7 Teach pre-schoolers the Alphabet.
- ALPHA PICKUP X,G,J,D12 Use Joysticks to pick up the letters of the alphabet and place them in the correct order.
- ALPHABET B,G,D1 Pre-school educational tool.
- CAPITALS OF THE STATES XB,G,D1A Excellent educational tool for drill in the topic of States and Capitals. This version displays a map along with four choices of a state capital. Good sound effects reinforce correct choices along with flashing graphics to keep your attention. Easier for younger children (and their parents), as compared to U.S. Map.
- CENT/FAHR CONVERSION B,D2 Converts temperatures of both scales.
  - COLOR MATH B,G,D13A Math game for beginners-add/sub/multi/div. Smiley face for correct answers, frowning face for incorrect ones. One column figures. Colorful, graphic and engaging.
  - CONSTELLATION FINDER X,D13 Search for any of 45 constellations to find when viewing the night sky is best.
  - DIVIDE/MULTIPLY X,D1A Unlimited division and multiplication examples from 1 to 999. Gives correct answers and scores.
  - ELEMENTARY MATH XB,G,D2A Excellent add and subtract program for beginners, with colorful graphics and reinforcements.
  - FRACTIONS X,G,D13 Excellent tool for beginners who can color or cut up a whole into its fractions.
  - HANGMAN B,D7 Excellent spelling game for the family. Add your own words!
  - MATCH'EM B,G,D2 Match colored shapes - like "Concentration".
  - MATH(Addition) B,D1 Educational practice skills.
  - MATH(Division) B,D1 Educational practice skills.
  - MATH(Multiplication) B,D1 Educational practice skills.
  - MATH(Subtraction) B,D1 Educational practice skills.
- NOTE: ALL FOUR OF THE ABOVE PROGRAMS COUNT AS ONE PROGRAM.
- MATHEMATICAL FUNCTIONS X,D1A Advanced Mathematics. Determines algebraic values for such items as hyperbolic arc cosecant, etc.
- MATH PROBLEMS B,12A Three tries for correct answer. Continuous array of math examples.
- MATH QUIZ B,G,1A You can practice add/sub/mult/div. Select up to 100 problems in each area. Player earns stars for correct answers. Keeps score. Numbers 1-99.
- METRIC CONVERSION B,D2 Converts Length, Area, Liquid Volume.
- MISSILE MATH XB,G,12A Practice the numbers 1-9 times tables to study. Gives correct answers.
- MYSTERY SPELL X,G,D7 Excellent graphics spelling game for everyone.

## EDUCATION

NUMBER NIBBLER X,G,D7 Math game for youngsters.

ROMAN NUMERALS XB,3A Converts Roman Numerals to Arabic or vice versa.

SAY SPELL X,S,D7 Excellent learning fun!

- SEA OF STATES X,G,2A Dive for treasure, but be careful! The Octopus may capture you and ask, "Pierre is the Capital of which State?". Fun family game.

SPANISH XB,D14 Presents the Spanish word for you to translate into English.

SPEED READ X,G,D4 Strengthen reading speed for the whole family.

- SPELLER B,TE2,D7 Enter your own words, and the computer asks you to spell the word, and gives you a sentence including the word. Great spelling practice tool, with speech.

SPELLING FLASHER X,D3 Add your own words to this spelling practice program!

TYPE INVADERS B,G,D5 Increase your typing skills. Family fun.

TYPING TIMER B,D2 How fast can you really type?

U.S. MAP X,G,D7 Excellent geography fun for the entire family!

WALK THE PLANK X,G,TE2(optional),1A Guess the words correctly or the sailor walks the plank. Fun family learning game. With TE2 you can utilize the speech included in the program. Nice feature: One player can type in the word for another player to guess. You can use your own words or those supplied by the computer.

WORD WORLD X,G,D7 Excellent graphics to teach spelling to youngsters.

## ENTERTAINMENT AND GAMES

- AARDVARK X,G,J,D9 Escape the Aardvark - Family fun!
- ADVENTURE XB,(B-Without PE Box),D2A Word adventure with monsters and treasures, secret rooms and the clue is, "Open it"
- AIRCRAFT XB,G,D2 Shoot down incoming aircraft.
- AIR-SEA BATTLE B,G,D2 2-Player war game.
- ALIEN XB,G,D13A Aliens are invading the Earth and you must prevent them from landing.
- ALLIGATOR X,G,D7 Leave the swamp maze before the alligator has you for lunch!
- ANIMAL X,D10 Create your own guessing game for many subjects - people, animals, cars, etc.
- ATTACK B,G,D11 4 Levels of difficulty. Destroy enemy aircraft without getting bombed.
- BACKGAMMON B,G,D1 Traditional game of skill and strategy.
- BASKETBALL X,D9 1-Player game.
- BASKETBALL STATISTICS B,D4 Keep stats on the entire team. This is a three (3) program set. Hard copy of this program is \$2.00.
- BATTLESTAR X,G,J,D9 Use your laser to destroy alien ships. Good graphics, good game.
- BIORHYTHM B,G,TP,D1 Graphs the emotions for 1-2 players. Optional use of thermal printer.
- BLACK BOX XB,G,D10 Find the hidden balls within the box.
- BLACK JACK X,G,S,D6 Traditional card game.
- BOA-ALLEY X,G,J,D9 Move through the maze safely. family fun.
- BOGGLER B,G,D14A Game of chance and skill. You and your opponent take turns filling the screen with colored blocks until you beat the computer.
- BOXING X,D7 Knock out the computer.
- BULLSEYE X,D7 Dart game for 6 players.
- BYTEMAN X,G,D14A Find your hungry little man while protecting him from ghosts trying to trap him in a sandwich. Similar to PAC-MAN, but easier for the youngsters.
- CAMEL B,D2 Ride a camel through the desert before the pygmys get you!
- CAMELOT B,G,D5 Choose your weapon - mace, sword, or lance, and joust with the Black Knight! Family fun!
- CAT DRAW X,G,J,D7 Use joysticks to create different shapes.
- CHECKERS B,G,D2 Traditional game - You against the computer.
- CHICKEN HELPER X,G,J,D3 Why did the chicken cross the road? Nice family game with good graphics.
- CIRCUS X,G,D12 Capture the balloons and land safely on your trapeze...or be squashed!
- CLASSICAL GAMES ONE X,D12 Want to play thermonuclear war with the USSR, in "Moonbase Fallout", or battle the beast in "Fokul", or maybe just try your skill in "Labryinth?" All three games are the options in these programs!
- CODEBREAKER X,D3 Guessing game to break codes.
- COPY CAT B,G,D10 Try to copy the sounds...like "Simon"

## ENTERTAINMENT AND GAMES

- CRAZY CLIMBER X,G,S,D7 Climb walls and avoid obstacles.
- CROSSWORD PUZZLES XB,G,D14 Old-fashion crossword puzzles for the whole family.
- DARK CASTLE B,G,J,D2 Find the castle and kill the Dragon.
- DEATH RACE 1999\* X,D12 2-Player game with a choice of shooting your opponent, or the crowd.
- DEVASTATOR X,G,D6 Protect the Earth from devastation-good graphics.
- DIAMOND DROP X,G,J,D9 Catch diamonds in this good graphics game.
- DODGER X,G,D12 Quick reaction and skill required to avoid the asteroids in this Star Wars-type adventure. Three levels of difficulty.
- DRAGON MAZE B,G,D1 Make it through the maze before the dragon gets you.
- DRAW POKER X,Mini-Mem(optional),D1A Traditional draw poker game against the computer. Call or Fold or lose your shirt.
- DUNGEONS X,S(optional),D12 Test your adventuring skills...with beasts and treasures. For 2-Players. Optional speech feature.
- EGGWARS XB,G,D10 Save Princess Lay-a from the Eggheads.
- ET XB,G,J,D1A Try and get this little fellow through several obstacle screens. Good and colorful family game.
- FACE PLOTTER X,G,D12A Adorable program. Build a face complete moustache, hair, top hat, and facial features - all at the touch of one key! See MAKE-A-FACE for BASIC Version.
- FIND HOME X,G,D14A Find your path home through the dangerous forest.
- FLY X,G,D8 Get that pesky fly!
- FORTUNE TELLER B,D9 Party game similar to a Magic Eight Ball.
- GET-GOLD X,D10 An adventure without graphics. A two-program set.
- GIANTS AND DWARVES X,G,D14A Several options for 1-2 players or you against the computer. Surround the monster to gain a Dwarf win.
- GOLF B,D6 Text only golf match. For the golfers in the family who sulk all winter.
- GRIZZLY ADVENTURE B,G,D5 Great graphics and good play. Run the rapids and hunt grizzly.
- GUNNER B,D1 Command a gun-crew.
- HAMMURABI B,D2 You are emperor! Decide the fate of your empire.
- HOMEWARD BOUND X,G,D3A Help the frog across the road and over the logs to reach home. Good graphics for all ages.
- HYPNOSIS XB,G,D11 Creates an "eye-catching" display to enhance hypnotic suggestion.
- IQ TEST B,D4 How smart are you? You'll be surprised at the results.
- JUNGLE JIM X,G,D9 The jungle is full of terror. Good graphics.
- KING OF THE CASTLE XB,(32K) or Mini-Mem(32K)Cassette, or Editor/Assembler(32K), Joysticks Fast-Moving assembly language program. Defend your castle against Vikings. Use oriental throwing stars and land mines. Eight levels. You must be a member to purchase this program. Cost is \$5.00 for disk or cassette.
- LABRYINTH B,G,D14 Make your way through the maze, as fast as you can timed run. Change maze.
- LAS VEGAS X,G,D13 Colorful one-armed bandit to relieve you of your money.
- LES PASSE TEMPS B,G,D2 Ancient game of skill to "Pass the Time".

ENTERTAINMENT  
ADULTS



## ENTERTAINMENT AND GAMES

LETTER BOMB\* B,D3 Typing game. Airplane drops bombs (letters) which you must destroy.

LIFE B,G,D1 Offers a mathematical philosophy of Life and Death. Graphics make it more understandable.

LIFE EXPECTANCY X,D12 Calculate your longevity by analyzing your answers to health and life-style related questions.

• LOST RUINS X,G,J,D9 Find hidden treasures and artifacts.

• LUNAR LANDER X,G,D1 Land your ship safely on the Moon.

MAKE A FACE B,G,D10 Make silly faces by just pressing a key. (See Face Plotter for Extended Version)

MELT DOWN X,G,D11 Become a hero! Save the world from nuclear disaster. Family entertainment.

MICRO-JAWS X,G,J,D9 You're a big fish in a small pond. Family fun.

• MURDER B,D8 "Whodunit?" Solve the mystery - similar to the board game "Clue". Family fun.

OCEAN SALVAGE\* X,G,J,D11 Dive for buried treasure, but be careful! The sharks are man eaters.

OUT HOUSE B,TE2,G,D14 Pictures, music, and drama all unfold in the show and tell of this old joke.

PASSWORD XB,D3 Protect yourself! This program requires a password to enter your program.

PEG JUMP X,G,D14A Game of skill and strategy. Try to jump all the pegs, leaving one.

PHOTO TEST\* TE2,S,D10 Test your photographic knowledge.

POSTER\* X,D3A Create a unique poster for birthdays, celebrations, holidays, etc. Choice of block letters or user defined character. Very large letters...two per page, horizontally.

PRINTER GRAPHICS X,P,D14A This program is strictly for fun! Prints an adorable picture for your kid's wall.

PYRAMID X,D13A You are a world-known archeologist on an important expedition. Will you find the precious artifacts? A word-adventure game.

QUESTIONNAIRE X,P(optional),D13 Create your own questions and answers.

• QUINTUS XB,G,D12 Strategy and skill required for the human to beat the computer at its own game.

RAINDROPS X,G,D1A Catch the falling raindrops in your bucket to score. Colorful and fast play.

REBEL PILOT XB,G,J,D1A Based on the famous Ty-fighter tunnel fight scene from "Star Wars". You maneuver your craft through the trench to destroy the enemy fighters.

RESCUE X,G,D3 Rescue Earth's colonists before the alien invasion.

RUBIK'S CUBE\* X,G,D3A This program shows you how the Rubik's Cube is solved, step by step. Good program for beginning programmers interested in program construction

RUNWAY X,G,J,D6 Skill required for an uneventful landing of your aircraft.

• SHMOO X,G,D10 Make the Shmoo happy by slinging mud at it?

SLOTTO B,G,D11 Try your luck with this Vegas game!

• SNAKES X,G,D5 Great graphics for family fun!

• SPACE JUNK X,G,J,D8 Shoot down the pollution in the atmosphere.

# ENTERTAINMENT AND GAMES

- SPACE SCOUT B,G,D5 Load and re-fuel your spacecraft without crashing into asteroids.
- SPACE PATROL X,J(Optional),G,D12A Destroy enemy ships - if you can catch them!
- SUCCESS B,D3 Family game similar to "Careers".
- TANK ATTACK X,G,D10 You play wargames with the computer.
- TERMITE X,G,D9 The termite must eat through the log, without hitting any knots.
- TIC, TAC, TOE XB,G,D14 Traditional Tic-Tac-Toe game with graphics. You against the computer. Two levels
- TIC, TAC, TOE 3D X,G,D9 Traditional game transferred to three (3) planes.
- TITAN X,G,J(Optional), D12A Select your level of experience as a pilot of a cargo lander, and land using a minimum of fuel.
- TITLE SCREEN X,G,D1A Create a colorful title screen display with four lines of input. Display for your VCR-movie signs, etc. Take a picture at a shutter speed of 1/30 to personalize your slide show.
- TREASURE ISLAND X,G,J,D8 Find the buried treasure if the pirate doesn't get you first!
- TRUCKER X,G,J,D3 Come on "Good Buddies", drive your rig through Texas-sized obstacles!
- UP-SCOPE X,G,J,D9 Submarine Game
- VISIONS B,D12A Changing Kaleidoscope of colors and patterns. This program will run up to forty minutes.
- WAGON WHEELS B,G,D11 Rescue the runaway wagons by avoiding obstacles.
- WALK THE PLANK X,G,TE2(Optional),1A Guess the words correctly or the pilot walks the plank. Fun family learning game. With TE2 you can utilize the speech included in the program. Nice feature: One player type in the word for another player to guess. You can use your words or those supplied by the computer.
- WILD KINGDOM X,G,D2 You are the lion-hunter in this maze game.
- WARD'S KEEP X,G,D8 Escape the Keep with all your treasures!

## MUSIC AND SOUNDS

- **ASSEMBLER** Mini-Memory,D11 Music assembler for use with the Mini-Memory Cartridge.
- **BOAT SONG** B,G,D3 Plays music with display screen.
- **CHRISTMAS\*** B,G,D8 Music and graphics to accompany tree trimming.
- **FARM TE2,G,S,D4** The farmer sings 'Old MacDonald'.
- **FIDDLE TUNES** B,G,D11 Be an expert fiddle player with choice of ten tunes, speed change, and tuning your fiddle.
- **MAIN SCREEN** B,G,D3 Plays music on a graphic computer screen.
- **MASH** B,G,D1 Display M\*A\*S\*H unit symbol and theme music.
- **MOZART** X,D12A Plays five pieces by Mozart
- **MUSIC BOX** B,D9 Plays lovely music.
- **MUSIC LESSON** B,G,D5 Learn music by chords and note-steps and patterns.
- **MUSIC MAGIC** B,G,D14A Allows you to create a song with up to three-part harmony, or restore a previous song. Similar to TI's Music Maker Cartridge.
- **OH! SUSANNA!** B,D5 Plays music with title screen.
- **ORGAN** XB,G,D3 Instant talent for the whole family!
- **PIANO** X,G,D4 Plays music with title screen.
- **PUPPY TOWN** B,G,D3 Plays music with display screen graphics.
- **RAINBOW** B,G,D9 Plays "Somewhere Over the Rainbow".
- **ROBOT BOOGIE** B,G,D3 Plays music with display screen graphics.
- **SNOOPY'S CHRISTMAS** B,G,D5 Snoopy trims the tree with music!
- **SOUND GENERATOR** X,D12 Generates the sounds and noises you desire - from simple tones, noises, and complex tones. Writes codes to screen.
- **STAIRWAY TO HEAVEN** XB,D11 Plays the rock-version of the title song.
- **STAR WARS** B,G,D13A Title theme with a display screen for this popular movie.
- **TALK** B,TE2,S,D12 With Speech Synthesizer and TE2, you may make the computer speak any line of text you type in.
- **THRILLER\*** B,TE2 D1A Spoken lyrics for the popular tune, "Thriller".
- **TREK THEME** XB,D12A Musical theme from Star-Trek.
- **TUNE YOUR GUITAR** B,G,D5 Tune your guitar without a piano or pitchpipe.
- **TYPE MUSIC** B,G,D5 Guess the tune by typing faster.
- **VENUS LANDSCAPE** B,G,D3 Plays music with screen display.
- **WESTERN BOOGIE** B,G,D3 Plays music with screen display.

## UTILITY PROGRAMS

ADVANCED ASSEMBLY LANGUAGE DEBUGGER 32K Memory and Editor/Assembler required. Diskette only. Locates bugs in assembly language programs. TI has just made this available to us. Cost is \$5.00 plus \$2.00 for the disk.

ANALOG\* X,J,G,D1A Displays row and column of the sprite, which you move around the screen with your joystick. Sure beats searching for the graph paper.

• ASSEMBLER Mini-Memory,D11 Music assembler for use with the Mini-memory

CATALOG XB,D1 A must on every Disk you own! Catalog Diskette without the Disk Manager 2.

CATALOG-HC X,D12 A hard-copy version of "Catalog". It prints out a disk directory on both screen and printer.

CATALOG-HC2 D3A Same as above but gives a condensed print using 2 columns. No screen printout.

CATALOG-NO SCROLL XB,D2 Similar to "CATALOG", but provides space bar option to stop long catalogs from scrolling off the screen.

NOTE: ALL FOUR CATALOG PROGRAMS COUNT AS ONE.

COLOR BARS XB,G,D12 Do the color tones on your television set annoy you? Well...this program will help you adjust them to a perfect tone!

COMPACTOR X,D12A Compresses the line numbers from a merge file by using a program saved in the merged format.

DISKLISTER/DISKDISPLAY XB,D4 Two program set which lists and alphabetize all your programs on disk. Also displays on screen and printer, and searches for program by one word.

LOAD X,D2 Provides automatic loading of Diskette programs with the touch of a key.

LOAD2 X,D1 Similar to LOAD, but doesn't require any change in the program to DATA statements. Automatically loads forty(40) programs to select to run with the touch of a key.

LOG AND FILE TE2,D12 Used with a modem and the TE2, this program makes a file on DSK1 called "LOGON", containing both a used-added logon sequence and/or an ASCII file taken from DSK2.

PLOTTER-3D B,G,D6 Plots one display of sprites.

SCATPLOT XB,TP,D12 Makes a scatter plot on screen and optional printer. Also fits mathematical curves to the data points input by user. CALL FILES(1) required to run in BASIC before loading.

SHRINK B,D6 Makes your program shorter. Especially useful for Basic programs which do not run with your PE Box.

SPEECHWORK TE2,S,D11 Convert speech to proper allophones.

SPRITES X,G,D7 Displays sprites.