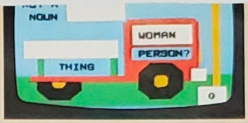
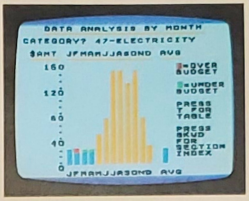
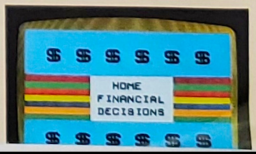
CL555D

Texas Instruments
Home Computer

How to enrich and expand your family's world.







TEXAS INSTRUMENTS
INCORPORATED

The Texas Instruments

Home Computer.

Enrichment, enchantment, excitement, enhancement.

The Texas Instruments Home Computer is the latest innovation in an exciting TI family of learning aids and advanced computational products for home and personal use — a remarkable new product with a remarkable potential to enrich and expand your family's world.

It can correlate, conjugate, calculate, captivate.

The TI Home Computer offers you a way to do more with your income by helping you make better buying, spending, savings and investment decisions. A way to keep track of your money and your assets through effective budget and record keeping. A way to control your weight and plan more nutritious meals. A way to keep physically fit with intriguing exercise programs custom tailored for each member of your household. A whole new way to share fun with your family and friends — to bring you back together again.

But, most of all, a way to *learn*. Because almost every time you do these things with a TI Home Computer, you learn to do them better. It's an exciting, mind-expanding discovery experience for your entire family. Your children have access to a growing selection of programs designed especially for them by educators to reinforce the basics they are learning in school – in exciting ways that bring out a child's natural wish to know.

There's nothing else you can buy today that can bring *this* kind of new dimension to your life. The TI Home Computer could be the most enriching investment you ever make — for everyone in your family.

It can be used by anyone in your family.

It's easy. Even if you've never been near a computer before. You can have it hooked up and giving you answers ten minutes after you open the box. You can use it if you can type with one finger.

With TI's Solid State Software™ Command Modules, you can load our plug-in programs into the computer in a single, simple operation. And the programs tell you what to do every step of the way and help you avoid mistakes.

Simply, the Texas Instruments Home Computer is a powerful computer designed especially to be easy for you to live with from the very beginning, for pre-schoolers or post-graduates, for a bright world of richer tomorrows.

It can teach.

A growing collection of carefully developed educational programs from the Learning Center of Texas Instruments, where Little Professor,™ DataMan™ and Speak & Spell™ were born to stretch and captivate growing young minds, and from Scott, Foresman & Co., one of the nation's leading educational publishers.

With plug-in programs like *Early Learning Fun*, *Number Magic* and *Beginning Grammar*, lights, music, motion, 16 bright colors and all the capabilities of a true computer come together for an exciting new world of home education. It's a constantly changing, constantly challenging learning resource, versatile as only a computer can be, so it offers an almost limitless vista of growth.

As children and minds grow, the TI Home Computer can help with more advanced concepts and subjects, up to and including true computer programming and high-level computer literacy.

And educational programs utilizing TI's breakthrough technology in synthesized speech are on the way — including already-available *Early Reading*, developed in conjunction with Scott, Foresman & Co., to bring children the added excitement of a talking computer for learning.

It can make more of your money.

You can use the computer's power to make better money decisions — like home and car loans, stock analysis, real estate investments and income tax. One brief illustration from a program called *Home Financial Decisions* will begin to show you how the computer can make financial evaluations easier, faster and more meaningful. And it can help you explore the how's, why's and what if's that appear when you change any part of a financial situation.

Suppose you're looking at buying a house (or comparing two possible house purchases). If you give the computer a few simple pieces of information, such as:

Computer Asks	You Supply
Price:	$80,500
Down payment:	$20,000
Number monthly payments:	360
Interest rate (%):	11.75
Property Taxes:	$ 1,200
Insurance payments:	$ 800
Computer Calculates	
Monthly payment:	$610.69
Monthly taxes:	$100.00
Monthly insurance:	$ 66.67
Total monthly payment:	$777.36

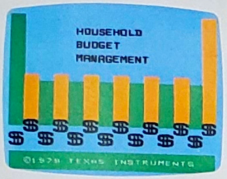
Perform the same simple operations for another home and in a matter of seconds, the computer will have given you a down-to-the-penny analysis of a purchase decision for one home versus another. It can also give you proportion of interest to principal in any projected month of your loan; project appreciation and increases in market value; address considerations involved in whether to buy or rent; and much more. And it can give the same kinds of analyses for loans, cars and savings. (In fact, bring this kind of problem to the TI Home Computer at your nearest store. You'll find out quickly how easy it is and how much you can get out of it.)

Other programs available in the computer's home financial library include *Securities Analysis*, *Personal Real Estate*, *Statistics* and *Tax/Investment Record Keeping*. They all have three things in common with the *Home Financial Decisions* program: 1) they'll give you back a lot more information than you put in; 2) they'll make you more efficient and more effective

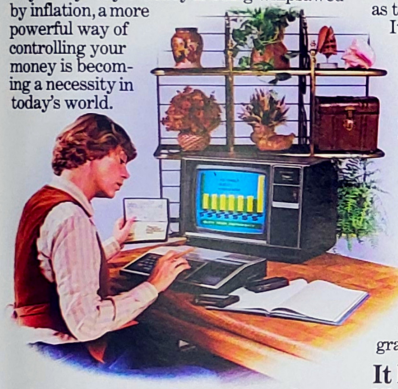
financially; and 3) they'll save you a world of time that you would rather spend doing things besides noodling numbers.

It can help you manage your resources and your records.

The computer can also be a constantly-available conscience if you want to keep your budget in balance or your checkbook in check. Whether you're saving toward a boat, a vacation house or a vacation, once you've included *Household Budget Management* in your plan, you have almost instant, month-by-month or year-end computation and projections of where you are with your wherewithal.



Texas Instruments financial and budget management programs have been designed with the input of financial experts. People who know as well as you do that the way everybody's money is being whipsawed by inflation, a more powerful way of controlling your money is becoming a necessity in today's world.



Another program, *Personal Record Keeping*, provides a step-by-step guide to creating, maintaining and using your own computerized filing system. It lets you set up, sort, file, retrieve, analyze and manage everything from stock accounts and a small library to teacher's grades and bowling league scores. You can even set up a complete household goods inventory for insurance purposes — with an accurate assessment of total value.

It can entertain.

The computer can also help make your family life more enjoyable than ever, with fascinating entertainment programs — from chess to football and more.

The *Video Chess* program was developed with the assistance of International Master David Levy. It provides a worthy, ever-ready opponent or a patient instructor, ready to play on any one of three levels, in any of four styles — normal, aggressive, defensive or even losing (if you need an ego boost).

TI's home entertainment programs also include a *Football* game that pits you and a friend as opposing coaches in a game of motion, sound and myriad football possibilities.

Plus *Video Graphs* for painting in computer graphics and *Video Games I* for a full arcade of games. Additional entertainment programs include *Soccer, Hunt the Wumpus* and *Mind Challengers*.

TI's home entertainment programs also provide one other important thing. A way for you and all your family to enjoy rich, quality times together.

It can talk like no other computer.

And if all of the above sounds amazing, you haven't heard anything yet. The Texas Instruments Home Computer can talk.

That's right, it talks. Talks like no other computer there is for anything like the price. With the optional Solid State Speech™ Synthesizer and the Speech Editor Command Module, you can run it through its paces with a vocabulary of almost 400 words and numbers from 0 to 999, or use speech as part of your own programs. And with our burgeoning library of programs with built-in speech, the computer's voice may one day soon become as familiar as the evening news.

It's a perfectly natural plus from the people who created Speak & Spell™ and changed synthesized speech from a technological curiosity into an everyday fact of life.

It can paint in 16 brilliant colors.

And there's more.

There's the brilliant palette of vibrant colors from which the computer paints everything it does and everything you do. Whether you're painting and sketching with *Video Graphs* or simply enjoying the golds and greens and cyans and magentas that shimmer through every program, from bar charts to basic grammar.

It has a constantly growing library of quality software.

And there's still more.

Much, much more . . . our growing library of software programs (capsuled on the back of this brochure).

We know how important quality programs are to your experience with your computer. That's why, at Texas Instruments, we use professional talents — writers, artists, musicians, teachers, scientists, programmers, consultants — and nothing less developing our programs. The people of the

Texas Instruments Learning Center are even now working with experts in education like Scott, Foresman & Co., experts in entertainment like Milton Bradley and many others to make our software library richer every day and of the highest possible quality.

It's a gift that can grow and grow.

And what's more . . .

It can be a gift to you and your family that can grow on and on as your family's needs and interests change.

It's even your doorway to an absolutely revolutionary new idea — with our optional telephone adapter accessories, you can have access to a vast information network. Up-to-the-minute wire service news, weather reports and stock market reports are at your fingertips. Along with reference services from local libraries and even complete computer programs from major syndicated data banks, and more to come.

And along with our software library, the selection of accessories for the Texas Instruments Home Computer is continually expanding.

It can enrich your family's world.

In total, the Texas Instruments Home Computer is a completely new way to help enrich your family's world — in directions as exciting and varied as the capabilities of the computer itself. It's a remarkable new resource, not only for doing dozens of things around your home better and faster, but for making learning and discovery an ongoing part of your whole family's world.

Discover the Texas Instruments Home Computer. Try it, test it, touch it, see how easy it is and how much fun it can be. And begin to imagine how you and your family might grow, and grow together.

Discover the Texas Instruments Home Computer today.

Look for the Texas Instruments Home Computer, along with our fine line of Learning Aids and advanced calculators, at the retailer near you. For a free brochure write: Texas Instruments Incorporated, Consumer Relations, P.O. Box 53, Lubbock, Texas 79408, or call this toll-free number: **1-800-858-4565.** In Texas call **1-800-692-4279.**

Home Computer.

This Christmas give your family a gift that's exciting, educational, entertaining and more. Now it's more affordable than ever.

The TI Home Computer is like no other gift you've ever given your family before. It can open up an exciting new world of education, home management and entertainment for you and your family. It can enrich and expand your family's world in many ways.

And now the TI

Home Computer is more affordable than ever. Texas Instruments has introduced a special TV adapter that lets you use any color or black-and-white TV set in your home as a computer display. With this economical adapter no special monitor is required — so you save hundreds of dollars.

A very special gift for your special family.

The TI Home Computer is the world's first computer specifically designed for home applications. It's a powerful, mind-expanding tool that can help you make more of your family's finances — so it can actually start paying for itself right away. It can help give your children an extra educational edge. And it can give your entire family a special new way to spend quality time together — learning, having fun, and building links that will last a lifetime.

Questions? See any of TI's Home Computer retailers.

Gather up your family, take them to your nearest Home Computer retailer, and begin to discover all it can do for you. Ask for a full demonstration. And don't be reluctant to try it yourself. It's amazingly easy and fun to do. Your retailer will show you how and answer your questions. If you have special questions, your retailer can get answers directly from our experts in the plant, if need be.

Get our complete list of software completely free.

For a detailed description of the expanding library of Home Computer application programs, get this free brochure by calling this toll-free number: **1-800-858-4565.** In Texas call **1-800-692-4279.** Or write: Texas Instruments Incorporated, Consumer Relations, P.O. Box 53, Lubbock, Texas 79408.

Fifty Years of Innovation

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Look for the TI Learning Center banner in your store. It's your symbol of quality in Home Computer programs.

Texas Instruments Home Electronics Learning Center
Innovations to enrich and expand your family's world.

Look for the Home Computer, TI's Learning Aids and our student and professional calculators under this banner.

Texas Instruments is known the world over for quality products. Products that are specially designed to be easy to use and easy to live with. The key is a special TI discipline we call "Learning Factors Engineering."

No company in the world has done more to bring the wonder and the power of electronics to the fingertips of people in everyday life. So you might expect a home computer from Texas Instruments to be very special. And this one is.

We've developed a special approach to creating programs for the TI Home Computer. Programs that offer practical utility and lasting value. Programs that are sensitive to your needs, that anticipate your questions and concerns, that understand where you're likely to hit a "snag" and when you may need help. Programs that sense when you may want more time and when you're anxious to move along. Programs that communicate on human terms, that give you graphics and sound effects and even speech but only when these help in the communication, the understanding and the enjoyment, not when it's frivolous and annoying. These are not attributes of the typical computer program design which demands that people conform to the computer's limitations. With TI programs, it's the other way around!

How to expand your computer.

Texas Instruments expanding library of programs.

Home Management/ Personal Finance Command Modules.

Household Budget Management. Gives you a step-by-step system to plan, control and stretch your resources — to really cope with inflation and taxes.
Home Financial Decision. Helps you make informed decisions about home or car buying, savings, general loans; lets you change many variables to select your best alternatives.
Personal Record Keeping. Lets you set up, sort, file, retrieve, analyze and manage all sorts of lists, collections, inventories, names, dates and places.
Statistics. Performs a variety of complex statistical operations with computer speed and accuracy. Leaves you more time to analyze results.
Personal Real Estate.* For personal real estate investments, addresses considerations like projected income and cash flow analysis, types of financing, tax calculations.
Securities Analysis. For the serious investor. Quickly analyzes stock performance, theoretical price, expected return, bond yields and more.
Tax/Investment Record Keeping. Lets you track and control data like stocks, bonds, real estate, commodities, Treasury bills and more.

Education Command Modules.

Beginning Grammar. Helps school children (grade levels 3-5) learn the basic parts of speech and how they're used to build sentences.
Early Learning Fun. Helps children (ages 3 through 6) learn by matching and identifying shapes and by sorting and counting objects that appear on the screen.
Early Reading. Talking program helps young children learn word recognition, sentence comprehension and vocabulary. To be used with Solid State Speech™ Synthesizer. Developed in conjunction with Scott, Foresman & Co.
Number Magic. Helps teach addition, subtraction, multiplication and division with color, lively pictures and sound. For ages 6 and up.
Addition and Subtraction I.* Developed in conjunction with Scott, Foresman & Co., a leading publisher of educational textbooks, to teach and provide drill in basic arithmetic skills.
Music Maker.* Lets children and adults alike compose music, hear it immediately, go back and re-work it right on the computer.

Entertainment Command Modules.

Video Chess. Developed with the help of International Master David Levy. Plays and teaches on three levels in normal, aggressive, defensive or "losing" styles.
Football. Lets you call offensive and defensive plays in a realistic coaching battle. Results of each play based on professional football statistics.
Video Graphs. An "electronic paintbrush" that lets you create fine-line drawings, mosaics or geometric patterns with 16 brilliant colors.
Video Games I. Provides countless hours of enchanting fun for all ages with Pot Shot (a shooting gallery), Pinball and Doodle.
Soccer. You control all the plays for one team — dribbling, passing, goal attempts and saves. For ages 8 and up.
Hunt the Wumpus. Hunt the dreaded Wumpus through a maze of underground caverns. Clues are everywhere, but it takes sharp reasoning and courage to win.
Mind Challengers. Challenge the computer or an opponent in reproducing up to 64 musical notes correctly, or breaking a computer-generated code.

Other Command Module Programs.

Physical Fitness. Five progressive exercise levels, to help you design a custom exercise program based on your age and general fitness.
Speech Editor. Lets you give your computer and your programs the added dimension of speech. Used with the Solid State Speech™ Synthesizer.
Terminal Emulator I. Lets you link your computer with consumer reference information networks and time sharing systems. Used with RS-232 accessories interface and telephone adapter.
Diagnostic. Lets both you and service technicians run a series of comprehensive tests to verify that the computer is operating properly.
Demonstration. A program that lets your friends get their hands on your computer. Developed to give a quick, enjoyable, thorough and easy demonstration.
Weight Control and Nutrition.* Uses individual information for family members to help meet weight and nutrition goals. Developed with Better Homes & Gardens.
Disk Manager. Clear, step-by-step instructions to help you make the easiest and best use of the extensive record keeping capabilities of the optional TI disk system.
Extended BASIC.** For when you want to do your own programming. Up to 28 moving objects on screen give you action programming in high-level language.

Cassette tape and diskette programs.*

Programming Aids I; Programming Aids II — Sorting Utilities; Personal Financial Aids; TI-Trek with Speech (the first of its kind); Math Routine Library (for students, scientists and engineers); Mailing List; Civil Engineering; Electrical Engineering; Graphing Pack; Music Tutor; BASIC Tutor.
Milton Bradley entertainment programs. Yahtzee†, Connect Four†, Hangman, Zero Zap†.

Call our toll-free Application Program Hotline.

New application programs for the TI Home Computer are being added constantly — from Texas Instruments and companies like Scott, Foresman & Co., Milton Bradley, Image Producers, Charles Mann, Hayden Publishing, Programma, Wolfdata, Compak and others. For the latest information about new programs call **1-800-858-4565.** In Texas **1-800-692-4279.**

*Available fall 1980
**Under development
†Trademarks of Milton Bradley

Telephone-linked information and reference services.

Your Home Computer, with optional telephone adapter accessories, can also give you access to a vast information network. Here are services currently available, plus additional services you can expect:
Home Management/Personal Finance. Investment Guide†† • Mutual Funds†† • Portfolio Management • Mortgage Analysis†† • Consumer Product Information†† • Hobbies • Energy Advisory • Home Buying/Selling/ Building • Checking Account Balancing.
Travel. Airline Schedules • Hotel Accommodations†† • Car Rental†† • Restaurant, Concert Directories†† • Weather Advisory (selected cities).
Financial — General. Dow Jones Averages • Stock Exchange Quotations • Bond Prices • Commodity Prices and Futures • Standard & Poor's Index • Dun & Bradstreet Index.
News. Worldwide News • Sports • Weather • National/Local • Features.
Education. Adult Continuing Education • Foreign Language Tutoring • Math†† • Grammar†† • Spelling†† • Algebra†† • Geometry†† • Social Studies††.
Entertainment. Space War • Black Jack • Lunar Lander • Golf • Civil War Simulation • Backgammon • Roulette.
Other. New York Times Consumer Data Base • Scientific, Engineering Programs • Astrology • Biorhythms • Computer Program Exchange • Programming Languages • Data Storage • Text Editing.
List of computer services based on published information from The Source and MicroNET.™

††Planned for future development

Main Console Specifications: 16-BIT microprocessor • 16K RAM • 26K ROM • up to 30K ROM in Solid State Software™ Command Modules • built-in BASIC • sound effects, five full octaves of music and 16-color graphics • built-in equation calculator.
Accessories: Color monitor • Solid State Speech™ Synthesizer • disk memory drive and controller • telephone coupler (modem) • thermal printer • RS-232 accessories interface • dual cassette cables • wired remote controllers • video modulator.

Fifty Years of Innovation

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