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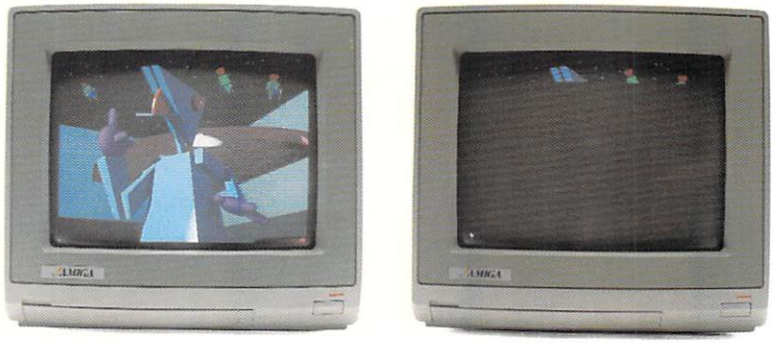

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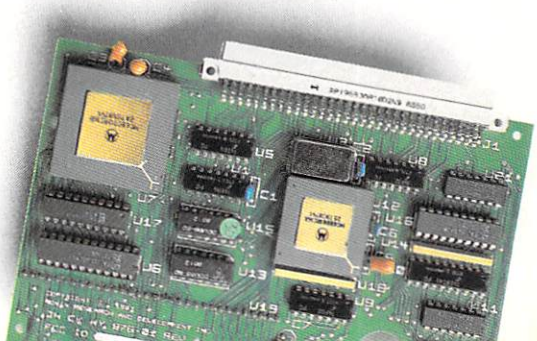

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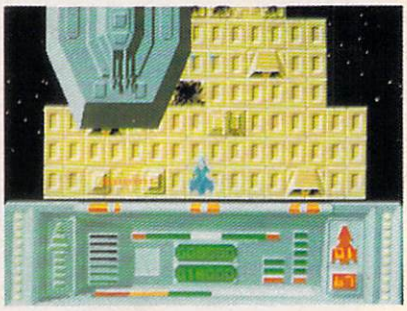

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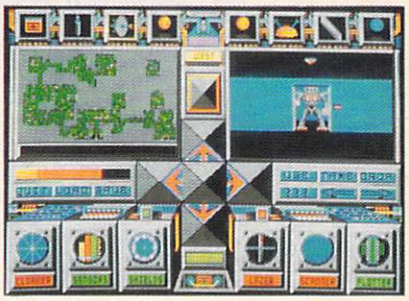

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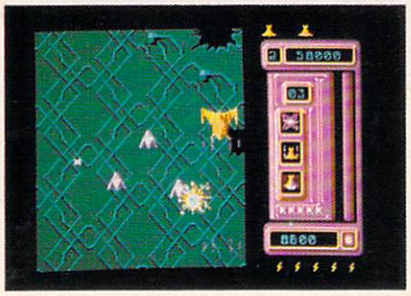

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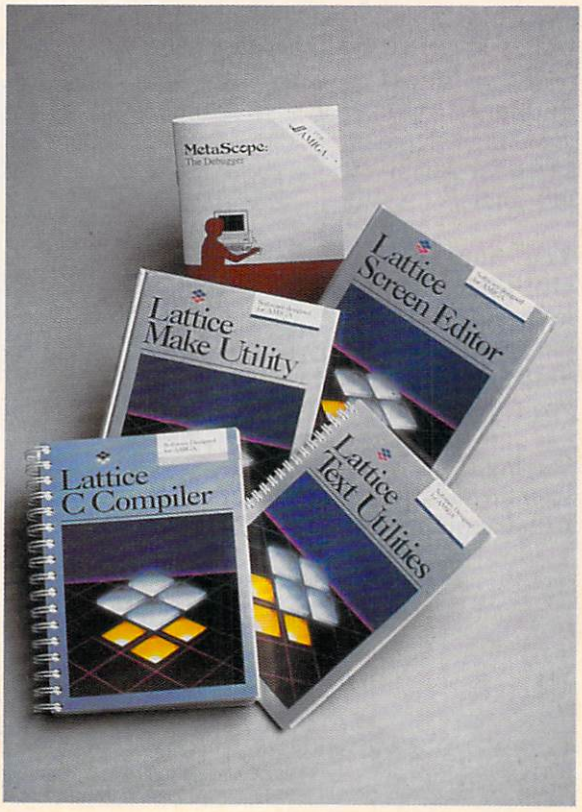

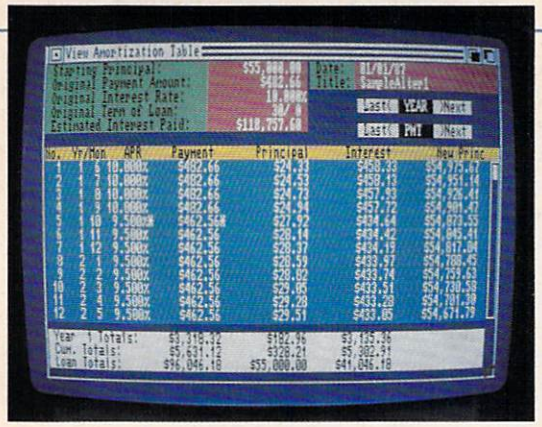

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EDITOR'S NOTES

Amiga!

Even in the feature-filled world of today's microcomputers, Amiga stands out. Few machines at any price range offer the variety of applications and capabilities that Amiga delivers. From fast-paced games with graphics you have to see to believe, to state-of-the-art videotape interfacing, to every office application imaginable, Amiga truly lives up to the description of a computer as an "anything machine."

We set out with this *Amiga Buyer's Guide* to gather between two covers all the "anythings" you can do with your Amiga 500, 1000, or 2000. Our research generated hundreds of software products in dozens of categories. The Amiga is supported by virtually every major software developer, as well as dozens of new companies which are springing up to develop and deliver products of their own. Amiga, it seems, is one bandwagon that every software company wants to be on.

It's easy to understand why. The machine's graphics capabilities are legendary. In fact, many software developers use an Amiga to generate game screens which are then used in software for other machines. Amigas are showing up in professional film- and videotape-editing studios—and many of those same professional-quality applications are becoming available to home users. Graphics can be imported from videotape combined in Amiga to produce your own animated sequences. This computer can turn your living room into a Hollywood-quality studio!

It's a computer you can listen to, as well as look at. Amiga supports audio as well as video digitizing. Add a soundtrack to that program you've put together. Lay down a musical score over your home movies. Amiga appeals to the ears as well as the eyes and the mind.

There's a business side to Amiga as well. It's already supported by some of the major business software publishers, and other business packages appear daily. Whether for home office applications or managing major office functions, Amiga is ready to go to work. Because the computer comes with a standard printer interface, your work can be printed or sent to plotters at the touch of a key. (Because Amiga supports so many printers via its standard interface, we did not include printers in this *Buyer's Guide*, using the space instead to expand our software listings.)

Those software listings are as complete as we could make them, covering publishers from Abacus to Zuma Group. The categories are self-explanatory, and as specific as we could make them. Within each major category, we've divided the software into subcategories, again aiming at being as specific as possible. Within the subcategories, the products are arranged alphabetically by title.

In the individual product listings you will find a capsule description of the product, along with its price and publisher or, if appropriate, its distributor. Addresses for publishers and distributors are listed in a separate section, located at the back of the magazine for easy reference.

Did we miss anything? Naturally, we hope not. But even with hundreds of product listings there's the chance that we overlooked some Amiga software. If we did, we want to know about it. Should you know of a product that didn't get listed here, drop us a line so that we can include it in our next *Amiga Buyer's Guide.*

And while we're asking, be sure to fill out and mail in the survey we've put together. The more we know about you and your interests, the better we'll be able to produce publications that suit those interests. You'll find the survey on page 27. Feel free to add any questions or comments you wish. We look forward to hearing from you.

Welcome to *COMPUTE!'s Amiga Buyer's Guide.*

— Keith Ferrell, Features Editor

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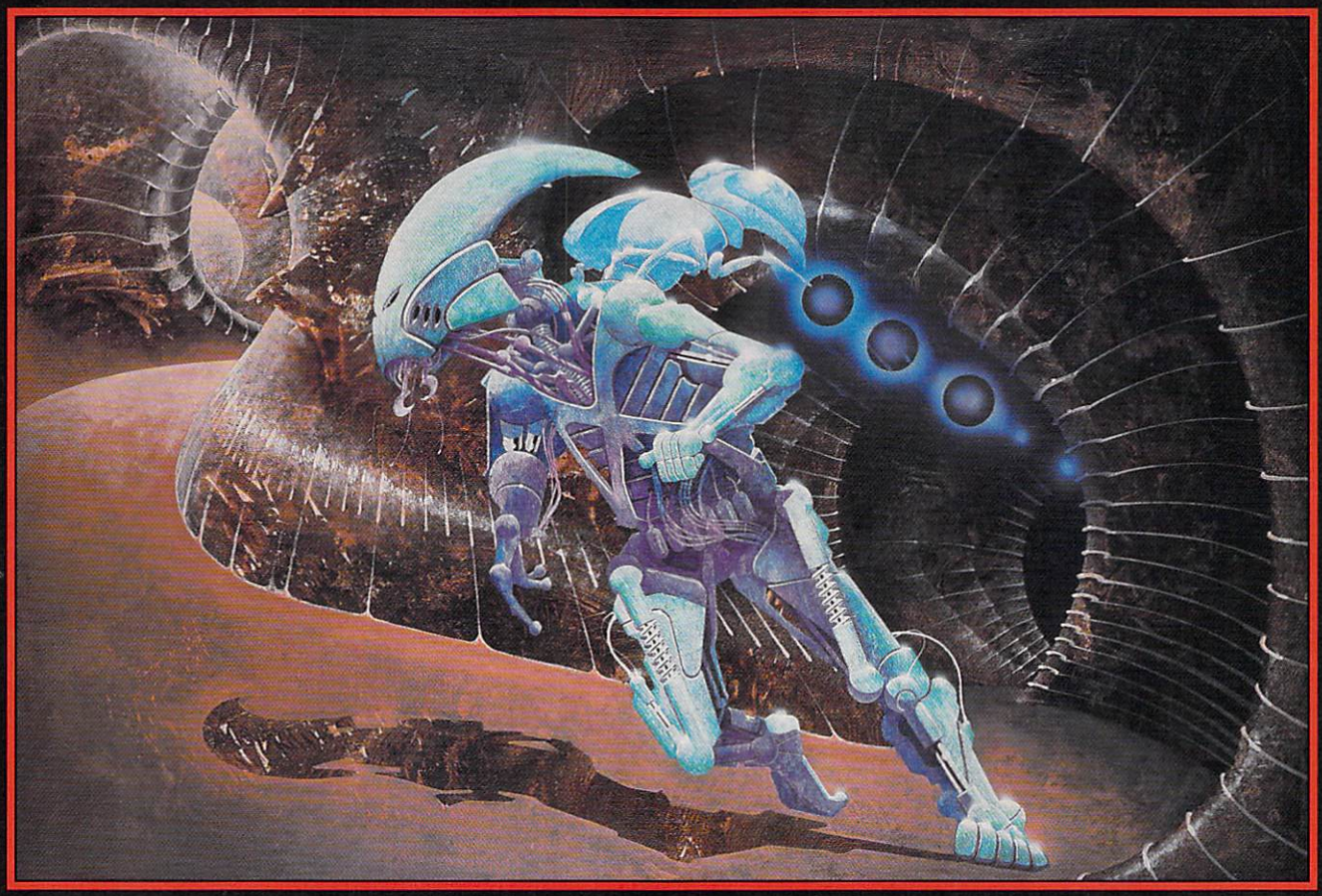

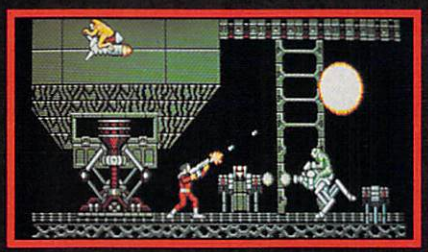

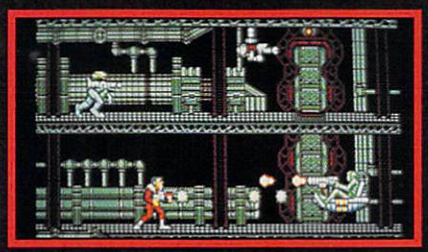

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CLOSE UP:

The Amiga 500

Rhett Anderson, Assistant Editor

The Amiga 500 is poised to break into the home market. Here's a firsthand look at the newest version of this powerful machine from Commodore.

Judging by Commodore's resolve at the most recent COMDEX computer show, the company is convinced that it can make the Amiga into the latest Commodore success story. The company is so convinced, in fact, that it is bringing two machines to market. The Amiga 500 is aimed squarely at the home computer market previously dominated by the 64. The Amiga 2000, along with the PC compatibles that Commodore recently brought to the U.S., is part of the company's effort to secure a foothold in the lucrative business market.

The two new computers replace the Amiga 1000, which won rave reviews and sold respectably, but never gained the critical mass necessary to become a runaway hit. Some sources have claimed that fewer than 200,000 Amiga 1000s were ever made. For a company which has sold over six million 64s, that number was not enough.

Fortunately, the new Amigas retain the 1000's star quality that dazzled the critics. And both have acquired a few new tricks of their own. (For a closer look at the 2000, see the March 1987 issue of COMPUTE!.) Amiga's new two-fisted attack on the market should end the criticism that the Amiga was too expensive to be a home computer and lacked the software base to be a business computer.

How did Commodore manage to reduce the price of the computer so dramatically? By taking a close look at the market and at its computer.

More than any other feature, the price is the greatest difference between the Amiga 1000 and the Amiga 500. The original Amiga was initially offered at $1,295 without an RGB monitor. The computer came with 256K bytes of RAM, expandable to 512K with a relatively inexpensive add-on. Further expansion was available, but expensive.

In contrast, a 500 with 512K RAM carries a list price of $595 without a monitor. The new price—plus a bit of advertising—may be the catalyst needed to make the Amiga a major player in the home-computer market.

The Inheritance

Rumors circulated months before the introduction of the machines speculating that the new Amigas would have graphics chips able to provide higher resolution, non-interlaced graphics. These chips are not present in either the 500 or the 2000. Reportedly, the Amiga engineers are still working on new dis-

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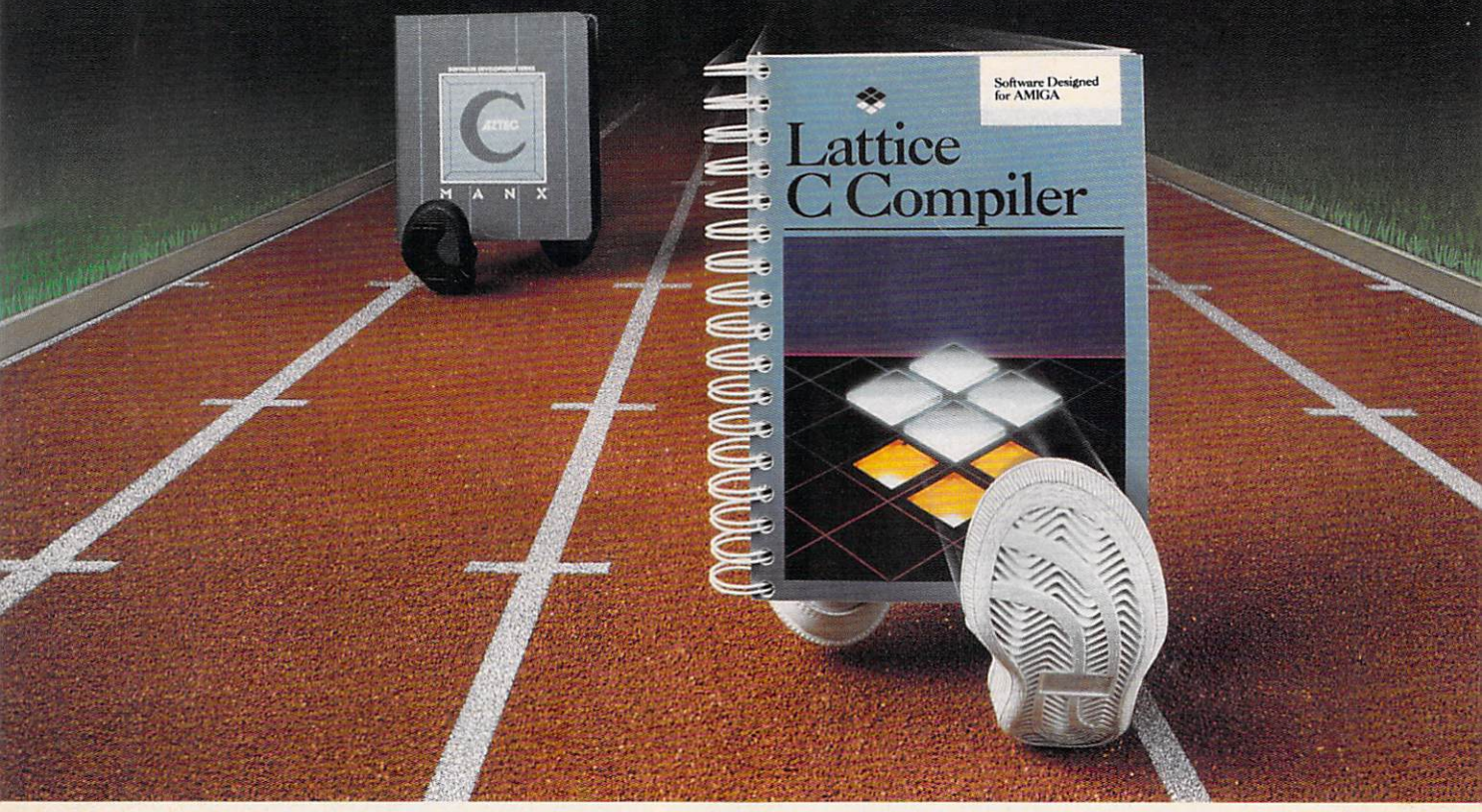

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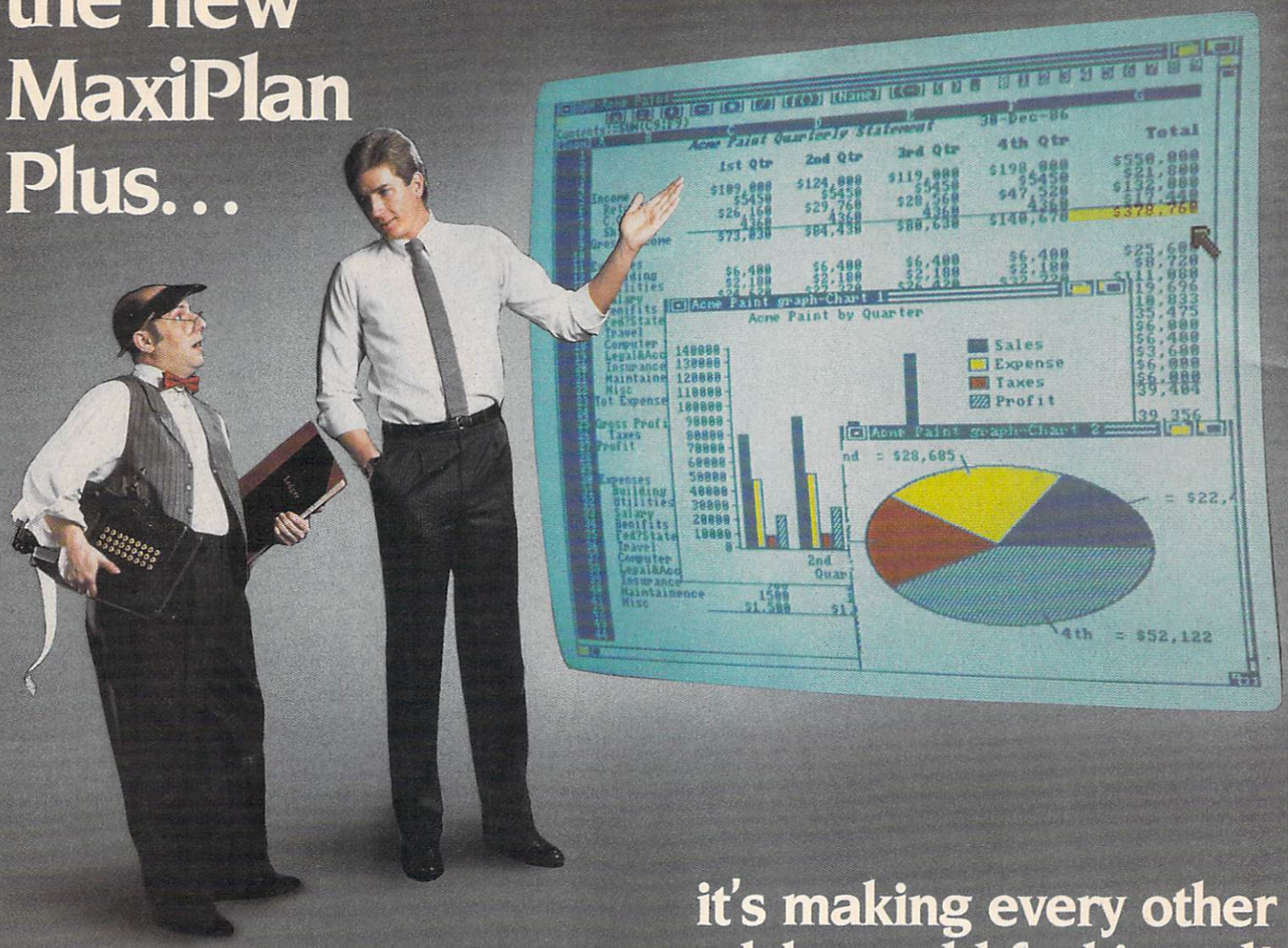

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play technologies. Presumably, any new graphics chips will first appear as enhancements for the 2000 (and possibly the 500), and then as standard equipment in new computers.

As it stands now, the Amiga still has the most impressive graphics of any home computer. With resolutions of up to 640 x 400 pixels and 4096 colors to choose from, the Amiga is capable of stunning displays. One special screen mode even allows all 4096 colors to be displayed at once. Without special programming, 32 colors per screen is the limit.

The Amiga's powerful chips allow large amounts of graphics data to be moved and combined quickly to provide animation that is almost of cartoon quality. For the artistically inclined, the Amiga runs the most spectacular paint programs available.

Commodore recently announced that arcade manufacturers are beginning to use a modified Amiga computer as the engine of their latest arcade games. As part of the agreement, Commodore will market the software produced by the arcade-game publishers. For the first time, you'll be able to play exactly the same game at home that you can at the arcade.

The 500 also inherits the musical virtuosity of its older sibling. The Amiga has a dedicated sound chip with four voices. Two voices each are routed to the two phono-plug outputs for stereo sound. Like the Apple Macintosh, the Amiga is a natural for recording and playing back digitized sound. Programs such as Electronic Arts' *Deluxe Music Construction Set* allow you to write your own songs and hear them played back with digitized trumpets, pianos, flutes, and other instruments. For those who want to use the Amiga for more serious musical work, MIDI interfaces are available for under $50, offering MIDI IN, OUT, and THROUGH. With this interface, you can drive external music machines such as synthesizers.

Multitasking

Another of the Amiga's powerful features is its mulitasking operating system. The computer can run several programs simultaneously. While this may seem like a novelty at first, its usefulness quickly becomes apparent. For instance, suppose you're typing away on your word processor and you discover you don't have enough room on any disks to save your text. Simply pull up the Workbench screen and format a new disk—without ever leaving the word processor.

The Workbench is a mouse- and icon-oriented windowing system like that of the Macintosh. The CLI (Command Line Interface) lets you communicate more directly with the operating system. Using a CLI is similar to using the MS-DOS A> prompt. The most recent version of the Amiga operating system, version 1.2, is nearly bug-free, and it's faster and easier to use than previous versions.

The New, Low Price

In order to make the 500 more cost efficient than the 1000, several design changes had to be made. These changes affect the style and personality of the machine.

The most obvious of the changes is the computer's appearance. The Amiga 1000, with its detachable keyboard, and space atop the computer for a monitor, resembles an IBM PC system. The 500 looks more like an Atari 1040ST. The 500's keyboard is physically part of the computer housing, and there's no space on the computer for a monitor. To make up for its relative immobility, Commodore expanded the keyboard, matching that of the Amiga 2000. The new keyboard has an enhanced keypad, cursor keys in an inverse-T layout, and larger function keys.

In another major change, Commodore placed the Kickstart portion of the operating system into ROM. In the 1000, 256K of protected RAM known as the WCS (Writable Control Store) held the operating system, which had to be loaded from disk. Commodore had originally planned to place the operating system in ROM, but didn't feel the software was sufficiently debugged when the 1000 was released. Using the WCS gave the software designers time to fix bugs and improve the performance of the computer. Commodore has evidently decided that the 1.2 version of the operating system is good enough to put in ROM. This commitment should help convince developers that the computer is "finished."

For additional cost savings, new custom chips and gate arrays were designed to take over functions which were previously performed by more common, off-the-shelf chips. For example, the Agnes chip has grown into Fat Agnes by incorporating much of the support circuitry that previously surrounded the chip. More powerful chips mean less complex, easier to produce motherboards.

More RAM

The Amiga 500 comes with 512K bytes and is easily expandable to one megabyte (1024K). Although the system can be further expanded (up to nine megabytes), users looking for this much power would be better off with the Amiga 2000, which can be expanded to the same amount internally. Readers familiar with eight-bit computers may think that the 256K of RAM in the Amiga 1000 is plenty, but a great deal of the commercially available software for the machine requires at least 512K.

A large amount of memory is especially important in a multitasking computer like the Amiga. The more memory you have, the greater the number of programs and utilities you can have in memory at once. One megabyte of memory allows for a large ramdisk, which can speed up the system a great deal. Programmers using assemblers and compiled languages like C, Pascal, and Modula-2 will almost certainly want at least one megabyte of RAM.

The Manuals

The Amiga 500 comes with two books, *Introduction to the Commodore Amiga 500* and *Amiga Basic*. The first tells you everything you need to know about setting up your computer and using it for the first time. There are chapters on using the Workbench and the CLI, caring for your computer, and adding peripherals to the 500. The BASIC manual is a reference manual that assumes you already know BASIC. Those ready to move beyond BASIC will need the detailed technical reference books available from Commodore.

The Amiga And The Rest Of The World

In general, the 500 is as expandable as the 1000. However, some of the ports have been moved, and two of these have had their genders changed. Here's a quick look at how the 500 gets its power and talks to its peripherals.

The power supply, separate from the computer, contains the power switch. This makes it difficult to turn the machine off accidently. If you do, however, Commodore recommends waiting several seconds before turning it back on again. Resetting the computer by pressing the Control key in conjunction with the two logo keys is preferable to flipping the power switch.

Two game controller ports are located on the back of the computer. These are used to connect joysticks, mice, paddles, and drawing pads to the Amiga. Although the computer can use either analog joysticks (which are standard for the IBM and Apple) and digital joysticks (which are standard for the 64 and Atari computers), the latter have effectively become the Amiga standard.

The 500 has the same RGB monitor output as the 1000. However, unlike the 1000, the 500 cannot use composite color monitors or televisions. It does have a new composite monochrome output which could be used to connect a high-persistance monochrome monitor for high-resolution word processing and graphics.

The genders of RS-232 serial interface and Centronics parallel printer interface have been changed to make them compatible with cables designed for the IBM PC.

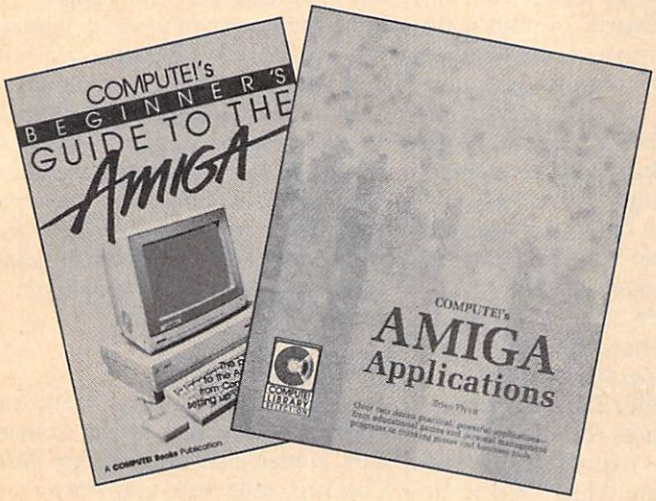
The expansion port has moved from the right side of the computer to the left. Although the 500's port is electrically identical to the 1000's, some devices will not connect to the 500. However, it won't be long before manufacturers begin to consider the 500 when they design new products.

One 3½-inch disk drive is built into the 500, and another can be connected to the external disk connector located on the back of the machine. The drives are double-sided and store 880K on each disk.

The Future Of Commodore

The Amiga 500 casing features the embossed name *Commodore*. It also uses a Commodore logo key in place of the left Amiga key of the 1000. Its new sister, the Amiga 2000, lacks any trace of the Commodore name. Apparently, Commodore expects to sell the 500 to the people most familiar with the Commodore name—those who bought the VIC, 64, and 128. The Amiga 2000 is aimed at another market.

The new Amigas are an impressive pair of computers. Home users will appreciate the 500's graphics, sound, and programming power. For the business community, the 2000 brings dazzling graphics and superb sound to the staccato of the MS-DOS world. The combination of developer enthusiasm and market excitement is already resulting in the appearance of innovative and powerful Amiga software and hardware products. If Commodore does everything right, it might just have another 64 on its hands. ©



New Amiga owners can get started right away with these two helpful books from COMPUTE!. From setting up the computer to calculating loan payments or playing games, these books can introduce you to the Amiga and its wide assortment of uses. Experienced programmers will enjoy the applications and games, too.

COMPUTE!'s Amiga Applications **$16.95**
Brian Flynn 438 pages
In *COMPUTE!'s Amiga Applications* there are more than two dozen applications for home and business, games for education or fun, and problem-solving tools for science and math to help you take advantage of the Amiga's powerful graphics and sound. All the programs are written in Microsoft BASIC. *A disk which includes the programs in the book is available for $15.95 (53XBDSK).*
ISBN 0-87455-053-X

COMPUTE!'s Beginner's Guide to the Amiga **$16.95**
Dan McNeill 256 pages
Everything a beginner needs to know to get started quickly with the Amiga—including setting up the system, the most popular types of software, and details about the hardware—is included in this Amiga guide.
ISBN 0-87455-025-4

Introductory Books for the Amiga

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ADVENTURE GAMES

Dark Castle
Three-Sixty
39.95

Play is set in medieval times, where the hero must fight his way through 14 different rooms of the castle. Each room becomes progressively harder as the player sends the hero up against rats, bats, and fire-breathing dragons. Dungeon torture and an evil wizard must also be overcome. The ultimate object of the game is to find and slay the Black Knight.

Defender of the Crown
Cinemaware
49.95

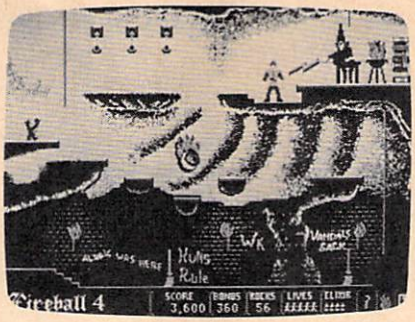
In this adventure, the player takes the role of a swordsman and military leader in medieval England. The player must lead the Saxon knights against the Norman invaders to defend England and end the civil war.

Déja Vu: A Nightmare Comes True
Mindscape
49.95

The player's head has a huge bump on it and his clothes are covered in blood. Nothing seems familiar in any of the rooms. There's been a murder, and the player is the suspect, yet the player is the only one who can solve the murder and absolve himself of the charges.

Dungeon Master
FTL Games
39.95

Dungeon Master is a realtime game of monsters, weapons, magical spells, twisting corridors, flying projectiles, and other surrealistic aspects of a dungeon world. The game incorporates color artwork, animation, and digitized sound.



A player must make his way through 14 rooms of a castle, battling rats, bats, dragons, and a wizard, in order to find and defeat the Black Knight in Dark Castle.

Faery Tale Adventure
Microillusions
49.95
Activision

Players travel through over 17,000 surface screens and another 2,000 screens underground and on an astral plane in this graphic adventure. The object of the game is to join the quest of three brothers as they encounter dragons, wizards, and princesses. Features include music and sound effects.

Gnome Ranger
Level Nine
19.95
Constellation Software

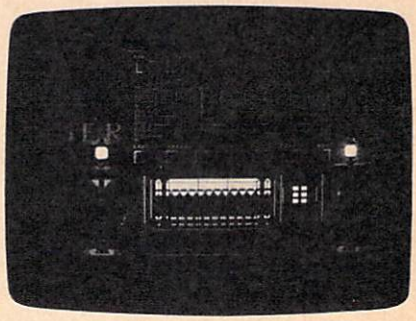
This graphics adventure game features Ingrid, who must be guided through a three-part odyssey. A 48-page gnome diary is included with the package.

Guild Of Thieves
Firebird
29.95

Guild of Thieves, the sequel to *The Pawn*, is an illustrated adventure that takes place in the mythical kingdom of Kerovnia. The program combines dialogue, graphics, humor, and puzzles. Players are supplied with a 40-page novella, a Bank of Kerovnia credit card, an Indenture and Contract of Service Certificate, dice, and play guide.

Karate Kid Part II
Microdeal
39.95
MichTron

Players fight opponents in competition where there are no trophies, no points, no referees, and no rules. In this game based on the motion picture, players must guide young Daniel through fight after fight until he reaches the castle of King Shohashi where he must do battle with the evil Chozen. There, the player must discover the secret of the drum or die. Players control Daniel with flying kicks, somersaults, punches, jumping, and ducking. Bonus points are awarded for catching flies with chopsticks and breaking ice with bare hands. Features include one- or two-player control, and choice of joystick or keyboard control.



Al Capone's gang controls the city in King of Chicago, *an action game based on Chicago during the 1930's.*

King of Chicago
Cinemaware
49.95

The setting is the crime-ridden Chicago of the 1930's. The player must battle the Capone mob for control of Chicago. Weapons include violence, intimidation, bribery, treachery, and clout. Game play includes 3-D animated graphics.

Land Of Legends
Microillusions
49.95
Activision

The first in the Quest Masters Series, this dungeon-style game places players in a fantasy world populated with bandits, monsters, brave warriors, wizards,

rogues, and wise priests. Features include the combination of a 3-D viewing window with an onscreen mapping feature, and a combat mode for when the adventure requires action.

Leatherneck
Microdeal
39.95
MichTron

The player becomes a commando warrior attempting to rescue captured comrades from the Evil Empire. Players must slash their way through the jungle and into the enemy command complex. An adapter is available that will allow up to four players to participate as commandos at the same time.

Return to Atlantis
Electronic Arts
49.95

This adventure takes place deep in the ocean where the player can search for the lost civilization of Atlantis, explore shipwrecks, rescue stranded mariners, and protect the ocean ecology. Using questions and answers to communicate, the player tries to glean clues and information from the assortment of characters. There are 14 scenarios with increasing levels of difficulty, and the player, either a male or female diver, is aided by two robots.

Rogue
Epyx
joystick
39.95

One player is given the mission of descending into the dungeon of doom to recover the amulet of Yendor and make it back to level 1 with the enchanted sword. The maze monster, deadly darts, and trap doors confront the adventurer on 26 levels of play. Each game is different.

The Seven Temples of Cortez
Aegis Development
512K
49.95

Players must find the hidden treasures of Ce Acatl Quetzalcoatl, while avoiding Kisin, the god of death. The game is set 2000 years ago in Mexico where a rich civilization thrived until the Spanish took over in 1521.

Shadowgate
Mindscape
49.95

As the last of the line of kings, the player is the only one left with enough power to destroy the Warlock Lord. The player must find the Warlock Lord in a huge castle full of secret passageways, collapsing floors, and the Warlock Lord's evil armed allies. *Shadowgate* is the third in Mindscape's line of graphic adventures.

Sinbad and the Throne of the Falcon
Cinemaware
49.95

As Sinbad the Sailor, the player undertakes a sea quest to help a princess. Along the way, the player encounters pirates, genies, romance, heartbreak, comedy, and tragedy, and his skills as swordsman, leader, and navigator are tested.

Tanglewood
Microdeal
Color Monitor
39.95
MichTron

The object of this graphic adventure is to help Uncle Arthur regain his mining rights to the planet of Tanglewood. The player has ten days to find stolen documents that will prove Arthur's rights to the Inter-Galatic Court. The quest takes the player through gardens, forests, rivers, swamps, underground mines, an earthquake zone, and into the Opposition Control Center. Players must gain the trust and support of the native Tanglians in order to uncover necessary clues to successfully penetrate the Opposition Center and recover the documents. The game is completely mouse-controlled with no text entry, and contains over 1200 locations and 700K of graphics.

Temple of Apshai Trilogy
Epyx
19.95

A trilogy, this adventure begins in the Temple of Apshai where the player must develop experience and strength to face future challenges. In the Upper Reaches of Apshai, the player meets mazes, monsters, and magic. The player then moves on to Egypt where he or she must face The Curse of Ra. There are almost 600 dungeons and dark places in the whole adventure.

Time Bandit
Microdeal
Color Monitor
39.95
MichTron

Players assume the role of the Bandit, traveling through space in search of treasure. Sixteen different arcade lands await the player with 16 levels in each land. There are over 3000 screens to travel through as players move across the landscape while the screen scrolls. There are three built-in graphic/text adventures. Players can pilot the starship *Excalibur* and find its missing crew, bring peace to a western Ghost Town, or play in a high-stakes card game in the dungeons of Castle Greymoon. The dual-player mode allows two players to play at the same time. The program is written in machine language and uses 350K.

Uninvited
Mindscape
49.95

In this graphic adventure, the player explores a demon-filled mansion. Using the mouse, the player chooses what action to take—examine, open, close, speak, operate, go, hit, or consume. The interactive text is accompanied by digitized sound and animation.

ARCADE GAMES

Aaargh
Arcadia
39.95
Electronic Arts

Based on Arcadia's coin-op arcade game, *Aaargh* features a monster that terrorizes towns and cities, eating people and demolishing villages, Chinese temples, and frontier outposts. The player must help the monster find an egg that is hidden beneath a building in each city, which leads to bonus rounds and higher point totals. Features include animated graphics, scrolling screens, and sound effects.

Airball
Microdeal
Color Monitor
39.95
MichTron

In this arcade game, an evil wizard has turned the main character into a rubber ball and left him in a mansion of over 300 rooms. The player must find the spellbook with a magic incantation that will return him to human form. The wizard has given the ball a slow air leak, so the player must also locate air pumps throughout the mansion while avoiding sharp objects in each room. Points are scored by picking up objects along the way. Players can use either the keyboard, a mouse, or a joystick to maneuver through the mansion.

BattleDroidz
DataSoft/Intellicreations
joystick
34.95
Electronic Arts

This action/strategy game places the player in an abandoned mining cavern of a far-away planet where remote-controlled mine droids are used for sport. The object of the game is to select a hexagon in a mine grid and send a battle droid into battle with a resident alien. Four energy pods must be collected before escaping. The player wins after completing a row of hexagons across the screen, but he will encounter many obstacles while racing against the clock. The game features 3-D scrolling graphics and 37 different landscapes to explore.

City Defense
Constellation Software
19.95

Players must defend several cities from laser beams from outer space. Weapons include a limited number of missiles. One or two players can compete. The game can be controlled by mouse.

Combat Zone
Keypunch Software
joystick
19.99

Players can become arcade ballistic experts in this combat action game. The action includes tank battles and helicopter air strikes.

Ebonstar
Microillusions
39.95
Activision

Players face off on the battlefield of *Ebonstar* in this futuristic space battle arcade game.

Emerald Mine
Constellation Software
19.95

This arcade adventure features over 100 levels of play. Players must collect diamonds and emeralds within each field while working against the clock and avoiding objects. One or two players can team up to win.

Fire Power
Microillusions
24.95
Activision

This tank battle game is the first in the One-to-One Arcade Game Series. One player can compete against the computer or two players can clash in split-screen action or battle via modem. Player options include tanks, tank characteristics, and battle scenarios.

Footman
Top Down Development
29.95

Players control *FootMan* as he munches dots and gobbles ghosts while traveling through 50 different mazes. A maze editor allows players to create their own levels of difficulty. Features include stereo sound, an 80-person high-score table, and one- or two-player options.

Fortress Underground
Constellation Software
19.95

Players fly a battle helicopter as they search out and destroy a hostile power station in an underground cavern. The game features over 640 screens.

Galactic Invasion
Microillusions
24.95
Activision

This second game of Microillusions' One on One Series takes place on a realtime star field of the Milky Way and an adjoining galaxy. One player can compete against the computer, or two players can battle against each other either side by side or via modem.

Gauntlet
Mindscape
joystick
49.95

There are over 100 mazes in this arcade-style game for one or two players. Each player chooses a character to search through the mazes for food, treasures, door keys, magic potions, and the exit to the next maze. Throughout the mazes, the heroes—Thor, Thyra, Merlin, and Questor—must battle a variety of monsters, ghosts, demons, and sorcerers to survive.

GoldRunner
Microdeal
39.95
MichTron

Players of *GoldRunner* must lead an expedition to find a new life-supporting planet. To reach this new world, the travelers must pass through the Ring

Worlds of Triton, which is a hostile section of the universe guarded by a merciless and omnipotent race of beings. Players must engage in open space aerial combat or strafe the planet's landscape in search of the power source that will destroy the planet. An onboard computer shouts warnings and encouragement to the player. An original music score accompanies the action.

Insanity Fight
Microdeal
39.95
MichTron

Players are given five fighters to begin this space-battle game. Once launched into space, players must survive the battle to eventually face the evil death ship. The fighter's display panel provides the player with information on radar, speed, time, and fuel level. The game offers several options while playing.

Karate King
Constellation Software
19.95

This karate combat game features nine different screens. Each fight opponent becomes more difficult as the game progresses. One to two players can fight it out.

Larrie & the Robbery of the Ardies
Constellation Software
19.95

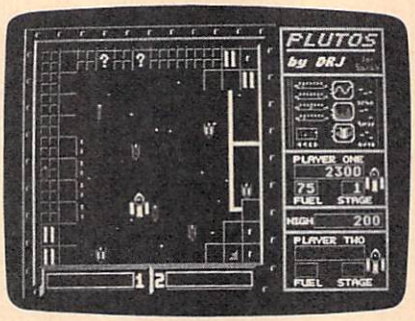
Players must help Larrie avoid fast-moving Ardies while collecting objects for points. The game features several levels and scrolling backgrounds. One to two players can participate.

Marble Madness
Electronic Arts
joystick
49.95

One or two players race against the clock or each other to get their marbles through the raceways and over the goal line. Obstacles include the humming hoovers, marble munchers, and steelie. There are six raceways—such as the silly level and the aerial race—to provide varying degrees of challenge. This arcade-style game features 3-D graphics and the musical score and sound effects from the original Atari coin-op version.

Persecutors
Constellation Software
19.95

Players must navigate a ship through unknown waters while avoiding force fields and aliens attackers. The game features over 65 levels of competition.



Bouncing disks, spinners, sentinel and an alien armada confront the player in Plutos *from Mindscape.*

Plutos
Mindscape
joystick
29.95

Stationed in outer space, the player must defend himself from attacks by spinners, bouncing disks, alien armadas, sentinels, and an immense mother ship. The arcade-style action is displayed in high-resolution graphics with background sound effects.

Space Battle
Constellation Software
19.95

One or two players can battle in space while traveling through an asteroid belt.

Street Cat
U.S. Gold
24.95
Epyx

Players must complete competitive events to determine who is the top cat. The cats must crawl, jump, somersault, and run through the park; spring off and land on floating platforms in the pool; cross the through the sewers; and bowl against the bulldog.

Thexder
Sierra On-Line
34.95

In *Thexder,* based on the arcade game, players control a robot that has the ability to transform from an android to fighter jet and back again. Players must battle over 20 types of aliens and must explore caves and battlefields. The program features a musical score that choreographs itself and reflects the action.

Turbo
Microillusions
24.95
Activision

A part of Microillusions' One On One Series, this auto racing action arcade-style game allows one player to compete against the computer and two players to race side by side or via modem. Game features include the choice of cars, oil slicks, spiked wheels, different road courses, and police chases.

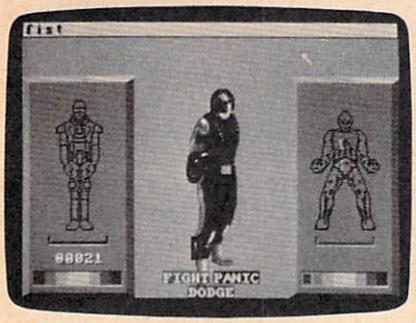
Viper Patrol
Keypunch Software
joystick
19.99

Players blast off into space in this action arcade game. Waves of enemy vipers must be destroyed as they attack the player's spacecraft head-on.

Vyper
Top Down Development
29.95

This space-adventure and battle game features 100 levels of competition with 25 different opponents and stereo sound. One or two people can play.

SCIENCE FICTION & SPACE GAMES



Strengths and weaknesses of each character can be defined in Paragons Software's Alien Fires.

Alien Fires

Paragon Software Corporation
512K, Kickstart v. 1.2
39.95
Electronic Arts

Players assume the role of a time lord who can transcend the barrier of time in this futuristic science-fiction role-playing game. Custom characters can be created by defining strengths and weaknesses in such areas as fighting, diplomacy, dexterity, and quickness. The game begins with the character being sent into the distant future to a small planet at the edge of the universe, called Galaxy's End. The object is to find a mysteriously vanished man known as Samuel Kurtz, creator of a time transportation device that must be destroyed. The game features a digitized rock soundtrack, scrolling 3-D graphics, and speech synthesis.

Empire

Interstel
49.95
Electronic Arts

This space strategy game combines combat, exploration, and artificial intelligence. Players must send forces to distant planets to build armies and navies, form nations, and gather resources. The object of the game is to gain influence and control of the galaxy. The game features over 30 commands.

Quizam!

Interstel
34.95
Electronic Arts

For one to eight players, *Quizam!* features eight game boards, eight levels of difficulty, and over 2000 multiple-choice questions. The players must decipher and answer questions in order to access eight satellites that are orbiting the Earth. Questions come from two main categories—fun facts, which includes sports, games, culture, television, and potpourri; and school days, with questions from vocabulary, history, art, and other studies. The package also includes "Quizzer!," a program that allows players to design their own questions and answers.

Roadwar 2000

Strategic Simulations Inc.
512K
39.95

It's the year 2000, and the United States is on the verge of destruction from bacteriological warfare. The player is assigned the task of locating eight scientists and taking them to a secret underground lab where they must develop a life-saving serum. The search is made harder and more dangerous by the hordes of mutant beings and rival road gangs the adventurer meets on the journey.

Roadwar Europa

Strategic Simulations Inc.
512K
44.95

In this sequel to *Roadwar 2000*, terrorists threaten to detonate five nuclear devices in 21st-century Europe. Commissioned by the United Nations, the player leads a gang against the terrorists to find and disarm the bombs, and then destroy the terrorist leaders. Mutants, cannibals, and rival road gangs attempt to stop the rescue group, which is armed with guns, crossbows, and rams. The crew and vehicles from *Roadwar 2000* can be transferred to this version, or the player can design new ones.

The player must find and transport eight scientists to a secret lab to prevent the total destruction of the world in Roadwar 2000.

Silicon Dreams

Firebird Licensees
29.95

Three smaller games are combined in this space adventure. The player is a colonizer of the planet Eden in the twenty-third century. In the first game, Snowball, the player awakens from hibernation on a transport ship on its way to Eden. In Return to Eden, the crew of the Snowball travels to the city of Enoch on Eden. Finally, in Worm of Paradise, the adventurer must find a way to solve the problem in Enoch.

In Roadwar Europa, *the sequel to* Roadwar 2000, *the player and his band must stop a gang of terrorists from blowing up Europe.*

Slaygon
Microdeal
39.95
MichTron

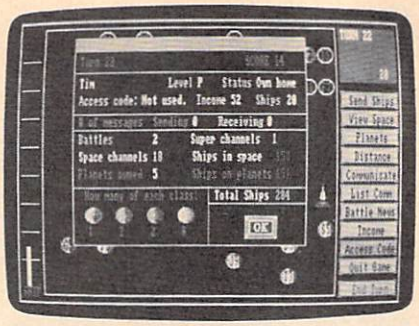
The *Slaygon* is a sophisticated military robot that cannot be stopped by conventional weapons. The robot is sent to the Cybordynamics Laboratory to disable the main computer, blow up the facility, and thwart their plans of world domination. A cloaking device makes the robot invisible, and a short-range scanner alerts the robot of danger. Shields help absorb destructive energy, while a storage room allows the robot to pick up objects for future use. An information panel provides an energy level indicator, directional indicator, and an overhead-map view of the player's movements.

Star Fleet I
Interstel
55.00

FLEET members begin as cadets in the academy and compete to advance to Admiral Emeritus, where they can control 36 galactic cruisers, 13 ship systems, and 500 crew members in an attempt to eliminate evil from the galaxy. Communication is conducted through the Star Fleet Headquarters BBS. Features of this space strategy game include phasers, torpedoes, shields, transporters, mines, computers, navigation, color animation, sound effects, and music. The package includes a 70-page academy training manual, a 100-page officers manual, and a quick-reference command card.

Starglider
Firebird
44.95

The player is commander of an airborne ground-attack vehicle challenging the almost-invincible starship, Starglider. To defeat the ship requires quick reflexes, skill, and a few tricks. Maneuvers occur in 3-D animation. The package includes a flight-training manual, color poster, keyguide, and a novella, which sets up the story.



Multiple windows, color graphics, and sound are featured in the space adventure Stellar Conflict *from PAR Software.*

Stellar Conflict
PAR Software
512K
39.95

As emperor of the planet, the player must use the starships to mine other planets and conquer the galaxy. The game features randomly generated galaxy maps, multiple windows, timed turns, rebellions, multiple classes of planets, color graphics, and sound. Players can send each other messages and display income or battle information during their turns. The sound can be toggled on and off. One to four players can compete on three levels of play.

Terropods
Psygnosis Limited
39.95
CSS

A scrolling, 3-D playfield provides the background for this arcade-style space adventure. The player is a Federation agent who must uncover the secret of the Empire's war machine, Terrorpod. He or she travels undercover to the asteroid Colian with a defense strategy vehicle (DSV), a trading allowance, and an incomplete map of the main crater. However, before long, the Empire discovers the intruder and now the player must find a way to survive—by mastering the trading style of Terrorpods. The game can be played in a variety of European languages, British English, or American English.

FANTASY GAMES

Alternate Reality: The City
DataSoft
39.95
Electronic Arts

The first in a series of Alternate Reality programs, this fantasy role-playing game places the player in a room with one exit. Beyond the door is the city of Xebec's demise, and above the door is a panel of constantly changing numbers. The numbers represent the character's attributes: stamina, charm, strength, intelligence, wisdom, skill, and wealth. When the player steps through the door, the numbers quit changing and the attributes are set. *The City* is designed to help players build their attributes, explore the city, and develop characters who can survive the hardships, battles, and quests that will be presented in future *Alternate Reality* games.

Text, color, and three-dimensional graphics are combined in The Bard's Tale, *a three-part fantasy game.*

The Bard's Tale
Electronic Arts
49.95

This three-part adventure game takes place in the fantasy town of Skara Brae, which is under the curse of the evil wizard, Mangar. In the first part of the adventure, the player searches the town for treasures and magic that will aid a small band of characters in their fight against Mangar. Next, this party must survive a variety of obstacles. The ultimate goal is to find and defeat Mangar. Characters use items such as weapons,

shields, armor, gloves, and rings in the adventure. Four types of magic—conjuring, magic, sorcery, and wizardry—can also be summoned. The action takes place in 16 dungeons, two towers, mazes, and the graphics are depicted in three dimensions.

The Bard's Tale II: The Destiny Knight

Electronic Arts
49.95

A continuation of *The Bard's Tale*, this version of the dungeon fantasy game has a new story line and additional dungeons, magic, combat strategies, characters, clues, monsters, and territory. There's a new master magician, the Archmage, and seven timed puzzles titled the Snares of Death. Adventurers can explore six cities and 25 dungeon levels and create new characters in the starter dungeon.

Exodus: Ultima III

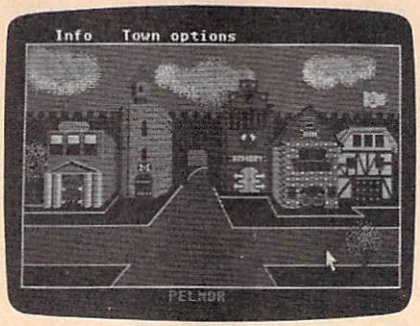
Origin Systems
color monitor
39.95

In this one- to four-player game, the players try to defeat Exodus, progeny of Mondain from *Ultima I*. This installment of the *Ultima* series contains full-color graphics and a musical soundtrack. The package includes a double-sided disk, cloth map, two spell books, a rule book, and a reference card.

Jewels of Darkness

Firebird Licensees
29.95

This trilogy of games takes place in the land of the Demon Lord. In Colossal Adventure, the player is on a quest to rescue the elves from the Demon Lord's subterranean dungeons. Then, in Adventure Quest, the wizard's high council directs the player to use his or her magical powers to defeat the Demon Lord. After defeating the Demon Lord, the adventurer can search for glory and riches in Dungeon Adventure.



Players search the Isle of Gelnor for the nine rings and to defeat the Dark Lord in Phantasie *from SSI.*

Knight Orc

Firebird
44.95

In this three-part adventure game, the player is an orc in a magical world of illusion. The orc has the opportunity to pay back the human race for years of persecution. The program features an advanced language interpreter with a 1000-word vocabulary that accepts high-level commands. The action uses graphics, character interaction, and cross-communication.

Moebius: The Orb of Celestial Harmony

Origin Systems
joystick
59.95
Brøderbund

Kaimen has stolen the magical orb from Moebius, and it is the player's responsibility to recover it before the entire universe is destroyed. This fantasy-game incorporates graphics and an element of magic into the search for artifacts, good karma, and mind strength. There are 26 types of terrain and four planes to explore—earth, water, air, and fire. The game features window options menus and is stored on two double-sided disks.

Paladin

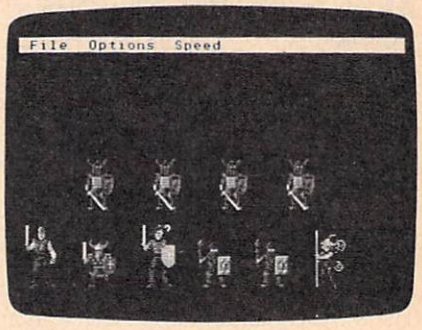
Omnitrend
39.95

Players must battle dragons and trolls in this fantasy-combat game. The one-player game features ten-character combat squads, multiple-level combat areas, magic, and assorted weaponry. Players can also design their own quests with the quest builder.

Phantasie

Strategic Simulations Inc.
512K
39.95

The player chooses up to six characters—from monks and wizards to gnomes and lizard men—to aid in the search for the nine rings to defeat the Dark Lord. The journey takes place in Gelnor, where the band of warriors must explore dungeons, solve puzzles, and battle many monsters. Along the way, new characters may be recruited and magical spells can be learned. Action is in high-resolution, color graphics.



The player and his band of warriors confront the Dark Lord and try to prevent him from conquering the world in Phantasie III.

Phantasie III: Wrath of Nikademus

Strategic Simulations Inc.
512K
39.95

The final game in the *Phantasie* trilogy, this fantasy adventure pits the noble warrior in a battle to stop the Dark Lord from conquering the entire world. Again, a band of six characters is led on a search through dungeons and wilderness, battling a variety of monsters

and magic. Bows, arrows, and new magical spells have been added, along with some new evil mongers. The goal is to find and defeat Nikademus in the final confrontation.

Ultima IV: Quest of the Avatar

Origin Systems
color monitor
59.95
Brøderbund

In this *Ultima* version, the player must find the Codex and become an avatar to destroy the evils still lurking in the hearts of the people of Britannia. During the search, the player may discover eight characters and many different magical items to help in the quest. There is also a variety of creatures, situations, and scenarios the player must confront and defeat during the search.

TEXT & ROLE-PLAYING GAMES

Alternate Reality: The City

DataSoft
256K (Macinstosh)
39.95
Electronic Arts

The first in a series of Alternate Reality programs, this fantasy role-playing game places the player in a room with one exit. Beyond the door is the city of Xebec's demise, and above the door is a panel of constantly changing numbers. The numbers represent the character's attributes: stamina, charm, strength, intelligence, wisdom, skill, and wealth. When the player steps through the door, the numbers quit changing and the attributes are set. *The City* is designed to help players build their attributes, explore the city, and develop characters who can survive the hardships, battles, and quests that will be presented in future *Alternate Reality* games.

Arazok's Tomb

Aegis Development
49.95

An ace reporter searches the forests of Scotland for Daphne, who is trapped in Caer Arazok's tomb. The player must find out where the tomb is, and then battle enemies to reach it and free Daphne. Graphics, sound, animation, and speech are combined in this role-playing, text-adventure game.

Beyond Zork

Infocom
49.95
Activision

Beyond Zork combines interactive fiction with a character-building role-playing game. The game is not a sequel to The Zork Trilogy, but is a new chapter set in the Zorkian universe. The user creates his own character, choosing different levels of six attributes, which increase with experience. Windows display the character's attributes, location, and inventory. Players choose the screen option—either with the on-screen map and window display or with a standard text-only screen. Programmable function keys allow single-keystroke commands. With the mouse, characters can move from room to room, and an undo command allows the user to back up one move.

The Crimson Crown

Polarware Software
29.95

In this follow-up to the game Transylvania, the player returns to Transylvania with Princess Sabrina and Prince Erik to recover the crimson crown that has been stolen by the vampire. Danger awaits all in the forest and its underworld. Action is depicted in graphics and text, and commands are given in English sentences. It is not necessary to have played Transylvania.

The Financial Time Machine

First Row Software Publishing
39.95

Players find themselves in the 1930s with more than $25,000 in this stock market role-playing game. After playing the market during the depression, players can enter a time machine and invest in the market during another decade. Four separate stock portfolios can be used to compare strategies. Players can choose from six different information screens.

Global Commander

DataSoft/Intellicreations
joystick
39.95

The player becomes a global leader whose responsibility is to monitor and regulate the world's nuclear superpowers. The object of the game is to establish close working relationships with the individual countries; to promote good relations between each country; and to make sure economic and military balance is maintained. Countries will contact the leader for advice and permission for actions. It is also the commander's responsibility to monitor satellite intelligence reports and radio airwaves. He also controls SDI satellites, troop placements, and spy networks that keep tabs on each superpower.

The Lurking Horror

Infocom
39.95

As a student at the George Underwood Edwards Institute of Technology, the player has vowed never to descend into the dark, underground tunnels and basements of the school. However, on one stormy night, the student finds himself sinking deeper and deeper into the underground passageways. The player must find a way back out. The package includes a copy *G.U.E. at a Glance* and a student I.D. card.

Nord and Bert Couldn't Make Head or Tail of It

Infocom
39.95

Eight short stories make up this interactive fiction game based on word play and double meanings. Each story is played by solving the word puzzles. In Buy the Farm, the user must respond with cliches such as "leading a horse to water." Homonyms are the answer in Shopping Bizarre, and in Play Jacks, the clue words begin with "jac." Other stories include Act the Part, Eat Your Words, Shake a Tower, Visit the Manor of Speaking, and the finale, Meet the Mayor.

Oo-Topos
Polarware Software
29.95

The player's mission is to deliver a serum to Earth in time to save the planet from total annihilation. However, along the way the hero is taken prisoner on the planetoid Oo-Topos. The player uses English commands to guide the adventure, and the computer describes the action and locations with both text and graphics. *Oo-Topos* contains a vocabulary of over 1000 words and more than 100 graphics. A ship's manual and computer readout is also included.

The Pawn
Firebird Licensees
44.95

An interactive-text adventure, this game takes place in the fantasy world of Kerovnia. There are a variety of plots and subplots in the tale, each with an assortment of objectives. A database provides information on the attributes, properties, and positions of all the characters and objects.

Plundered Hearts
Infocom
$39.95
Activision

In this interactive romance, the player assumes the role of the heroine, who finds love and adventure aboard a seventeenth century ship while she sails the Carribean in search of her ailing father. The player controls the heroine's fate as she encounters pirates, crocodiles, rough seas, and the handsome pirate captain, Nocholas Jamison. The package includes the software and a velvet reticule that contains a 50-guinea note and a letter from Jean Lafond.

Ports of Call
Aegis Development
512K
49.95

Players become ship owner and ship captain of a cargo ship that has no regular schedule, but takes on freight wherever it can be found. This economic and strategic simulation game requires players to become financial wizards, and to learn how to expertly maneuver the freighter. Programmers of this game researched ports around the world.

Prime Time
First Row Software Publishing
39.95

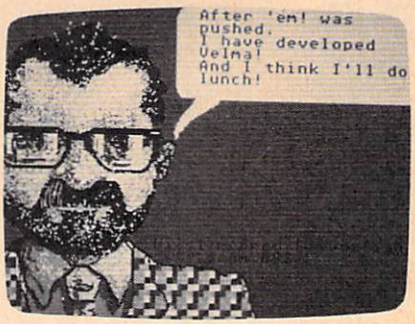
Players assume the role of TV network boss in this game that spoofs the television industry. Game play consist of planning a program schedule, canceling shows, buying shows, and doing lunch. The game takes advantage of the Amiga's graphics, and digitized speech. The game package includes a program board, a TV contract, and a TV "Wise" Guide.

Return to Atlantis
Electronic Arts
49.95

This adventure takes place deep in the ocean where the player can search for the lost civilization of Atlantis, explore shipwrecks, rescue stranded mariners, and protect the ocean ecology. Using questions and answers to communicate, the player tries to glean clues and information from the assortment of characters. There are 14 scenarios with increasing levels of difficulty, and the player, either a male or female diver, is aided by two robots.

Romantic Encounters at the Dome
Microillusions
39.95
Activision

Players assume the role of guest in a futuristic singles club where parties, dancing, love testing, and various types of people can be found. This interactive text adventure allows players to live out their fantasies while experimenting with people and situations. The adventure was written by a screenwriter and a psychologist, and contains explicit adult situations.



Duties of a TV network boss include scheduling programs, buying and canceling shows, and taking clients to lunch in Prime Time *from First Row Software.*

Sherlock: The Riddle of the Crown Jewels
Infocom
39.95

The player assumes the role of Watson, Sherlock Holmes' associate, to solve the case of the missing crown jewels. The jewels were stolen from the Tower of London and must be found before the Queen's Jubilee in 48 hours; however, the clues are all in riddles. As Watson follows the suspect, Moriarty, the player can learn about Victorian Britain in this interactive fiction game. The Amiga version includes sound.

Stationfall
Infocom
34.95

In *Stationfall*, the sequel to *Planetfall*, the player's assignment is to travel to a nearby space station to pick up a supply of forms with the robot, Floyd. However, strange things have been happening at the space station, and the player along with Floyd, an ostrich, an Arcturian balloon creature, and a robot named Plato try to solve the mystery. The package includes three assignment forms, a set of blueprints for the space station, and a sew-on patch.

Transylvania
Polarware Software
29.95

The adventurer uses English commands to conduct the search for Princess Sabrina, lost in the forests of Transylvania. This interactive text game features puzzles, text, and graphics.

The Traveller's Return
Omnitrend Software
39.95

The player assumes the role of a traveler who is sent to earth as an emissary for another world in this animated role-playing adventure game. Play in this one-player game is controlled by a mouse/keyboard-based parser. Players must talk, trade, and sometimes fight dozens of nonplayer characters.

SIMULATIONS

Arcticfox
Dynamix
49.95
Electronic Arts

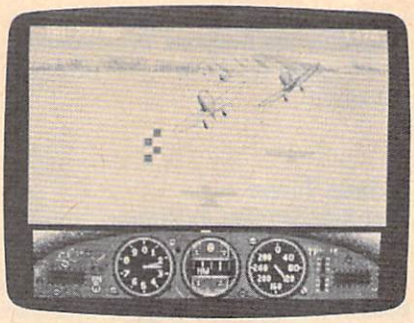
A new high-tech snow tank that accelerates from 0 to 100 in four seconds is Earth's only defense against the aliens that have invaded the South Pole. The player controls the Arcticfox as it travels across mountains, crevasses, ice fields, and tundra, and through electrical storms and blizzards; landscapes are displayed in 3-D. The tank uses lasers, cannons, mines, heavy armor, and guided missiles to ward off attacks from nine alien crafts. This game offers real-time tank movement, first-person cockpit and missile views, and instrumentation such as zoom, radar, clock, and compass.

Balance of Power
Mindscape
49.95

The player takes the part of either the President of the U.S. or General Secretary of the U.S.S.R. in this strategic simulation. As head of the nation, the player has eight years to manage overt and covert actions, insurrections, political deceptions, divisions of troops, and diplomatic relations. During the course of play, each nation's prestige will rise or fall.

Destroyer
Epyx
joystick
39.95

The captain of this Fletcher Class U.S. Naval Destroyer is responsible for the total operation of the ship—radar and sonar readings, depth charges, antiaircraft guns, torpedoes, onboard computer, and repair. The ship must constantly be repaired for all controls to function properly. The captain also has to avoid U-boats, Kamikaze pilots, and Zero fighters. There are seven missions to choose and three levels of difficulty. An instruction manual is included; joystick controlled.



Pilots can compete in 16 different air-race courses, flying around, over, and under their competition in GeeBee Air Rally.

Echelon
Access
44.95

Echelon is a top-secret military facility of the twenty-first century where pilots learn to fly the Lockheed C-104 Tomahawk, a space combat and exploration vehicle. The player is assigned to patrol a new zone and find the solution to several strange events that have occurred there. The game features four weapons systems, a bidirectional teleporter unit, two 3-D screens, infrared graphics, and the LipStik, a voice-activated control headset to give commands to the spacecraft.

Flight Simulator II
SubLogic
512K; joystick is optional
49.95

Players can fly either a Cessna 182 or a Gates LearJet in the Amiga version of *Flight Simulator II*. There are over 130 airports in five different scenery areas, and the multiwindow view allows three external views of the plane. With the multiplayer option, two or more fliers can connect their machines by modem and fly together through the same airspace.

Gato
Spectrum HoloByte
49.95

Players are in the captain's seat of a World War II "Gato" class submarine. Wartime mission assignments are beeped out in Morse code and translated into text on the console while approaching objects are viewed three-dimensionally. Players have control of depth, speed, periscope, radar, torpedoes, and other submarine functions. The records of enemy vessels sunk and missions completed are kept in the captain's log, which can be saved for future games. The enemy is programmed to think strategically and to avoid being sunk.

GeeBee Air Rally
Activision
39.95

An arcade-style racing game that features over 250 levels of difficulty, *GeeBee Air Rally* offers players the choice of 16 different air-race courses with three-dimensional scrolling graphics. Players must fly over, under, and around the competition. Flying too close may cause a collision, forcing the pilot to bail out.

Gunship
MicroProse
49.95

Players take control of an AH-64 Apache helicopter to carry out seven rescue, search and destroy, and covert missions. The Apache is loaded with 11 guided missiles, four guns, Hellfire laser missiles, a zoom-TV gunsight, and the integrated helmet targeting system (IHTS). The missions take place around the world from Southeast Asia to Central America. This flight simulation program uses 3-D graphics and a joystick flying system and varies in difficulty from training to expert levels.

Scenery Disk #7
SubLogic
flight simulation software
24.95

One in a series of disks that provide additional scenery and flying environment when used with *Flight Simulator, Flight Simulator II, Jet,* or other SubLogic flight simulators. This disk includes airports, radio-nav aids, cities,

highways, rivers, and lakes, and covers parts of the east coast—Washington D.C., Charlotte, Jacksonville, and Miami. This disk can be used for both visual flight and VFR or IFR cross-country flight.

Scenery Disk #11

SubLogic
flight simulation software
24.95

One in a series of disks that provide additional scenery and flying environment when used with *Flight Simulator, Flight Simulator II, Jet,* and other flight simulation programs. This disk includes airports, radio-nav aids, cities, highways, rivers, lakes, and a hot-air balloon for the Central Great Lakes area. There are views of Detroit, Pittsburgh, and Niagara Falls.

Silent Service

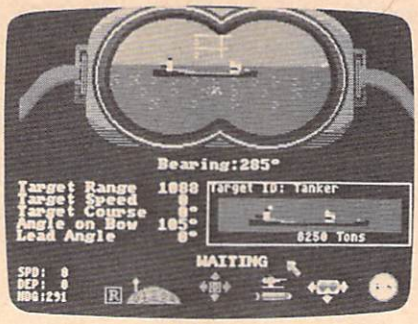
Microprose
39.95

The player commands a WWII submarine in the South Pacific in this submarine simulation that includes five different battle station screens and a map of the South Pacific. There are six historical missions requiring surface attacks with the five-inch guns, careful tracking, and hitting enemy troopships with torpedoes. To survive, the player must also avoid depth charges, destroyer detection, and shallow water. Graphics include the bridge, conning tower, torpedo room, and periscope. More than 32 colors are used to depict sunsets, burning ships, oil slicks, and battle stations as seen from the submarine. Digitized sounds represent actual submarine and sonar sounds. Onscreen icons are used for game control. Skill levels range from gunnery to patrolling the Pacific.

Sub Battle Simulator

Epyx
39.95

As commander of a WWII submarine, the player can choose from 24 American and 36 German missions, including seek and destroy, rendezvous, lifeguarding, and patrol. There are six classes of U.S. Navy submarines and



In Silent Service *from Microprose, the player commands a WWII submarine, torpedoing enemy ships and avoiding depth charges.*

German Kreigsmarien U-Boats, each individually outfitted with equipment characteristic of the 1939–1945 era. The missions are based on historical data, and there are three modes of command: target practice, single mission in a combat setting, and wartime command for the duration of the war. Weapons include antiaircraft guns, torpedoes, mines, and deck guns. The player also has to be on the lookout for destroyers, depth charges, aircraft, and inclement weather. A manual and quick-reference command card are included.

Super Huey

Cosmi Corporation
19.95

This helicopter flight simulator takes advantage of the graphic and sound capabilities of the Amiga. Players can choose from four scenarios. In Solo Flight, players are trained in flight techniques and become familiar with the helicopter's instruments. The Rescue mission requires players to find and pick up stranded military personnel. The Explore mission provides players with the opportunity to fly unexplored territory and map the terrain. In the Combat mission, players defend a secret desert installation from unknown hostile forces. The helicopter is equipped with rockets and machine guns.

Test Drive

Accolade
44.95

In this driving-simulation game, players can test drive a variety of high-performance cars, including the Farrari Testarossa, Lamborghini Countach, Lotus Esprit Turbo, and Porsche 911 Turbo. The interior of the car and road are displayed as seen by a driver. The player must drive a section of highway within a certain time frame. Obstacles include traffic, falling rocks, and patrolmen.

WAR GAMES

Blitzkrieg

Command Simulations
512K
52.95

A WWII-battle strategy game, this program recreates the Battle of the Bulge between the British and American forces and the Germans. The player must choose when and where to place troops, artillery, tanks, and other defenses. The game is mouse-controlled.

Breach

Omnitrend Software
39.95

This one-player tactical-squad combat game includes intelligent opponents, multilevel combat areas, many pieces of equipment, and several combat scenarios. A scenario builder allows players to design their own battle campaigns.

Dive Bomber

U.S. Gold
39.95
Epyx

Players are put into the pilot's seat of a World War II torpedo bomber where they must fly missions against Germany. Based on the aircraft carrier HMS *Ark Royal,* the torpedo bomber must carry out a mission to sink the German battleship, *Bismark.* Players must take off and land on the carrier, fight enemy combat aircraft, battle U-Boats, and dive bomb E-Boats and mine fields.

The Hunt For Red October
Datasoft/Intellicreations
49.95

Players assume the role of a Soviet submarine captain First Rank, who wants to defect to the United States and turn over his Red October submarine in the process. The captain must not let his 113-man crew become aware of his plan. He must also keep the secret from the Russians and defect to the U.S. at the best possible time. The game begins off the coast of Iceland where the player will encounter Russian, U.S., and NATO forces. The player has all of the sub's weaponry and special features at his disposal. The longer the mission, the greater the chance of Soviet detection, and the Soviets have been instructed to destroy the sub should a defection be found out. The game's options are icon-driven and a mouse or a joystick can be used to issue orders.

Into the Eagle's Nest
Mindscape
39.95

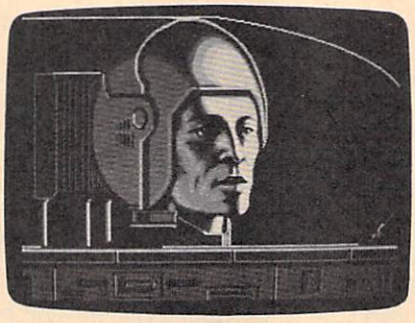
The goal is to rescue three Allied saboteurs from a Nazi fortress, salvage the great art treasures of Europe from the Nazis, and destroy the fortress. There are four missions, which take place on four floors connected by elevators. The view of the game is from the top looking down. The arcade-style game features four-way scrolling animation, graphics, and sound.

Kampfgruppe
Strategic Simulations Inc.
512K
59.95

This WWII game takes place on the Eastern Front of 1941–1945. The player commands either the German or Russian forces and their respective arsenals of tanks, tank destroyers, self-propelled artillery, assault guns, mortars, and flame-throwers. The headquarters-control option determines how fast a unit will respond to orders, and the computer calculates damage and combat down to the individual weapons and soldiers. There are four historical scenarios, or scenarios can be created. For one to two players.

Ogre
Origin Systems
39.95

In this war-strategy game, a Cybertank, the Ogre, battles against heavy tanks, missile tanks, Howitzers, and the infantry in a fight to the death. The Ogre is armed with missiles, main cannons, minor cannons, and antipersonnel guns. For one to two players.



The player must defend the U.S. against Soviet attack and battle KGB rocket fighters in S.D.I.

S.D.I.
Cinemaware
49.95

Two young lovers—a general with the U.S.'s Strategic Defense Initiative and a Russian commander—are the only ones who can protect the human race from destruction. As the general, the player must defend the U.S. against a sneak KGB missile attack and battle KGB rocket fighters in a 3-D flight simulator.

The Serayachi Campaign
Omnitrend Software
Breach
24.95

This combat scenario disk works with the *Breach* combat game. The disk contains 16 additional battle scenarios.

TeleWar
Software Terminal
512K, modem
39.95

Two players at separate locations can play war games by connecting their computers via a modem and this telegame program. The program accepts baud rates from 300 to 9600 bps, and a file folder option can store each opponent's name, phone number, and baud rate for easy access. The game features three super-bit maps and 12 scenarios of battlefields, digitized sound effects, and color graphics. Each player must position his or her artillery, vehicles, and other weapons while defending against the other player's offensive moves. The object of the game is to capture the opponent's headquarters. The save-game option allows players to stop the game and resume at a later date. Players can also "chat" while they are making their moves. With the no-modem setting, two players can play on the same computer without using modems. Additional map disks are available.

SPORTS GAMES

California Games
Epyx
39.95

Up to eight players can take part in this survey of California-style recreation. Games include surfing, throwing flying discs, skateboarding, rollerskating, and riding BMX bicycles.

Championship Baseball
Activision
39.95

In this baseball simulation the user controls the action—hitting, pitching, catching, running the bases, and sliding. Split-screen graphics allow players to view the plate and the whole field at the same time. The game offers a four-division, 24-team league.

Championship Golf:The Great Courses of the World, Vol. 1

Gamestar
39.95
Activision

In this first volume of *The Great Courses of the World*, the player can tee off at Pebble Beach. The program recreates that famous golf course, including distances, par, and sand traps.

Earl Weaver Baseball

Electronic Arts
49.95

Earl Weaver and Eddie Dombrower coauthored this baseball simulation that allows users to experience many aspects of the game, from playing ball to building a stadium. The arcade-like play mode uses hi-res graphics and sound to pit two teams against each other, including some of the all-star teams from 1901 to 1975. Users can also take the role of manager, consulting with Earl Weaver to set lineups, trade and draft team members, or relieve pitchers. Managers can also build their own all-star teams and keep the statistics using the built-in compiler; there are 90 statistical measurements. Game players can play one of the 26 major league parks or design their own ballpark. Instant replay (in three speeds), slow motion, and freeze frame are added to simulate actual TV coverage. The Amiga version features digitized sounds such as the crack of the bat, the roar of the crowd, the announcer's voice, and the umpire's calls.

Earl Weaver Baseball Data Disk

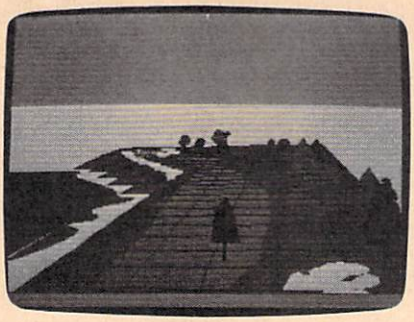
Electronic Arts
Earl Weaver Baseball
12.95

This data disk contains all the names, statistics, and ratings to recreate the 1986 major league teams. The disk is designed to be used with *Earl Weaver Baseball*.

Famous Course Disk Vol. II

Accolade
Mean 18

This disk offers three additional golf courses that can be played using *Mean 18*. Turnberrry, Scotland; Inverness Club, Ohio; and Harbour Town, South Carolina are all included on the disk.



Each hole of the Pebble Beach Golf Course is re-created in Championship Golf: Volume 1 *from Activision.*

Ferrari Formula One Grand Prix Racing Simulation

Electronic Arts
49.95

Car buffs can race their own Ferrari F1/86 on the international Grand Prix circuit, competing against seven of the world's best drivers on 16 racetracks. Between races, the driver can test and fine-tune the car in the dyno room, wind tunnel, or on the Fiorano test track. Plus, there are practice, warm-up, and qualifying heats. This simulator includes a first-person view of the cockpit with oil pressure, water temp, and fuel gauges; turbo boost control; moving stick shift, steering wheel, and mirrors; understeer, oversteer, cornering, and straightaway speeds. In the garage, the player supervises all engine and suspension work.

GBA Championship Basketball Two-on-Two

Gamestar
44.95
Activision

Each player can control two men in basketball competition—two against two, one on one, or one or two players against the computer. The teams play in 23-team leagues, and the players are based on real pro-basketball players. There are several practice games, including practice shooting, horse, one-on-one, and around the world. Crowd noises provide background sound effects, and a sample sports page is updated with the results of each game.

GFL Championship Football

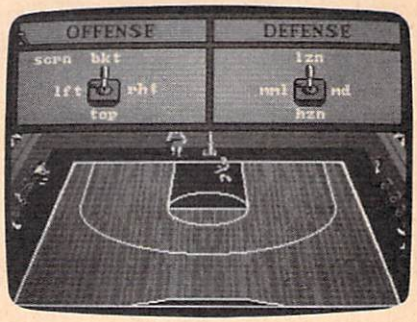
Activision
44.95

This football simulation is played using an on-the-field perspective. The action takes place on the field where the user is actually running plays and taking hits.

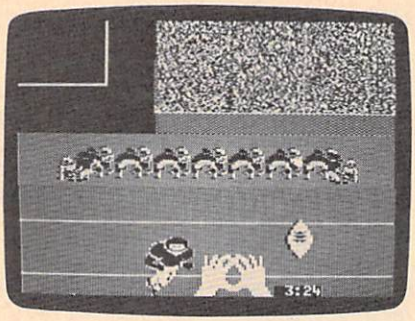
Grand Slam

Infinity Software
512K
49.95

Players can compete in the Big Four of the world Grand Prix tennis circuit in this action sports game. The competition starts on the clay courts of Paris and the French Open, and then moves on to the grass of Wimbledon. After leaving Great Britain, it's on to New York and the U.S. Open, followed by the Australian Open down under. Players choose either a wood, metal, or graphite racquet, with corresponding stringing tension for different levels of play. Each opponent has unique playing styles and characteristics. Players can even confront the umpire to protest questionable line calls. The game provides players with a championship draw to chart progress in Grand Slam events. Other features include digitized sound and 3-D graphics.



Basketball team members are based on actual pro players in GBA Championship Basketball Two-on-Two *from Activision.*



Players get an on-the-field perspective of pro-football action in Activision's GFL Championship Football.

Gridiron
Bethesda Softworks
59.95
Electronic Arts

Players take the part of the football coach—calling plays, sending in replacements, checking out the defense, and controlling the ball carrier. There's a playbook with 40 preprogrammed plays, or gamers can create their own plays. Using the player-draft option, each player's speed and strength can be set. Digitized sounds include crowds, the ref's whistle, the quarterback's calls, and action at the scrimmage line. There are five levels of play for one or two players.

Hardball
Accolade
44.95

A baseball simulation, *Hardball* offers a 3-D perspective of each field angle. Different screens provide the strategy selections for the managers. There are six pitches that can be thrown by left- or right-handed pitchers, and players appear in large-sized graphics.

Head Coach
MicroSearch
49.95

Players assume the role of head coach in this pro-football simulation strategy game. Players choose the strategy, call the play, and then watch it unfold on the field. The success of the play is determined by the probability of the play working against the defensive formation. The yardage gained or lost is based on statistical results from a professional football game. Other features include instant replay with slow motion, and the option to create a team complete with player names, jersey colors, and playbooks.

Indoor Sports
Mindscape
49.95

This sports package contains four different indoor games to play—air hockey, ping pong, bowling, and darts. Players can compete against each other or the computer. The program includes 3-D graphics and animation.

Leader Board
Access
joystick
39.95

One to four players can simulate an actual game of golf on one of these 18-hole courses. Players choose their clubs, distance, and type of shot. There are three levels of difficulty, and the computer calculates the handicaps and scores.

Mean 18
Accolade
49.95

One to four players can play famous golf courses such as Pebble Beach, St. Andrews, and Augusta with this golf game. The courses include a driving range and putting green. Using the Golf Course Architect Set, players can even design their own courses, complete with sand traps, water hazards, and trees. Players can compete against other computer golfers in online tournaments by using *Mean 18* on the Computer Sports Network. Additional course disks are also available.

Tournament Disks
Access
Leader Board
19.95

Additional course disks are available for use with *Leader Board*. Each disk contains four Access-designed courses and costs $19.95.

Air hockey is just one of the games that can be played with Mindscape's Indoor Sports.

Winter Games
Epyx
39.95

This game lets players take part in seven of the Winter Olympic games, including figure skating, bobsledding, and the biathlon. The game includes the opening ceremonies and national anthems. For one to eight players.

World Games
Epyx
39.95

Players take the part of athletes representing 18 countries as they compete in some not-so-common athletic events. There's cliff diving in Mexico, Sumo wrestling in Japan, weightlifting in Russia, bull riding, barrel jumping, log rolling, the caber toss, and giant slalom. A history and travelogue is included as well as seven options of practice and competition. For one to eight players.

World Tour Golf
Electronic Arts
39.95

This version of *World Tour Golf* is designed to take advantage of the Amiga's graphics capabilities. Players can choose from over 20 well-known golf courses, or they have the option to design their own course with the golf course construction set. Up to four human or computer opponents can play, or the player can model a golfer after his or her favorite pro. A split screen allows players to see the overhead and golfer's-eye view simultaneously. Weather conditions can also effect the action.

BOARD GAMES & GAMES OF LOGIC

Bridge 5.0
Artworx
34.95

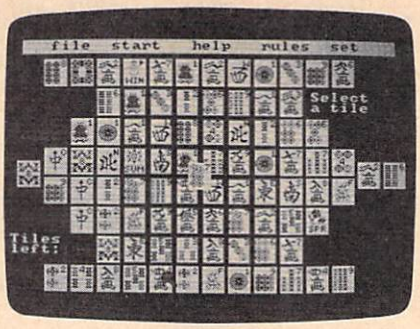
One person can play a complete game of contact bridge—from bidding to playing the hand—with this game. The human plays with the computer against two computer opponents. The program is based on the Stayman and Blackwood conventions, and can review each bid, keep score, and inform the user of any illegal moves. Hands can be replayed or stored. For ages 15 and up.

The Chessmaster 2000
Software Toolworks
44.95
Electronic Arts

This complete chess program helps teach strategies of the game and plays chess, as well. It features a teach mode in which the program shows all possible legal moves, a hint mode to suggest possible moves, two-player mode in which the computer referees, and a watch-the-computer-think mode. *Chessmaster 2000* allows users to replay a game while the program analyzes the moves, or the computer can play itself while the user watches. There are over 71,000 moves, an onscreen chess clock, 12 levels of play, and both joystick and mouse control. The chess board is displayed in three dimensions. The package includes a library of classic games, a tutorial booklet, and discount membership in the U.S. Chess Federation.

GO for the Amiga
Infinity Software
512K
39.95

GO for the Amiga is based on a strategy game invented in China 4000 years ago. Players can vary conditions to set up different problems and scenarios to make the game ever changing. With up to 361 positions on the board, the patterns and possibilities are nearly infinite. Scenarios and games can be saved and then fully annotated, documented, and replayed. Users can choose from five different modes of play.



Shanghai *is based on the ancient Chinese game, Mah Jongg.*

Shanghai
Activision
35.95

This game is based on the original game played by the Chinese, Mah Jongg. Colored tiles are stacked on each other and must be matched and removed according to the characters painted on each piece. There are solitaire and multiple-player options.

Solitaire Royale
Spectrum HoloByte
512K, 256K
34.95

Eight solitaire card games are included in this package—Pyramid, Golf, Corners, Reno, Klondike, 3 Shuffles & A Draw, Canfield, and Calculation. Players can choose from 10 different card backs and five card faces. The computer deals the cards randomly unless the player chooses otherwise. With the tour feature, players play all eight games in succession. Players can also compete in a tournament in which each player receives the same shuffle and the scores for the top five deals are totaled. Individual games or tour can be played in the tournament. Games may be saved to disk. Three games for children are also included.

Telegames
Software Terminal
512K, modem
34.95

Two players can connect their computers via a modem and this program to play backgammon, checkers, or chess. The game boards appear on the screen in 2-D or 3-D display, and digitized sound effects accompany the play. During play, challengers can also send and receive messages through the chat line. The program has a save-game option so a game may be saved and then resumed at a later date. The file folder feature lets users record other players' names, phone numbers, and baud rates for future access. *TeleGames* can handle baud rates from 300 to 9600 bps, and the game will not disconnect until instructed to do so. With the no-modem setting, two players can play on the same computer in the conventional manner.

Uncle D's ConSOUNDtration
AlohaFonts
minimum of 512K
39.95

Children ages 4 and up can improve their memory skills while they play this game of concentration. There are four levels of difficulty covering three main categories—ABC's, numbers, and pictures. The player chooses a box on one side of the screen and the digitized sound pronounces the letter, number, or picture in the box. The child then must choose the corresponding letter, number, or picture in a box on the other side of the screen. One or two students can play the game, and reading skills are not necessary. Additional data disks are available.

Uncle D's ConSOUNDtration Data Disks
AlohaFonts
Uncle D's ConSOUNDtration
24.95 ea

Four data disks are available to use with *Uncle D's ConSOUNDtration*. Disk 1 contains additional pictures and sounds to use with the master program plus maps of the 50 states and signs, such as STOP and YIELD. Disks 2, 3, and 4 offer additional ABC, number, and picture games. Disk 2 is in Spanish, Disk 3 is in French, and Disk 4 is in German. Each disk is available for $24.95.

WordPlex
PAR Software
512K
34.95

One to six players can take turns spinning a wheel and guessing the missing letters to complete trivia phrases. Three scored rounds make up each game. Over 300 phrases in nine categories are provided, or customized phrase lists can be added. Additional data disks are available.

WordPlex Data Disk, Volume 1
PAR Software
512K, WordPlex
24.95

This package contains three data disks to use with *WordPlex*. The disks contain over 1000 trivia phrases covering the Bible, America, and nature.

GAMBLING & LOTTERY PROGRAMS

Black Jack Academy
Microillusions
39.95
Activision

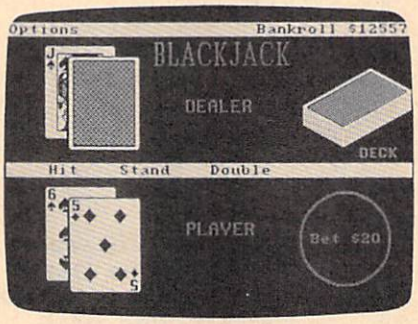
This game is designed to teach both novices and experienced players Blackjack. Up to five players can compete using table rules from Las Vegas, Reno, and Atlantic City, or the user's own specific table rules. Online help is available for different play options, including the optimal play for the current hand. Features include color selectability, game save and retrieve, and different play strategies.

Vegas Craps
California Dreams
39.95
Logical Design Works, Inc.

Players can place their bets and roll the dice in this recreation of Las Vegas-style craps. The program helps players learn the rules of the game. The bets, odds, and payoffs are the same as in Las Vegas.

Vegas Gambler
California Dreams
39.95
Logical Design Works, Inc.

This package for at-home gamblers includes Slot Machine, Blackjack, Poker, and Roulette. Each game features color graphics and sound, including the clink of money falling out of the machines. The games use the same bets, rules, and payoffs as in Las Vegas.



The computer is the dealer in a game of Blackjack, one of the four casino games in Video Vegas.

Video Vegas
Baudville
34.95

Video Vegas is a four-games-in-one package that simulates casino games in Las Vegas. The games include Blackjack, Draw Poker, Slot Machine, and Keno. The Blackjack game includes a card-counting feature.

SPECIALIZED GAMES

Adventure Construction Set
Electronic Arts
19.95

Adventure enthusiasts can create their own adventure games with the *Adventure Construction Set*. This program contains seven tutorial adventures and one complete adventure. Original adventures with up to 240 rooms and 7500 props can be created by choosing from a variety of title screens, magic effects, creatures, maps, and 30 different musical themes and sounds. There's also a finish option that allows the program to finish designing an adventure according to the theme—science fiction, spy/mystery, or fantasy.

Golden Oldies, Volume 1
Software Toolworks
19.95
Electronic Arts

Four games in their original version are collected in this package. *Adventure* is a dungeons-and-dragons-type adventure game where the player searches the Colossal Cave for treasures while avoiding peril. With *Eliza*, the user confers with the program as if he or she were talking with a psychiatrist. The user enters statements and *Eliza* responds with questions and ideas. *Pong* is a ping-pong game based on the video game of the same name. There is also an alternate version that takes advantage of some of the modifications in personal computers. *Life* is a representation of a universe with its own elements and physical laws in which the player creates colonies that live, grow, and die.

Q-Ball
Mindscape
29.95

Q-Ball is a three-dimensional pool game played in a cube. The game space can be rotated in realtime while the player shoots, and the player can adjust the spin, friction, and power of the shot. The table has eight pockets but no gravity. There are 262,144 different viewing angles. For one or two players.

Racter
Inrac Corporation
44.95
Mindscape

Users can carry on conversations on a variety of subjects with Racter, the personality in this program.

AMIGA SURVEY
TELL US ABOUT YOURSELF

We'd like to know about you. What are your tastes and preferences? What attracted you to Amiga, and this *Buyer's Guide?* The more we know, the better our publications are able to meet your needs.

Please take a moment to complete this survey and mail it to us (a photocopy would be fine). If you wish, add additional comments on another sheet of paper.

How old are you? _____

Which Amiga do you own?

- ☐ Amiga 500
- ☐ Amiga 1000
- ☐ Amiga 2000
- ☐ Don't own one yet

What other computers do you own? _____

How much is your hardware worth? _____

Your software? _____

Do you plan to buy another computer within the next year?

- ☐ Yes
- ☐ No

If yes, which computer do you plan to buy? _____

What peripherals do you own?

- ☐ Dot-matrix printer
- ☐ Letter-quality printer
- ☐ Laser printer
- ☐ Modem
- ☐ Memory expansion
- ☐ Hard drive
- ☐ Genlock/Video interface

What types of software have you purchased in the past year?

- ☐ Word processor
- ☐ Paint program
- ☐ Telecommunications
- ☐ Games
- ☐ Music
- ☐ Desktop video
- ☐ Business applications
- ☐ Utility

Other _____

How much do you spend on software each month?

Which computer magazines do you purchase regularly?

Which Amiga publications do you read regularly?

What types of Amiga coverage do you most appreciate? Check the four most important to you:

- ☐ Feature articles
- ☐ How-to articles
- ☐ Programming explanations and tutorials
- ☐ Business articles
- ☐ Hardware modifications and projects
- ☐ Sound and music articles
- ☐ New products
- ☐ Product reviews
- ☐ Buyer's guides

Do you buy computer-oriented books?

How could this *Buyer's Guide* be improved? _____

Additional comments _____

Compieted surveys should be sent to

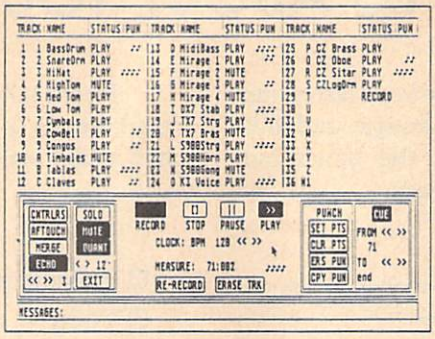
COMPUTE! Amiga Survey
P.O. Box 5406
Greensboro, NC 27403

MUSIC COMPOSITION

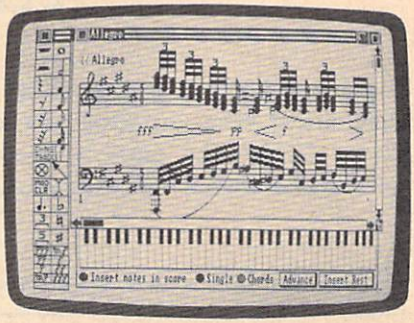
Amiga Keyboard Controlled Sequencer V1.6

Dr.T's Music Software
249.00

Dr. T's *KCS* features three modes of operation—track mode, open mode, and song mode—and each has its own related edit screen. Up to 16 separate songs and individual sequences or a group of tracks can be loaded. Editing functions include cut, copy, and paste, a realtime live edit option, and full editing of all MIDI parameters. A song can be cued or played from any point in that song, and the user can move to any measure in a song from play, record, or edit. The program features realtime quantize and post-quantize as well as a built-in variations generator.



Parameters for recording music can be set and changed in the track mode of Dr. T's Amiga Keyboard Controlled Sequencer V1.6.



Musical compositions can be written, entered, edited, and played with Electronic Arts' Deluxe Music Construction Set.

AudioMaster

Aegis Development, Inc.
digital sound sampling hardware
59.95

Using this digital sound sampling and editing program, composers can manipulate digitally sampled sounds, mix the sounds, alter waveforms, and save the sounds as instruments to use in other music programs. The program accepts sounds from a microphone, CD-player, or cassette tape, and uses a built-in oscillator to check the sound wave for distortion. Waveforms are displayed on the screen and can be modified using echo, reverse, or filtering, or by adjusting the volume, pitch, and numeric sample rate. The pitches and octave of any sound can be changed, and sound samples can be saved in one-, three-, or five-octave formats. The pitch of any instrument can be digitized and then retuned. The program loads and saves in either IFF or RFF formats.

Caged Artist Editor/Librarians

Dr. T's Music Software
149.00 each

Five editor/librarians created by Bob Melvin are available for the Amiga: 4-OP Deluxe, ESQ-1 ESQ-apade, Roland D-50, MT-32, and DX-Heaven. All of these programs are mouse-driven and employ both point-and-click editing and graphic envelope display and editing. Parameters can be changed by clicking on the parameter, holding the left mouse button down, and moving the mouse up or down. Any of 80 notes can be played from any screen by pressing the right mouse button. Undo allows users to reverse the most recent edit while Randomize enables users to select a group of parameters in the patch and have the program change their values. Other features include MIDI merge, solo, and rechannelize.

C-ZAR

Diemer Development
MIDI interface and Casio synthesizer
195.00
Dr. T's Music Software

C-ZAR helps owners of an Amiga and a Casio CZ-101 or CZ-1000 keyboard to create music and sound effects. This mouse-controlled editor and librarian can fine tune the Casio's six eight-step envelopes and display the pitch, tone, and loudness envelopes in eight colors on a 1024 x 200 pixel area. The editor includes features such as cut and paste, line copying and detuning, key transposition, pitch bend, vibrato, modulation, portamento, and waveform selection. The librarian can organize and save up to 6000 sounds on a disk and supports disk and RAM cartridge transfers, bank creation, sound naming, and multiple disk directories. The mouse can be used to scroll numeric rate and level readouts up or down and drag segments of an envelope around the screen. The sequence recorder has automatic playback, and the time axis is calibrated from 4 milliseconds to 1000 seconds. The package includes a manual and over 200 preprogrammed instruments and sound effects. It is not copy protected. An Amiga-to-MIDI interface is also available for $55.

Deluxe Music Construction Set

Electronic Arts
99.95

A music development program, the *Construction Set* helps amateur and professional music composers input and edit musical compositions. Music can be entered from the built-in library by playing notes on the program's piano keyboard with the mouse, or by entering the notes on the staff using the note palette. Music can also be entered, edited, and reviewed on the staff in the score window. Other composition features include cut and paste; transposing a score up or down; changing instruments and play styles within the music; volume range; a playback speed of 1 to 240 beats per minute; key and time signatures; staffs and clefs; working space; score width; pitch modifiers; and sound effects, such as staccato, smooth, and vibrato. When the music is played, it appears on the screen in a measure counter as flashing notes, and in the player piano. The program includes an assortment of digitized instruments, such as the flute and electronic bass. The four-voice Amiga sound can be output through the internal speaker, a stereo, or one of the 16 MIDI channels to a MIDI instrument. It can also be used with a compatible sequencer software—Mimetic's Pro MIDI Studio—and high-end MIDI equipment like drum

machines and synthesizers. Lyrics can be added to the music in a variety of font sizes and styles, and the *Construction Set* adjusts the output for specific printers. The manual includes an addendum with a symbols font chart and information on printing sheet music.

Dynamic Drums

New Wave Software
512K
79.95

The Amiga can be turned into a drum machine with this program. It uses real- or step-time programming and allows graphics editing. The volume and tuning levels are adjustable. Over 100 percussion samples are included, and IFF samples can be imported. The program is MIDI compatible.

Hotlicks

Infinity Software
512K
49.95

Users of this program can create their own compositions or rescore one of the classics. Editing tools allow users to cut and paste single notes or sections of music, transpose sections up and down the scale, and choose from any of 20 instruments at one time. Built-in rhythm guides help users score a waltz, compose a march, or create a rock-'n'-roll song. Original rhythm guides can also be created and stored on disk. Users can develop a list of selections on the program's Jukebox to be played back. The Jam mode allows users to play along with their favorite song. The program uses 8SVX instruments and SMUS scores so that compositions can be played with just about any Amiga music application.

Instant Music

Electronic Arts
mouse or joystick optional
49.95

Red, green, and blue color bars are used to represent pitch and duration so that even nonmusicians can create original music with this program. Three instruments, including guitar, bass, drums, piano, and sax, can be played at one time, and music can be output to MIDI. Editing features include cut, copy, paste, zoom, volume, and tempo for songs up to 32 measures long. New instrument sounds can be created using the synthesizer feature, and MIDI users can add a drum machine to the piece. A library of over 40 songs is also on the disk. MIDI instruments are not included.

MIDI Recording Studio V1.1

Dr. T's Music Software
49.00

This program is designed for users who are just getting started in MIDI. It features a simplified Track Mode from the *Keyboard Controlled Sequencer*. Eight tracks are provided, plus many of the edit features. The program has cue-recording and range-highlight editing options. Files created by the *MRS* can be read by the *KCS*.

The Music Studio 2.0

Activision
79.95

Professionals and amateurs can use this program to create their own musical compositions. The editor lets users change tempo, duration, and volume. New instruments and sound effects can be created by modifying the attack, sustain, release, and decay features. The paintbox provides a place for experimenting with new sounds or melodies, and the piece can then be copied into the editor. The music can be printed in sheet-music form, and the program can be used with electronic keyboards. Compositions can be created and sound output using MIDI instruments. Four voices can be played simultaneously, and 15 instruments can be used in one song. Up to three verses can be added to a song, and a library of original compositions is included. Version 2.0 also allows users to merge songs or automatically play multiple songs with the Jukebox feature. The new Amiga version supports direct MIDI input for rapid placement of notes and chords, and incorporates new digitized sounds.

Music X

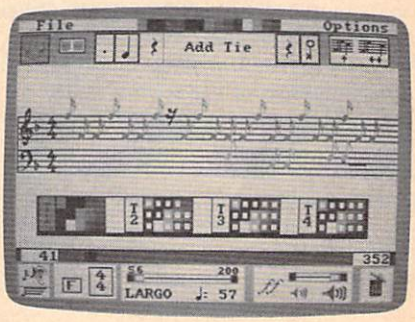
Microillusions
299.95
Activision

Music X is a MIDI-based music system featuring keyboard mapping that can be controlled from a MIDI keyboard, footpedal, or other MIDI devices. The system supports realtime recording of systems-exclusive data as well as full graphic-oriented and event-oriented editing of sequences. Other features include a configurable librarian, a patch editor, a sequence editor, MIDI filtering, and a high-resolution clock.

Snip

Digital Dynamics
500.00

Designed for the scientific and technological markets, this program is an object-oriented signal-processing program. It can be used to analyze signals from a variety of sources, and it uses 32-bit floating-point numbers; a 68881 version is provided on the demonstration disk. Up to 20 graphs can be displayed on the screen at one time, in up to 20 separate windows. The screen can display 1.5 million points at one time. Any portion of a sound graph can be highlighted and analyzed separately. *Snip* can also be used with *Perfect Sound* from Sunrize Industries.



Color graphics, an editor, and a musical paintbox aid users in composing, editing, and playing music with The Music Studio 2.0 *from Activision.*

Sonix

Aegis
512K RAM, 2 disk drives, color monitor, Kickstart 1.2
79.95

Composers can create their own musical arrangements and play them back through an external stereo or the Amiga's built-in MIDI controller. An editor displays each note on the screen as it is entered, and compositions can be modified using cut, copy, paste, clear, repeat, octave up, semitone down, and other editing tools. Sounds in the program include percussion, brass, winds, strings, keyboards, and synths, and other instruments can be created using the instrument editing system. The program supports a wide range of times and keys. Input is accepted from the mouse or keyboard, and the keyboard can be either standard or QWERTY. Up to 16 MIDI devices can be used with the program.

Studio Magic

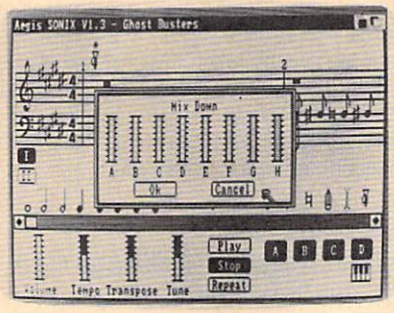
SunRize Industries
Input Device
99.95

This music and sound workshop can accept sounds from a stereo, VCR, or microphone with a *Perfect Sound* interface, or a keyboard with MIDI interface. Users can create flanges, delays, echoes, backward masking, compression, and expansion to speed up or slow down without pitch change. Other features include comb filter, DC bias, AM, fast fourier transforms, and visual representations of the sounds in the buffer. Menu-driven tools allow users to change voice sounds. The program supports advanced MIDI features such as tempo adjust and external sync. It can also store sounds in IFF instrument or one-shot (8SVX) files for use with other compatible programs.

Synthia

The Other Guys
99.99

Synthia creates digital IFF Instruments to use with any music program that supports IFF sounds. The program can also modify existing IFF instruments with modules such as filter, amplifier, amplitude modulation, reverb, flang,



The editor in Aegis Development's Sonix *can be used to change volume, tempo, transpositions, keys, octaves, and semitones in musical pieces.*

and waveshaping. Other features include additive synthesis, plucked string synthesis, interpolative synthesis, percussion, subtractive synthesis, special effects, and an IFF music player.

Texture Vol. 2.4

Magnetic Music
199.95

Users can point and click on specific parts of the screen to invoke commands and toggle-switch settings on this MIDI software system. The system features a true multitasking environment, realtime interactions, and sync options. Ninety-six patterns of arbitrary length up to 545 beats are available as are 99 links for songs. An Undo function allows users to take back the last data-changing action. Other features include editing and MIDI data-massaging capabilities, and a buffer command.

DIGITIZERS

Future Sound

Applied Visions
external audio source
175.00

This hardware and software package can accept sound signals from external sources, such as a stereo system, and then digitize, edit, and save the sounds. Editing functions include cut, copy, and mixing from one track to another. The editing sequences are displayed on the screen. Up to four sounds or tracks can be stored in memory at one time. The hardware supports two separate amplifiers and volume control.

Perfect Sound

Sunrize Industries
89.95

A digital sound-sampling device, *Perfect Sound* can be used to record any sound in mono or stereo, edit the sound, create IFF instruments, or modify the speeds. Editing includes delete, insert, graph, and flip commands. The program contains C source code and a library of recorded sounds. The hardware connects to the parallel port of the Amiga.

SoundScape Sound Sampler

Mimetics Corporation
External audio source
99.95

An audio digitizer, the *Sound Sampler* can handle file formats larger than standard IFF files. It supports multisamples in each octave, and the samples can be edited. Loop lengths of the sound signals can also be adjusted. The waveforms are graphically displayed on the screen. The hardware, which is included, plugs into the second mouse-port of the Amiga.

COLLECTIONS

Hot & Cool Jazz

Electronic Arts
Instant Music, DeluxeVideo, or Deluxe Music Construction Set
29.95

This music-library disk contains over 40 jazz songs, from ragtime to fusion, covering a period from 1900 to the present. It can be used to create multiple-track scores or just listened to for pleasure. Instrument sounds include jazz drumkit, comp piano, banjo, brushkit, solo harmonica, high piano, chord piano, jazz sax, chord harmonica, trombone, violin, and low piano. The disk collection can be used with *Instant Music, DeluxeVideo,* or the *Deluxe Music Construction Set.* The accompanying 30-page manual contains a history of jazz, tutorials, a list of 50 recommended jazz records, and a glossary of musical terms.

It's Only Rock 'N Roll

Electronic Arts
Instant Music
29.95

People with no musical experience can use this disk library with *Instant Music* to listen to 40 rock songs or create new songs with the cut, copy, and paste features. There are eight categories of songs—Memphis, 1956, rhythm and blues; Philadelphia, 1959, pop and early 1960s beat; Detroit, 1962, Motown sound; Chicago, 1965, rock blues; San Francisco, 1968, acid rock; Los Angeles, 1971, heavy metal; London, 1974, progressive rock; and New York, 1977, new wave. Instrument sounds include a range of guitars, synthesizers, and keyboards, and trumpet, rocksax, and fiddle. The package also contains a manual.

Symphony Songs

Speech Systems
music composition program
24.95 ea

Speech Systems publishes over 27 volumes of music collections, ranging from the Beetles, TV themes, and Kenny Rogers to church music, Christmas music, and classical arrangements. Each song is in IFF format so it can be loaded, played, printed, transposed, and edited using a music composition program. A list of all the songs available can be purchased for $3.95. Each volume costs $24.95.

EDUCATION

Music Student I

Associated Computer Services
59.95

This program provides drill and review exercises in music theory concepts. One disk contains 178 lessons, including lessons on intervals, triads, scales, terms, and symbols. Users can choose from eight levels, from beginner to intermediate. *Quiz Master* can be used to personalize this program.

Music Student II

Associated Computer Services
59.95

Over 100 lessons in melody, rhythm, and harmony are included on one disk. The program is designed to drill and review students in ear training. Users can choose from eight levels from beginner to intermediate. *Quiz Master* can be used to personalize this program.

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PAINT PROGRAMS

Aegis Animator
Aegis Development
512K
139.95

Aegis Animator can be used to develop animated sequences for storyboards, cartoons, VCR's, and business presentations. It uses Aegis' *Images* paint program to create color images and pictures, and then uses the tweening concept to add movement. The storyboard feature splits the screen into nine separate animations, which can be cut and pasted together. Other features include clone, to make exact copies of objects; move, to change objects relative to their plane; rotate, to spin or move objects around the *x*- or *y*-axis; and a ghost mode so images can be placed on top of each other. Pictures created by paint programs that support IFF can be used with *Animator*. The *Animator* package includes *Aegis Images*.

Aegis Images
Aegis Development
512K
39.95

Designed for the Amiga, this paint program offers 20 different brushes; 16 patterns; and magnify, supermove, and airbrush options. Pictures can be created in 32 different colors using the drawing tools or freehand. Other drawing utilities include grids; transparency; wash, for a watercolor effect; color cycling; gradient fill and dithering; tile-drawing, for larger patterns; draw under; line-constraining, to specify angles of degree for lines; and pantograph drawing, which allows the user to duplicate images. *Images* is included with *Aegis Animator*.

DeluxePaint II
Electronic Arts
Kickstart 1.2
99.95

DeluxePaint II incorporates a variety of paint tools, including ten built-in brushes, stenciling, four levels of zoom, dotted freehand, continuous freehand, straight line, curve, circle, polygon tools, an overscan mode that eliminates the Amiga borders, over 65 fills, and a palette of 16 colors created from 4096 shades. The brush tool can be flipped, stretched, and rotated, or used like an airbrush. Spaces can be filled with patterns, solid colors, or gradient colors. The fixed background allows the painter to attach a picture to the background so that it will not be removed when overpainted. Using the perspective feature, elements can be rotated in three dimensions around a fixed point to create perspective. A range of colors is cycled through a static image to create the illusion of motion in color cycling; up to four cycles per picture can be stored. Pictures can be sent to selected printers.

Digi-Paint
NewTek
59.95

With *Digi-Paint*, artwork that uses all 4096 colors on the screen at one time, also called hold-and-modify, can be created. This full-featured paint program features blending, tinting, and smooth-shading modes; lasso cut and paste; double, half-size, and mirror reverse; drawing tools; and 4096-color dithered gradient fill and softening modes to create a water-color or oil-painting look. Pictures can be drawn in 320 x 200 or HAM hi-res 320 × 400 resolutions. The program is compatible with IFF graphics and *DigiView*.

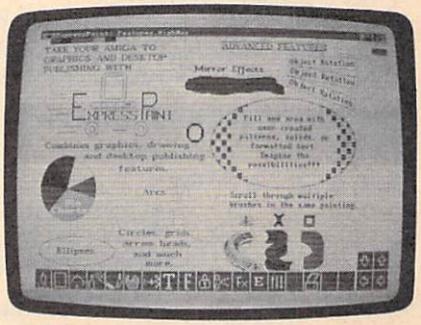
Express Paint
PAR Software, Inc.
512K
99.95

Text can be formatted into shapes so that this paint program may also be used for some desktop publishing. *Express Paint* offers multiple brushes, an unlimited number of fonts, a zoom lens, and an overlay mode to conserve memory. The printer interface allows multiple-page printing up to poster size, and the scrolling canvas permits pictures up to 1024 pixels wide and more than 1000 lines high. Graphics files can be merged into one image. This multitasking program is not copy-protected. There is a 90-day warranty against defects.

Digi-Paint *from NewTek takes advantage of the Amiga's 4096-color palette to create IFF-compatible pictures.*

The Graphics Studio
Accolade
59.95

This paint program and graphics editor can be used to create pictures in 8½ × 11-inch format using a palette of 4096 blended colors and an assortment of patterns. Text in a variety of type sizes and styles can be added to any design. The program features a double-screen-size drawing area, full-screen clipboard, a user-programmable color-cycling tool to produce animated pictures, an 8 × 8-pixel pattern capture, mirror symmetry effects, and user-definable erasers. An image or portion of a drawing can be resized, flipped, or rotated; *x* and *y* coordinates can be displayed; and the palette of colors can be changed. Drawing tools include lines, boxes, ellipses, circles, rays, single-color and pattern fills, zoom with four levels of magnification, and copy and move. Artwork can be saved to disk or printed on compatible printers.



A full-featured paint program, Express Paint *from PAR Software includes multiple brushes, fonts, drawing tools, and object rotation.*

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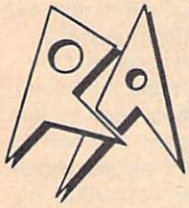

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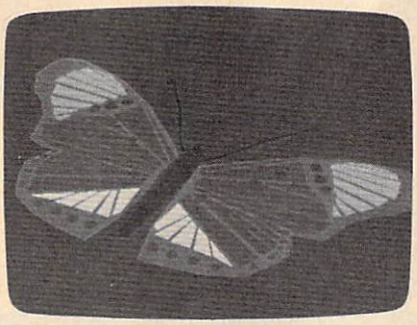
Photon Paint
Microillusions
99.95
Activision

This HAM paint program allows users to display 4,096 colors on screen at one time. Features include the ability to create a fixed background, a stencil mode, and a choice of a square-box brush or a free-shape brush for irregular shapes. An add-mode brush acts as a transparency that allows users to paint smoke, fog, and other special effects.



Three-dimensional color objects such as this butterfly can be drawn and animated with Forms in Flight 1.1 *from Micro Magic.*

DRAWING PROGRAMS

Analytic Art
Crystal Rose Software
59.95

Drawings can be produced mathematically with this program. All four standard Amiga resolution modes and a special mode that allows thousands of shades at once can be used. Features include zoom, spherical maps, 3-D relief, fractals, striping, 3-D stereo pairs, and attractors. The program does not require a floating-point calculation.

Draw Plus
Aegis
512K; 1 megabyte required when using 640 × 400 res.
259.95

Professionals can use this computer-aided design package to create drawings accurate to within 1/1000 inch in either 640 × 200 or 640 × 400 display. The program uses pull-down menus, multiple windows, mouse input, and requestors. Drawing tools include line, arc, ellipse, drag it, rotator, clone, eraser, sizer, color, freehand, and dimension. There are editing commands such as undo, cut, modify, distort, paint, pattern, mirror, and numeric. The drawings can be displayed in zoom, grid on/off, ruler on/off, crosshair on/off, and in a choice of 250 layers. Artists can choose from nine line patterns; four line weights; eight fill patterns; nine grid patterns; horizontal or vertical plot; and English, decimal, or feet units. The program works with most plotters and any printer supported by Amiga preferences.

Dynamic-CAD
Microillusions
Color monitor, second 3½-inch drive
499.95

Designed for professionals and amateurs, this program helps produce mechanical and architectural drafts; pert charts; circuit boards; integrated circuit designs; and piping, electrical, and electronic schematic diagrams. It provides a library of pseudo and architectural symbols, or the user can create custom symbols. Drawing features include automatic printed circuit pads and donuts, free-form drawing, arcs, circles, repeat, move, delete, search, automatic dimensioning, fill, cross hatch, zoom, half- or quarter-size display, repositioning, and isometric drawings on an isometric grid. Picture displays can be viewed as small as 1 percent, and pictures can be saved into IFF format. Schematics can be created from a net or rats list, and a list of parts used in a drawing or library can be printed. *Dynamic-CAD* supports parallel and serial plotters and printers including H.P., Gould, Sweet-P, Houston Instruments, Roland, and Calcomp plotters. Several printer drivers are included. The program accepts both keyboard and mouse input and displays in 640 × 400 line-interlaced mode or 640 × 200 mode. Online help is available, and a manual is included.

Dynamic-CAD 2.3
Microillusions
499.95

Version 2.3 of this CAD program from Microillusions features precision up to .0001 inch, auto dimensioning, schematic auto routing, net listing, parts list reporting, and Gerber photoplotter compatibility. It supports plotters such as Calcomp, Houston Instruments, Roland, and Hewlett Packard, as well as dot-matrix, ink-jet, and laser printers. Other features include full entry and edit functions, multiple resolution and color, and isometric presentation. Users can use *Dynamic Cad* to perform computer-aided design applications like architectural, mechanical, PCB, and schematic design.

Forms in Flight 1.1
Micro Magic
Workbench 1.2 and at least 1 megabyte RAM
79.00

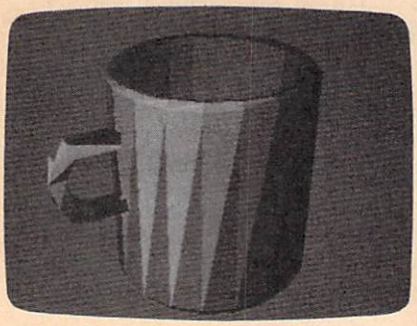
A variety of 3-D objects can be drawn and animated using this program. It contains a realtime player program with PAL and overscan support, and can support some plotters. Drawing tools include copy, mirror, variable shading, magnify, undo, resizing, scaling, rotation, and more. There is also a library of objects such as polygons and spheres.

IntroCAD
Progressive Peripherals & Software
79.95

This CAD program can be used for report illustrations, flow charts, floor plans, time lines, brochures, advertising graphics, and interior design. Standard features include lines, boxes, circles, arcs, adjustable text size, isometric and projection gridding, snap-to grid or drawing, user selectable x and y axes, and pop-up rulers. A user-defined parts library allows parts to be grouped and ungrouped. The program uses Amiga's Intuitive user interface and can support a variety of printers and plotters.

Sculpt 3-D
Byte by Byte
99.95

Solid modeling and ray tracing can be performed on the Amiga with *Sculpt 3-D*. Three windows show the *x*, *y*, and *z* axes of three-dimensional space. Objects appear in a wire-frame mode and can be molded using tools such as spin, extrude, grab, and magnet. The user can modify the color and surface characteristics of the objects as well adjust the position and ambience of light sources. The point of observation and angle of view can be moved as if the viewer is



Solid modeling and ray tracing techniques are used to create images with Sculpt 3-D.

walking around the object. The finished product can be used in any IFF mode including hold and modify and HAM-interlaced. With overscan, the images can be used in video production.

X-CAD Designer

Taurus Software
2 megabytes, two floppy drives or a hard disk
599.95
Haitex Resources

Draftsmen, designers, and engineers can use this professional, two-dimensional design and drafting tool. The system is driven by the mouse and screen menus. Drawing tools include point, line, string, arc, ellipse, spline, and polygonic cross hatch. The program also provides text graphics primitives, user-definable symbol libraries, and autodimensioning with parameters configurable to suit any standard. Text features include user-definable fonts and the ability to create text at any height, width, angle, spacing, justification, or slant. The system supports pen plotters, printers, color thermal transfer, and dot-matrix printers.

CLIPART

AlohaFonts Vol. I

AlohaFonts
desktop publishing software
19.95

This collection of fonts and dingbats can be used with most desktop publishing packages. It includes palm trees, sun, train, borders, backgrounds, fonts for headlines, and more.

Art Gallery I

Unison World
PrintMaster, PrintMaster Plus, The Print Shop
29.95

A graphic supplement to *PrintMaster Plus,* this disk features the signs of the zodiac, major holidays, animals, office items, sports, and background patterns.

Art Gallery II

Unison World
PrintMaster, PrintMaster Plus, The Print Shop
29.95

Art Gallery II features graphic designs, including international flags and symbols, ornamental letters, people, pets, and business art. This disk is a supplement to *PrintMaster Plus.*

Over 300 graphics of people and events in American history are included in Art Gallery: American History.

Art Gallery: American History

Unison World
PrintMaster, PrintMaster Plus, The Print Shop
39.95

Designed for use with *PrintMaster Plus,* this collection of clip art contains over 300 graphics depicting American History. A graphic of every state and president is included.

Art Gallery: Fantasy *contains 140 graphics of dragons, trolls, treasures, weapons, and other fantasy images.*

Art Gallery: Fantasy

Unison World
PrintMaster, PrintMaster Plus, The Print Shop
29.95

A collection of 140 graphics depict sword-and-sorcery images, including Amazons, dragons, trolls, treasures, and weapons. This clip-art package is designed to be used with *PrintMaster Plus.*

Art Pak, Volume 1

Aegis
IFF-file formatted paint program
34.95

Volume 1 includes buildings for use as backdrops and pieces of cell animation to create customized animations. The clip art can be used with Aegis' *Images, Animator, Draw,* and other programs that can read IFF-file formatted paint files.

Art Parts, Volume I

Electronic Arts
DeluxePaint II
29.95

Over 175 color clip-art images of faces, maps, charts, birds, and plants, and fantasy art such as dinosaurs, African landscapes, and alien creatures are contained on this disk. It can be used with *DeluxePaint II, DeluxeVideo,* or *DeluxePrint.* Volume 1 is still available but is being replaced by Volume II.

Art Parts: Volume 2

Electronic Arts
DeluxePaint II, DeluxePrint, or DeluxeVideo
29.95

This collection of clip art contains over 124 images and brushes on a variety of subjects: stars and planets, lettering, street scenes, farm animals, human faces, and more. The images can be modified with *DeluxePaint II*'s tools or added to *DeluxeVideo* for animation and lettering. The clip art is IFF-compatible.

Brush-Works Volume I

Associated Computer Services
paint program
29.95

Business professionals can use the more than 100 color symbols and images in this collection for business presentations. Each image is hand-drawn in all three Amiga resolution modes.

Brush-Works Volume II

Associated Computer Services
desktop publishing package
29.95

Over 500 different borders and text-box combinations are included in this clip-art package. These black-and-white images run in medium resolution. Users can choose from historical, seasonal, architectural, theater, heraldic, caption, landscape, and industrial design themes.

Brush-Works Volume III

Associated Computer Services
desktop publishing
29.95

Twenty-five new Amiga fonts that work in all Amiga resolution modes are included on this disk. The font maker allows users to turn digitized or scanned IFF pictures into font sets. The package is designed to be used in desktop publishing and business presentation graphics.

Brush-Works Volume IV

Associated Computer Services
desktop publishing
29.95

Over 200 pieces of clip art designed for desktop publishing is included in this package. Images can be used in any medium-resolution Amiga graphics package because of full IFF compatibility. Users can choose from several themes, including holidays, seasons, captions, people, and sports.

City Desk Art Companion Volume 1: People and Technology

MicroSearch
City Desk or other desktop publishing software
29.95

Designed to be used with *City Desk* desktop publishing software, this program contains 200 medium-resolution, IFF graphic images of people in various occupations and technological objects such as Amiga computers and weapons.

City Desk Art Companion Vol. 2: Banners, Borders & More

MicroSearch
City Desk or other desktop publishing software
29.95

Designed to be used in conjunction with *City Desk* desktop publishing software, this program consists of 200 high-resolution IFF graphic images, including banners, scrolls, billboards, and silhouettes.

City Desk Art Companion Vol. 3: Brushes and Screens

MicroSearch
City Desk or other desktop publishing software
29.95

Volume 3 of the *City Desk* art disks contains a collection of 200 high-resolution, IFF graphic images of textures and patterns that can be used as background to simulate halftone screens or as fill patterns in clip art.

DeluxePrint Art Disk, Volume II

Electronic Arts
paint program
29.95

Over 180 images are available on this disk for use with *DeluxePrint, DeluxePaint,* or *DeluxeVideo*. Categories include holidays, sports, buildings, people, and vehicles.

Fonts & Borders

Unison World
PrintMaster, PrintMaster Plus
34.95

A companion program to *PrintMaster* and *PrintMaster Plus*, this collection contains 20 different fonts along with 20 choices of borders. The fonts include punctuation, numbers, and upper- and lowercase letters. Borders are available for most holidays and occasions. The package also includes a free upgrade from *PrintMaster* to *PrintMaster Plus*.

Lion's Fonts

Lion's Amiga Art Studio
Desktop Publishing, Paint programs
49.95

This four-disk set contains 150 font sizes and styles that can be used with various desktop publishing and paint programs, as well as other Amiga programs. The fonts range in size from 7 to 160 point. Styles include a disk of newsletter fonts, a disk of large color fonts, and two disks of assorted decorative, headline, and ornamental fonts.

Seasons & Holidays

Electronic Arts
DeluxePaint II, DeluxePrint, or DeluxeVideo
29.95

More than 100 color clip-art images representing holidays, birthdays, weddings, parties, and other special occasions are included on this disk. The clip art can be added to *DeluxePaint II* pictures, *DeluxeVideo* productions, or used with *DeluxePrint* to print cards, stickers, banners, and certificates.

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UTILITIES

Butcher 2.0
Eagle Tree Software
37.00

Butcher 2.0 contains several utilities for manipulating pictures saved in the IFF format. It includes basic functions for converting pictures into different resolutions and formats, and can create special effects from the user's pictures. Features include pull-down menus and 13 custom movable windows. It supports four channel color cycling, printing, video overscan, a spare screen, and pictures larger than the screen. It also includes drawing tools for touching up images without having to load a paint program.

D*Buddy Creativity Set
Digital Creations
512K
79.95

Buddy is a collection of tools to use alone or with graphics programs. Slide Show helps artists create slideshows for presentations. It incorporates dissolves, screen wipes, pauses, and repeating sequences. Freeze Frame can grab a screen and place it in an IFF file while Poster Maker can blow up an IFF picture to poster size up to eight feet wide. Touch Up is a paint accessory to fix paintings and drawings. Print It is a tool to print pictures created with paint programs. Scrap Book, Scissors, and Color Match can be used to combine images and pictures. And the joystick can be used like a mouse with Joy Mouse.

Descartes!
Mindware International
34.95

This IFF-compatible program can help bring mathematical relationships into color. It works with both paint programs and desktop publishing. The program is designed for students, teachers, parents, scientists, engineers, 3-D designers, and animators.

FinePrint
Designlab
dot-matrix printer
49.95

Along with a dot-matrix printer, this program can create graphic printouts with almost-photographic quality. The program uses nearly worn-out ribbons to create shades of gray on paper. Users can adjust a black-and-white palette that defines how much ink to put on the page. Pictures as small as an inch to as large as 100 feet tall can be printed. A dot-matrix printer that uses ribbons and has dot-graphic capabilities is required.

HUGEprint
Hugh's Software Ranch
50.00

Using *HUGEprint*, graphics up to 8½ feet in length can be printed on any graphics printer with an Amiga driver. The program can be used with files created with graphics programs such as *DeluxePaint*, *Digi-View*, and *Digi-Paint*, and with HAM images.

PIXmate
Progressive Peripherals & Software
69.95

Hyper-slice technology and the Amiga blitter chip are used by this image-enhancement program to accelerate the graphics processing speed by a factor of ten. It supports and converts all graphics modes and resolutions, including overscan, HAM 4096-color mode, and extra halfbrite 64-color mode. The program performs over 3000 special effects on any image. It utilizes pull-down menus and mouse-driven operation. The four-color separation and gray scaling processes allow users to prepare artwork for offset printing or lithography.

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Bumper Sticker Maker

Intracorp
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59.95

Users can design and print their own bumper stickers with this program from Intracorp. Personalized messages can be printed on the custom bumper sticker stock supplied with the program.

Business Card Maker

Intracorp
Printer
59.95

Business cards can be designed and printed with this program. Custom card stock is included in the package.

Button and Badge Maker

Intracorp
Printer
59.95

The material for designing and printing buttons and badges is included in this desktop publishing package. Users can add their own messages to the trinkets.

City Desk 1.1

MicroSearch
149.95

Features of this desktop publishing program include auto kerning, auto text flow around graphics, a clip art disk, auto text flow to next page, and a graphics editor. It contains an advanced graphics editor, and the embedded commands allow users to make font and format changes for every letter. The program is compatible with *WordPerfect*, *Scribble!*, Amiga text, and ASCII files. It also supports both *PostScript* and Hewlett-Packard Series II printers or any 24-pin printer.

DeluxePrint II

Electronic Arts
79.95

Home users and small businesses can use this program to create and print color greeting cards, calendars, bumper stickers, posters, menus, wrapping paper, certificates, stickers, name tags, banners, and more. It includes over 100 images and borders; an assortment of type sizes, fonts, and graphics; and 13 tools for working with the fonts, art, and text. The Amiga version supports IFF graphics and artwork from *DeluxePaint II* or *Deluxe Library* disks.

Publishing Partner Professional *from Soft Logik includes a word processor, art program, fonts, and a spell checker.*

PageSetter

Gold Disk Inc.
512K
149.95

A WYSIWYG page composition and layout program, *PageSetter* contains a built-in word processor and a graphics editor. It also accepts text and graphics from other programs such as *TextCraft*, *Scribble!*, *Deluxe Paint*, and *Aegis Images*. This desktop publishing program offers point size capabilities up to 800 pt.; borders, shading, and shadows; rules, grids, column, and margin indicators; measurement in inches or pica; and centering or justification of type to the right or left margin. Multiple-page documents can be printed in a variety of page sizes and formats on any printer in Amiga preferences.

PrintMaster Plus

Unison World
dot-matrix printer
49.95

This graphics program allows users to design and create banners, posters, stationary, cards and calendars with their computer and a dot-matrix printer. Features include a user interface that combines menus with the necessary steps. Users can place the border and text, preview it, change it and add graphics, and preview it again before printing. Users can also edit previously saved designs. Additional graphic-supplement programs are available from Unison World.

Publisher PLUS

Northeast Software Group
99.95
Brown-Wagh Publishing

Northeast Software's desktop publishing package features WYSIWYG text layout, image layout, and scrolling. It provides a variety of Amiga fonts and shade patterns, plus a pattern editor. Word processing features include kerning, microjustification, leading, font scaling, cut, copy, and paste. Multiple text columns can be linked across up to 999 pages. The program supports laser printers using *PostScript* and includes *PostScript* fonts. The program is not copy protected. *Publisher Plus* is an upgrade of *Publisher 1000*.

Publishing Partner Professional

Soft Logik Corporation
512K
199.95

This desktop publishing program features a word processor, an art program, scalable fonts, and a spell checker. Other features include auto text flow around graphics, auto hyphenation, grouping of objects, and the ability to import from most art programs, most word processors, and most scanners. The program has search and replace commands plus six viewing options. It is *Postscript*-compatible and can print with the printer's maximum dot density.

Shakespeare

Infinity Software
225.00

Shakespeare can be used to design reports, pamphlets, presentations, brochures, newsletters, letterhead, business cards, and forms. This color desktop publishing program supports color printers and allows users to manipulate text and graphics in a multitasking environment. Users can mix several full-color *DeluxePaint* graphic images and multiple-color palettes on a single page. The text can be integrated with graphics from other sources. The program allows users to print on *Postscript* devices such as the Apple Laserwriter Plus or the Linotronic Imagesetters. Users can run the program in any resolution and can change the resolution and number of bitplanes at any time.

Aegis VideoTitler

Aegis Development
512K and 2 disk drives; 2 megabytes recommended; Kickstart 1.2
149.95

This titling and special-effects generator has the ability to generate titles independently or genlocked over a live video feed. Special effects include embossing and eight directional drop shadows. Users can create a variety of styles using poly fonts, Amiga fonts, and color fonts. The Video Special Effects Generator module included on the disk can be used to add wipes, fades, dissolves, and block transitions.

Animate 3-D

Byte by Byte
149.95

Users can choreograph free-flowing and simultaneously moving objects in this animation program. A graphical interface or script language controls object rotation, camera movements, timing, and action. Live action can be simulated when individual objects are linked to make hierarchical movements. The quick-check wireframe playback allows users to preview their final production. The final product can be stored as a compressed animation file playable from RAM or recorded on videotape. Output options include single frame VCR control or image rendering to a frame buffer card. Either solid modeling or ray tracing can be incorporated into the animations.

Animator: Apprentice

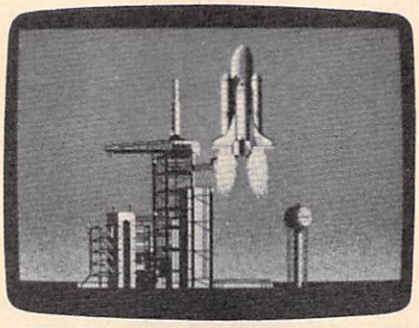
Hash Enterprises
295.00

Animator: Apprentice helps the user to create, script, and direct 3-D characters in full color and shading. Sculpt, an interactive module, changes two 2-D views into a one 3-D sculpture. A second module connects the objects into complete characters. Another interactive module defines character actions, which can be saved in libraries and reused. The director module positions characters on a stage, detailing their scripts, controlling the movement and focal length of the camera, and setting the light source. The finished animation can be recorded on film or video tape, one frame at a time. The animation can also be played back on the Amiga in near-realtime. A genlock must be used to mat in backgrounds.

Deluxe Productions

Associated Computer Services
1 megabyte
199.95
Electronic Arts

Amateurs and professionals can use this package to create color business presentations, video titles, and desktop video productions. It includes three art disks, or artwork can be imported from *DeluxePaint II, Deluxe Library* disks, or any IFF program. Sixteen colors can be used from the 4096-color palette, and all graphics are in high resolution. An overscan mode permits a borderless picture. Other features include color cycling, animation speed control, object path, and over 40 wipes.



A shuttle blastoff, complete with engine noise and background music, can be created and animated with Electronic Arts' DeluxeVideo.

DeluxeVideo 1.2

Electronic Arts
512K and Kickstart 1.2
129.95

Animated art sequences and titles can be created and combined with background music and sounds for business and education presentations or entertainment. The art and music can be saved to disk and output to a videocassette recorder or television video equipment. Version 1.2 features an overscan function to create an edge-to-edge TV-like picture and an interlace graphics mode that generates broadcast-quality sound. This version also has a faster frame rate for smoother, less jerky scrolling. The package contains the Post-Production Kit disk, which provides an additional 17 scene generators, 18 images, seven instrument sounds, three sound effects, four wipes, eight pictures, and eight songs to use in video production. *DeluxeVideo* 1.2 can be used with Commodore's Genlock 1300 and accepts data from *DeluxePaint, DeluxePrint, DeluxeMusic Construction Set, Instant Music, It's Only Rock'N Roll,* and clip art from the Deluxe Library series. A 225-page manual is provided.

Digi-View 2.0

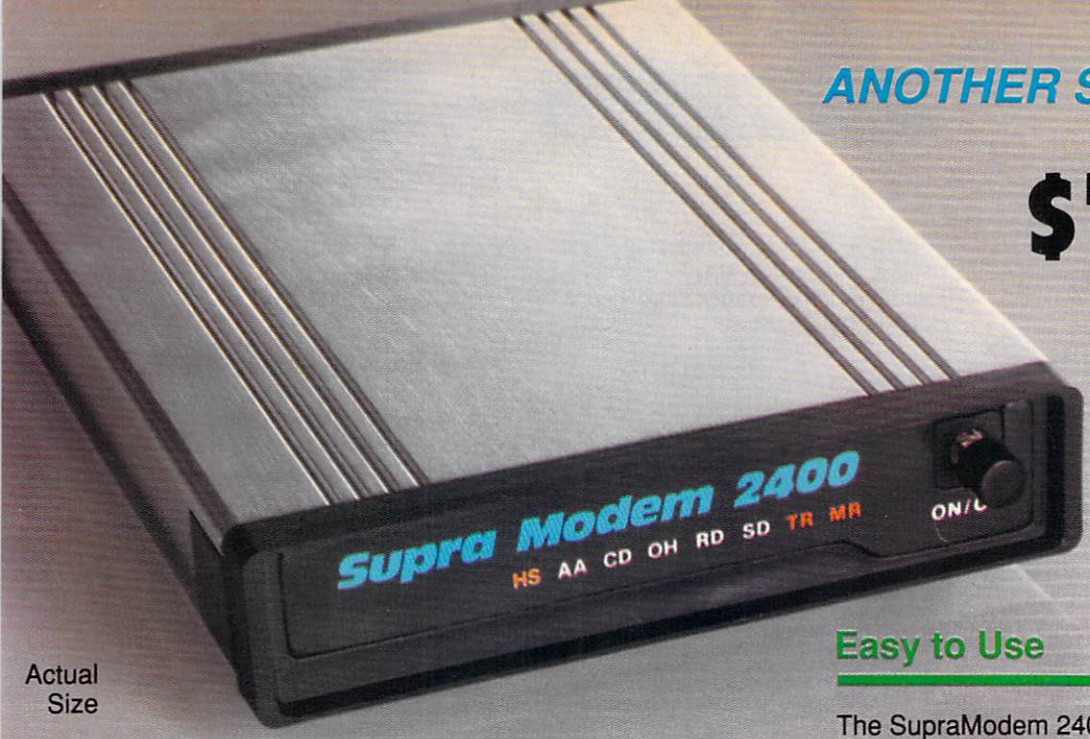
NewTek
199.95

Computer owners can use *Digi-View 2.0* and a home color or black-and-white video camera to digitize images and display them on the Amiga. This software and hardware package uses the hold-and-modify mode along with graphics routines and dithering techniques to display images containing up to 4096 colors at one time, in resolutions of up to 640 × 400. A three-color filter wheel and the *Digi-View* capture board are included in the package.

The Director

The Right Answers Group
69.95

A display and animation program, *The Director* offers page flipping, color cycling, text generation, and IFF ANIM animation on the same screen. It can use IFF images in any resolution or number of colors; and images, sounds, and fonts can be preloaded up to the memory limits. Tools include fades, dissolves, blits, wipes, and stencils. AmigaDOS commands can be executed from the script. HAM, overscan, and IFF ANIM playback are all supported. There is a digitized sound module, and the drawing commands are built-in. The program is not copy-protected.



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The SupraModem 2400 is 100% compatible with industry-standard, intelligent "**AT**" commands and all commonly used protocols (including Bell 103/212A, CCITT v.22, and CCITT v.22bis). Since the SupraModem operates asynchronously at **300**, **600**, **1200**, and **2400** baud, you can communicate at whatever rate you need to. All these features let you use the SupraModem 2400 to connect with most modems being used today.

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The SupraModem 2400 is very easy to use. It features autoanswer and autodial (tone and pulse) for performing phone tasks, and it has a programmable-volume speaker for monitoring call progress. Storing phone numbers and user configurations is also simple because of the modem's programmable nonvolatile memory.

These features and others are explained thoroughly in the comprehensive *SupraModem 2400 Operator's Manual.* Once you understand the basics, the modem's quick-reference card makes finding command descriptions and other modem information quick and simple.

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Frame Grabber

Progressive Peripherals & Software, Inc.
external video source
499.95

A video-image digitizer, *Frame Grabber* can capture color images from a VCR or video camera in 1/60 second. The editor can filter and enhance the raw images, modify captured images, change the brightness and contrast, change palette colors, filter image noise, and sharpen the edge details. Images can be displayed in 320 × 400 color resolution with overscan mode in 640 × 400 black-and-white resolution. Files can be saved in IFF format or as raw RGB images. The included hardware connects through the parallel port.

Impact!

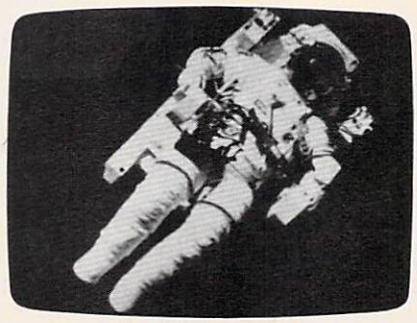
Aegis
512K; an external drive is recommended
89.95

Impact! can be used to assemble slide shows or any type of presentation graphics. It contains five basic components for building and displaying the slides. The Graph Builder is used to create four types of color graphs horizontally, vertically, and in three dimensions. Likewise, the Table Builder is used to generate tables of data, while symbols can be used for drawing or as icons in the Icon Builder. The Slide Builder combines the graphics and text to produce the slides that can be displayed on the computer screen or with video tape. The Show Builder controls the pause, wipe, fade, and delays in showing the slides, and can also be used for editing the slides. Editing features include undo, delete, move, copy, resize, and explode. Text can appear in point sizes from 4–16 and in a variety of font styles. The program uses 640 × 200 resolution for 16 colors.

LIVE!

A-Squared Distributions, Inc.
external video source
295.00

LIVE! is a frame grabber that can be used to transfer images from a camera, VCR, or TV to the Amiga. It can reproduce the images in black-and-white, 32-colors, or 4096-color HAM. The pictures can be modified using features such as posterization, fade, colorkeying, and strobes. Images can also be saved and used in other programs. Hardware is included in the package.



This digitized picture of a space walk was created on an Amiga using Perfect Vision *from Sunrize Industries.*

Page Flipper

Mindware
49.95

This video program can be used to flip IFF images. It supports all resolutions, overscan, and HAM images. The program can replay 15 frames per second in low resolution, 6 to 9 frames in medium resolution, and 3 to 4 frames in high resolution. Editable scripts also can be generated.

Page Flipper Plus

Mindware
149.00

Page Flipper Plus is an animation tool that compresses IFF images and compiles the images in increments. It can be used to control sequencing, looping, and timing. Other tools include color-cycling, fades, wipes, and dissolves. Loops can be vertical or horizontal or loops within loops. The program uses icon- and gadget-based user interfaces. It replays 30 to 50 frames in low and medium resolution. *Page Flipper Plus* contains a structure editor and supports the ANIM format as well as all resolutions, overscan, and HAM images.

Perfect Vision

Sunrize Industries
Video Camera or VCR
219.95

Perfect Vision can receive input from a color or black-and-white camera, or a video cassette recorder. The program can digitize the image from camera input, display it in 4096 colors, and then store it in IFF for later use in compatible programs. Images can be captured in 1/60 second. The program supports 320 × 200 and 320 × 400 HAM and 16-color modes. Image processing routines for noise reduction, frame averaging, mosaics, edge enhancement, and color enhancement are also included.

Pro Video CGI

JDK Images
199.95
PVS Publishing

A stand-alone, professional character generator, this program supports up to 100 pages of text memory and displays in 640 × 400 resolution. It contains three font styles in three sizes, and five background grids in 16 sizes. Other font disks are available. Eight colors, from the 4096-color palette, can be used on one page. Video features include 15 transitions, variable speed and dwell, flash, underline, and onscreen editing.

Pro Video CGI Font Library Set 1

JDK Images
Pro Video CGI
99.95
PVS Publishing

This library of fonts for use with *Pro Video CGI* contains the compete, showtime, bulletin, and future font styles.

Pro Video CGI Font Library Set 2

JDK Images
Pro Video CGI
99.95
PVS Publishing

A collection of fonts for use with *Pro Video CGI*, this package contains the pacific, encore, europa, and computer font styles.

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Pro Video Fonts

JDK Images
desktop publishing program or Pro Video CGI
49.95
PVS Publishing

Pro Video Fonts can be used with *Pro Video CGI* or any desktop publishing or graphics program. The package contains 11 fonts in three sizes—30-, 44-, and 72-point, and the fonts are designed for use in high-resolution mode.

Pro Video Plus

JDK Images
minimum 512K
299.95
PVS Publishing

Pro Video Plus runs in high-resolution mode with a display screen of 672 pixels by 440 scan lines. It contains four styles of video fonts in four sizes with italic and seven other font effects available. The screen editor can be used to create 100 pages of video titles, and text and graphics backgrounds can be added to the titles. Using extra memory, this stand-alone character generator can import IFF images from other graphic programs. Tools include roll, slide, wipe, compress or expand, corner pulls, line moves, and custom transitions.

TV*Show

Zuma Group
1 megabyte RAM
99.95
Brown-Wagh Publishing

This graphics animation and presentation program can be used for video production and titling, business graphics, sales presentations, and in education. It supports all Amiga graphic modes, including HAM, and uses pictures from programs supporting IFF graphics such as *DeluxePaint II* and *Digi-View*. There are over 40 wipes for both screen and object brushes, and a palette with 4096 colors. Animation is double-buffered and all parameters—speed, dwell and delay time, and color cycling—can be controlled. Up to 704 × 444 pixels can be overscanned for borderless displays. Multiple scripts can be merged with the insert mode, and the script editor allows events to be played, moved, or deleted. The program is mouse- and menu-driven.

TV*Text

Zuma Group
99.95
Brown-Wagh Publishing

Using high or medium resolution, this mouse-controlled program helps create lettering for presentation graphics or video productions. The characters can be stretched, squeezed, rotated, centered, or justified to the left or right margin. The program uses Amiga fonts, and the spacing can be adjusted. All 4096 colors of the Amiga palette are incorporated into the program, and backgrounds can be designed using wallpaper or tile patterns. *TV*Text* works with Genlock or in IFF format.

Video Effects 3D

InnoVision Technology
1 megabyte RAM
199.00

Users can create titles effects and logo animation for video production and presentations with this program. The software-based, 3-D-effects generator can manipulate nontextured, high-resolution bitmaps in 3-D space, with three axis rotations and true 3-D perspective. Features include onscreen, control-panel-style menus.

VideoScape 3D

Aegis
512K RAM; hard drive with 2 megabytes recommended
199.95

Three programs are included in this package—Designer 3D, PlayANIM, and VideoScape 3D—plus an assortment of utilities for creating geometric shapes. Designer 3D has three windows to represent the front, side, and top view of the object being drawn; 3-D objects can be designed using the Designer 3D windows, a utility program, or by numeric entry of *x*, *y*, and *z* coordinates. Once the file is completed, it can be loaded into the preview window where it is shown in realtime motion. By connecting a VCR to the Amiga and using the PlayANIM program, scenes can be recorded and played back. At least one megabyte RAM is necessary to develop an ANIM file, but ANIM files can be played in 512K RAM because the ANIM program compresses the files. VideoScape 3D is used to create backgrounds and the finished video.

The Video Wizard

Intracorp
video cassette recorder
29.95

A utility for VCR owners, this program can identify blank spaces on video tapes and print video space labels. Users can catalog their video tapes with the program, or it can be used as a character generator.

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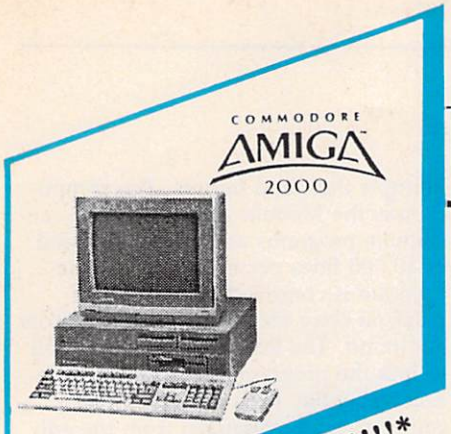

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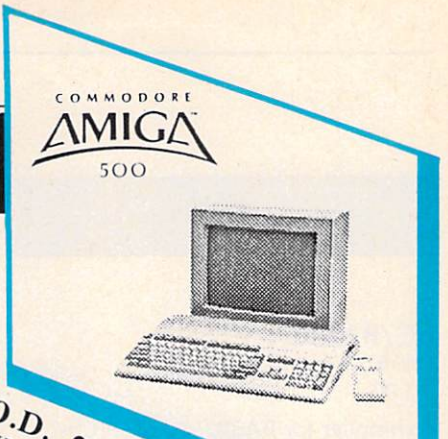

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PROGRAMMING & LANGUAGES

AC/BASIC
Absoft
195.00

A compiler for BASIC, *AC/BASIC* is compatible with Microsoft BASIC. It includes BLOCK IF, CASE statement, and STATIC keyword extensions. This compiler is not copy-protected.

AC/FORTRAN
Absoft
295.00

A full-featured, ANSI FORTRAN 77 compiler, this program includes a debugger, linker, library manager, runtime library, IEEE math, and a C interface. It supports complex numbers, virtual arrays, overlays, linking, and is not copy-protected.

APL.68000
Micro APL
99.00
Spencer Organization

This highly optimized 68000 Assembler-based APL Interpreter takes advantage of Amiga features, including Requester and Alert boxes; and speech, sound, and graphics facilities. This language supports APL multitasking and uses standard Commodore Amiga user interface.

AssemPro
Abacus
512K and Kickstart 1.2
99.95

A 68000 machine language development package, *AssemPro* includes an integrated editor, macro assembler with 32-bit arithmetic, an operating-system library, debugger with 68020 single-step emulation, disassembler, and a reassembler. The program is written in machine language and runs under CLI and Workbench. It produces PC-relocatable or absolute code. An error-search function and a cross-reference list are also available.

Aztec C68k/Am, The Commercial System
Manx Software Systems
499.00

The commercial version of Manx's Aztec C68k/AM development system includes the developer version plus source code for the library modules, and one year of updates.

Aztec C68k/Am-d, The Developer System
Manx Software Systems
299.00

The development version of Aztec C from Manx includes the standard features of the professional version, plus the vi editor; programming utilities; and the UNIX utilities make, diff, and grep. It offers a debugger with window and multiple-task debugging, 68010 and 68020 debugger support, optional stack-depth checking, and serial-port debugging functions. There are also special math-support libraries for 68881 and Manx IEEE emulation.

Aztec C68k/Am-p, The Professional System
Manx Software Systems
199.00

The Professional System, the standard version of Aztec C development system, features optimized C with selectable 68020 and 68881 support, a 680 × 0 macro assembler with 68881 support, and a linker/librarian with overlays, scatter load, and segmentation. It supports Amiga object format and UNIX, Amiga, and general-purpose runtime routines. The system runs under CLI and can be used to create CLI and Workbench functions. Aztec C supports all Workbench functions and both 1.1 and 1.2 AmigaDOS. The package includes 600 pages of documentation and example programs.

Benchmark Modula-2
Oxxi, Inc.
199.00

Benchmark Modula-2 is a software construction set comprised of an editor, compiler, and linker. Based on an EMACS editor, the editor contains over 125 commands for use with windows, multiple files, and buffers. The compiler uses the Modula-2 language and can compile programs at an average speed of 10,000 lines per minute. After the program is compiled, the editor displays an error message whenever errors are found. The linker can then be used to link the program into a stand-alone executable file. Both the linker and compiler can be accessed from the editor, and the program can be run from the editor, Workbench, or the CLI. *Benchmark* also includes support libraries such as Intuition, ROM Kernel, and AmigaDOS; Modula-2 libraries such as FileSystem, InOut, Storage, and Terminal; demonstration programs; a CLI-based compiler, error lister, and linker; an assembly language interface; and over 800 pages of documentation. The program is ready-to-use and does not require special installation. Additional add-on products are also available.

BreakOut
Essential Software Inc.
Essential Communications Library
125.00

BreakOut is an online data monitor for debugging functions in the Essential Communications Library. It can be used to control comm variables and line signals, send or receive data using the scratch-pad editor, edit the scratch pad in Hex or ASCII, and save or retransmit data. *BreakOut* is included as part of Essential Communications Library Plus for $250.00.

Cambridge Lisp
Metacomco
199.95

This integrated LISP interpreter and compiler provides an artificial intelligence development environment with rational arithmetic, trig functions, floating-point arithmetic, vectors, and integers of any size.

C Language Standard Library
Oxxi, Inc.
Benchmark Modula-2
99.00

Designed to be used with *Benchmark Modula-2*, this program employs many of the functions available in the C language library so that C programs can

be moved into the Modula-2 programming environment. These functions include formatted output, formatted input, buffered I/O, unbuffered I/O, and memory management functions.

C Utility Library

Essential Software
compiler
185.00

This C Utility Library contains over 400 functions and a source code librarian. Features include Save/Restore color screens in 1/10 second, pop-up block cursor menus, Save/Restore windows to disk or memory, 50 functions for business graphics, time and date arithmetic, field-oriented data entry, demo programs with source code, and the ability to execute programs and batch files. All source code is included. Compatible C compilers include Microsoft, Lattice, Computer Innovations, Aztec, Mark Williams, DeSmet, and Wizard.

Essential Communications Library

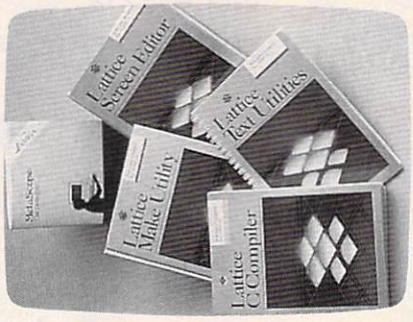
Essential Software, Inc.
compiler
185.00

The Essential Communications Library contains a variety of functions for intelligent, X-modem, timer, and keyboard services. It supports input buffers up to 500K and up to 9600 baud. A demonstration terminal program and BBS system is included. All major compilers are supported, and the functions support Hayes-compatible modems.

Essential Communications Library Plus

Essential Software Inc.
250.00

This package includes *BreakOut*, an online data monitor, and the Essential Communications Library, a library of communications functions.



The Lattice AmigaDOS C Development System *includes a compiler, text-management utilities, make utilities, screen editor, and debugger.*

Essential Graphics

Essential Software
compiler
250.00

Essential Software's graphic routines can provide graphics windowing, and character-font manipulation. Features include the ability to create dots, lines, circles, arcs, pies, and bars and the ability to move blocks and do animation. Other features include user-definable patterns, seed-filling in a boundary, and clipping onscreen coordinates. It supports IBM, Epson, and Oki printers; HP plotters; HP laser jet; and Microsoft and Logitech mouse devices. Graphics adapters include IBM color and enhanced graphics, Hercules, AT&T, Olivetti, Tecmar, and others. It is compatible with compilers such as Microsoft C, Fortran, Pascal, Lattice C, Aztec C, Computer Innovations C86, DeSmet C, Wizard C, and Mark Williams.

IFF Libraries, Graphic Image Resource Management

Oxxi, Inc.
Benchmark Modula-2
99.00

The *IFF Libraries* contains two main parts—a set of libraries to use with IFF files and a library and utility program to integrate bitmapped images into Modula-2 programs. The utility reads the IFF images and converts them into Intuition or BOB, simple sprite, or virtual sprite format so the images can be added to a Modula-2 program. Documentation is also included.

Lattice AmigaDOS C Compiler, 4.0

Lattice Inc.
200.00

Version 4.0 of the *Lattice AmigaDOS C Compiler* supports 16- or 32-bit integers and reduces subroutine calls with built-in ANSI functions. It uses an inline interface to Amiga ROM functions to create smaller, more efficient executable programs, and its library includes over 250 Amiga, ANSI, UNIX, and Lattice functions. This version includes an Amiga-syntax-compatible assembler and an enhanced version of Blink, the linking utility. The Amiga version is compatible with other Lattice C compilers. An upgrade to version 4.0 costs $75. The complete Lattice AmigaDOS C Development System, including the compiler, text-management utilities, *Lattice Make Utility, Lattice Screen Editor,* and *Metadigm MetaScope Debugger* can be purchased for $375.

Macro Assembler

Metacomco
99.95

This macro assembler features full macro-expansion directives compatible with the Motorola specification, and supports the full Motorola instruction set. The system includes Linker, Amiga libraries, full-screen editor, and documentation.

MCC Pascal

Metacomco
99.95

This ISO validated Pascal compiler generates native code, and includes comprehensive error handling, 32-bit IEEE format floating point, and full 32-bit integers.

Microsoft C Optimizing Compiler Version 5.0

Microsoft
450.00

Microsoft C 5.0 is a complete development environment for the professional programmer. It includes *Microsoft QuickC* and an advanced optimizing compiler for fast execution speed. There are two source-level debuggers—the *QuickC* debugger and an enhanced

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Microsoft CodeView debugger. The latest versions of Microsoft's language products are intercallable and can be used together. A rebate is available from Microsoft for purchasers of *QuickC*, *QuickBASIC* 4.0, and *Microsoft Macro Assembler* 5.0.

Microsoft QuickC

Microsoft Corporation
99.00

QuickC is designed for the first-time C user. It contains an integrated editor, compiler, MAKE facility, and a source-level debugger. The programmer can write, compile, edit, debug, and run his or her programs within this environment. Documentation is included. A rebate is available from Microsoft for purchasers of *QuickC*, *QuickBASIC* 4.0, and *Microsoft Macro Assembler* 5.0.

Modula-2

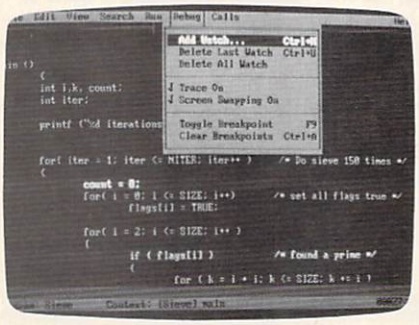
TDI Software, Inc.
99.95

Modula-2 was designed by Professor Niklaus Wirth to be the successor to Pascal. This language can be used to replace assembly language and create structured, readable code using separate modules. Modula-2 features 32-bit native code implementation, coroutines for multiprocessing, and a CODE statement for inline assembly code. The Amiga version has full interface to ROM Kernel, Intuition, Workbench, and AmigaDOS; a window-based error lister; and demonstration programs for 3-D graphics, speech, and windows. The program is not copy-protected. A developers package is available for $149.95, and a commercial package containing all the source code is available for $299.95. A manual is included.

M2SDS

Interface Technologies
512K
199.00

M2SDS is a Modula-2 language development system. It contains a single-pass compiler integrated into the Amiga Workbench, an editor, linker, and library modules—both standard and Amiga. The system supports documented functions and double-precision numeric types. The package includes a manual and Modula-2 book.



With Microsoft QuickC, *programs can be compiled and debugged in one window without changing environments or switching tools.*

Multi-Forth

Creative Solutions
89.00

Multi-Forth is designed for a single drive, minimum-memory configuration Amiga and does not require any additional hardware. It features an interactive programming environment, and is able to link to C and other libraries. It creates a compact code and has a built-in assembler and a turnkey compiler. Other features include trace and debug, built-in command-key macros, online help, and tutorial. The language is supported by a Hotline and CompuServe.

QEDit

Subliminal Software
30.00

A programming editor, *QEDit* can be used to edit as many files at one time as needed. Files can be displayed in movable, sizable Intuition windows, and file size is limited only by memory. Other features include undo and redo capabilities, pattern search, keyboard macros, horizontal scroll, and the ability to read and write any file. The program is multitasking and accepts control from the keyboard or menus.

Shell

Metacomco
69.95

A command-line interpreter, *Shell* is designed to speed up the development process. It contains Uni-like features, such as command-line history, command-line editor, aliases, variables, and push-and-pop directories. Full documentation of Amiga CLI commands is provided.

Simplified Amiga Libraries

Oxxi, Inc.
Benchmark Modula-2
99.00

Beginners and experienced programmers both can use this collection of libraries designed to be used with *Benchmark Modula-2*. The libraries include SimpleScreens, SimpleWindows, SimpleGadgets, SimipleMenus, SimpleConsole, SimpleSpeech, and others.

Toolkit

Metacomco
49.95

This program-development utility includes make, disassembler, pipes, librarian, pack and unpack, browse, and AUX CLI. It's designed to extend the power of AmigaDOS.

UTILITIES

Access-64

Progressive Peripherals & Software
64/128 Hardware
79.95

Commodore 64 and 128 word processing files and other data can be transferred to the Amiga by using this utility software. This emulator is designed to connect Commodore 64 and 128 peripherals to an Amiga 500, 1000, or 2000. It uses no new commands and allows the user to run the peripherals as usual.

CLImate

Progressive Peripherals & Software
39.95

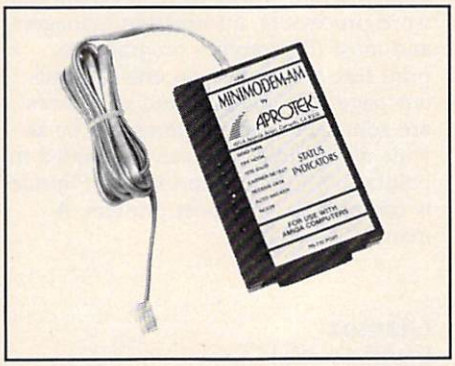
This mouse-driven interface allows users to perform standard file management procedures—such as viewing IFF files—without having to touch the keyboard. Users can point and click the mouse to format disks, rename and delete files, make directories, and create multiple file copies. The batch printout option allows users to control page length, margin settings, and page numbering. Users can also access, view, and copy any IFF formatted picture using the display option. A pattern/wildcard feature searches any directory for similar files.

The Great Communicator

The direct-connect Hayes® compatible 1200 Baud modem for ONLY $99.95

Now that you're able to do all those stand alone applications with your Computer, like word processing, spread sheet analysis, and many others, you are probably thinking "It would sure be nice if I could expand the amount of data I have access to." You are right, everything from Electronic Mail (E-mail) to stock quotes and huge databases of every imaginable type is now on line to the small computer owner. You can even send and receive messages anywhere in the world. All you need is a telephone and a modem which allows your computer to communicate with others through these services.

The next question: "Which modem is best for me?" Let us first say that almost all modems (and services) are set up to communicate in one of three speeds; 300, 1200 and 2400 Baud. If you look around you will find that there is a flood of 300 baud modems on the market being dumped because most computer users prefer 1200 Baud. (1200 Baud is about 4 times as fast which means you spend about ¼ the time and money getting the data you want and more time enjoying it.)



You may also be wondering about getting a 2400 Baud modem. 2400's are great (and quite expensive), only if you have a dedicated, data-grade phone line. Here's why. The regular phone system usually doesn't have the signal clarity and bandwidth to support more than about 1200 baud and as a result, 2400 Baud modems will usually run at either 1200 or, on a real bad line, 300 Baud. They adapt to the worst-case line conditions and will slow transmission accordingly. Why buy a 2400 Baud modem for a lot more money when it's going to transmit at 1200 Baud much of the time anyway? (Kind of like buying a sports car and never letting it go.)

You will also notice a few very cheap 1200s on the market at "too good to be true prices". They are. The usual reason is that they are either not truly Hayes compatible, therefore not usable in all situations and with all services or cheaply built foreign units with poor (or nonexistant) support. The Aprotek Minimodems™ are American built, Hayes compatible and 1200/300 baud. Why not get a modem that will satisfy your present AND future needs by going directly to an Aprotek Minimodem™ especially since we have it on sale?

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The Demonstrator

Meridian Software
512K
39.95

Amiga owners and retailers can use this program to demonstrate the features of the Amiga. *The Demonstrator* can record customized demonstrations and then play them back automatically. Users can add text windows, subsections, and speech. The keyboard can also be locked so no one can disturb the demonstration.

Disk-2-Disk

Central Coast Software
disk drive
49.95

Commodore 64 and 128 files can be transferred to and from the Amiga with this utility. The program can read and write to disks in 1541/4040, 1570/1571, and 1541 formats. Commodore PET ASCII as well as files created with *PaperClip, SpeedScript,* and *Pocket Writer* can be converted to Amiga ASCII. *Doodle, Koala,* and *PrintShop* are also included in the package.

DiskPro +!

PAR Software
256K
29.95

This package includes *DiskPro* + and *Dimmer!. DiskPro* contains four programs to backup a disk or compress and decompress files from the CLI or an icon startup program. *Dimmer!* automatically causes the screen to go blank if there is no activity for a period of time. When any activity occurs, the screen becomes active again.

DOS-2-DOS

Central Coast Software
disk drive
55.00

A utility to transfer files to and from MS-DOS machines and the Atari ST, this program can read, write, and format both 5¼- and 3½-inch MS-DOS disks and Atari ST disks in GEM format.

Encore

Intuitive Technologies
49.95

Keystrokes and mouse movement can be recorded and played back in real-time, compressed time, or at variable speeds. This utility has suspend, pause, and resume capabilities to use with more than 1000 recordings and keysets. Speech can be recorded and played back also. The program is not copy-protected and runs with Workbench or CLI.

Flipside!

Micro-Systems Software, Inc.
512K
59.95

This program works with spreadsheets, word processors, information managers, and most IFF graphics programs to print text or graphics on one continuous page. The margins and page sizes are adjustable, and columns can be as wide as possible. Text can be printed in boldface, underline, and italics. *Flipside!* is compatible with most printers. A manual is included.

Gizmoz

Digital Creations
49.95

Gizmoz contains 15 desktop accessories that work with the Intuition workbench and CLI. Accessories are calendar, rolodex, memo pad, black book for designing and printing booklets, a set of three calculators, hot key, free-list display, cuckoo alarm clock, terminal package, announcer, graph package, pop-up reference cards, data encryptor, data compressor, and Super Life, a version of the game *Life.*

GO-64!

Software Insights Systems
Commodore 64-compatible disk dive
69.95

Commodore 64 programs can be run on the Amiga 500, 1000, or 2000 using this 64 emulator. *GO-64!* supports the game ports, Commodore 64 graphics, and RGB or composite video output. It works with Commodore-compatible disk drives and printers and the Amiga numeric keypad. The package includes the software, documentation, and the interface needed to connect a Commodore 64 disk drive to the Amiga; Amiga 2000 users will need to purchase a parallel port conversion cable.

GOMF 2.0

Hypertek/Silicon Springs Development Corp.
34.95

Version 2.0 of this error-handling utility for the Amiga offers several new features. It preserves low-memory auto vectors, eliminates any task or device at any time, works with either CLI or Workbench, gets rid of CANCEL requestors, and automatically removes all errors, such as task-held or GURU. Documentation, a beginner's tutorial, and advanced application notes are included.

Holmes!

Mindware International
49.95

A disk utility, this program features disk and file repair, disk and file alteration, and disk and file examination. It is designed to help users analyze their Amiga file and disk structures.

InfoMinder

Byte by Byte
89.95

Users can gain access to reference information stored within the Amiga with this information-retrieval program. This centralized information resource uses a common interface across all Amiga applications. Interaction takes place through mouse selections from menus, information outline, or embedded programming controls.

Project D

Fuller Computer Systems, Inc.
49.95

Project D is a combination of utilities for the Amiga. The BackupTool is a disk copier that can copy-protect disks. The OmniTool is a format copier to duplicate MS-DOS, PC-DOS, Atari ST, CP/M, and Xenix formatted disks. The disk editor—The EditorTool—can be used to edit Amiga disks from AmigaDOS level to the MFM level. The CatalogTool helps index disks.

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Quarterback
Central Coast Software
69.95

Quarterback can be used to backup a hard drive to floppy disks at an advertised rate of 20 megabytes in less than 45 minutes. This utility offers full, subdirectory, incremental, and single-file backup and restore. Automatic features include formatting of disks, cataloging of files, and disk-sequence numbering, and checking. The program is multitasking and is not copy-protected.

ShortCut
Intuitive Technologies
512K
49.95

Keystrokes and spelling mistakes can be reduced with this utility that expands abbreviations. The program can be automatically started, and the user decides when to expand the abbreviations. The abbreviations are stored in memory- or disk-based dictionaries of unlimited size. The dictionaries can be created or modified with Intuition-based word processors, and abbreviations can be added while typing. A dictionary of common abbreviations, such as state names, is included. The program is not copy-protected.

The 64 Emulator
ReadySoft
39.95

The 64 Emulator enables the Amiga to support the Commodore 64's sprites, raster interrupts, sound, and color so 64 programs can be run on the Amiga. The program is written in 68000 machine code, and it supports Amiga disk drives and printers. With the transfer software, users can copy 64 programs to Amiga disks. An optional Serial Interface ($20 extra) can connect a Commodore 64-compatible disk drive and printer to the Amiga. ReadySoft warns that some 64 programs may not operate with the program due to the nature of the Amiga.

Ultra DOS Utilities, Module I
Free Spirit Software, Inc.
512K
59.95

The first volume in a three-volume set, *Ultra DOS* can be used to automatically configure multi-hard-drive systems or backup the system with multiformat features. Files can be backed up by creation date, with point-and-click selection, or using wildcard search patterns. The utility is multitasking and supports up to 8.5 megabytes of memory. The program can be operated with any hard drive that uses conventional AmigaDOS file protocol, or it can be used with dual floppy drives.

WBExtras
Lynn's Luna C
39.95

Any Workbench tool can be accessed from the Workbench menu with *WBExtras*. This program also allows single loading of Workbench tools for multiple-task execution and can be used to release allocated memory without rebooting. Several new Workbench tools and the source code in C and Amiga Basic are included.

Wow!
Intuitive Technologies
49.95

Wow! can be used from Workbench or the CLI to speed up access to floppy drives. It uses 8–10K of memory and works with expansion memory. The program can be automatically started, and the user selects the number of buffers. *Wow!* is not copy-protected.

Zing!
Meridian Software Inc.
512K
79.95

A collection of utilities for the Amiga 500, 1000, and 2000, this package helps programmers access the basic system commands of CLI through mouse, menu, or function-key operations. New programming tools include a task monitor, print spooler, and screen dump tools.

Zing!Keys
Meridian Software Inc.
512K
79.95

Macro keys can be created with this program from Meridian Software. Mouse movements can be recorded and played back as single keystrokes, and one key can be programmed to perform repetitive tasks or multiple commands. The macros can be used from any multitasking program.

TELECOMMUNICATIONS

Amiga Plato Access Disk (PAD)
Subliminal Software
modem
30.00

PAD is a terminal emulator to use with Control Data's Plato system. It supports the Plato protocol, autodial, settable colors, and file upload and download. The program can use eight colors in either normal or interlaced mode.

BBS-PC! Version 4.20
Micro-Systems Software, Inc.
512K
149.95

Programmers can set up their own bulletin board systems (BBS) with this program. It features 16 message and file sections with four types of security access for each section. Users can be divided into guests and members with an assortment of privilege levels for security. The system operator can control individual or group user access. Private or open messages are accepted, and messages can be grouped by subject for easier reading or scanning. When the maximum number of messages is reached, the system removes the older messages. There are 60 functions to create custom menus, including graphic menus. The program supports ten terminal types, and a terminal module is built in. Version 4.20 features a 400-page manual.

Diga!
Aegis
512K, Kickstart 1.2, modem and cable
79.95

Diga! uses Aegis' Doubletalk file-transfer capability for high-speed, two-way packet file transfer. Two computers can send and receive files while the users "talk" with each other. This terminal program offers CompuServe B Protocol, Kermit, X-modem, and a special DoubleTalk protocol. It also features macro keys, remote operation, password protection, flexible buffers, up to 50 lines

of text on the screen, and 80, 128, or 132 columns of text. The program can emulate Tektronix 4014, VT100, and VT52 terminals. The script option allows users to capture or send data automatically, even if the user is not present. And the program maintains a telephone number and address book. Data can be sent to printers for output. The program is not copy-protected.

Digital Link

Digital Creations
modem
69.95

Files can be transferred from a Macintosh or IBM PC to the Amiga with this communications program. It also includes a terminal emulation package that supports major terminal types such as VT52, VT100, ADM 3A, and Televideo 925. The log file helps users record the complete terminal session. The program handles baud rates from 300 to 56.9K, binary data, text, and graphics. Protocols include X-modem, Super X-modem, MacBinary, and XON/XOFF.

Diga! *from Aegis Development is a terminal program that allows Amiga computers to communicate with other computers and access online services.*

Dr. Term Professional

Progressive Peripherals & Software
99.95

Users can communicate with any other online system with this telecommunications program. It has the ability to "answerback" as required by early mainframe systems to transfer protocols. Pull-down menus allow custom configuration of the user's terminal. Features include 300-entry phone book and a command language for programming up to 40 different macros. Commands can be entered with the mouse or keyboard.

Online!

Micro-Systems Software
512K, modem
69.95

Online! helps users access other computers and online services. The program offers automatic dialing with command-driven modems and automatic redialing, which runs in the background. Protocols supported include XMODEM, XMODEM-CRC, HVP, CIS-B, and Kermit. With XMODEM autochopping, programs can run immediately after capture. There are ten user-definable macro keys for automatic log-on, and seven translation tables to change a byte value to another for any device on the system. The program uses pull-down menus.

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This WYSIWYG word processor has special applications for C programmers—it can be used as a C editor, and the spell-checker dictionary helps find errors in C syntax. Other word processing features include automatic hyphenation, decimal tab settings, automatic indexing, line-spacing options, and mathematical calculations within the text. Up to 999 characters can be entered on a line, and up to five columns can be printed on a page.

Dynamic Word
Microillusions
199.95

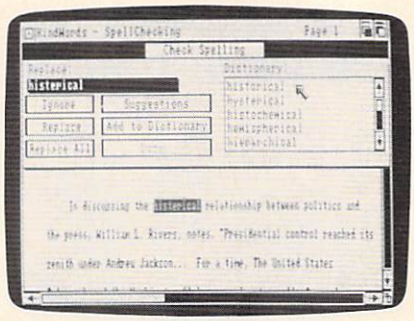
This word processor for the Amiga includes a speller and a thesaurus. It features multitasking and multiwindowing operations, support for multiple fonts and sizes, desktop-publishing-style layout, online help, and table-of-contents and index generation. The program can also perform calculations and has a screen editing mode for programmers.

Fleet Check
Professional Software
Word Processor
49.95

This memory-resident spell-checking program is designed to work with most major word processors. It includes a 90,000-word dictionary that can spell check while the user is typing or after the document has been completed. Pop-up windows show suggested correct spellings of a word, and the program can automatically replace misspelled words with the correct spelling. More than 10,000 words can be added to the dictionary. A thesaurus is also included.

Flow
New Horizons
99.95

Flow is an idea processor and organizational tool that can be used to create sales reports, school papers, and novels. It can help organize ideas, plan strategies, and schedule appointments.



KindWords, *a word processor from The Disc Company, features a 90,000-word spelling checker.*

KindWords
The Disc Company
512K, Kickstart 1.2
99.95

This WYSIWYG word processor can handle documents up to 22 inches wide and reads *Textcraft* and *Textcraft Plus* files. The spell checker contains 90,000 words and can be loaded entirely into memory. Editing features include UNDO, cut, copy, paste, up to 15 lines for headers and footers, justification, centering, tab stops, and find and replace. Graphics from IFF files and Amiga paint programs can be imported to *KindWords* and displayed in 4, 8, or 16 colors. Up to 15 fields can be merged with ASCII files to print form letters. There are a variety of font styles and sizes available, as well as Super-Fonts for printing in high resolution on inexpensive printers. The program is compatible with all Amiga printer drivers.

LexCheck
Complete Data Automation, Inc.
Workbench 1.2
42.95

LexCheck is a spelling checker that works with *Textcraft, Scribble!, Notepad,* and ASCII text files, and recognizes common words, proper names, place names, and technical terms. Its dictionary contains 100,000 words, and additional words can be added. The dictionary resides on the disk and uses less than 100K RAM.

LPD Writer
Digital Solutions
119.95

Users can view all projects and applications through windowing with this word processor. Projects can be enlarged to full-screen size, and commands can be executed by using the mouse, function keys, or short command sequences. The suspend feature enables users to put away current projects and windows, and a resume command can restore the work to its presuspended state. Other features include online memory resident help, a 500,000 word spell checker, onscreen text enhancements, onscreen text formatting and wordwrap, and WYSIWYG display.

Nancy
Finally Technologies
49.95

Designed to be used with Finally's *Talker* word processor or other Amiga word processors, this spelling checker contains over 120,000 words. Plus, users can add more words to the dictionary. Because this is a separate program, users can check documents without using the word processor.

Precisely
Central Coast Software
79.95

Precisely accepts documents from *PaperClip, SpeedScript,* and *Pocket Writer.* It runs in either CLI or Workbench and accepts both mouse and cursor control. This WYSIWYG word processor features 255 characters per line, 8 windows, mail merge, an oops key to correct mistakes, multitasking, keyboard macros, several type styles, and alternate printer fonts. Selected areas on the screen can be printed, such as an address for an envelope.

Promise
The Other Guys
49.99

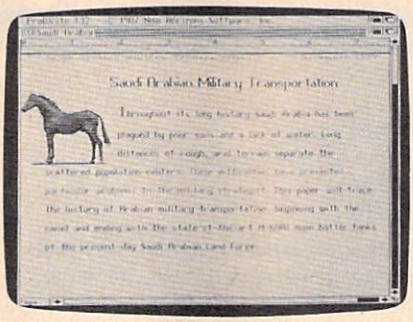
Promise takes advantage of the Amiga's multitasking capabilities, allowing it to be used with most word processors. This spelling checker contains a 95,000-word dictionary that resides in memory and is capable of checking 18 words per second. The spell help feature helps users spell words correctly. Custom dictionaries can be created by clicking the mouse button. The program also checks basic punctuation errors.

ProWrite
New Horizons Software
512K, Kickstart 1.2
124.95

A WYSIWYG word processor, *ProWrite* helps users combine IFF color graphics with text. The text features include superscript, subscript, flexible tab settings, multiple-line headers and footnotes, five page-numbering styles, cut, paste, and paragraph formatting (left, center, right, or full justification). Up to eight documents can be open at one time. The program also offers a variety of font styles and sizes. Both mouse and keyboard input is accepted.

ProWrite Version 2.0
New Horizons Software
512K, Kickstart 1.2
124.95

A WYSIWYG word processor, *ProWrite* helps users combine IFF color graphics with text. The text features include superscript, subscript, flexible tab settings, multiple-line headers and footnotes, five page-numbering styles, cut, paste, and paragraph formatting (left, center, right, or full justification). Up to eight documents can be open at one time. The program also offers a variety of font styles and sizes. Both mouse and keyboard input is accepted. Version 2.0 features sideways printing, a built-in 95,000 word spelling checker, print-merge, resizing capability for graphics, and support for HAM pictures. It also features a command to accumulate and display a count of the number of characters, words, lines, paragraphs, pictures, and pages that are in a document.



IFF color graphics and text can be combined in ProWrite, Version 2.0, *the WYSIWYG word processor from New Horizons.*

Reason
The Other Guys
395.00

This editing program is designed for both experienced and inexperienced writers. It proofreads the input text, analyzes the style of the text, provides help about English usage, and gives editorial comments and suggestions. The system points out potential errors and leaves it up to the user to correct them. The program features six main options: The Prose option describes the writing style and suggests improvements; the Style option finds problems in sentences, while the Word Analysis option checks the text for unusual word usage; the General Structure option looks for organization, topics, and parts of speech; and the Proofread Document option checks for spelling, double words, and other errors. The Extra option allows access to Amiga preferences and builds custom prose standards.

Scribble!
Micro-Systems Software Inc.
512K
99.95

Using the mouse-controlled, pull-down menus of this word processor, writers can size windows, work with more than one window at a time, or scroll among screens. Editing functions include cut, copy, paste, and text styles such as bold, italics, and underline. The program has a mail-merge feature to combine documents with mailing lists, and the spelling checker helps correct spelling mistakes. The word processor can be used with other programs from Micro-Systems: *Online!*, *Analyze!*, and *BBS-PC!*. The package includes a manual, and telephone support is provided.

Talker
Finally Technologies
49.95

A full-featured, multitasking word processor with pull-down menus, *Talker* also provides an optional speech function. The program can talk while the user types, or read the text back—from a single word up to the entire document. Users can vary the speed, pitch, volume, tone, and gender of the voice.

TextPro
Abacus
79.95

This intermediate-level word processor offers onscreen formatting, automatic hyphenation, and 30 user-definable function keys. IFF-format graphics can be imported to the text, and any section of the screen can be saved or printed. Printer drivers for many of the popular dot-matrix printers are included. The package includes a manual and is not copy-protected.

UEDIT 1&2
MicroComPuter Associates
45.00

This two-disk set is a text editor as well as a word processor. A third disk is planned and will retail for approximately $25 extra. The program was originally introduced as a shareware program.

VizaWrite Desktop
Viza Software
149.95
Progressive Peripherals & Software

VizaWrite Desktop combines word processing and desktop publishing into one package. Features include WYSIWYG display, screen-to-printer pixel correspondence, and full mouse or keyboard control of editing. The program supports custom or standard proportional and fixed width fonts. Users

can open as many editing windows as memory permits, and can cut, paste, and copy between windows. A pull-down glossary is available to input frequently used words or blocks of text. The program can run on a minimum of 256K memory.

WordPerfect

WordPerfect Corporation
512K
395.00

Designed originally for the IBM PC, this word processor contains a thesaurus and a 115,000-word dictionary to check spelling. Word processing features include automatic formatting; footnotes; endnotes; automatic paragraphing; outline numbering; indexing; table-of-contents creation; five newspaper-style or parallel columns; and a list-files option that permits file operations such as rename, delete, and print without leaving the program. Math columns can be added to documents and automatically calculated. The merge feature can be used along with user-defined macros for special functions. Multiple documents can be printed, and the program works with over 200 printers. The Amiga version is compatible with *WordPerfect* 4.1 for the IBM PC. The package includes a manual and a color-coded template.

Zing!Spell

Meridian Software Inc.
512K
79.95

Words can be checked for spelling mistakes after each word, line, paragraph, or entire document is entered. Users can access the main 95,000-word dictionary while they type or create their own dictionaries. *Zing!Spell* can be used with most word processors and other applications.

SPREADSHEETS

Analyze!

Micro-Systems Software, Inc.
512K
149.95

This spreadsheet program uses pull-down menus and mouse control to enter and display data in row-and-column format or in graphs. Editing features include insert, copy, name, recalculate, erase, label, and protect. A sort function can arrange the cells alphabetically and numerically. A variety of math functions can be performed, such as statistical functions, future value, payment and date functions, and scientific notation. The spreadsheet can be printed to file or printer with margins, headers, footers, and range. Or, the data can be displayed as a pie, bar, *x-y*, or three-dimensional chart in four or eight colors. A manual is included, and Micro-Systems offers telephone support. Through June 1988, *Flipside* will be included with each purchase of *Analyze*.

Haicalc

Haitex
512K, 1.2 Amiga Kickstart, Single floppy disk drive
59.95

Haicalc is designed for all Amiga computers and supports multitasking and multiwindowing. It takes advantage of the Intuition user interface and uses memory only when a cell contains data. The program supports underline, bold, italic, and color text. Editing and entry commands include cut, copy, paste, global, range, and cell. All commands are accessible from the menu.

MaxiPlan 500

Intuitive Technologies
512K
149.00
Oxxi, Inc.

A spreadsheet designed for beginning users, *MaxiPlan 500* accepts spoken or written cell notes for input and calculation. The cells or ranges can be formatted for color, type style, and sound, and the format can be altered to highlight the analysis. Data can be displayed in X-Y, bar, line, area, pie, 3-D bar, 3-D pie, exploding pie, and stacked bar charts. The data and charts can be linked so modifications are automatically updated to each form. Up to 16 databases can be created for each spreadsheet, with ascending and descending sorts.

MaxiPlan Plus

Intuitive Technologies
1 megabyte recommended
199.00
Oxxi

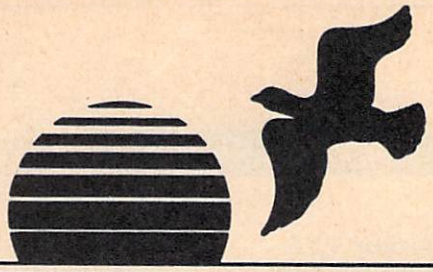
An enhanced version of *MaxiPlan 500*, this spreadsheet features 512 columns by 65,530 rows, function key commands, cells protected by passwords, and 63 built-in functions. Up to eight pie, bar, line, or area graphs can be created for each spreadsheet, and either written or spoken notes can be attached to the cells or ranges. Sixteen databases—with sort functions—can be developed for each spreadsheet and merged for labels and form letters. There are over 70 macro commands to define up to 32 macros per spreadsheet. *MaxiPlan Plus* offers multiple spreadsheets with the ability to link data from any number of spreadsheets and can be used to create self-running demos, multiple-choice quizzes, and reports such as invoices and purchase orders. It uses spoken and written input and can export graphs to Amiga paint programs through an IFF file. *MaxiPlan Plus* is compatible with *Lotus 1-2-3*.

Q-2-Q

Banana Software Inc.
49.95

A spreadsheet of ideas, not numbers, this program is designed to compare and evaluate subjective alternatives to questions and combine diverse factors into a simple format. The user can create his or her topics or use the topics provided by a panel of professionals. The program is available on 5¼- or 3½-inch disks.

Free Spirit
Software Inc.



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DATABASE MANAGERS

Acquisition V1.3

Taurus Software
512K, 1.2 Kickstart, dual floppy disk or hard disk
299.95
Haitex Resources

Acquisition is a relational database that also allows hierarchical filing structures, or a combination of both. It incorporates a mapped filing system organized around paths to handle up to 16 files at a time. Editing functions include cut, copy, and paste, and the program features a full-function report generator. Type styles include underline, bold, italic, and color. *Acquisition* can handle fields up to 10 megabytes with 10 million fields per record. IFF graphic screens can be used as backdrops for data fields. A file may contain 100 million records. This program uses Acom language with over 190 commands and functions and supports Intuition user interface; it is also dBase III data file compatible.

DataRetrieve

Abacus
79.95

Up to eight files can be opened at one time with *DataRetrieve*. This database manager can handle files with 2 billion characters, records of up to 64,000 characters, and fields with up to 32,000 characters. It allows an unlimited number of data fields, and 80 fields can be indexed. File definitions and formats can be changed, and subsets may be created. Data can appear in a variety of type styles and sizes, and IFF graphics can be added to the data. Files can be searched and selected and merged with other programs for form letters and mailing lists. The program has password protection and accepts both keyboard and mouse input.

Flex File Amiga

Cardinal Software
512K
59.95

Flex File Amiga can handle 14,000 records on a floppy disk or 32,000 records on a hard disk. This data manager uses variable field length with up to 40 fields per record. Fields can be sorted alphabetically or numerically. The report writer can calculate fields, performing over ten math functions. Data can be selected and printed, and there are minimal mouse commands.

Microfiche Filer

Software Visions
99.00

Microfiche Filer allows users to organize their pictures in the database side-by-side for viewing. Graphics and text are stored as a condensed, two-dimensional sheet, and the mouse is used to skim the listings, much like a microfiche. Several pictures can be displayed simultaneously, and text can be mixed with the graphics to allow video storyboarding. The database can be used for picture catalogs, personnel files, and other graphic applications. Files can be copied, deleted, or renamed, and the data can be printed out in user-defined forms. Other features include full-powered sorting, selecting, and printing, the ability to add and delete fields at any time, and adaptable forms with which to display data. The program works in either Workbench or CLI and can utilize up to 8 megabytes. The software is not copy protected.

Omega File

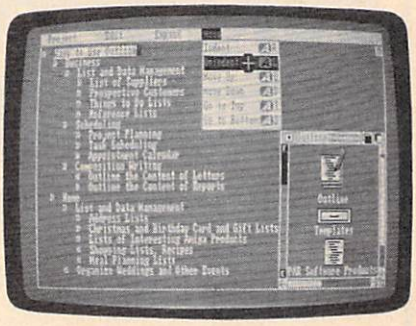
The Other Guys
79.99

The *Omega File* can be used for invoicing, inventory control, mailing labels, recipes, check writing, teacher's grading, and most other mail merge applications. Features include pull-down menus or keyboard commands, and full-screen editing. The program is limited to 200 characters per field, 256 fields per record, and 32,000 indexed records per database.

Organize!

Micro-Systems Software, Inc.
512K
99.95

Data can be entered, stored, changed, and retrieved with this data-management program. Once entered, the data can be sorted, searched, indexed, analyzed, or printed to screen, disk, or printer. Custom reports and forms can be created; selected parts of reports can be blocked out to ensure confidentiality. The program uses mouse-controlled, pull-down menus and is compatible with *dBase*. A manual is included, and telephone assistance is provided.



PAR Software's data manager, Outline!, *can be used to keep track of a variety of lists—recipes, names and addresses, telephone numbers, grocery lists, and more.*

Outline!

PAR Software
256K
49.95

Home and business users can keep track of mailing lists, recipes, ideas, phone numbers, addresses, and more with this program. Items can be listed in outline form with headings. Topics and headings can be cut, copied, pasted, or moved using the mouse. Wrap-around lines are automatically indented. *Outline* works with most word processors and uses pull-down menus and windows.

Superbase Personal

Precision Software
149.95
Progressive Peripherals & Software

This relational database includes pull-down menus, multiple windows, and point-to-click selections. Features include 17 gigabytes of storage per file, 16 million records per file, and 999 indexes per file. The number of open files and the number of fields is limited only by system memory. Formats can be changed without disturbing the data already on file. Data can be displayed in

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- Get partial key match
- Get all keys and locations
- Insert key
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PEACOCK SYSTEMS, INC.

Peacock Systems, Inc., 2108-C Gallows Road, Vienna, VA 22180

tables or page-by-page. The picture reference facility can be used to create a picture/data library. The database reads IFF format files and supports RAM disk.

Superbase Professional

Precision Software
299.95
Progressive Peripherals & Software, Inc.

A relational, programmable database, this management system allows users to create invoices, statements, customized mailings, purchase orders, as well as many other business forms. By using the programming language, users can set up a system complete with pull-down menus, pop-up requestor panels, and business forms designed by the user. Every stage of database use can be controlled, including data entry, searching, reporting, sorting, updating, and file and disk management. All operations are accessible with the programming language. Applications designed by this program can be ported to PC/MS-DOS and Atari ST computers. Other features include built-in text editing facilities, word wrap, bold/italic/underline, cut and paste, macros, and on-line help. The mail merge facility allows users to personalize correspondence with information from database files.

INTEGRATED PROGRAMS

LOGiSTiK

Grafox
384K, graphics card
149.95
Progressive Peripherals & Software

Grafox's project management package for the Amiga combines project management techniques with a spreadsheet, a database, and graphics. The program can perform "What If" analysis and can calculate and display the priority jobs for completing a project. *LOGiSTiK* has the ability to read *Lotus 1-2-3*, *Dbase III*, and other program files. The graphic output can create Gantt charts, scatter graphs, pie charts, and 2-D and 3-D bar graphs. Users also have the option to print the data sideways.

WordPerfect Library

WordPerfect Corporation
512K
129.00

A collection of desktop programs, WordPerfect includes Notebook, a program that organizes and saves data such as name and address files, and Calendar, which can be used for scheduling appointments. The Calculator program can be used for mathematical, financial, scientific, and programming computations, and the File Manager helps users create, display, delete, and print file directories. The Program Editor and a game are also included in the package.

The Works

Micro-Systems Software
199.95

This integrated business package for the Amiga combines the spreadsheet *Analyze!* 2.0, the word processor *Scribble!* 2.0, and *Organize!*, a database module. The spreadsheet can generate multicolor 3-D graphics and is compatible with *Lotus 1-2-3*. A spelling checker and mail merge is included with the word processor, which can show four documents on the screen at one time. The database module can be used to prepare custom reports, organize information, and prepare mailing lists. All the programs use pull-down menus.

Write & File

SoftWood
99.95
Brown-Wagh Publishing

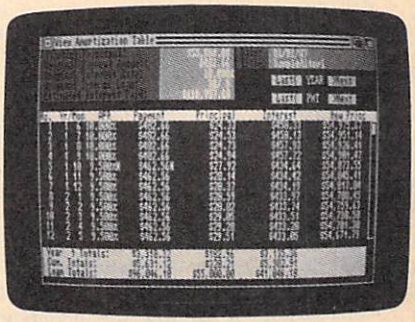
A database manager and word processor are combined in this package for the Amiga. The WYSIWYG word processor features multiple fonts, headers, footers, automatic page numbering, margins, indents, undo command, search and replace, an editor, and two spelling-check dictionaries, one with over 100,000 words. Documents can be printed in graphic or text mode. The database manager is in a list format similar to a spreadsheet that shows multiple records at one time. Up to 32 columns per row can be defined, and data in rows can be sorted within the columns. Keyword searches are available using and, or, not, and other logical operations. The mouse is used to change or move data within the columns. With the mail-merge feature, form letters can be created or databases added to reports.

FINANCIAL MANAGEMENT

Amiga Business Management 2.0

B.E.S.T.
3½-inch disk drive and 80-column printer
395.00

This integrated accounting package for the Amiga includes inventory, services, general ledger, accounts receivable, accounts payable, invoicing, and purchase order programs. Invoices, statements, purchase orders, and checks can be printed. Inventory, the general ledger, A/P, and A/R are automatically updated when invoices are posted. Version 2.0 offers an international keyboard option and features a user-definable security system. The package includes a 380-page manual. Updates can be purchased for $25 and return of the Version 1.0 disk.



Ea$y Loan$ *from PAR Software can be used to create amortization schedules and calculate loan payments.*

Ea$y Loan$

PAR Software, Inc.
256K
49.95

Small-business and home users can keep track of loan payments and create amortization schedules with this program. Amortization schedules can be customized with partial payments, balloon payments, negative amortizations, and variable interest rates and payments. The program can calculate missing variables such as principal, length of time, or interest rate. The schedules and loan tables can be viewed on the screen or printed out. The speech and color palette settings can be turned on or off.

Investor's Advantage

Software Advantage Consulting Corporation
256K, DOS 2.1 or greater, CGA, 2 drives, printer, modem
99.95

Investor's Advantage is designed for the individual investor to help keep track of stocks and general market trends. Up to 229 weeks of history on up to 500 stocks and indicators can be maintained. The program can produce a variety of reports, including relative strength ranking and monthly percentage change. The daily and weekly stock market barometers help track turning points. Individual stocks can be programmed with three durations for calculating moving averages and momentum indicators. Information can be displayed in color graphs that automatically rescale when new information is entered. Updates and history can be obtained from online services. When specific parameters are entered, the program can call up a service, retrieve the data, disconnect, and update the files. The package contains a starter data disk, reference manual, and multicolor graphics. A modem is required to connect to the services, and a printer is necessary to print out the reports.

KEEP-Trak

The Other Guys
49.99

KEEP-Trak can generate reports—such as a balance sheet—with categories for assets, liabilities, and net worth. The program can produce income and expense statements that contain current and year-to-date totals with year-end closing procedures. The general ledger shows all account activity for all valid account numbers and is printed in chronological order beginning with the lowest account numbers; the proof column shows running debits verses credits. The chart of accounts has 899 user-definable account categories which the user may add, change, delete, or print out. The system is designed for either home or office use.

Math-Amation

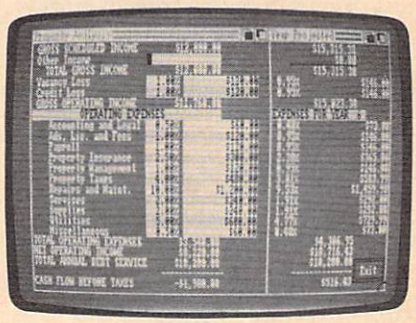
Progressive Peripherals & Software
99.95

Math-Amation is a modular math and science processor that displays algebra, geometry, trig, statistics, calculus, and physics calculations on the screen. The program contains programmable scientific and matrix calculators and can be used to converts formulas, produce technical measurement units, and convert constants, including fuel consumption rates, thermal diffusion, velocity, and viscosity. The business graphics module presents data in automatically scaled 3-D pie charts and bar charts. Users can key in numbers, cut and paste expressions together from formulas, and then use the mouse to move them to memory or to any one of the modules. The program can merge its mathematical capabilities into the Amiga's graphic environment.

Nimbus

Oxxi, Inc.
149.00

Small business owners can use this program to manage their cash flow. Customer and vendor accounts are tracked by name rather than numbers, so payment status, outstanding balances, and P/L statements can be quickly accessed. When information is entered into accounts payable or receivable, it is automatically updated to the general ledger. The program uses the single-entry method and offers predefined reports and invoices and an editable chart of accounts. Pop-up minimenus help the user through the program, and business terms rather than accounting terms are used. *Nimbus* can also be used to compile reports for taxes. Up to 450K of information can be entered on one disk.



Real estate and property management information can be displayed in form or graph mode with PAR Real I *from PAR Software.*

PAR Real I

PAR Software Inc.
512K
149.95

PAR Real I can be used by real estate investors and property managers to create investment analyses, amortization tables, financial statements, loan evaluations, what-if forecasts, lease vs. buy analyses, and reports concerning cash flow, tax benefits, rate of return, and ratios. The information can be displayed in customized forms and contracts or in 3-D bar charts.

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HOME & FINANCIAL MANAGEMENT

AMT
The Other Guys
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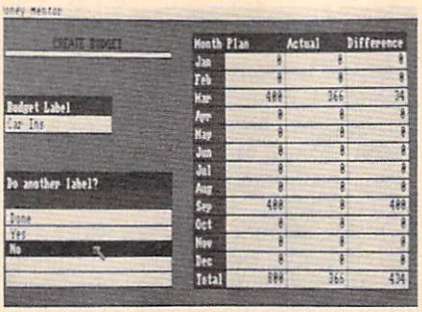
AMT can be used to calculate many types of sales or purchase outcomes, including balloon payments, negative amortizations, and FHA 245, GPARM, GEM, and ARM loans. Monthly, bimonthly, quarterly, semiannual, or annual payments can be computed using positive or negative amortization options. Twelve payment periods with payment month, interest charged, principal, and balanced owed can be displayed on the screen or printed. Printed reports also contain a block listing total interest paid to date, total principal paid to date, and total cash paid to date.

Microlawyer Legal Forms
Progressive Peripherals & Software
59.95

Microlawyer is a collection of over 100 legal documents for personal and business use. The forms can be used along with a word processor to create personalized wills, powers of attorney, premarital contracts, leases, loans, and other legal papers. The forms are not designed to replace legal advice, and can be used by lawyers and lay people.

Money Mentor
Sedona Software
95.95

Home financiers create, edit, or delete up to 200 budget categories—100 income labels, and 100 expense labels—for any 12-month period with this money management program. In the transaction system, users can manage up to 30 accounts, including checking, cash, savings, and credit cards. Transfers within accounts and transactions split between categories can be tracked. The reporting system provides graphic reports that illustrate actual vs. budgeted amounts. Users can project their financial picture using the more than 50 reports available.



Home budgets can be planned and maintained using Sedona Software's Money Mentor.

Phasar
Finally Technologies
99.95

A financial record-keeping program, *Phasar* can help users keep track of multiple interacting accounts, provide savings and loan analysis, produce budget reports, and prepare and project income taxes. Name and address files can be entered into the program, and the program can be used to remind users of special dates.

Pro Football Facts and Predictions
Intracorp
59.95

Statistics from the National Football League are included in this program. Users can use the statistics to help determine which teams are likely winners.

HEALTH

Interaction
Intracorp
99.95

Interaction was written by Dr. Joyce Brothers and is designed to answer users' questions about love and relationships. The package includes both the analysis and compatibility modules.

Interaction: Analysis Module
Intracorp
59.95

This package contains only the Analysis Module from Dr. Joyce Brother's *Interaction* program. The *Interaction* program was written by Dr. Brothers to help answer users' questions about love and relationships.

Interaction: Compatibility Module
Intracorp
49.95

Dr. Joyce Brothers designed the *Interaction* program to help answer questions about love and relationships. This package contains the Compatibility Module from that program.

The Love Quest
Intracorp
59.95

Love Quest is designed to help people improve their relationships with the opposite sex. The program searches its database to determine with what type of person the user is compatible.

Dr. Xes—A Psychotherapeutic Game
Finally Technologies
29.95

This psychotherapeutic game uses artificial intelligence techniques and speech synthesis to converse with users on topics concerning well-being and mental health. The program can help develop a cognitive model of patients, and takes into account information from previous sessions.

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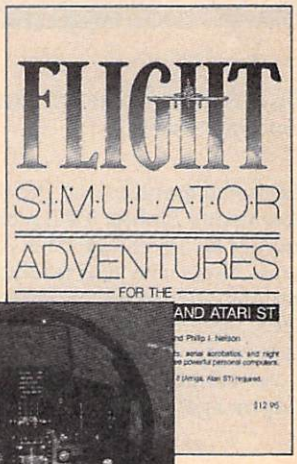

This collection of flight guidebooks helps you get the most out of flight simulation software. Designed to be used with Flight Simulator, Flight Simulator II, F-15 Strike Eagle, and other fighter-jet simulations, these books contain scores of scenarios that lead you across the U.S., around the world, into battle, and back to your favorite landing strips.

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Jonathan M. Stern 251 pages
Here's fascinating hands-on instruction on flying with instruments in *Flight Simulator* and *Flight Simulator II*. How to fly in all kinds of weather—when the cloud ceiling is low or the visibility is reduced. How to read and fly the instrument approach charts that instrument-rated pilots use. How to take off, fly to another airport, and land—all while the clouds are a mere 200 feet off the ground. And how to navigate by using the impressive instruments available in *Flight Simulator* and *Flight Simulator II*. More than 130 actual instrument approach procedure charts. For all versions of *Flight Simulator* and *Flight Simulator II* (Apple, Amiga, Atari, Atari ST, Commodore, IBM PC and compatibles, Macintosh). *Flight Simulator* or *Flight Simulator II* required.
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David Florance, Tom R. Halfhill, and Philip I. Nelson 227 pages
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Richard G. Sheffield 177 pages
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LANGUAGE ARTS

The Adventures of Sinbad
Unicorn Software
49.95

Animated graphics and digitized sound accompany Sinbad the Sailor on his journey to adventure. This educational game offers over 600 reading comprehension and synonym/antonym questions, glossaries of vocabulary words, a built-in word processor, quizmaker, and a concentration game. For one or two players ages 8–12.

Aesop's Fables
Unicorn Software
49.95

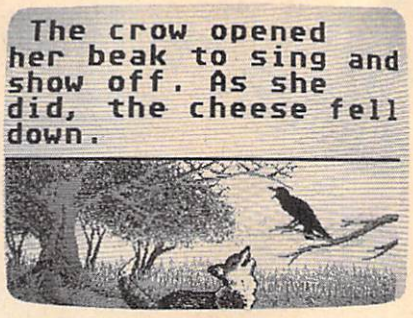
Twelve of Aesop's fables are presented on disk to help students improve their reading and spelling skills. Each story contains graphics and large text, and is followed by four learning modules. Over 700 questions in the first module help test reading comprehension. Aesop's Spells and Spelling Skills help children learn to spell words presented in the stories; individual spelling lists can be added to Spelling Skills. Memory Builder is designed to enhance memory, sight reading, and knowledge of contractions. For one or two players ages 6–9.

Discovery Expansion Disk: Language
Microillusions
Discovery Game Disk
19.95
Activision

This expansion disk is for use with the *Discovery Game Disk*. The categories covered on the disk include components of speech, effective communication, and vocabulary.

Discovery Expansion Disk: Spelling 1
Microillusions
Discovery Game Disk
19.95
Activision

For use with the *Discovery Game Disk*, this data disk includes topics on elementary-level word spelling.



Color graphics and large text in Aesop's Fables *from Unicorn Software can help students ages 6–9 improve their reading skills.*

Discovery Expansion Disk: Spelling 2
Microillusions
Discovery Game Disk
19.95
Activision

Students complete exercises in ten levels of increasing difficulty on this spelling disk. The disk is to be used with the *Discovery Game Disk*.

Ghostly Grammar
Unicorn Software
49.95

Over 700 sentences are included in this two-volume program to help students learn the basic rules of grammar. The Grammar Builder covers parts of speech, capitalization, abbreviations, punctuation, and sentences. The Treasure Hunt is a maze game set in an abandoned mansion of an English professor; the player must search the mansion for hidden treasure by correctly answering grammar questions.

KidTalk
First Byte
49.95
Electronic Arts

Children can practice their reading and writing skills by entering letters, words, sentences, paragraphs, and numbers into this computer notebook. The program then reads back the information in a male or female voice. The computer uses a built-in dictionary for correct pronunciation. The written messages can be edited or printed. Both pull-down and graphic menus can be used, and help screens are available. The computer uses its built-in speaker; no additional hardware is needed.

Linkword Languages
Artworx
29.95

Travelers, business people, and beginning language students can use this program to help them learn a foreign language. Linkword uses a system that links foreign words to similar English words for visual association. Students can learn about 400 words, grammar, and pronunciation in approximately ten hours. Level II versions offer additional vocabulary and grammar. The packages include a program disk and an audio tape, and are available for French, Spanish, German, Russian, Italian, Greek, Dutch, Portuguese, and French—Level II.

The Logic Master
Unicorn Software
49.95

Both analogy and number-series problems are presented in this educational game for grades 5 through high school. In the analogy section, students can learn about cause and effect, avoidance, relationships of whole and part, nouns and their actions, and analogies of degree. An assortment of number-series problems in varying levels of complexity must be solved in the number-series tutorial. The Quest is a fantasy role-playing game in which the player must solve logic problems to enter the dragon's lair and capture his treasure.

Mad Libs
First Byte
19.95
Electronic Arts

Students supply nouns, verbs, and adjectives, and the program inserts the words into a story, often creating nonsensical and humorous results. Using the built-in speaker, the computer reads the story aloud. The program can be used individually or in classrooms to help students learn the parts of speech.

Magical Myths
Unicorn Software
49.95

Students can learn about the Greek myths and improve their reading skills with this package. It contains three stories—"Creation of the Gods," "Pandora's Box," and "King Midas"—and over 600 reading and vocabulary questions. The Myth Maker word processor helps students practice their creative writing skills, and the Mythical Match Game can help improve memory. For one or two players ages 8–12.

Read & Rhyme
Unicorn Software
49.95

Space stories help students ages 5–10 improve their reading and vocabulary skills. In Rhyming Rockets, players must choose the word that does not rhyme. In Flying Saucer, Children must fill in the missing word in 200 sentences on two difficulty levels. Alpha Blast helps students learn to alphabetize over 1000 words. One or two students can make rhyming words in Rhyming Challenge.

The digitized sound and graphics of Unicorn's Read-A-Rama *can help students learn a variety of vocabulary words.*

Read-A-Rama
Unicorn Software
49.95

Two disks contain a variety of words divided into 14 categories to help children ages 5–8 learn to read and spell. Five programs—Word-A-Rama, Read-A-Rama, Spell-A-Rama, Read & Remember, and Spell & Remember—help the players learn to recognize and spell words. Individual spelling lists may also be used. The program uses digitized sound and graphics. For one to four players.

Robot Readers
Hilton Android
512K
29.95 ea

Robot Readers is a series of disk-based stories to help children learn to read and improve their vocabularies. Interactive speech helps nonreaders recognize words so little or no adult supervision is required. Individual disks contain *Chicken Little, Little Red Hen, Aesop's Fables, Three Little Pigs,* and *The Ugly Duckling.* Each disk includes illustrations and word games, and costs $29.95.

Speller Bee
First Byte
49.95
Electronic Arts

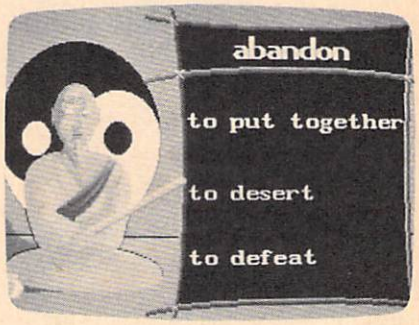
Students can improve their spelling skills with these three-word games and the talking spelling coach. The spelling list contains 150 words and additional lists can be added. The speech feature uses the computer's built-in speaker. For preschool through junior high.

Tales from the Arabian Nights
Unicorn Software
49.95

Students ages 8–12 can improve their reading comprehension skills with this educational game from Unicorn. The package contains three separate stories, Aladdin's Lamp, The Ebony Horse, and Ali Baba, each with its own glossary of vocabulary words. The disk includes over 600 multiple-choice, fill-in, and vocabulary questions. There is also a word processor, so students can practice their creative writing skills; a quizmaker; and a graphic game, Arabian Match Game. One or two students can participate in each story.

The Wonders of the Animal Kingdom
Unicorn Software
49.95

Children ages 6–12 can learn about the animal kingdom while improving their reading and memory skills. The program covers prehistoric, jungle, fish, insect, amphibious, and bird species. Activities include an electronic encyclopedia, Animal Spells, anagrams, identification of an animal from pictures of its characteristics, What's Different, and an animal memory game. The game uses digitized sound and is designed for one to four players.



The Word Master *from Unicorn Software contains over 500 vocabulary words in four word games.*

The Word Master
Unicorn Software
49.95

Word power skills can be increased with the four programs in this package for ages 8–14. Vocabulary Test is a placement test to help set up individual learning plans. Master's Review contains over 500 words and their definitions. In Vocabulary Challenge, students must match the words with their meaning; the Master's Review database is used. Master's Maze is a maze game to help build vocabulary and comprehension skills. The program contains graphics and digitized sound.

MATH

Algebra I
True BASIC
49.95

Beginning and intermediate algebra and basic arithmetic concepts are explained in this program. Algebra practice includes algebraic expressions, quadratic and nonquadratic equations, and finding roots. Other problems cover fractions, numeric expressions, radicals, and geometric measurement. The program is menu-driven and provides on-screen help.

Arithmetic
True BASIC
49.95

Students can use this menu-driven program to practice their math skills in fractions, percentages, square roots, converting to and from scientific notation and the metric system, calculating distances on a number line, and geometric measurements. The program includes a calculator and help screens.

Decimal Dungeon
Unicorn Software
49.95

To escape the dungeon master's crystal caverns, the players must correctly answer the decimal math problems and enlist the help of the bat. There are multiple difficulty levels and a time option in this math game. Incorrect answers are explained on the screen. For one to two players ages 9 and over.

Discovery Expansion Disk: Math 1
Microillusions
Discovery Game Disk
19.95
Activision

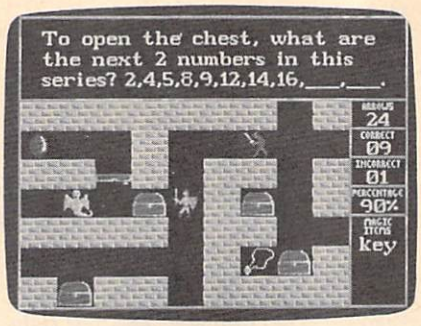
Elementary level, basic four-function math drills are contained on this disk, which is to be used with the *Discovery Game Disk*.

Discovery Expansion Disk: Math Concepts
Microillusions
Discovery Game Disk
19.95
Activision

Mathematical topics—including thought problems, geometry, and trigonometry—are covered on this data disk for use with the *Discovery Game Disk*.

Fraction Action
Unicorn Software
49.95

The only way to pass through the electrified gates and escape the Mad Professor's Mansion is to correctly answer the fraction problems. Incorrect responses are explained on the screen. This game is for one or two players ages 8 and over.



Students must solve number-series and analogy problems to capture the dragon's treasure in The Logic Master *from Unicorn Software.*

The Logic Master
Unicorn Software
49.95

Both analogy and number-series problems are presented in this educational game for grades 5 through high school. In the analogy section, students can learn about cause and effect, avoidance, relationships of whole and part, nouns and their actions, and analogies of degree. An assortment of number-series problems in varying levels of complexity must be solved in the number series tutorial. The Quest is a fantasy role-playing game in which the player must solve logic problems to enter the dragon's lair and capture his treasure.

Math-A-Magician
The Other Guys
color monitor
39.99

Designed for all ages, this interactive math program offers four levels of difficulty. The user can choose from addition, subtraction, multiplication, or division problems that use either whole numbers or fractions. The program also features a multiplication table, an addition table, computer generated speech, and four-part harmony music.

MathTalk
First Byte
49.95
Electronic Arts

Professor Matt A. Matics, a talking computer character, helps students learn basic math skills in addition, subtraction, multiplication, and division. The program uses the computer's built-in speaker to help students complete the variety of activities in the program. For ages 5–13.

MathTalk Fractions
First Byte
49.95
Electronic Arts

Professor Matt A. Matics, the talking computer tutor, helps students ages 8–15 learn about fractions, decimals, and percentages. There are four learning modules. The program uses the computer's built-in speaker.

Math Wizard
Unicorn Software
49.95

Four games can help students improve their math skills. Wizard's Flash helps children learn the basics of addition, subtraction, multiplication, and division. In Elf's Equations, the player must supply the missing factor in the equation. Students can practice solving word problems in Troll's Toy Shop, or they can fly a dragon to the magic castle by correctly answering the problems in Dragon Race. For one or two players, ages 5–13.

Space Math
Intracorp
49.95

Users of this program play a space game while learning math facts. The forces of the universe must be challenged while attempting to land the spaceship on an alien planet.

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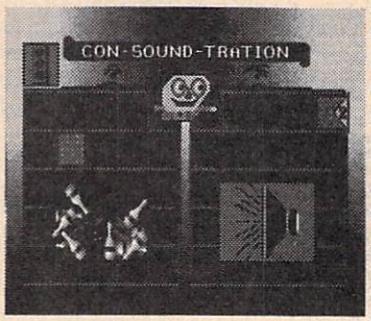

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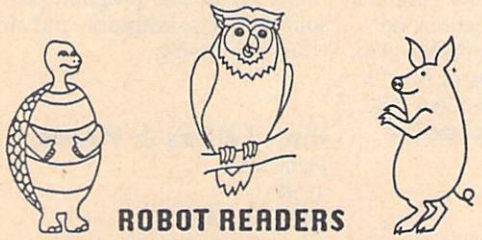

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SCIENCE & HEALTH

Birds 'N Bees
Intracorp
99.95

Birds 'N Bees programs for the 7- to 12-year-old age group and the 13- to 18-year-old age group are included in this package. The programs help teenagers in those age groups learn about the facts of life.

Birds 'N Bees: 7–12 Year Old Version
Intracorp
59.95

The 7- to 12-year-old edition of this program helps youngsters in that age category learn about human reproduction, the facts of life.

Birds 'N Bees: 13–18 Year Old Version
Intracorp
59.95

Teenagers can learn about the facts of life with this program. It is designed for ages 13–18.

Discovery Expansion Disk: Science
Microillusions
Discovery Game Disk
19.95
Activision

Students can be quizzed on general science, health, biology, chemistry, and physics, on this disk for use with the *Discover Game Disk.*

Galileo 2.0
Infinity Software
512K
69.95

Users can access a database of thousands of stars and scroll to any part of the sky for identification of constellations, planets, and over 400 deep-sky objects. When the user clicks on an object in the sky, information about that object is printed to the screen. This planetarium simulation also depicts a solar eclipse. In order to observe the orbits of planets, the program allows students to view the solar system from above. Users also have onscreen access to the Yale Bright Star Catalogue.

The Planetarium
Microillusions
69.95
Activision

Written by an employee of the Jet Propulsion Laboratory, this program includes over 9000 stars in the database. All significant stars are included down through seventh magnitude, plus all planets. The user can view the sky from any simulated position on earth and can choose skies from 9999 B.C. to 9999 A.D. Constellation patterns and names are optionally displayed.

Discovery Expansion Disk: History
Microillusions
Discovery Game Disk
19.95
Activision

Areas of study on this disk include Ancient, Medieval, Modern, and American History. The disk is a supplemental data disk for use with the *Discovery Game Disk.*

Discovery Expansion Disk: Social Studies
Microillusions
Discovery Game Disk
19.95
Activision

Categories on this expansion disk for use with the *Discovery Game Disk* include governments, religions, and population growth.

SOCIAL STUDIES

All About America
Unicorn Software
59.95

Sixteen stories can help students ages 6–11 learn American history and build language arts skills. Each story contains text, color graphics, and questions on vocabulary and reading comprehension. The map disk contains maps of the 13 colonies, the U.S. before the Civil War, the current 50 states, and quizzes on the states.

Discovery Expansion Disk: Geography
Microillusions
Discovery Game Disk
19.95
Activision

Students are tested on U.S. and world geography, the environment, and ecology, on this disk designed to be used with the *Discovery Game Disk.*

PRESCHOOL

FaceMaker, Golden Edition
Spinnaker
49.95

Children ages 3–8 can learn basic computer skills by creating and animating funny faces. The program provides sound effects, graphics, and simple word processing.

First Letters & Words
First Byte
49.95
Electronic Arts

Children ages 3–8 can learn upper- and lowercase letters with Ted E. Bear, a talking computer character. There are four learning modules, and the activities can be customized. The program uses the computer's built-in speaker.

First Shapes
First Byte
49.95
Electronic Arts

Ted E. Bear, a talking computer character, helps children recognize geometric shapes. Using the program, children can make new toys, accompany Ted to the toy fair, or play a matching game. The program can be customized for each child's abilities. For ages 3–8.

Kinderama
Unicorn Software
49.95

Five games help preschoolers learn counting and alphabet skills. Robot Story introduces subtraction, rhyme, and letter recognition. In Count the Robots, the student must count the robots on the screen, and in Robot Addition, he or she student must add them together. Upper- and lowercase letters must be matched in Robot Letter Match. Children can practice using the mouse in Robot Construction. The programs feature graphics and digitized sound.

Match-It
The Other Guys
Color Monitor
39.99

Match-It is designed to teach young children basic colors and shapes through interactive games and tutorials. The program takes advantage of Amiga's speech, helping children who have not yet learned to read. Menus allow the child to choose what he or she would like to learn. Voice, graphics, and music offer positive feedback, while games teach concepts as the child has fun. The program is self-booting and mouse-driven, allowing easy access and operation.

TEACHING AIDS

Grade Manager
Associated Computer Services
89.95

A menu-driven program to help teachers keep track of students' grades, Grade Manager handles up to 50 students with 48 grades in one file. ID numbers can be assigned to students, and student names can be added, changed, and deleted. The program converts grades to a 100-point scale, and teachers can define eight grading categories. It can also account for incomplete and extra credit assignments. Reports such as class roster, attendance, grade list, and average sheets can be printed.

Discovery Game Disk
Microillusions
39.95
Activision

With this educational game, players must solve problems in order to complete a space rescue mission. Problems can be selected to match the age and education levels of players. The master disk comes with either a math or spelling problem set. Nine additional expansion disks are available separately.

Quiz Master
Associated Computer Services
512K
79.95

Users can create an unlimited number of group or individual tests, quizzes, tutorials, lessons, or drills. Test question formats include true or false, multiple choice, fill in the blank, or short answer. The program can keep track of group or individual student scores, which can be printed or displayed on the screen. Users can also incorporate music into the question formats.

SELF INSTRUCTION

Discovery Expansion Disk: Trivia 1
Microillusions
Discovery Game Disk
19.95
Activision

This expansion disk is for use with the *Discovery Game Disk*. Categories include general questions on Nobel prizes, sports, and quotes.

Discovery Expansion Disk: Trivia 2
Microillusions
Discovery Game Disk
19.95
Activision

For use with the *Discovery Game Disk*, this disk includes general questions on movies, space travel, and famous people.

Intelli-Type
Intellisoft
49.95
Electronic Arts

As the user types, this program can monitor and evaluate the accuracy to design customized lessons for the typist. Instead of typing drills, this programs uses soap-opera-like text with scandal, intrigue, cliffhangers, and humor. Color charts show the typist's progress, and there are 30 lessons included.

MasterType
Mindscape
39.95

This typing program helps students learn to touch type and to improve their skills in using a computer keyboard. The program encourages the students to watch the screen rather than their fingers by offering onscreen prompts. There are 18 levels, from single letters to words and symbols. The package includes a user's guide.

The fastest

Modula-2

software development system

for

AMIGA $ 199

Extremely fast single-pass compiler, integrated into the Amiga Workbench, full support for documented functions (Intuition, Exec, Graphics, etc.), double-precision numeric types, including FFP, produces optimised machine code, links in just a few seconds! The comprehensive development system contains an editor, compiler, linker, library modules (Standard & Amiga libraries), manual and introductory Modula-2 book. Minimum configuration: 512K, 1 drive.

Demonstration disk **$ 5**

the IBM PC range & compatibles $ 99

With M2SDS you develop your Modula-2 programs in a powerful window environment, where all the tools are integrated for speed and efficiency:
- syntax directed editor
- incremental compiler – much faster than a conventional compiler
- fast linker – produces stand-alone executable programs
- library manager – modules are compact and ergonomically managed
- clock, ASCII table, calculator
- all modules are provided in source form

M2SDS supports the 8087 maths co-processor, REAL arithmetic calculates to 15 digits accuracy and easy access to the MS-DOS/PC-DOS/Concurrent-DOS operating environment. Programs and data may use up to the full 640K DOS memory. No other software development system has as many tools and toolboxes as M2SDS.

SDS-XP	$ 249
Debugger	$ 79
M2SDS demonstration disks	$ 5
Turbo-Pascal to Modula-2 source code translator	$ 59

IBM/370 Mainframes

$ 11500

One of the fastest compilers in the world (single-pass, 36000 lines/minute), full 32 bit arithmetic, separate compilation of modules with all the benefits of Modula-2 (version control, type checking between modules, etc.), interface to Assembler and Fortran, support of project libraries, produces high efficient native code (including arithmetic checks) for linker and loader.

Annual contract for support **$ 1850**

All these products with full support are available from

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Switzerland
Tel. (41) (1) 700 30 37

E-Mail: APLUSL@komsys.ifi.ethz.ch (UUCP)

EDUCATION

Mavis Beacon Teaches Typing

Software Toolworks
44.95
Electronic Arts

Typing students can use this menu-driven program in either word processor or typewriter mode to learn to type. Lessons are tailored to meet individuals' needs, and the program monitors each student's progress. The practice lessons include quotes from historical writings, riddles, rhymes, jokes, and facts from the *Guinness Book of World Records*. The program uses 2-D and 3-D graphics to represent over 20 color graphs, a keyboard, and "guide hands"; the guide hands type along with the user. A typing game, "Road Racer" and an onscreen metronome are included. Help windows provide help throughout the program, and when mistakes are made, explanations are given in conversation-like sentences. The package includes a "Résumé Writer" program and a typing textbook.

The Perfect Score

Mindscape
79.95

The Perfect Score helps students in grades 10–12 improve their skills for taking the SAT. The program contains six double-sided disks to test the six formats of the SAT. There are learning and testing modes, and an onscreen clock helps simulate a timed test. Test scores can be printed.

Typing Tutor + Word Invaders

Academy Software
34.95

This program teaches touch typing by beginning with the home keys and automatically advancing to new keys, in gradual steps, as the user's skills develop. Mistakes are immediately identified, and the user's typing speed is displayed during the lesson. Successful completion of the program is rewarded with a graduation song. A typing game is included to reinforce proper typing techniques. Players must blast invading words out of the sky before the base is destroyed. The game speed can be adjusted to accommodate beginning students to advanced touch typists.

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(213) 390-3010

DISK DRIVES

C Ltd.
723 E. Skinner
Wichita, KS 67211
316-267-3807

22 megabytes	$ 999.95
33 megabytes	$1,249.95
44 megabytes	$1,499.95
50 megabytes	$1,599.95
60 megabytes	$1,999.95
80 megabytes	$2,499.95
150 megabytes	$3,299.95

Hard disk drives with plug-in compatibility with WORM and other drives; one-year warranty on parts and labor.

Commodore Business Machines
1200 Wilson Dr.
West Chester, PA 19380
215-431-9100

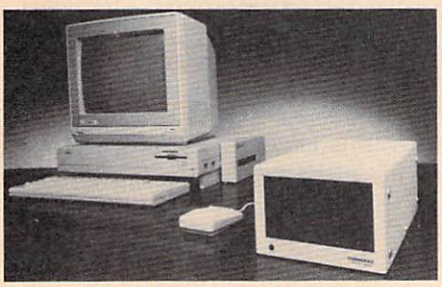
1010 $299.95
External, 3½-inch floppy disk drive.

1020 $399.95
External, 5¼-inch floppy disk drive with transformer.

Computer System Associates
7564 Trade St.
San Diego, CA 92121
619-566-3911

20-megabyte hard drive	$ 895.00
40-megabyte hard drive	$1,595.00
80-megabyte hard drive	$2,495.00

Support DMA software and operate at speeds as low as 8.3 milliseconds. Drives require a SCSI interface card, which is available from CSA for $595; the card supports seven devices.



The Comspec external hard drive for the Amiga 1000 uses either the 20 megabyte or 40 megabyte Seagate hard drive.

Comspec Communications
153 Bridgeland Ave., Unit 5
Toronto, Ontario
Canada M6A 2Y6
416-785-3553

SD20 $1,450.00
External, 20-megabyte hard disk drive for the Amiga 1000; automatically boots Kickstart and Workbench; battery backup clock to reset the Amiga clock; handles media defects; uses an intelligent SCSI controller chip; uses Seagate ST225N hard drive.

SD40 $1,850.00
External, 40-megabyte hard disk drive for the Amiga 1000; automatically boots Kickstart and Workbench; battery backup clock to reset the Amiga clock; handles media defects; uses an intelligent SCSI controller chip; uses Seagate ST251N hard drive with autopark.

Phoenix Electronics
P.O. Box 156
314 Court St.
Clay Center, KS 67432
913-632-2159

PFD 135 $229.00
External, 3½-inch floppy disk drive for Amiga 500, 1000, and 2000; 880K formatted per drive; 512 bytes per sector and 256 logical bytes per sector; 80 cylinders per disk; 30-inch connection cable included; one-year warranty.

PHD 500, 20 megabytes $949.00
20-megabyte hard drive for the Amiga 500. Uses SCSI interface command set with seven device-expansion and external pass-through capabilities; access time averages 35 milliseconds; one-year limited warranty.

PHD 500, 40 megabytes $1,399.00
40-megabyte hard drive for the Amiga 500. Uses SCSI interface command set with seven device-expansion and external pass-through capabilities; access time averages 35 milliseconds; one-year limited warranty.

PHD 1000, 20 megabytes $969.00
20-megabyte hard disk drive for the Amiga 1000; SCSI interface command set that allows seven-device expansion; access time averages 35 milliseconds; data transfer rate up to 4 megabytes per second; one-year limited warranty.

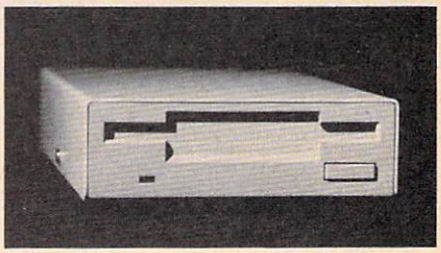
PHD 1000, 40 megabytes $1,429.00
40-megabyte hard disk drive for the Amiga 1000; SCSI interface command set that allows seven-device expansion; access time averages 35 milliseconds; data transfer rate up to 4 megabytes per second; one-year limited warranty.

Pioneer Computing
2469 East 7000 S. #200
Salt Lake City, UT 84121
801-942-1174

20 megabyte	$659.95
40 megabyte	$879.95
65 megabyte	$949.95

hard disk drives for use with the Amiga 500, 1000, and 2000; complete, true SCSI interface; fan-colled power supply; one-year warranty.

Floppy drive $159.95
floppy disk drive for use with Amiga 500, 1000, and 2000.



The ProDrive floppy disk drive has a spring-loaded door and a 27-inch attachment cable.

Progressive Peripherals & Software, Inc.
464 Kalamath St.
Denver, CO 80204
303-825-4144

ProDrive $239.00
External, 3½-inch disk drive for the Amiga 500, 1000, and 2000; includes 27-inch attachment cable; smaller in size than the Commodore 1010.

Supra Corporation
1133 Commercial Way
Albany, OR 97321
503-967-9075

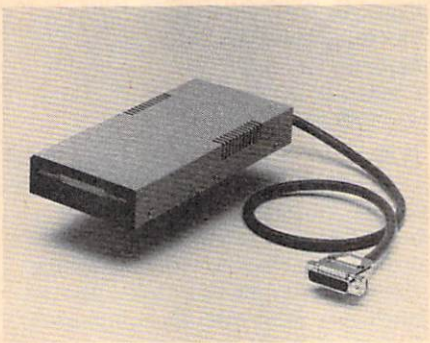
Add-On SCSI Drive $699.00
20-megabyte add-on SCSI hard disk drive.

FD-10 $1,095.00
Removable 10-megabyte floppy disk drive for the Amiga; uses 5¼-inch disks; each disk can hold 10 megabytes; data access takes 80 milliseconds; software and cables included.

SupraDrive hard disk drives from Supra Corporation are available with 20, 30, 60, or 250 megabytes of memory.

SupraDrive
20-megabyte $ 799.00
30-megabyte $ 995.00
60-megabyte $1,795.00
250-megabyte $3,995.00
External hard disk drives for the Amiga 500 and 1000; includes SCSI expansion port and RAM expansion capabilities; realtime clock with battery backup; Amiga Bus pass-through; CLImate program included.

SupraDrive Internal
20-megabyte $ 799.00
30-megabyte $ 899.00
60-megabyte $1,599.00
Internal hard disk drives for the Amiga 2000; direct memory access (DMA) interface; SCSI expansion port; CLImate program included.



The Master 3A from SCI is a 3½-inch disk drive for the Amiga 500, 1000, or 2000. It includes a 21-inch connecting cable.

Surfside Components International (SCI)
P.O. Box 1836
Capitola, CA 95010
800-548-9669

Master 3A $189.00
External, 3½-inch floppy disk drive for the Amiga 500, 1000, and 2000; can be daisy-chained; 21-inch cable included.

RAM MEMORY EXPANDERS

Memory expanders can increase the RAM memory of an Amiga from 512K up to more than two megabytes. Some of this additional memory is in the form of circuit boards or cards that can be inserted into the Amiga, and other expanders are stand-alone units that plug into one of the expansion ports. This list includes only those box-style RAM memory expanders that plug into the side of the Amiga 500 or 1000.

Access Associates
491 Aldo Ave.
Santa Clara, CA 95054-2303
408-727-8520

Alegra 512K $299.00
Memory expansion unit for Amiga 1000; 512K up to 2 megabytes; plugs into expansion bus; 90-day warranty.

Alegra 2MB $699.00
Memory expansion unit for Amiga 1000; 2 megabytes; plugs into expansion bus; 90-day warranty.

Byte by Byte
Aboretum Plaza II
9442 Capital of Texas Highway North
Suite 150
Austin, TX 78759
512-343-4357

Byte Box $299.95 (unpopulated)
512K $399.95
1-megabyte $499.95
2-megabyte $699.95
Expands memory for Amiga 500 from 512K up to 2 megabytes; contains its own power supply.

C Ltd.
723 E. Skinner
Wichita, KS 67211
316-267-3807

aMEGA $549.95
Memory expansion unit; 1 megabyte; pass-through design; one-year warranty on parts and labor.

Microbotics, Inc.
811 Alpha Dr.
Suite 335
Richardson, TX 75081
214-437-5330

Starboard2 $495.00
Memory and multifunction expansion for the Amiga 1000; adds from 512K to 2 megabytes.

Starboard2/500 $495.00
Memory and multifunction expansion for the Amiga 500; adds from 512K to 2 megabytes.

Palomar Peripherals
14580 High Pine
Poway, CA 92064

PPI-1000 $1395
Expansion unit for the Amiga 1000; 20 megabyte with 2 megabyte RAM; requires AmigaDOS 1.2; full-auto configuration; meets Zorro specifications; Amiga buss pass-thru; built-in power supply; real-time clock with battery backup; supports up to two 20- or 40-megabyte hard drives or floppy drives; DMA interface.

MicroBotics means Amiga™-Power!

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For the
Amiga 2000...

HardFrame/2000
Super Speed DMA SCSI Interface

If your application calls for super-speed uninterrupted access to your harddisk, HardFrame/2000 is your answer. This is a high-end, no holds barred SCSI interface that operates at bus speeds. With cable pinouts designed for compatibility with low cost Macintosh hard drives, one HardFrame/2000 can support up to seven devices. Word-length data transfer, FIFO buffering, true DMA, all mounted on a metal frame suitable for mounting standard SCSI 3.5" drives "hard-card" style (or, if you prefer, cable connected to a bay mounted or external disk). Available March/April. Suggested List price $329.

SB2000 Adaptor Card
StarBoard2 Portability

Large numbers of MicroBotics StarBoard2 owners have moved over to the A2000. To protect their investment in our technology we've made available a simple, low-cost adaptor card that permits the installation of a "de-cased" StarBoard2 inside the Amiga 2000 (in the first 100-pin slot). When adapted to the 2000, StarBoard2 is still fully functional autoconfiguring memory plus you get access to all the StarBoard2 MultiFunction options– StickyDisk, Math chip, parity or the new SCSI Module. Available now. Suggested list price is only $49.95.

8-UP! FastRAM
Maximum Memory in One Slot!

The FastRAM card that every Amiga owner will eventually come to –why limit yourself to the possibility of only two megabytes per slot when 8-UP! will take you all the way to the top of the autoconfiguration memory space of EIGHT MEGABYTES ! 8-UP! uses an exclusive MicroBotics-designed memory module, PopSimm, that frees the user to install his own, conventional DIP-style DRAM in standard SIMM sockets on 8-UP!. If you use 256k PopSimms you can install two megabytes on 8-UP!; if you install 1 meg PopSimms, you can install eight megabytes on one card! In either case you can install the memory chips yourself for maximum flexibility and mininum cost. 8-UP! will also accept conventional SIMM memory. 8-UP! is a power efficient, zero wait state, autoconfiguring design. 8-UP! will be available 2nd quarter of 88. Suggested list prices start at $195.

For the
Amiga 500...

M501 Memory+Clock
Half a Meg at a Great Price!

As we are all coming to realize, a 1-megabyte Amiga (at least) is a necessity not an option. When you add the inboard 512k memory and clock module to your A500, make it a MicroBotics-brand, plug compatible work-alike. It uses the exact same kind of memory and the exact same clock and battery. And note that just like Commodore and unlike some third-party expansions, we use a long-lived rechargeable Ni-cad battery by Varta– which you'll never have to replace! Set the MicroBotics clock using the same software (on your WorkBench disk) as you use for the Commodore clock. What's the difference? You get to keep $41 compared to the Commodore version. M501 has a suggested list price of only $159.

MicroBotics, Inc.

Great Products Since the Amiga Was Born!

811 Alpha Drive, Suite 335
Richardson, Texas 75081
(214) 437-5330

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Tell your dealer he can quick-order from MicroBotics directly – no minimum quantity –show him this ad!

StarBoard2/500
Two Megs and a Choice of Modules

The premier memory expansion for the A1000 is now available on the A500. In a sleek, redesigned case with an independent power supply strong enough to power StarBoard2 and another A1000-style StarBoard2, all the power and flexibility of this great expansion device is available to you. Up to 2 megabytes of autoconfiguring, zero-wait state FastRAM, MultiFunction or SCSI module capability for either math chip/StickyDisk functions or fast SCSI harddisk interfacing. StarBoard2/500 also has a unique LED diagnostic/confidence light to indicate the powered up state of your Amiga and your expansion memory. Another A1000 style StarBoard2 can be connected to the expansion bus pass-UP (it exits through the top of the case) for a total of FOUR megabytes of memory and two modules. Suggested list price $495 and up.

For the
Amiga 1000...

StarBoard2
The Expansion Product of Choice

The superb memory expansion for the Amiga 1000, still going strong! Up to 2 megabytes of zero-wait state, autoconfiguring FastRAM in a sleek, all steel Amiga-colored case plus the capability to accept either one of two daughterboard modules: the original MultiFunction Module or the brand new SCSI Module. StarBoard2 is powered by the bus (up to two StarBoard2's can be supported by the A1000) and passes it on. Available now; suggested list price $495 and up.

MultiFunction Module
High Tech at Low Cost

This "daughterboard" installs on any StarBoard2 (all three Amiga models). It features a socket and software to support the Motorola 68881 Math Chip as an I/O device (MicroBotics pioneered this approach on the Amiga –now directly supported in the math libraries in the new AmigaDOS1.3). StickyDisk gives you the most "bullet-proof" rebootable ram disk –its hardware write protection turns the whole device into a solid state, superspeed disk. alternately, parity checking of StarBoard2 memory can be enabled when extra parity RAM is installed. Finally, the MultiFunction Module carries an easy to use battery-backed clock to set your system time on start-up. Available now; suggested list price $99.95.

StarDrive Module
Speedy, Low-cost SCSI Interface

As an alternative to the MultiFunction Module, all models of StarBoard2 can accept this new hard disk interface. StarDrive affords you cost-effective, pseudo-DMA access to Macintosh compatible SCSI drives and other third-party SCSI devices. Fast, easy to install including driver software and disk diagnostics. StarDrive also has a battery backed clock to set your system time on boot-up. Available now. Suggested list price: $129.95

MouseTime
The Port Saving Clock

The easiest-to-use, most cost effective implementation of a battery-backed mouse port clock for the A1000. MouseTime passes the port through for joysticks or other devices. Complete with WorkBench software. Available now. Suggested list of $39.95.

"Amiga" is a registered trademark of Commodore-Amiga. "StarBoard2", StarBoard2/500", "HardFrame/2000", "8-UP!", "PopSimm", "StarDrive", and "MouseTime" are trade names of MicroBotics products.

SOUND DIGITIZERS

Perfect Sound *from SunRize Industries includes the software and hardware to turn the Amiga into a digitizing sound machine.*

Applied Visions
Suite 2200
One Kendall Square
Cambridge, MA 02139
617-494-5417

Future Sound $175.00
Audio digitizer; two separate digitizers (one for a microphone and one for direct-line input); volume control; visual multitrack editing system; up to four sounds or tracks in memory at one time; editing includes cut, copy, and mix from track to track; IFF compatible.

Mimetics Corporation
P.O. Box 1560
Cupertino, CA 95014
408-741-0117

SoundScape Sound Sampler $99.95
Audio digitizer that plugs into the second mouse port; file format larger than IFF files; multisamples in each octave; samples can be edited; loop length can be adjusted; graphic display of waveforms.

Sunrize Industries
3801 Old College Rd.
Bryan, TX 77801

Perfect Sound $79.95
Digital sound sampler that can record sounds in mono or stereo; editor can be used to delete, insert, graph, or flip sounds; IFF instruments can be created; two independent stereo channels; line-level signal input; rate varies from as slow as needed to 23,282 per second; uses the parallel or printer port.

VIDEO DIGITIZERS & FRAME GRABBERS

A-Squared Distributions, Inc.
6114 LaSalle Ave.
Suite 326
Oakland, CA 94611
415-339-0339

LIVE! $295.00
Frame grabber that captures NTSC video signals from camera, VCR, and TV; produces images in black and white, 32-colors, and 4096-color HAM; images can be saved and used in other programs; mouse controlled; features posterization, fades, colorkeying, and strobes; plugs into expansion bus; incorporates an RCA jack for connecting to other devices.

NewTek
115 W. Crane St.
Topeka, KS 66603
913-354-9332

Digi-View, 2.0 $199.95
A color image capture system for the Amiga 500, 1000, or 2000 and a video camera with 2:1 interlace; digitizes and displays images in up to 4096 colors in resolutions up to 640 x 400 pixels, using advanced graphics routines and dithering techniques; captures 21 bitplanes; enhances, prints,

NewTek's Digi-View *video digitizing system includes software, an interface, and a color-filter wheel.*

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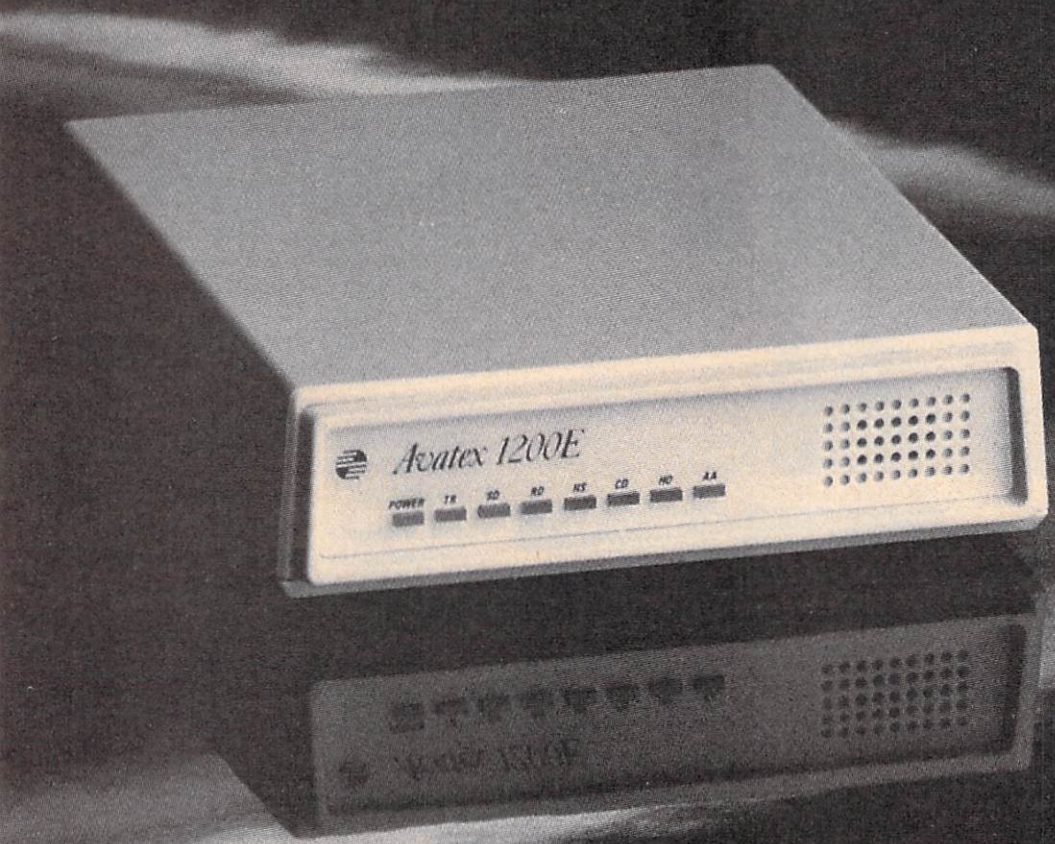

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Perfect Vision *from SunRize can be used to capture and digitize color or black-and-white images in real time.*

and saves images in IFF format; features hold and modify mode; color separation filter wheel included; attaches to Amiga parallel port.

Progressive Peripherals & Software, Inc.
464 Kalamath St.
Denver, CO 80204
303-825-4144

Frame Grabber $499.95
Video image digitizer that connects through the parallel port; captures color images from VCR or video camera in 1/60 second and stores images; editor can filter and enhance raw images, modify captured images, change brightness and contrast, change palette colors, filter image noise, and sharpen edge details; 320 x 400 color resolution with overscan in 640 x 400 black and white; images saved in IFF format or as raw RGB images.

Sunrize Industries
3801 Old College Rd.
Bryan, TX 77801
409-846-1311

Perfect Vision $219.95
Realtime video digitizer to use with Amiga 500, 1000, and 2000; accepts input from color or black-and-white VCR or video camera; digitizes image; displays camera images in 4096 colors or any image in 16 gray scales; stores images as IFF files; captures in 1/60 second; supports 320 x 200 and 320 x 400 HAM and 16-color modes; color filter wheel is included; plugs into parallel port.

GENLOCK

A genlock is used to overlay graphics created by the Amiga with graphics from another video device, such as a camera or videotape deck. The combined graphics can then be displayed on the monitor or output to a VCR. Genlocks can also be used to combine audio signals from the computer and external sources such as a stereo system.

Commodore Business Machines
1200 Wilson Dr.
West Chester, PA 19380
215-431-9100

Genlock 1300 $299.95
Accepts RS-170 composite, stereo audio lines, and Amiga computer signals; outputs include composite, RGB video, and stereo audio signals; overlays graphics on an external video image; works by substituting color 0 with the image from the external source; adjusts source hue, position of the video under computer graphics, and balance of the audio.

Digital Creations
1333 Howe Ave.
Suite 208
Sacramento, CA 95825
916-344-4825

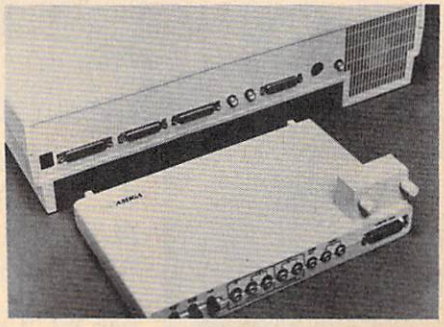
SuperGen $749.95
Produces broadcast-quality video output; uses RS-170A; two independent fade controls adjusted by slider or software; selectable autofade mode; internal or external blanking; works with Amiga 500, 1000, or 2000.

Mimetics
P.O. Box 1560
Cupertino, CA 95014
408-741-0117

ImaGen $179.95
Plugs into RGB port and has RGB thru connection; allows synchronization and overlay of graphic images from Amiga with images from VCR, broadcast, or camera video; interfaces with video switcher and special-effects generator; composite color video output for Amiga 500; no vertical or horizontal image shift; NTSC and PAL versions available.

NewTek Inc.
115 W. Crane St.
Topeka, KS 66603
913-354-1146

Video Toaster $799.00
A genlock is included in this real-time video digitizing system; genlock has broadcast-quality RS-170A; frame capture captures and displays color video images at 60 times per second and supports all resolution modes, HAM, and half-bright; video effects include page flips and turns, spheres, montage, transpositions, blinds, pixelizations, fish-eye, mosaic, and stop motion.



Commodore's Genlock 1300 has plugs for video and audio input and output and connects to the RGB socket of the Amiga.

Progressive Peripherals & Software, Inc.
464 Kalamath St.
Denver, CO 80204
303-825-4144

ProGEN $399.95
Can be controlled by software; uses custom VLSI chip technology; provides composite and NTSC color video output for all Amigas; transfers images from Amiga to VCR; connects to RGB; meets or exceeds RS-170A standards; stand-alone unit.

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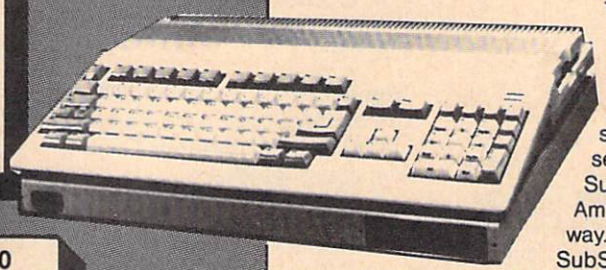

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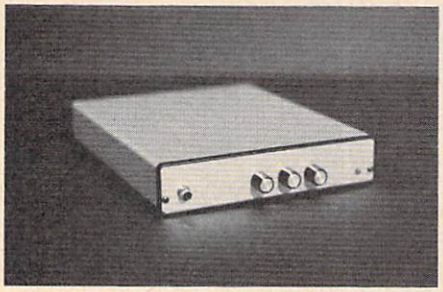


ProGen from Progressive Peripherals merges Amiga and video graphics by replacing color 0 on the Amiga with the video input.

Sci-Tech
1450 NW 78th Ave.
Miami, FL 33126
305-591-1620

Genkey NTSC $745.00
Standard model supporting 220 lines of resolution; plugs into the RGB port.

Genkey Super VHS $995.00
Supports over 400 lines of resolution; plugs into the RGB port.

INPUT DEVICES

Most joysticks and input devices compatible with the Atari 8-bit series or the Commodore 64 can be used with the Amiga. Plus, a number of input devices have been designed that take advantage of the Amiga's advanced graphics capabilities. Mouse devices are not included in this listing because the Amiga is equipped with its own mouse.

JOYSTICKS

Ace 1-Button. One fire button on top of base; large control stick; eight-position control. Product no. 820049. Kraft. $5.85.

Bat Handle. Six-leaf switch assembly; two fire buttons (one on the stick and one on the base); limited two-year warranty. WICO. $19.95–$24.95.

Black Max. Big grip-style handle with a stick-mounted fire button; heavy-duty, shielded cable for minimum screen interference; designed for hand-held or tabletop use. WICO. $9.95–$11.95.

The Boss. PC board with five built-in leaf switches; grip-style handle with thumb fire button; four nonskid rubber feet; five-foot cord; limited one-year warranty. WICO. $14.95.

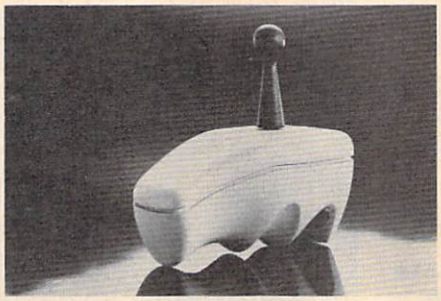
Competition Pro Model 300X. Two fire buttons on the base, one on top, and a trigger-finger button; grip-style handle; four suction cups on base; two-year warranty. Control Marketing. $12.95.

Competition Pro Model 1000. Red fire bar on sloped base; fluted control stick; two-year warranty. Control Marketing. $4.95.

Competition Pro Model 5000. Two base-mounted fire buttons; ball-style control stick with steel shaft; microswitch control; two-year warranty. Control Marketing. $16.95.

Economy. One fire button on the base; eight-position control; 90-day limited warranty. Suncom. $5.99

Epyx 500XJ. Designed to fit into the palm of the hand; trigger-finger fire button; five microswitches mounted at the top of the base for quicker response; clicks in eight positions; guaranteed for 10 million uses. Epyx. $16.99.



The Ergostick from WICO is ergonomically designed to fit into the palm of a player's hand.

Ergostick. Ergonomically designed to fit into the player's hand; hand-molded plastic surface with skin-like texture; fire button is next to the index finger. WICO. $24.95.

Hot Stuff. Grip-style handle; two fire buttons on base and two on stick; autofire feature; four suction feet; assortment of colors (pink/almond, blue/almond, green/almond, and yellow/black); one-year warranty. Beeshu. $9.95–$12.95.

MazeMaster. Selector for four-way or eight-way operation; positive stick mechanism; rapid-fire button (one- or two-button versions available); eight-foot cable; one-year limited warranty. Product no. 820013. Kraft. $9.95.

MazeMaster Switch-Hitter. Two flat fire buttons; positive stick mechanism; eight-foot cable; either four-or eight-way stick motion. Product no. 820014. Kraft. $11.95.

MicroFlyte Joystick. Proportional control joystick for use with Flight Simulator II; the main stick and four other switches control throttle, brakes, guns (WWI mode), flaps, elevators, and aileron and rudder; plugs into the mouse port; operates with software that uses the mouse controller; standard pointer control with variable speed; variable sensitivity adjustment control; manual included. Microcube. $119.95.

MicroMaster. Four fire buttons; grip-style handle; built-in microswitch and precision control; 90-day warranty. Camerica. $24.99.

QuickShot I. Top- and base-mounted fire buttons; contour grip; suction cups to secure it to the tabletop. Spectravideo. $5.95.

QuickShot II. Trigger finger and top fire buttons; contour grip; autofire capability; securing suction cups. Spectravideo. $7.95.

QuickShot IV. Top- and base-mounted fire buttons; three interchangeable grips (contour, ball, and standard); suction cups on the base. Spectravideo. $13.95.

QuickShot Turbo. Trigger-finger and top-buttons; contour grip; microswitch control; autofire capability; suction cups on the base. Spectravideo. $16.95.

Red Ball. Red-ball grip that moves to eight positions; six leaf-type molded switches; two fire buttons activated by a base-mounted slide switch; four rubber grip pads on the bottom; one-year warranty. WICO. $19.95–$24.95.

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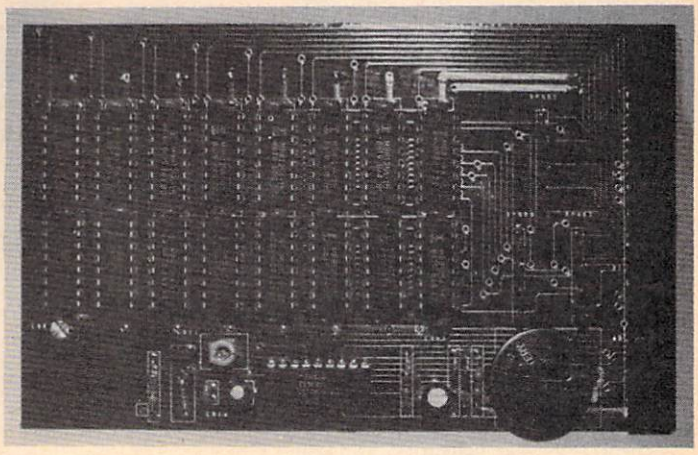

Creative Microsystem's Amiga 500 memory expansion card provides a quick way to increase your computers memory to a full one megabyte. Easily installed in your computers internal expansion slot, the additional 512K of RAM gives your machine the elbow room it needs for advanced graphics and sound applications. Also, a battery-backed up clock calendar updates your system time via the standard Amiga system software.

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Slik Stik. Base-mounted fire button; red-ball control stick with eight-position control; 90-day limited warranty. Suncom. $7.99.

StarMaster. Grip-style handle; eight-position control; fire button on the base and one on the handle; rubber suction on the base; designed for use with personal computers and video game systems. Product no. 820101. Kraft. $6.95.

Super Three-Way. Gate-lock control to adjust from four to eight positions; three interchangeable handles (red ball, grip, and bathandle); 16 different playing options; two fire buttons; one-year limited warranty. WICO. $29.95.

Tac2. Two base-mounted fire buttons; ball-type stick with eight-position control; two-year warranty. Suncom. $13.99.

Tac3. Pistol-grip stick; two fire buttons on the base and one on the handle; two-year warranty. Suncom. $15.99.

Tac5. Three fire buttons (two on the base and one on the handle); eight-position microswitch control; limited lifetime warranty. Suncom. $19.99.

Terminator. Arcade-style steel-shaft handle; two fire buttons; five-foot cord; 90-day warranty. Camerica. $19.99.

Turbo Charge. Four fire buttons (two on the stick and two on the base); grip-style handle; eight-position control; 90-day warranty. Camerica. $14.99.

Ultimate Superstick. Arcade-style joystick; microswitch control; four fire buttons for right- or left-handed play; two controls for fast or slow-motion autofire; slow motion feature; four LED's on fire buttons; ball-type stick; six suction feet; long cord. Product no. 20804. Beeshu. $32.95–$34.95.

Viper. Grip-style handle; two fire buttons on base and two on stick; microswitch controls; two-year warranty. Product no. 70701. Beeshu. $14.95–$16.95

Winner 100. Arcade-type joystick; grip-style handle; fire button on top of stick and base. Contriver. $6.95.

Beeshu's Ultimate Superstick has a ball-style stick with four trigger buttons, two speed controls, and auto-fire controls.

Winner 220. Grip-style handle; two fire buttons on the base and two on the stick; microswitch controls. Contriver. $16.95.

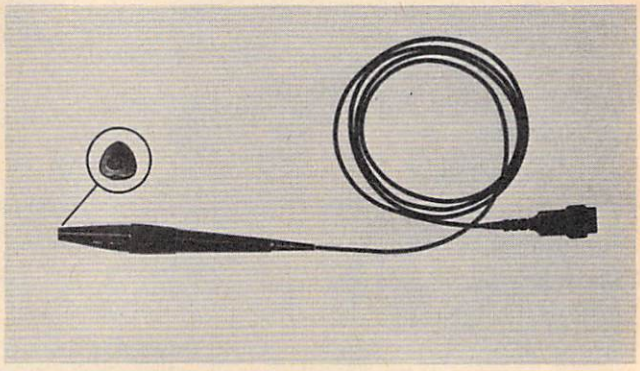
Zipper. Stick-type handle; fire button on base; eight-direction control; long cord included; one-year warranty. Product no. 30300. Beeshu. $7.99–$9.99.

DRAWING DEVICES

184-A Light Pen. Ergonomically designed trilobular shape, two touch-actuated switches; works with Amiga programs using standard Intuition pointer interface; light-pen driver program features zoom scroll; driver can be run from CLI or Workbench. Inkwell. $129.95.

AproCAD. Four-button puck with crosshairs; use for pick, carry, and place interaction in CAD and 3-D or 2-D modeling; optional device to add to AProDraw packages. R & DL Productions. $99.00.

The 184-A light pen from Inkwell Systems has a tri-lobular tip and two touch-surface switches.



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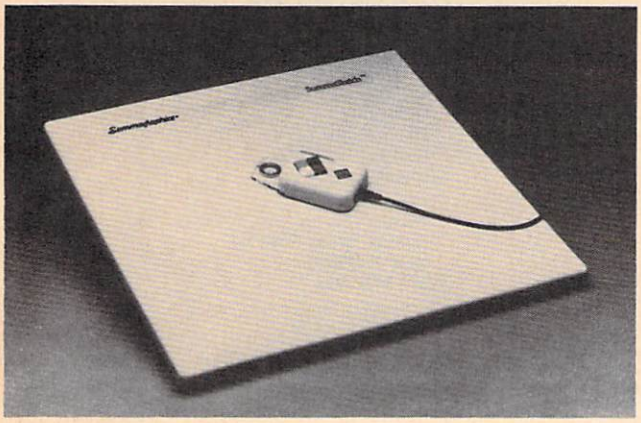
AProDraw 961. Drawing package including 9 x 6-inch SumaSketch drawing tablet, power supply, driver software, and two-button stylus; tablet interfaces to serial port of Amiga 500, 1000, or 2000; maps congruently to the screen; MM-format driver works with multitasking, mouse-driven programs; 90-day warranty. R & DL Productions. $449.00.

AProDraw 1201. Drawing package including 12 x 12 inch SumaSketch drawing tablet, power supply, driver software, and two-button stylus; tablet interfaces to serial port of Amiga 500, 1000, or 2000; maps congruently to the screen; MM-format driver works with multitasking, mouse-driven programs; 90-day warranty. R & DL Productions. $549.00.



AProCAD from R & DL Productions includes a software driver program, the SummaSketch graphics tablet from Summagraphics, and a four-button puck with cross-hair for CAD and 3-D modeling.

EASYL. Pressure-sensitive drawing pad; draw, sketch, or trace onto the pad using a regular pencil and drawing paper; works with 1.2, mouse-based Amiga software in all resolutions; mouse buttons on the pad frame can be used instead of a mouse; connects to expansion port; pass-through design; teflon-coated stylus included; driver program loads onto Amiga programs and has autoconfig capabilities. Anakin Research. $499.00.

Penmouse. Cordless pen with plastic stylus to use with thin graphics tablet; graphics tablet connects to serial port of Amiga; pen can replace mouse control when used with the driver program, Pencraft. Kurta. $295.00. (Kurta manufactures a line of graphics tablets for the Amiga; however, additional product information was not available at press time.)

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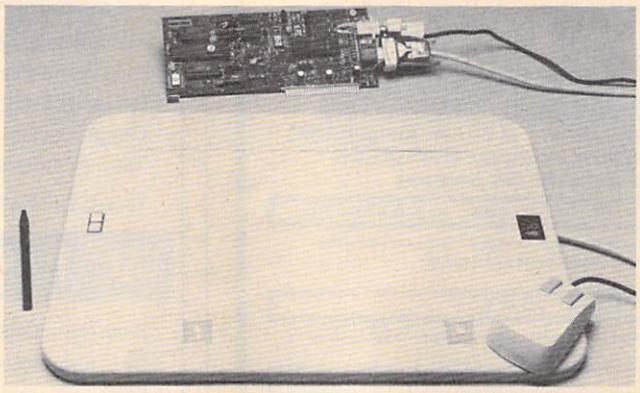

Using Anakin Research's EasyL drawing pad, computer artists can draw directly into the computer with a pencil and paper, or use the mouse buttons to perform Workbench functions.

OTHER

The Lip Stik Plus. A voice-activated control headset to be used with a joystick in playing games; joystick plugs into the Lip Stik Plus; uses a switched-voltage, positive-feedback controlled amplifier; included in packages of Echelon. Access. $24.95.

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Woods Cross, UT 84087
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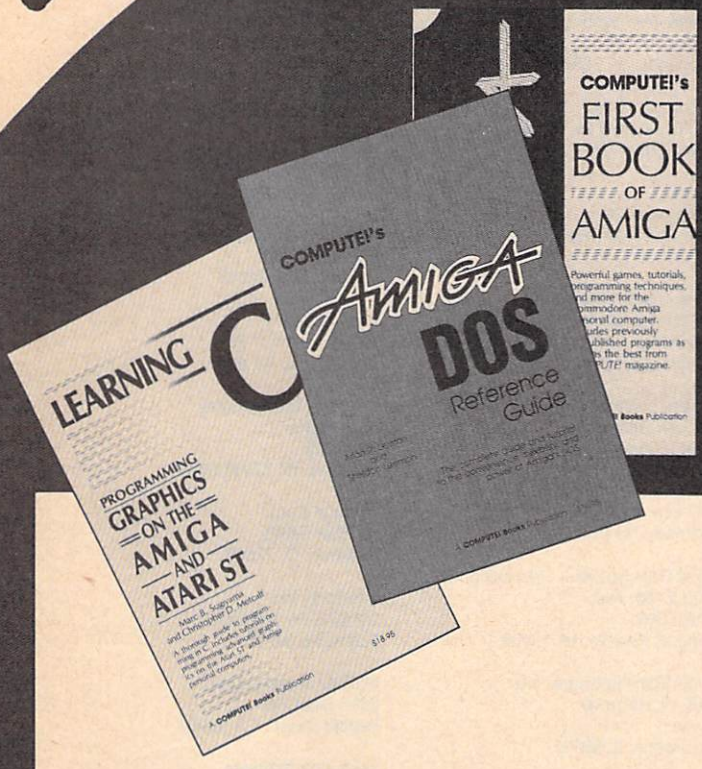

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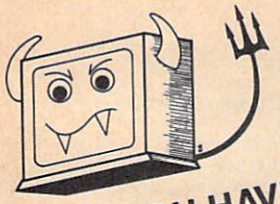

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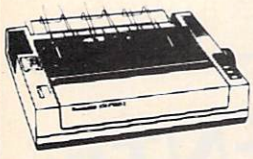

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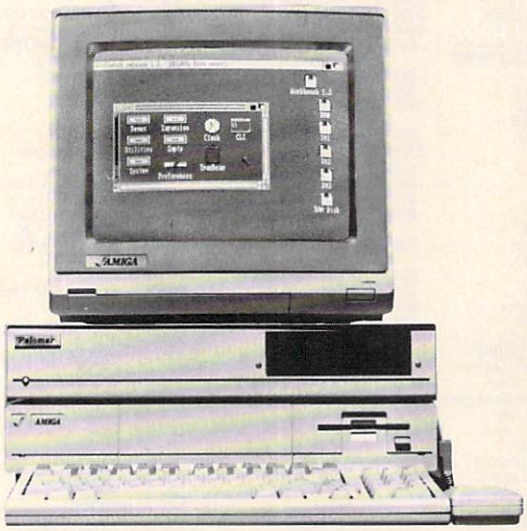

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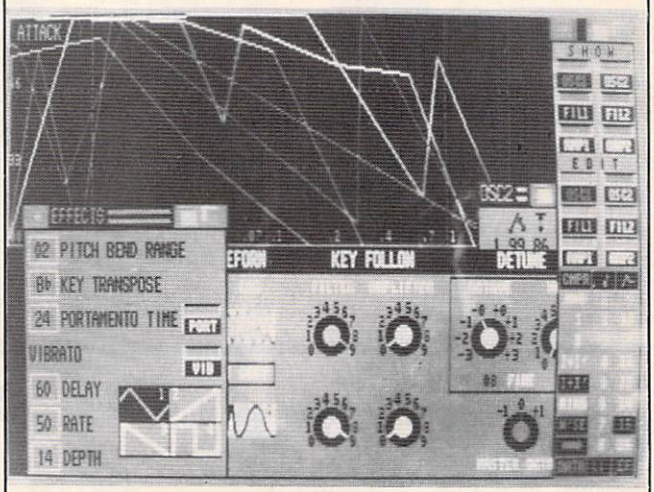

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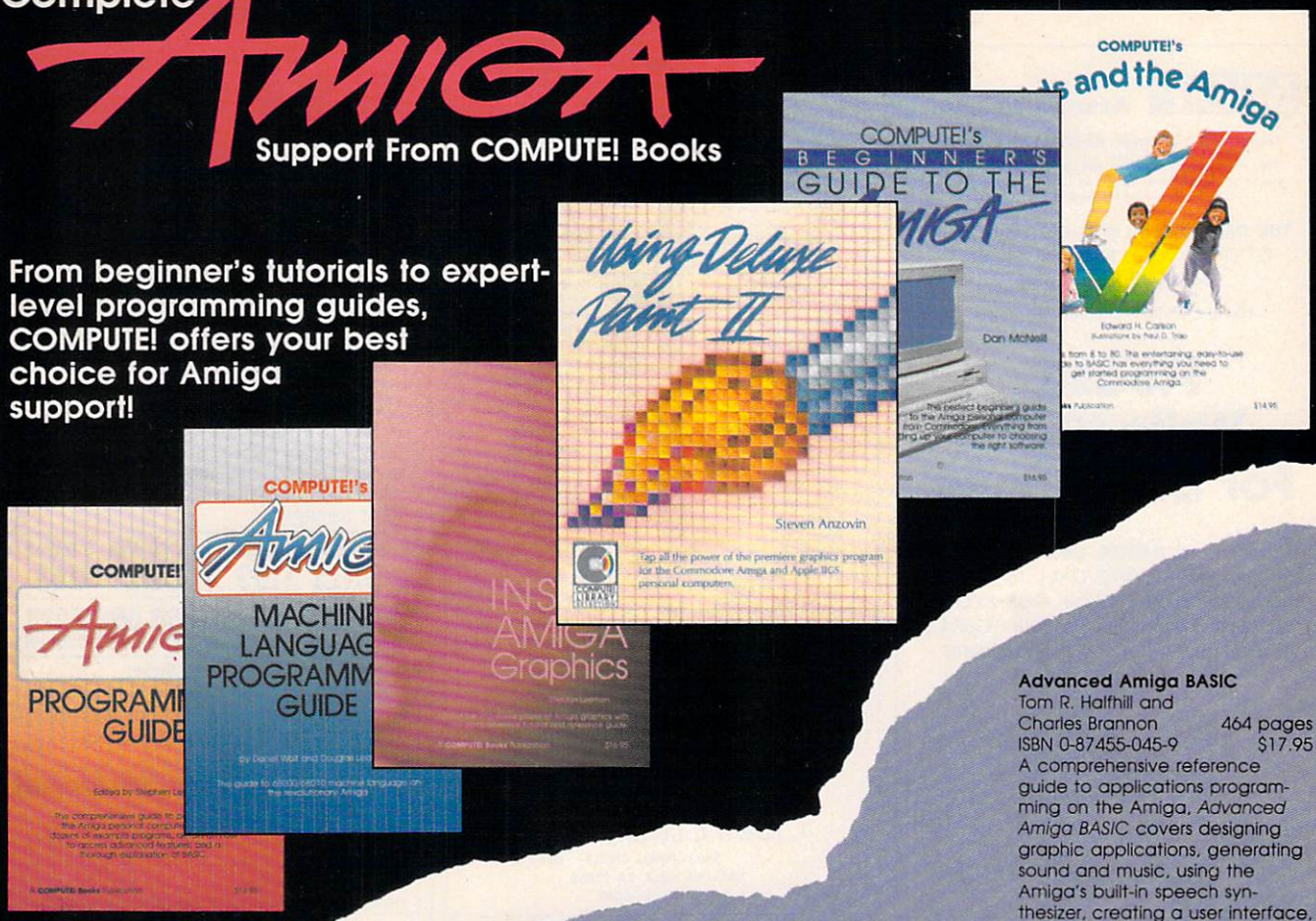

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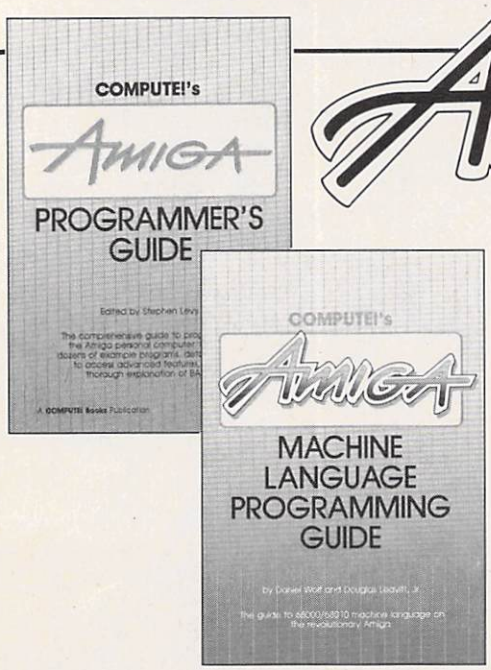

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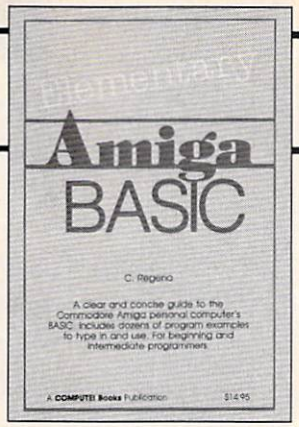

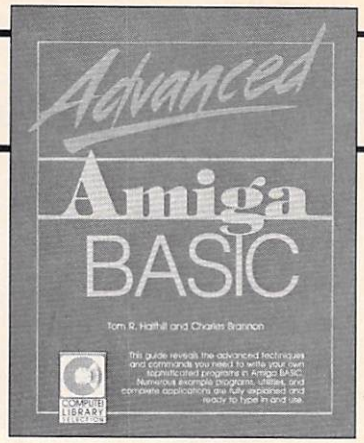

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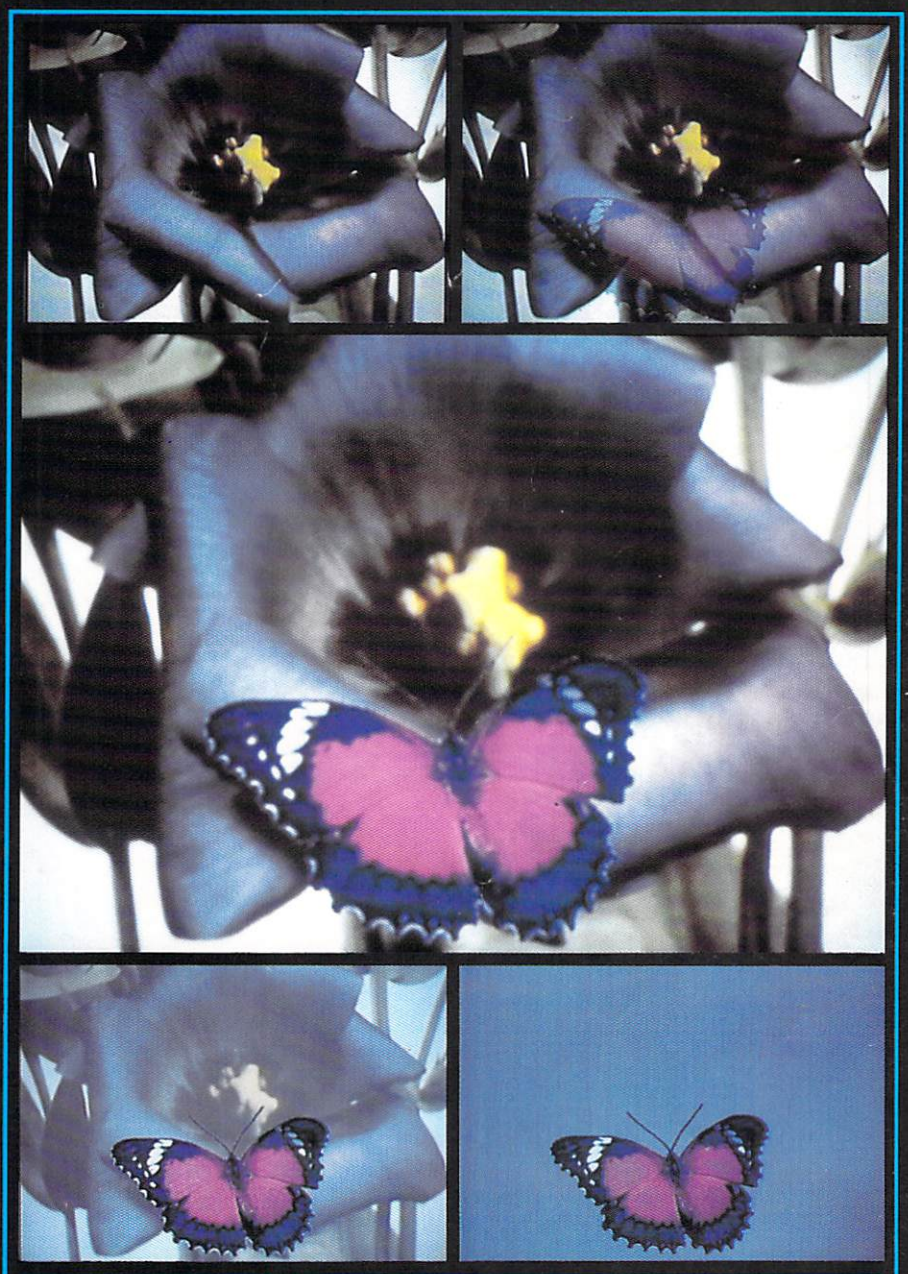

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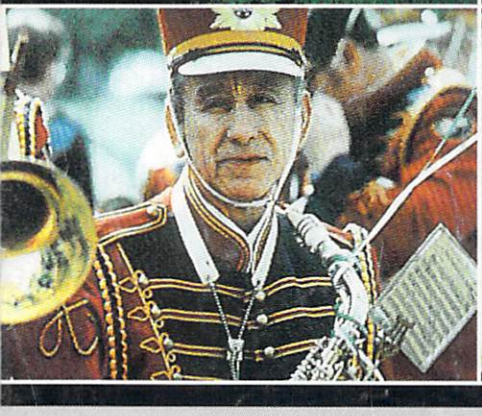

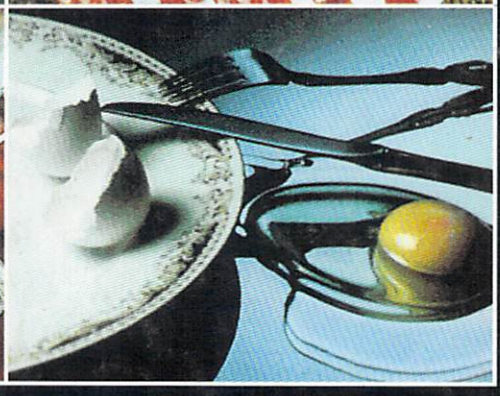

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