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# **Chapter 1**

# 1992

# 1.1 AC

Amazing Computing Magazine Article Index Volume 7 1992

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by Sam Ammons

Memory Expansion for your 500 can make working with your Amiga more productive and less frustrating.

Help for the Help Key ...28

by Rick Manasa

The Help Key Solution can clean up your work space, and help you to spend less time buried in your manuals and more time at your computer.

European Amiga Excitement ...48

Over 75,000 Amiga enthusiasts visit Cologne, Germany's Amiga '91 and over 43,000 crowd London's World of Commodore to break all previous attendance records. Attendees at both events were greeted by Amiga vendors from around the world with Amiga products for every Amiga user.

# Reviews

The Personal Single Frame Controller ...24

by Frank McMahon

One of the most impressive products of the year, The Personal SFC from Nucleus Electronics puts professional and affordable video results within the reach of the average Amiga user.

DiskmasterII ...30 by Rich Mataka

The author calls this upgrade, released without much fanfare, the ultimate file management utility.

The Buddy System ...41

by Chuck Raudonis

As an on-line real-time guide to the Amiga, The Buddy System is much more than just a tutorial; it's a real friend.

Pixel 3D 2.0 ...55

by R. Shamms Mortier

This latest release of Pixel 3D from Axiom Software, with major upgrading from version 1.0, approaches the "can't do without" category of software.

### Projects

Getting the Most From Your RAM Disk ...38

by Keith Cameron

Still finding yourself frequently swapping disks into and out of DF0:? Place your most-often used AmigaDOS commands into a RAM disk directory.

Installing and Using an IBM Mouse With Your Amiga  $\dots$ 43 by Phillip R. Combs

Replacing your worn-out Amiga mouse with an IBM-compatible can offer several advantages including comfort and quality.

#### Columns

New Products and Other Neat Stuff ...10

by Timothy Duarte

Find out about the new AmigaVision update; travel back to 1885 in Back to the Future III; learn about Electronic Arts' Deluxe Paint IV, a few new Bible study programs, and the IDS Multiboard that allows up to 32 users on-line at once.

Bug Bytes ...58

by John Steiner

New upgrades for both Professional Page and The Art Department Professional; compatibility problems with PageStream, GVP accelerator, and HP LaserJet.

Diversions ...81

Race Street Rod 2, the ultimate street racing simulation; try to escape a galactic prison in Captive, a futuristic version of Dungeon Master; brave the dangers of Central America in search of The Gold of the Aztecs; plan your garden with CDTV Garden Fax, which picks suitable plants determined by user-specified criteria.

Roomers ...85

by The Bandito

Commodore sells its three-millionth Amiga, lowers prices for Christmas. The CD-ROM war heats up. Coming soon: fax capability for your Amiga, compliments of Supra.

### Programming

DePuzzle ...52

by Scott Palmateer

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Try this general-purpose puzzle-solving program for a variety of brain-teaser puzzles.

ZipTerm ...66
by Doug Thain

Learn how to use Amiga Console.device and Serial.device while creating a useful telecommunications terminal program.

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Too Many Shows

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And Furthermore ...96 by Timothy Duarte Judith Gefter: Computographer

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MIDI Quest or X-oR ...31 by Rick Manasa

Which is better for you? Rick compares the strengths and weaknesses of both.

Deduct That Interest with FC CALC  $\dots$ 38

by Rick Manasa

Use FC CALC to assign the correct percentages of finance charges to your personal and business credit card charges.

Finding the Right Multimedia Fit ...42

by Dave Spitler

A look at presentation packages and authoring programs which allow new users to create applications quickly and easily.

Show Report ...47

Super show coverage from the World of Commodore in Toronto. See what's hot and what's not.

Images in Dentistry ...57
by Dr. Ken Larson

Using an Amiga/Toaster combination to present before and after treatment images that assist patient education.

Amiga on Call ...61

by Dale B. Call, M.D.

Besides handling the day-to-day routine, the Amiga in this doctor's office is used to produce OB/Gyn patient education videos.

Signmaking on the Amiga ...63

by Karen Pringle

Scan logos, integrate type, and output to a vinyl cutting plotter to produce promotional material, signs, and truck lettering.

Grass Roots Amiga ...71

by William L. Roberts

While most small business owners overlook the Amiga, this landscaping business uses an Amiga 500 for all its business purposes.

Perfect Pages ...88

by Joe Vidueira

How to produce Postscript-quality pages without buying a Postscript laser printer.

### Reviews

X-oR ...18

by Rick Manasa

Dr. T's universal system exclusive orchestrator can maximize your MIDI setup by allowing you to organize, create, edit, and audition sounds for every piece of MIDI-equipped gear you own.

Personal Write ...22

by Paul Larrive

Centaur Software's new word processor, Personal Write offers an alternative to the high cost of high-end word processors.

Directory Opus ...26

by Merrill Callaway

INOVAtronics' Directory Opus is a directory utility so intuitive it's a paragon of user friendliness.

40/4 Magnum ...34

by Matt Drabick

Computer Systems Associates' 40/4 Magnum accelerator card for the Amiga 2000 series is designed to make the Amiga competitive with high-end 3-D graphics and animation systems in speed at a substantially lower cost.

Secretary ...35

by Chuck Raudonis

Expert Services' Secretary turns your Amiga into a personal secretary that will keep track of your appointments, and organize both your phone database and your to-do list conveniently and efficiently.

### Columns

New Products and Other Neat Stuff  $\dots$ 8 by Timothy Duarte

Check out the new Amiga software and hardware items in this month's column. There's a slew of new games, including Arachnophobia, Dick Tracy, Sports Challenge, Speedball 2, Team Suzuki, and two new games based on The Lord of the Rings. The DKB 2632 and GVP's Digital Sound Station are only a few of the hardware highlights.

ARexx ...52

by Merrill Callaway

Using ARexx to Translate Number Bases and Character Codes.

Bug Bytes ...69

by John Steiner

Problems with compatibility between FontCacheX and DeluxePaint IV. Saving files in Pelican Press' banner function. Compatible driver for the Genius mouse. Delphi Noetic Systems announce the release of F-Basic 4.0 and F-Basic Source Level Debugger.

Medley ...74

by Phil Saunders

This month's column explores ways to use Bars & Pipes Professional's Pipeline and Create A Tool features effectively in your music.

Roomers ...76

by The Bandito

Amiga 500 Plus compatibility argued in the UK. Predictions: lower prices for the 500, 2000, 3000 lines and CDTV. Amiga 4000?—not by the end of the year. Fewer but better game titles in the future. Easy—to—use, visually—based video editing software.

### Diversions ...82

You'll have to re-learn the pieces and re-think your chess playing strategies to play Battle Chess II: Chinese Chess. Fantastic Voyage is based upon the 1966 Sci-Fi movie of the same name. Become a corporate giant in Big Business. Altered Destiny is a good introduction to the state of the art in adventure gaming. Free King Graham's family and restore his kingdom to its former glory in King's Quest 5. And finally, ransom parts of your brain with Spam while defending yourself from pieces of meat by throwing fish in Monty Python's Flying Circus.

### PD Serendipity

Mines, maps, and more are featured in the latest Fred Fish Disks and, although not public domain, Psygnosis, Ltd.'s special Lemmings demo offers a free taste to Lemmings addicts.

# Departments

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An Anniversary

Is 1992 the Year of the Amiga?

Is This the Change Now?

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EA Responds to User Problem

Hawaii Gets AHUG

Well Toasted Musician

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A Canadian Concern

Public Domain Software ...94 Fred Fish 550-580

And Furthermore ...96

by Jeff Gamble

Students from the Burnell School in Bridgewater, Massachusetts, are using Amigas in the classroom and learning valuable lessons in productivity and creativity.

# 1.4 AC V7.3 March 1992

Reviews

DeluxePaint IV ...15

by R. Shamms Mortier

With new options and capabilities, Electronic Arts' DeluxePaint IV offers some very good reasons why you should upgrade.

Miracle Piano Teaching System ...18

by Christopher Piper

Miracle Piano Teaching System combines hardware and software for an innovative approach to learning the piano that's fun.

Scenery Animator ...22

by Frank McMahon

More than an upgrade, Scenery Animator is a completely new, feature-packed 3-D landscape animation program.

Real-3D Pro 1.4 ...24

by R. Shamms Mortier

The "best Amiga 3D software in Europe" has arrived in North America with the capability to turn the draftsman's vision into colorful and believable 3-D reality.

MegAChip 2000/500 ... 28

by James Botelho

A review of DKB Software's 2MB chip RAM expansion board for the  ${\tt A500/A2000}$  user.

Epson EPL 7500 ...34

by Merrill Callaway

A quality PostScript laser printer for your Amiga that comes standard with 2MB RAM and 35 fonts.

MultiStart II Board ...39

L.S. Lichtmann

DKB Software's MultiStart II allows Amiga users to switch back and forth among three operating systems from the keyboard.

Video Blender ...40

by John Steiner

Unlike The Toaster, Video Blender can blend video signals in some truly unusual ways.

Interface Design Kit v1.5  $\dots$ 53 by Dave Spitler

INOVAtronics' collection of clip art has all of the elements that interactive programmers will need to build the classiest screens ever.

In This Issue

Do You See a Change in Color? ...52

by John Iovine

Do we really need 24-bit color or has color resolution already passed the point of the human eye's ability to perceive it?

"Semi-Automatic" Painting and Animation ...56

by Kevin Lude

All you need is a good eye, a sharp imagination, and the ability to draw a single straight line.

Screen Photography ... 58

by Patricia Murphy

Patricia Murphy offers more than just tips to producing hardcopies of your Amiga masterpieces. It's a short course in successfully photographing computer screens with a 35mm camera.

Programs That Work ...66

by Dave Spitler

First in a series of multimedia tutorials, Part 1: Graphics and Logic looks at programming structures and creates two simple programs with the reader.

Show Report ...71

1992 Winter CES in Las Vegas. See the future of consumer electronics at a glance, featuring Commodore and the latest Amiga products.

Columns

New Products and Other Neat Stuff ...8

by Timothy Duarte

Check out this month's batch of new products. Emulate an IBM with the CrossPC and CrossDOS package, utilize the interactive computer algebra system used in Maple V for AmigaDOS 2.0, or jazz up your video productions with VideoFonts. For entertainment, there's ELF, Darkman, Leander, and more.

Medley ...46

by Phil Saunders

This month Medley looks at audio digitizing to produce instruments for  $\mbox{\sc Amiga music programs.}$ 

The Video Slot ...50

by Frank McMahon

Introducing a new monthly column designed to improve your Amiga video (whether you're just starting out or working at a television studio) by reviewing new products, tutorials, hints, and tips.

CLI Directory ...60 by Keith Cameron

Review basic principles and use of the CLI environment with its extra power and other benefits.

Roomers ...68

by The Bandito

The Bandito may be irreverent but never irrelevant! This month, Commodore's head honchos take it on the chin.

Bug Bytes ...75

by John Steiner

The latest in hardware and software tips, workarounds and upgrades for the Amiga user.

Diversions ...82

Waking up after seven years of cybernetic sleep is tough, but then finding yourself Spacewrecked 14 billion light years form Earth is enough to ruin anyone's morning. Arachnophobia brings out the spider-stomping crusader in all of us. Oh No! More Lemmings should prove to be as popular as the original with 100 new levels of game play. Conflict: Middle East pits Arab against Israeli. In Silent Service II you command a World War II submarine. Murder! is a whodunit with up to three million cases. Action Stations! is a serious naval surface warfare simulator.

ARexx ...90

by Merrill Callaway

This month's column looks at iterative technique and offers a simple program that demonstrates recursion in ARexx by solving a famous brain teaser.

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Version 2.0 KickDOS.Bench?

Propeller Heads=UNIX Professionals?

GAC Has Demonstrated WordPerfect in Halls, at Stalls and Malls Analyzing Ammons, Cameron, Manasa, Thain, and The Bandito. An Amiga Trade Show in Davenport, IA?

Public Domain Software ...94 Fred Fish 561-590

And Furthermore ...96

by Jeff Gamble

Nickelodeon's Nick Arcade

A super new game-show produced with the help of the Amiga.

Graphic Art SPECIAL ...47 Gallery of Amiga Artists

# 1.5 AC V7.4 April 1992

Reviews

The ATonce-Plus, Part 1 ...18 by Richard Mataka The author says the Plus runs IBM business software and plays IBM games faster than the original board, while multitasking with Amiga software with no problems whatsoever. Art Department Professional v2.0 ...23 by Merrill Callaway Now your can have WYSIWYG in this update to an indispensable image-processing program. RayDance ...25 by Frank McMahon Create dazzling scenes with this highly versatile 3-D rendering language from Radiance Software. Chart & Graphs ...28 by William M. Frazier Create more than what a spreadsheet usually can with TRSL's Charts & Graphs. ProWrite ...30 by Rick Broida A look at the latest update to the popular word processor from New Horizons. ProVector ...34 by Jeff James Learn how this professional illustration program compares with similar Amiga programs, and even with programs for other platforms. ATOP's 2286 BridgeBoard Extender ...37 by Richard Mataka Infuse zip and life into your Amiga as you emulate an IBM with ATOP's new extender. Foundation ...40 by Dave Spitler Do you know that the concept for this authoring system for the Amiga began with HyperCard, a program for the Macintosh? Video Director ...53 by Frank McMahon Grab your camcorder, boot up the Amiga, and launch your own directorial career! In This Issue Programs That Work, Part 2 ...45 by Dave Spitler Prepare the data base for a quiz game along the lines of Star Trek Trivia.

Producing a Video ...48

by D.L. Richardson

See how a well-known videographer and self-professed straight man achieved spectacular results and special effects producing ANIMATION 101 on his Amiga.

Making a Video ...50

by Patrik Beck

With the Amiga and the facilities of your local cable TV studio, you can make a music video just like the big guys on MTV!

Hardware Projects

Building a Multi-Sync Monitor Adapter ...43

by John Iovine

To end constant cable swapping, do-it-yourselfers can easily make a multi-sync monitor adapter following the author's easy recipe.

#### Columns

New Products and Other Neat Stuff ...10

by Timothy Duarte

Amiga products keep piling in! Enter the ring and fight your opponent in 4-D Boxing, fly 40 different aircraft in Birds of Prey, or manage your own baseball team in Microleague Baseball. Solve some math problems in Mark's Mathlab, learn about Agfa's scalable typefaces, or discover Rashumon, a word processor that supports four languages.

The Video Slot ...56

by Frank McMahon

Get the most from Imagine using three 3-D help supplements.

ARexx ...60

by Merrill Callaway

Master every aspect of pixels and images using  $\operatorname{Art}$  Department  $\operatorname{Pro}$  and  $\operatorname{ARexx}$ .

cli Directory ...62

by Keith Cameron

Program your Amiga's start-up sequence to reveal your own personality!

Medley ...72

by Phil Saunders

This month's column takes a look at public domain software for the Amiga MIDI musician.

Bug Bytes ...74

by John Steiner

You'll need to contact Unili Graphics for support of Broadcast Fonts 3D rather than Impulse, Inc. these days. Find out why Quarterback 4.3 isn't creating links with 2.0, and discover the existence of and fixes for other bugs.

Roomers ...76

by The Bandito

How does the downing of a publishing tycoon affect the computer industry? Diversions ...82 Try your hand at Bill Elliot's NASCAR Challenge, a racing simulation from Konami. As Leander, swat off the enemies and rescue the maiden Lucanna. This expanded column contains eight reviews of the hottest Amiga games. Departments Editorial ...6 Responding With Readers A Million Stories in the Amiga Finding the Stories A Place To Speak Merits List of Advertisers ...80 Feedback ...90 More Help for the Help Key Postscript Output Revisited Data-Processing Amigas Public Domain Software ...94 Fred Fish 581-600 And Furthermore ...96 by Timothy Duarte Students in Waldoboro, Maine, forecast the weather with the Amiga and satellite image receiving equipment. 1.6 AC V7.5 May 1992 Reviews SecureKey ...22 by Richard Mataka Don't let those worms and moles set eyes on your private, personal data! Distant Suns 4.0 ...23 by Jeff James Gaze at distant stars from the comfort of your computer chair. Ami-Back ...26 by Jeff James Schedule backup of data on a regular basis; also schedule incremental AdIDE/40 Amiga 500 Hard Drive Kit ...34 by Merrill Callaway Are your looking for a space-saving way of adding a hard drive to your A500?

The Big Three in DTP, Part 2 ...47

by Richard Mataka

Once again, Rich dissects three leading DTP programs and their modules.

MIfont and MIoutline ...55

by by Richard Mataka

Check out what these utility programs can do to enhance your Amiga fonts.

Pelican Press ...57

by by Jeff James

You don't have to be a 10-year-old kid to enjoy this entry-level DTP package.

600 Amiga Fonts ...61

by Morton A. Kevelson

What is the ancestor of Allied Studio's 600 Amiga Fonts? Besides giving the answer, Morton also sheds light, in two related sidebars, on the nature of bit-mapped fonts and getting high quality printouts with Prowrite.

### In This Issue

Reader's Choice Ballot ...7

Make your choices known! AC offers you the chance to pick the best Amiga products and Amiga vendors of the year.

Printers ...42

by Dan Weiss

Learn the technologies used to create images among the various types of printers.

Fonts & AmigaDOS 2.04 ...53

by Morton A. Kevelson

The latest release of the Amiga operating system allows you the choice of new font structures.

Selecting and Using Structured Clip Art ...59

by Jason R. Hardy

Learn how to choose structured clip art, the preferred format for most DTP applications.

### Projects

Installing the ATonce-Plus  $\dots$ 18

by Richard Mataka

Step-by-step, the author explains the installation of this board and other peripherals, along with some cautionary notes.

Building an Amiga MIDI Interface  $\dots$ 30

by John Iovine

For this month, John carefully guides you through the steps in building an affordable Musical Instrument Digital Interface.

# Columns

New Products and Other Neat Stuff ...10

by Timothy Duarte

Check out the latest Amiga products, fresh from the oven!

Bug Bytes ...38 by John Steiner

Some Digi-Paint 3 users might want to consider an upgrade; Phasar 3.0 users should now contact Psygnosis for support.

ARexx ...66

by Merrill Callaway

Use a PostScript driver for a text editor without using Preferences!

The Video Slot ...72

by Frank McMahon

This month's column explains real-time 24-bit sequencing and it's applications.

Medley ...74

by Phil Saunders

Departing from his usual music commentary, Phil reviews A-Sound Elite.

Roomers ...76

by The Bandito

Will Apple be the Amiga's biggest challenger in the home computer market?

Hot Tips ...81

Allow yourself an unfair advantage in playing Batman: The Movie, Defender of the Crown, and Shadow of the Beast.

Diversions ...82

Use strategy and combat skills in The Perfect General, or hop on your 500cc motorcycle in Team Suzuki.

PD Serendipity ...87

Quick utilities, games, educational projects, and productivity programs highlight the latest Fred Fish disks.

cli Directory ...89

by Keith Cameron

This month's column continues to show the power at your fingertips when using the Command Line Interface.

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The Best?

A Bit of Recognition

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Is Teacher's Toolkit PAL Compatible?

Long Live AC's TECH!

Directory Utilities Differ in Bells & Whistles

New User Group in Uruguay Seeks Amigas

Seeks Suppliers and Distributors

Public Domain Software ...94

Fred Fish 584-610

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And Furthermore ...96
by Phil South
Latest news from Europe!
Phil South, our correspondent from the UK fills us in on the A600 release for the European Amiga market.
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# 1.7 AC V7.6 June 1992

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Freeze Frame Video Film Recorder ...17
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  Bridgeboard Expansion Products, Part 2 ...21
  by Richard Mataka
  This month, Rick takes a look at ATOP's BridgeBoard Expansion Products.
  HP's Deskjet Color-500C ...24
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  Here's a program that compiles ARexx scripts with power and ease.
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  knowledge of geography?
  Scan & Save and Merge It ...44
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  Migraph has released a major software upgrade and announced an OCR
  reader.
  AMOS ...47
  by Jimmy Rose
  AMOS is more than just a game programming language.
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CDTV Consortium ...50

by Timothy Duarte

Tim discusses four essential CD ROM titles for CDTV, Commodore's Interactive Multimedia System.

Make a "ToDo" List with Foundation ...52

by Dave Spitler

Add the address and phone number stack in this program to keep track of your obligations sorted by day of the week.

Multi-Image to Multimedia ...55

by David Bailey

Here's an example of an Amiga system used for live projected multimedia.

### Programming

MREAD ...66

by Chuck Wardin

Short for Multiple AREADs, MREAD adds wildcard support to AREAD for Amiga to Bridgeboard transfers.

## Projects

Graphs of the Forgotten Kind, Part 1 ...28

by Robert F. Arnesen

With minimum effort, one can write a few programs to produce any type of graphical plot.

A Digi-View Light Project ...58

by Patricia Zabka Kaszycki

Pat gives step-by-step instructions for making a portable light-reflecting screen to improve the quality of your scanned images.

### Columns

New Products and Other Neat Stuff ...8

by Timothy Duarte

The latest and greatest Amiga products make their way to the pages of AC. From the newest games to modems, they're all here.

cli Directory ...36

by Keith Cameron

This month learn to use three AmigaDOS commands: ASSIGN, JOIN, and LIST.

ARexx ...60

by Merrill Callaway

Use three ways to practice sending ARexx commands to your favorite programs.

Medley ...71

by Phil Saunders

In his final column, Phil offers help on using some advanced editing features in Dr. T's KCS.

The Video Slot ...73

by Frank McMahon

Frank creates some 3-D animation with Draw 4D-Pro and DeluxePaint.

Roomers ...75 by The Bandito What has happened to Newer Technology's Amiga Notebook? At least the A600 has arrived-though, so far, only in Hannover, Germany. Bug Bytes ...78 by John Steiner Gold Disk goes to Adobe and Lino-Hell, developer of PostScript and manufacturer of the Linotronic L200-P imagesetter, respectively, to squash a printer bug. Hot Tips ...81 This month's tips include 16 password codes for UBI Soft's Battle Isle and a Sega Genesis joystick hookup. Diversions ...82 See the world from an ant's point of view in SimAnt, rescue the beautiful Elisa in Elf, or waste some punks in Predator 2. Departments Editorial ...6 List of Advertisers ...80 Feedback ...90 Disagreement with the Bandito?? NewTek Delivers and Delivers DT Publisher Needs Help ATonce Plus and 2.04 Compatibility Public Domain Software ...94 Fred Fish 607-640 And Furthermore ...96 by Jeff Gamble The Shadow and Amiga Make Beautiful Music

# 1.8 AC V7.7 July 1992

Reviews

HotLinks Editions ...17
by Merrill Callaway
This new trio of tools-HotLinks, PageLiner, BME-makes desktop publishing with PageStream 2.2 even easier.

G-Force 040 ...20
by Richard Mataka
Rick analyzes the high performance G-Force 040 Accelerator Board from GVP and includes the results of some impressive benchmark tests.

SuperJAM! ...23
by John Steiner

John reviews SuperJAM! from the perspective of the desktop video or multimedia presentation user.

Genesis-The Third Day ...28

by Steve King

See how this fractal-based program can generate 236,000 triangles with 1200 springs and 2500 lakes.

Background Art To Go ...74

by Frank McMahon

A detailed look at two new image-data packages, Materials Texture Library and Our Wedding.

New York and London ...88

The latest news from two great Amiga shows! Complete coverage of the World of Commodore New York City Show and a look at the international Amiga market with the Amiga Shopper Show in London, England.

### Projects

Graphs of the Forgotten Kind, Part 2 ...30

by Robert F. Arnesen

This month, Part 2 covers the semi-log and log-log programs in some detail and shows you how to add bells and whistles.

#### In This Issue

FoundDex ...34

by Dave Spitler

Use FoundDex to create a calendar/rolodex stack and sort on multiple fields.

Telecommunications ...39

by Richard Mataka

A look at the world of telecommunications, focusing on hardware, software, and online services.

Amiga Modem Rundown ...48

AC showcases and compares the specifications of seven modems-from the basic 1680 Commodore Amiga 1200-baud modem to the Practical Modem 14400FXSA V.32bis.

PARNET ...53

by Walter Steuber

Using PARNET, a public domain system for networking Amigas, access the wealth of CDTV programs by connecting your Amiga to CDTV through the parallel port.

Usenet: It's Not Just for UNIX Anymore ...56

by Gary Fait

Compare the difference between a commercial service, such as CompuServe, which is a centralized network, and Usenet, which is a distributed network.

Amiga Point Node Software ...59

by David Slonosky

Specify to your boss node the files of your liking and download them as a

packed file at your convenience.

#### Columns

New Products and Other Neat Stuff ...8

by Timothy Duarte

The most recent games, utilities, programming packages, video programs, CDTV discs, hardware, and books abound in the pages of this July issue.

cli Directory ...36

by Keith Cameron

This month Keith teaches the ins and outs of the Amiga's internal clock.

Bug Bytes ...37

by John Steiner

Bug fixes for DeluxePaint IV and an update to HomeFront are featured this issue.

ARexx ...66

by Merrill Callaway

Use ARexx to make Star Fractals and fascinating image output in PostScript or MathVISION.

The Video Slot ...72

by Frank McMahon

This month's column looks at a possible remedy for your fuzzy monitor, as well as describes an update on the hot new 3-D program, Caligari 2.0.

Roomers ...75

by The Bandito

Check out Commodore's sales rank among PC makers in 1991. Then see the lavish salaries of Commodore executives for the same year. On other fronts-will Atari survive, and will a white knight rescue .info magazine?

Hot Tips ...81

Reader-submitted tips on role-playing games, Elf and Killing Cloud. Also, a chance to win SimAnt, Maxis' new simulation of an ant farm.

Diversions ...82

Step into the ring for a few jabs in 4-D Boxing, design a layout of a medieval dream castle, or get behind the wheel of a race car in the Grand Prix.

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Scala 500 ...47 by Joe DiCara Add titles and effects to easily and quickly spruce up your home videos. The Buddy System for Imagine ...50 by Oran J. Sands The Buddy System has built-in tutorials for creating, modifying, rendering, and animating objects in Imagine. ProStream Plus ...54 by Rick Manasa New PostScript fonts for the Amiga. FantaVision ...66 by R. Shamms Mortier Wild Duck's latest makes drawing and animation easy. Graphics Achieving 3-D Effects From 2-D Amiga Art ...40 by R. Shamms Mortier Use three popular Amiga programs to add dimension to your 2-D art. Projects Neural Network ...76 by John Iovine This month, the first in a series of articles on the construction and function of a neural network. Columns New Products and Other Neat Stuff ...8 by Timothy Duarte The latest and greatest products found in the Amiga computing market. cli Directory ...43 by Keith Cameron Learn about the following informative Amiga commands: AVAIL, FAULT, VERSION, WHICH, and WHY. Bug Bytes ...52 by John Steiner Why would someone write a program called FakeRETURN? How can you make your Amiga recognize the Seagate hard drive? Roomers ...59 by The Bandito When will the 386SX Bridgeboard be available for U.S. users? Even more emulators are arriving for the Amiga. The Video Slot ...68 by Frank McMahon A look at the Video Toaster 2.0 upgrade and its new features. Frank also gives some helpful tips for 2.0 users.

ARexx ...72 by Merrill Callaway Integrate Softwood's Proper Grammar and Final Copy with the use of ARexx. Hot Tips ...81 Reader-submitted tips on Might and Magic III, SimCity, and Teenage Mutant Ninja Turtles: The Arcade Game. Diversions ...82 Go back in time to WWII in Panzer Battles, become a caveman in Prehistorik, and tag team with the Teenage Mutant Ninja Turtles to defeat Shredder. Departments Editorial ...6 Commodore News Profitable Commodore Commodore Adds New Distribution Two New Leaders List of Advertisers ...80 Feedback ...91 Sand Castles? BOING! BOING! Guidance for Authors Satisfied Author Public Domain Software ...94 Fred Fish 642-680 And Furthermore ...96 NewTek goes primetime! NBC's Nightly News visits Topeka's most unusual executives. Summer Consumer Electronics Show ...56 Games, videos, and even consumers make news at Chicago's CES-but not Commodore.

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Hard Disk Organizer ...22

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Eliminate the chaos and bring order to your hard disk with this utility from Display Systems International.

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WShell 2.0 ...25

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Math Programs For The Younger Set ...27

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Which one is right for you-Softwood's Final Copy or New Horizon's ProWrite? You make this choice.

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True BASIC, v2.0 ...66

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True BASIC relieves the programmer of the burden of having to understand all the complex inner workings of a computer.

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by Michael Todorovic

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New Products and Other Neat Stuff ...8

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Bug Bytes ...43

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ARexx ...58

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Combine the power of ARexx and TurboText in desktop publishing!

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  Aladdin 4D..40
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  In this reincarnation of Draw 4-D, Adspec has added a host of exciting
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Modula-2, Part 2: The Color Match Algorithm  $\dots 27$ 

by Michael Todorovic

In this part, Michael shows us the use of a color match algorithm.

Using the C Preprocessor..37

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Using the C preprocessor to simplify Amiga structure definitions.

Game Creation with AMOS..54

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New Products and Other Neat Stuff ...8

by Timothy Duarte

From games, to BBSs, to foreign language instruction, to books-you can find them all in this month's column.

Bug Bytes ...43

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This month's column deals with SCSI device problems, a quick PostScript fix for ProWrite, and an upgrade for STU.

cli Directory ...45

by Keith Cameron

Keith looks at a number of public domain and shareware programs running from the CLI.

ARexx ...56

by Merrill Callaway

How to "roll your own" IFF24 file viewer using ARexx.

The Video Slot ...71

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ProDraw 3.0 ...22

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This upgrade includes a long-awaited hot link connection with Professional Page.

Progressive 040/2000 ...24 by Rick Mataka A look at this 28 MHz 68040 from Progressive Peripherals. Blizzard Board ...30 by Rick Mataka A combination accelerator and memory expansion unit, Blizzard Board incorporates an interesting concept: SHADOW RAM. A-Max II Plus ...36 by Rick Mataka A software/hardware upgrade offering increased Macintosh emulation. DKB 2632 Memory Expansion for the A2630 Accelerator ...38 Expand your system up to 112MB of 32-bit memory to speed up memory-intensive graphic applications. In This Issue Drawing With Draw ...25 by Jim Silks An overview of the various features and abilities of Gold Disk's Professional Draw. Adding a Hard Drive to Your System ...34 by Richard Mataka Here's a guide to designing your own hard-drive subsystem. Sneak Preview! ASDG's MorphPlus ...55 by Merrill Callaway With MorphPlus, spinning, morphing, and other interesting effects are made easy. Remap Magic ...70 by Patrik Beck Learn why this tool is your beast bet for making use of your palette. Soft-Edged Shadows: Imagine That! ...77 by Marc Hoffman Marc creates an off-camera soft shadow image of himself, step by step. Programming Beginning C ...51 by Chue Xiong The author covers some of the basics of the C language. Projects Hardware Projects ...58 by Henning Vahlenkamp Quick n' easy hardware projects for the A500 and 1084 monitor just for you do-it-yourself types. Columns

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by Elizabeth Harris

From educational software to games, you'll find the newest releases—and much more—in this month's column.

The Video Slot ...39

by Frank McMahon

Hi-res HAM can give extra color fidelity, smaller file sizes, and more painting features.

cli Directory ...44

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Distinguish between disk-based commands, which make your drive spin, and internal commands, which don't.

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AMIGA 4000 ...48

Commodore creates a bold new direction in Amiga computing with expanded graphic resolutions, modular CPU, and more.

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Thousands arrive at WOCA in Pasadena to see Commodore's latest additions to the Amiga line.

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Fern Gully and Rock-A-Doodle ...20

by Kim Schaffer

You and your kids will all want to color with these computerized coloring books from Capstone.

PIXOUND 2.1 ...22

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VistaPro 2.0 ...26

by Jeff James

You no longer have to be a skilled artist to create realistic landscapes.

Valiant Little Terminal (VLT) ...29

by Merrill Callaway and Bill Ross

Here is a "free" terminal program unknown to some but used to the benefit and delight of many.

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Radioactive Monitors ...32

by John Iovine

For as little as \$25, build a simple monitor to measure electromagnetic fields (ELF) to determine whether your workspace is safe.

Boom Box ...40

by Rick Manasa

Not only is Boom Box fun, but it is also a serious music creation tool.

Polishing BASIC Programs ...43

by Marianne Gillis

Sneak a peek at the work of BASIC programming experts and glean some of their secrets.

Banners ...45

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A step-by-step tutorial for creating really BIG holiday banners.

OpalVision ...58

by Elizabeth Harris and Jeff Gamble

Discover whether this 24-bit manipulation package is a real gem.

Caligari 2.1 ...68

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This next generation of Caligari provides the Amiga with an impressive graphics and animation engine.

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Structured Drawing & TrueBASIC ...76

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See how TrueBASIC fully supports any level of hierarchical structure, in contrast to AmigaBASIC.

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New Products and Other Neat Stuff ...8

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Featuring games and applications; new hardware ranging from lighting control systems to joystick and mouse adapters, an 11-disk housing with a 275-watt power supply, and more!

The Video Slot ...37

by Frank McMahon

Learn power Toaster painting and 3-D creation with the Video Toaster.

ARexx ...52

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How to enhance your chances of choosing the door with the little red sports car behind it!

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Isn't it time you checked out the Commodities directory within the Tools directory on your 2.04 Extras disk?

Hot Tips ...81

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