

**1993**

**COLLABORATORS**

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**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>1993</b>	<b>1</b>
1.1	AC	1
1.2	AC V8.1 January 1993	2
1.3	AC V8.2 February 1993	5
1.4	AC V8.3 March 1993	7
1.5	AC V8.4 April 1993	9
1.6	AC V8.5 May 1993	12
1.7	AC V8.6 June 1993	14
1.8	AC V8.7 July 1993	16
1.9	AC V8.8 August 1993	18
1.10	AC V8.9 September 1993	21
1.11	AC V8.10 October 1993	23
1.12	AC V8.11 November 1993	25
1.13	AC V8.12 December 1993	27
1.14	AC 1993, In This Issue	30
1.15	AC 1993, Features	35
1.16	AC 1993, Reviews	35
1.17	AC 1993, Programming	38
1.18	AC 1993, Projects	38
1.19	AC 1993, Diversions	39
1.20	AC 1993, Public Domain Software	41
1.21	AC 1993, Special Features	41

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# Chapter 1

## 1993

### 1.1 AC

Amazing Computing Magazine Article Index  
Volume 8  
1993

#### Contents

In This Issue

Features

Reviews

Programming

Projects

Diversions

Public Domain Software

Special Features

Months

January  
V8.1

February  
V8.2

March  
V8.3

April  
V8.4

May

---

V8.5

June  
V8.6

July  
V8.7

August  
V8.8

September  
V8.9

October  
V8.10

November  
V8.11

December  
V8.12

Years

## 1.2 AC V8.1 January 1993

In This Issue

Creating a Story Board in Final Copy II ...28

by R. Shamms Mortier

Use Final Copy II to design a story board for your animations and video.

Generic Modelers: The Wave of the Future ...37

by R. Shamms Mortier

A look at how the generic modelers available for the Amiga interact with the heavyweight 3-D programs.

CrossDOS 5.0 & Cross PC ...40

by Merrill Callaway

A review of the MS-DOS file system and software IBM PC-XT emulator from Consultron.

Commodore's A1200 ...48

An AA chip set, AmigaDOS 3.0, an extended keyboard, a PCMCIA port, and more, make this new Amiga a great fit in the Amiga line.

Teleradiology: The Amiga in Medicine ...52

by Michael Tobin, M.D., Ph.D

A radiologist's view of the Amiga and its role in medical imaging.

A Look at 24-bit Libraries ...58

by R. Shamms Mortier

Look at the two general ways 24-bit libraries are used: as backgrounds and as color "textures."

---

Maple V ...69

by Dr. Phil Morrison & Kim Schaffer

A review of Waterloo Maple's high-level math program.

Comdex Fall '92 ...86

Commodore unleashes the Amiga 1200 while MS-DOS and Apple communities introduce "Amiga-style" computing!

Future Entertainment Show ...92

by Phil South

The Amiga 1200 is a sell-out at its British debut.

## Reviews

Final Copy II ...18

by Merrill Callaway

Its new AReXX capability is just one exciting improvement to Final Copy.

KindWords 3 ...20

by Joe DiCara

The latest update to this full-featured word processor aimed at the home user and small business.

MathVISION ...21

by Rob Hays

It's neither a paint program nor a music program, but it produces stunning images and interesting sound.

TruePrint/24 ...22

by Merrill Callaway

An 8- and 24-bit preferences printer utility for your Amiga.

Back to Basics ...26

by Kim B. Schaffer

With SPEECH and HINTS your child can learn spelling, long addition, long subtraction, and other arithmetic functions.

## Programming

Image Compression with I.F.S ...31

by John Iovine

Compression and restoration of images using Iterated Function Systems.

## Projects

Using Laser Disc Players with the Amiga ...45

by Ron M. Battle

How to connect laser disk players to your Amiga and what to do with them after they're connected.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

Featuring graphing programs, utilities, games, clip art, accelerators, and more!

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Bug Bytes ...43

by John Steiner

A reader discovers a bug in refurbished A2000 keyboards; another finds one not in the program but in documentation of the Amos 1.3 manual. ICD announces a ROM release for IOMEGA.

cli Directory ...56

by Keith Cameron

Part two of Keith's look into Workbench 2.0 Commodities.

Roomers ...61

by The Bandito

The A4000 and the A1200 are examined. Also, a look at future video games and the impact of the AGA chip set on future Amiga software.

The Video Slot ...65

by Frank McMahon

This month, Frank looks at some additional products that are new versions of established programs for the Video Toaster.

ARexx ...74

by Merrill Callaway

This month, configure a Directory Opus gadget to JPEG and decompress images in Art Department Professional.

Diversions ...82

Deal with the military, economic, geographical events of WWII in the wargame Third Reich; take on the evil Valrog in Dojo Dan; compete against seven civilizations in Civilization; and, as Bobbin Threadbare, find out what happened to the Weavers who hold together the fabric of reality with their Great Loom.

## Departments

Editorial ...6

Commodore Does It Again!

Amiga Graphics

The Changing Computer Market!

Apples Aisle 4

So What?

A Better Product

What To Do?

List of Advertisers ...80

Feedback ...90

CLI Concerns

PARNET Not PD

A-10 Tank Killer Not Halfbrite

Public Domain Software ...94

Fred Fish 730-750

And Furthermore ...96

St. Claire Interactive Communications-A Multifaceted, Multinational,

Multimedia Amiga Developer.

## 1.3 AC V8.2 February 1993

### In This Issue

PS 400 ...29

A review of Migraph's newest scanner for the Amiga.

Adding Color ...30

by Patricia Zabka Kaszycki

Three ways to get quality color output from your black-and-white laser printer.

Extending the AMOS Sort ...34

by Dave Senger

A close look at the AMOS Sort Function.

One-Stop Music Shop ...45

by Rick Manasa

Read why Rick Manasa describes The One-Stop Music Shop as "an astounding piece of computing and musical value."

Amiga Review ...48

A look at the entire Amiga line from the A1000 to the A4000.

Business Cards ...66

by Dan Weiss

Create your own business card with the help of this tutorial.

AD1012 ...78

by Rick Manasa

The only game in town if you want better than 8-bit audio and hard disk recording.

### Reviews

HotLinks Edition 1.1 ...16

by Merrill Callaway

Find out why Merrill would like to see more "idiot proofing" in future editions of HotLinks.

RocKey and RocGen Plus ...18

by Frank McMahon

Provides many video users with most-used keying effects.

P.F.M. Plus ...19

by Rich Broida

Discover why Broida compares P.F.M. Plus to "a movie with great actors but a terrible script."

The PatchMeister ...20

by Rick Manasa

Determine if this universal librarian is the one for you!

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PhunnyPhonemes ...22

by Rick Manasa

An educational game designed to help children learn to sound out words by understanding phonemes.

## Projects

The Fat A500 ...39

by Phillip R. Combs

An inexpensive way to upgrade your Amiga 500 to 2MB of Chip RAM.

The Fat A2000 ...42

by Phillip R. Combs

Quickly and easily upgrade your Amiga 2000's Chip RAM with this project.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

From virtual reality simulation to binary trigonometry concepts—you'll find it all in this month's column.

cli Directory ...26

by Keith Cameron

Customizing your Amiga environment through the use of an editor.

ARexx ...53

by Merrill Callaway

Demystifying ARexx and dispelling programming anxiety for the masses.

The Video Slot ...57

by Frank McMahon

This month, Frank examines 15 CDs that work with your CDTV/PARNET hookup.

Bug Bytes ...62

by John Steiner

A reader discovers a bug in refurbished A2000 keyboards; another finds one not in the program but in documentation of the Amos 1.3 announces a ROM release for IOMEGA.

Roomers ...70

by The Bandito

The arrival of the A1200, the next generation of Amigas, and grim news for gamers are topics covered by the Bandito in this issue of Roomers.

Diversions ...81

Featuring Eye of the Beholder II: The Legend of Darkmoon, Fighter Duel Pro, Treasures of the Savage Frontier, and Vektor Storm.

## Departments

Editorial ...6

Power Up!

More A1200 Support

Amiga Dealers, Unite!

What's Next?

---

List of Advertisers ...80

Feedback ...90

Spanish Wordprocessors, Please!

Another Note on 2.04

Air Force User Group Calls for Assistance

Further Words on AmigaDOS

Amiga Products Around the World

Public Domain Software ...94

Fred Fish 751-770

And Furthermore ...96

by Merrill Callaway

The Amiga Artists Group

WORLD OF COMMODORE AMIGA TORONTO ...76

December 4-6, 1992

The World of Commodore mit Amiga 92 ...92

## 1.4 AC V8.3 March 1993

In This Issue

MITE AVISTA ...24

by Terence Byrnes

A look at the Amiga multimedia lab at Concordia University in Montreal.

Forging a Head ...30

by Henrik Mrtensson

This Imagine tutorial will help you keep a good head on your 3-D shoulders.

AmigaVision Projects ...36

by William Murphy

Use the power of AmigaVision to develop educational applications.

Building Your Business Image ...40

by Dan Weiss

Use your desktop publishing package to create attractive business forms and attention-getting correspondence.

Crayon Titles ...44

by Patrik Beck

How to achieve interesting title effects using DeluxePaint.

Morph It ...66

by Merrill Callaway

This tutorial will give you the basics on MorphPlus and help you create better morphs.

Toasty EFX for Babylon 5 ...73

---

by Les Paul Robley

Using the Video Toaster almost exclusively to create outer-space effects for the up-coming Babylon 5 sci-fi television pilot.

CES Winter '93 in Las Vegas ...85

Read about Sharp's innovative LCD full-color display camcorder, the new 3DO platform, recent Psygnosis software, and much more.

## Reviews

Art Expression ...16

by Shamms Mortier

Will this package from Soft Logik, Inc. give the competition a run for the money and push the state of the art? Take a look.

DeluxePaint IV Videos ...17

by Greg Epley

This video set of tutorials by Saddleback Graphics is designed for both beginners and experience users of DeluxePaint IV.

CineMorph ...19

by Shamms Mortier

Software that addresses three types of morphing: warping a single picture; morphing one image into another; and morphing animated sequences.

AMOS Professional ...21

by Jack Nowicki

More than just an upgrade, this version adds 200 new commands to the original—for a total of over 700.

Amiga Action Replay MK III ...23

by Henning Vahlenkamp

A ROM cartridge from Great Britain, AR3 freezes your current program as you perform many housekeeping chores.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

Find yourself spellbound by Elf and captured by Hook, among some of this month's new products.

Bug Bytes ...27

by John Steiner

A way to reboot with Hurricane Accelerator; a workaround for the AT Bridgeboard; and some troubleshooting tips for owners of the Bernoulli cartridge.

ARexx ...53

by Merrill Callaway

Using ARexx and Postscript to make custom business forms.

The Video Slot ...57

by Frank McMahon

Some CD-TOM titles that may not work; taking a course as a way to local cable TV production.

---

Roomers ...69

by The Bandito

Read all about the Gold Disk story! Is Abobe part of the Amiga's future? The Bandito focuses on these topics and more.

CLI Directory ...77

by Keith Cameron

Make your Amiga a more efficient machine by using Shell Graphics.

Diversions ...81

Features this month: Bill's Tomato Game and International Sports Challenge.

## Departments

Editorial ...6

Technology Drives the Market, But Which Technology?  
What is a Killer App?

List of Advertisers ...80

Feedback ...90

Monitor ELF from All Directions  
Thank GUIDE!  
Something Fishy

Public Domain Software ...92

Fred Fish 771-790

And Furthermore ...96

American Laser Games brings the Old Wild West and Space Frontiers to game players world-wide.

Rubbing the Lamp ...46

by R. Shamms Mortier

A Tutorial on ADSPEC Programming's Aladdin-4D

Playmation ...50

by R. Shamms Mortier

A look at Will Vinton's 3-D animation package

## 1.5 AC V8.4 April 1993

### In This Issue

Triple Play Plus & SyncPro ...24

by Rick Manasa

Care to expand the possibilities and productivity of your Blue Ribbon products? Then check out these innovative interfaces.

Video Music Box v1.6 ...27

Shamms Mortier

See why this software lists an almost infinite amount of variability from

the included library of parameters.

Fonts: Desktop Publishing Fundamentals ...30

by Dan Weiss

Know how to select fonts in DTP to greatest advantage.

Realistic Grasslands Using Imagine ...45

by Marc Hoffman

Creating grasslands through the use of powerful image-mapping features found in Imagine.

Boosting Your Productivity ...48

AC outlines four ways to boost your productivity.

GoldenGate 386SX ...57

by Dietmar Postl

Can it really transform your Amiga into a fully functional 386SX MS-DOS machine?

VisionModeller 3D ...73

by Shamms Mortier

Try out the new features of VisionModeller 3D.

Fun with Lettering ...75

by Merrill Callaway

A tutorial in type manipulation.

## Reviews

Morphus ...14

by Frank McMahon

Here's some morphing competition from Italy, even though, as the author says, Morphus is not specifically a morphing program.

CanDo ...15

by Rob Hays

From INOVATronics comes a package that fills the needs of the casual programmer and yet has power to produce commercial-level programs.

MaxiPlan ...16

by Rick Broida

Not all spreadsheets and database managers can verbalize a cell or range and also claim the ability to export/import Lotus 1-2-3 data from the IBM world.

Contact 2.0 ...18

by Kim Schaffer

Learn how useful a personal contact database manager can be. It even has a database of AmigaDOS commands for you to "pop up."

fingerTalk ...20

See if the reviewer gives fingerTalk thumbs up or thumbs down.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

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Discover Denny Atkin's Best Amiga Tips and Secrets, Bigfoot Power Supply, Creepers, and a host of other new products featured in this month's column.

cli Directory ...36

by Keith Cameron

This month, learn how to change the fonts that appear on your screen.

The Video Slot ...38

by Frank McMahon

This month, Frank goes over the basics in getting started in Amiga video.

Bug Bytes ...43

by John Steiner

A cry to Kodak for Amiga support, a ParBENCH update, and a bug fix for an AdRAM 540 clock problem are just a few of the topics covered in this month's Bug Bytes.

ARexx ...54

by Merrill Callaway

From producing custom forms last month to printing envelopes this month on your laser printer, ARexx and PostScript make the way.

Roomers ...69

by The Bandito

The Bandito questions Commodore about its role in the future.

Diversions ...83

Featuring CyberEmpire, Indiana Jones and the Fate of Atlantis, Combat Classics, and A-Train.

## Departments

Editorial ...6

Dr. John George Kemeny In Memorium

List of Advertisers ...80

Feedback ...90

Fred Fish Readdressed

No Problem, Conrad!

Amiga Luminaries

Public Domain Software ...92

Fred Fish 771-810

And Furthermore ...96

by Merrill Callaway

Yvonne Wylie Walston, Medical Illustrator

TurboPrint Professional ...22

by Merrill Callaway

Gases & Gas Objects ...66

by R. Shamms Mortier, PhD.

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Make Your Business Look BIG with GVP's PhonePAK VFX ...81

## 1.6 AC V8.5 May 1993

### In This Issue

Directory Opus ...24

by Merrill Callaway

The ultimate directory utility that couldn't be improved upon is now even better, says the reviewer.

Doin' It with CanDo ...37

by Jeff Gamble

The first in a series of tutorials designed to make everyone a CanDo expert.

One-Stop Music Shop ...40

by Rick Manasa

Is this going to change how you make music with your Amiga now and forever?

Scientific Visualization ...46

by Joshua E. Colwell

Scientists use the Amiga to animate results and create videos to convey information.

Media Madness ...48

by David S. Miller & Todor Fay

This article takes you "under the hood" and shows you how Media Madness works. The authors have even included a programming example: the Yak tool.

Design & Dingbats ...58

by Dan Weiss

Design your own three-column newsletter using professional layout techniques.

Learning C ...63

by David Stockman

Find out what editors, compilers, and texts will help you learn programming in C.

### Reviews

SuperJAM! 1.1 ...15

by Rick Manasa

This update breaks the four-note and the one-octave limitation to the Chord design feature.

Image-FX ...18

by R. Shamms Mortier

The combination of addressing selected areas with conversion/alteration tools makes Image-FX a wonderful addition to the artist/ animator's toolkit.

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T.A.B.S. ...20  
by Rick Manasa  
A filer/launcher utility that uses the folders-in-the-filing-cabinet metaphor.

## Columns

New Products & Other Neat Stuff ...8  
by Elizabeth Harris  
This month: The African Rainforest, Click-Clack, Macro68, Zool, and more.

cli Directory ...26  
by Keith Cameron  
Using LOCK and PROTECT, guard your disks, drives, and files from middle schoolers and other exuberant creatures.

Bug Bytes ...34  
by John Steiner  
This month: PostScript interpreters revisited; VAXes and Valiant Little Terminals together; CD-ROM and SCSI devices, and more.

ARexx ...54  
by Merrill Callaway  
An introduction to ARexx arrays with a look at the REXX Rainbow Library Volume of Stem/Array Functions.

The Video Slot ...66  
by Frank McMahon  
Examine the new graphic modes on the A4000 and A1200.

Roomers ...70  
by The Bandito  
Is Apple pricing a threat to the Amiga? Is CD-ROM mania gripping the computer industry? Will Kodak license Commodore to enable full Photo-CD compatibility?

Diversions ...83  
Become the intrepid test pilot in Lords of Time, control the entire planet in SimEarth, assume the role of Brandon in The Legend of Kyrandia, join the beautiful Maid Marian in Robin Hood; and try your hand at 16th-century Japanese military strategy in Conquest of Japan.

## Departments

Editorial ...6  
Thanks, Will!

List of Advertisers ...80

Feedback ...90  
PhunnyPhonemes Phulfills Phunctions  
Next Generation Trivia Challenge Recalled  
Shared Frustration in Using CompuGraphic Fonts  
JAG to the Rescue of Manila User  
Tell the Porting History

Public Domain Software ...93

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Fred Fish 800-830

## 1.7 AC V8.6 June 1993

### In This Issue

AMOS Turns Professional ...22

by Jimmy Rose

A major upgrade hailed as a comprehensive development system.

Structured Drawing ...30

by Dan Weiss

An explanation of structured drawing programs versus bitmap programs.

Searching Medical Literature ...36

by Michael Tobin, M.D., Ph.D.

Using the Amiga to tap the vast resources of medical on-line services.

A Simple Backup & Restore Program in ARexx ...43

by Everett M. Green

Using ARexx rather than resorting to a full-capacity backup/restore utility program.

Smart Cards & Other Neat CanDo Tricks ...45

by Henrik Mrtensson

Taking a second look at CanDo.

Penny Pincher's Cross-Development System ...51

by Susan Hussein

A tutorial to help you set up a cross-development system.

Design & Dingbats ...56

by Dan Weiss

Dan focuses on the elements of layout and design in Part II of his newsletter project.

The Numbers Game ...77

by Rick Manasa

Pricing policies of Amiga products explained.

Be Counted! ...87

It's time once again for the Readers' Choice Awards. Get your pencil and ballot ready.

### Reviews

Presentation Master ...13

by Merrill Callaway

Find out why Merrill thinks Presentation Master satisfies a traditional concept of what a business presentation ought to be.

C.L.A.S.S. ...16

by Rick Manasa

Discover if this program is a class act or if it should be put in the corner with a dunce cap.

---

Toaster Cozzy ...16

by Merrill Callaway

The Toaster Cozzy adds features to enhance the A-3000 video work station.

AdRAM 540 ...20

by Henning Vahlenkamp

Henning found the AdRAM 540 to be a reliable and valuable addition to his A500, but is it right for you?

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

From the newest releases to the latest upgrades, "New Products" has it covered.

cli Directory ...25

by Keith Cameron

With the release of 2.04, basic AmigaDOS commands have taken on some new features.

Bug Bytes ...27

by John Steiner

This month: a workaround for the Pro Calc PASTE bug; problem using RAD with 1MB fatter Agnus; free upgrade from Magic Flute to the Skyline II BBS system; and more.

ARexx ...60

by Merrill Callaway

Merrill offers two versions of a Graphic File Batch Converter, one using Directory Opus controlling AdPro, the other working from a shell or directly from AdPro.

Roomers ...69

by The Bandito

What are the NewTekkians brewing in their secret lab in Topeka, toiling around the clock to complete an 18-month project?

The Video Slot ...75

by Frank McMahon

Frank continues looking at AGA, in particular at DeluxePaint IV AGA.

Diversions ...81

This month's column features reviews of Covert Action, Shadow of the Beast III, Curse of Enchantia, and Quest for Glory II: Trial by Fire.

## Departments

Editorial ...6

Plastic-No Renewal

Laminate Or Not

So Why Plastic?

A Reply

Everyone Is Important

List of Advertisers ...80

---

Feedback ...90

CD-ROM Incompatibility

Public Domain Software ...94

Fred Fish 824-850

And Furthermore ...96

Meet the latest stars in the New York area and the man behind them in our coverage of Stanley Puck" and friends.

World of Commodore Amiga NY '93 ...66

Amiga In The Big Apple Generates an Abundance of New Products

## 1.8 AC V8.7 July 1993

### In This Issue

Cloud-Making in LightWave ...28

by Christian Aubert

A quick way to add ambiance to your pictures.

GVP's G-Lock ...37

by Frank McMahon

What has this new genlock done to the author's sense of hope?

Design & Dingbats ...38

by Dan Weiss

Adding the finishing touches to Part III of Weiss's newsletter project.

Exploring Remap ...43

by William Frawley

A DCTV tutorial expounding on the operation of remap.

Virtual Reality Systems ...47

by Mark J. Smith

Taking a second glance at virtual reality.

Structured Drawing ...58

by Dan Weiss

Basic features and advanced techniques are focused upon.

Multiple Path Assignments ...76

by Douglas J. Nakakihara

Assigning more than one directory path to the same name.

### Reviews

The Context Bible ...15

by Merrill Callaway

Thinker enables the reader to "jump link" from any Bible verse to another.

TypeSMITH V1.0 ...18

by Merrill Callaway

Its usefulness goes far beyond editing a few font characters.

Golden Gate 486SLC ...20

by Douglas J. Nakakihara

Installation was pretty much a plug-and-go endeavor, says the author.

Wordworth 2.0 AGA ...21

by Douglas J. Nakakihara

According to Doug, it's the most powerful, all-around Amiga wordprocessor.

OpalPaint 2.0 ...22

by R. Shamms Mortier

This program might very well sell Amigas.

ScapeMaker 3.0 ...24

by R. Shamms Mortier

That Yellowstone Park DEM file you have can now be transformed into a Martian terrain landscape.

DeluxePaint IV AGA ...55

by R. Shamms Mortier

Explore this hot new release which takes full advantage of the AGA chip set.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

This month Amiga Device Library, Interchange Plus, Superfrog, and more.

cli Directory ...56

by Keith Cameron

A continued look at basic AmigaDOS commands.

ARexx ...52

by Merrill Callaway

Making labels for Thinker hypertext statements using ARexx.

Bug Bytes ...62

by John Steiner

This month: ProCalc problems, AEHD driver again, Toshiba CD-ROM info, flaky Fat Agnus, and more.

The Video Slot ...66

by Frank McMahon

Looking at Caligari 24, Imagemaster, and Aladdin 4D.

Roomers ...69

by The Bandito

What's in store for Commodore? New AGA machines. Is MPEG on the way? How much will we spend on NewTek's Video Toaster 4000? Can Centaur's OpalVision effectively compete with the Toaster?

## Projects

---

The Fat Floppy ...31  
by Phillip R. Combs  
Using a high-density floppy drive with your Amiga.

#### Departments

Editorial ...6  
The Digital Highway Promise  
Is The Price Right?  
Dial a Bargain  
Let's Build It!

List of Advertisers ...80

Feedback ...90  
Audio Gallery Demurs  
Threat of Pressure Inferred, But Not Implied  
One-Key "Password"  
Mass Recognition of the Amiga  
ALFA Hopes to Flourish In Virginia

Public Domain Software ...94  
Fred Fish 837-860

And Furthermore ...96  
The Amiga Computer Enthusiasts of Stamford (A.C.E.S.) scored a winning hand when they took the Amiga to the public in a full day of live demonstrations and hands-on experiences. See how user groups and Commodore are working together to make things happen.

NAB '93 ...50

The National Association of Broadcasters meet Interactive Multimedia

## 1.9 AC V8.8 August 1993

#### In This Issue

Pseudo Radiosity Effects ...29  
by Marc Hoffman  
Why ray tracing is not an accurate model of true light behavior.

DCTV RGB Converter ...34  
by Douglas J. Nakakihara  
Allows you to view a DCTV image on a standard Amiga monitor.

T-Rexx Professional ...36  
by Merrill Callaway  
Callaway considers T-Rexx a wonderful program if you're afraid of programming.

Art Department Professional v2.3.0 ...39  
by Merrill Callaway  
ASDG presents another upgrade to their image-processing program.

---

Bit.Movie '93 ...46

The results are in! Find out who won.

Send It To Press ...57

by Dan Weiss

What it takes to physically publish your work.

Is Your Amiga Too Fat? ...63

by Phillip R. Combs

Combs addresses problems found in his Fat A500 and Fat A2000 projects.

Professional Page 4.0 ...66

by Rick Manasa

Rick focuses on features new to this edition.

Object-Oriented Event Handling ...79

by Joseph J. Graf

Determining whether or not an event has been triggered.

The AC Phone Book ...83

Need a product? Contact over 700 Amiga developers directly with AC's exclusive "yellow pages."

## Reviews

Rayshade ...13

by Dave Matthews

A very powerful 3-D system for very little cash.

Paint and Create ...15

by Rick Manasa

Educational software from EuroPress. Manasa believes it to be a very good addition to an after-school program.

Quarterback Tools Deluxe ...16

by Merrill Callaway

Advanced disk utilities for your Amiga. Callaway proclaims it as a decent bag of tools.

AmigaVision Professional ...20

by Douglas J. Nakakihara

This latest AmigaVision is a complex tool with enough power to create awesome presentations, says the author.

AsimVTR ...22

by Douglas J. Nakakihara

Advanced animation storage and playback software. A low-cost solution providing a way to play frames off a standard hard drive.

Real 3D 2.0 ...51

by Henrik Mrtensson

The author finds Real 3D a very sophisticated piece of software.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

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This month Lemmings II: The Tribes, TorqueWare, Amiga Gamer's Guide, and more.

cli Directory ...25

by Keith Cameron

This month LOADWB, one of those commands that people probably never think much about.

Bug Bytes ...27

by John Steiner

This month: B.A.D software, X-CAD Designer dongle, Diskmaster 2.1a, and more.

Roomers ...52

by The Bandito

This month CD-ROM mania, Silicon Emplants, A1200 acceleration, Deluxe Music, Commodore marketing, and more.

ARexx ...69

by Merrill Callaway

Formatting text in TurboText using ARexx.

The Video Slot ...73

by Frank McMahon

Choosing a graphics display adapter.

## Projects

Making Printed Circuit Boards

by John Iovine

A tutorial on how to make your own printed circuit boards illustrated by designing a +2 joystick adapter.

## Departments

Editorial ...6

"It's quiet" "Yeah, too quiet"

Your Guide To The Amiga

On A Different Note

List of Advertisers ...80

Feedback ...90

A-10 Tank Killer, V1.5, Again!

Motorola Stands by Chips

Public Domain Software ...94

Fred Fish 851-870

And Furthermore ...96

At The Amiga Format Show, Phil South, AC's U.K. correspondent, glides through London's largest spring event for the Amiga and provides commentary on some of the newest announcements from European developers.

## 1.10 AC V8.9 September 1993

### In This Issue

Adventures with Aladdin ...30

by R. Shamms Mortier

Part III focuses on Lists: Attributes, Textures, Foreground, Background, and Overlays.

Cards for All Occasions ...36

by Dan Weiss

A tutorial on how to create your own invitations, note cards, and announcements.

Head to Head ...41

by R. Shamms Mortier

A feature-by-feature look at the leading Amiga object format translation packages Pixel 3D Professional and Interchange Plus.

Summer CES ...46

Video Toaster 4000, AmiLink Professional, and more, highlight the summer event in Chicago.

Spiral Effects ...50

by Dan Weiss

Creating spinning art with Art Expression using the Transform function.

CanDo ...53

by Randy Finch

Part I of a three-part series features a comparison with Visual Basic.

WOCA-Australia ...66

Commodore Australia host a major Amiga event with products and exhibitors from around the world.

Analog Control ...78

by Scott Wolf

A look at analog joystick adapters for the Amiga.

Coming Attractions ...86

by Henning Vahlenkamp

A look at upcoming Amiga games including BC Kid, Combat Air Patrol, Goblins 2, and more!

### Reviews

Word Construction Set ...13

by Rick Manasa

Word Construction Set is a group of related programs designed to help students develop word recognition and vocabulary skills in a fun setting.

ReSource Disassembler ...16

by William P. Nee

With the Puzzle Factory's new version of ReSource, the capability to disassemble code is within your grasp.

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ProControl ...20  
by R. Shamms Mortier  
Find out why Mortier describes ProControl as a diamond-valuable  
ADPro-ARexx utility.

Caligari 24 ...21  
by R. Shamms Mortier  
Mortier claims version 3.0 as the best yet in the family of Caligari  
packages.

## Columns

New Products & Other Neat Stuff ...8  
by Elizabeth Harris  
This month features AmiVR1, The Breadboard, Foray, SCSI Expander, and  
more.

cli Directory ...25  
by Keith Cameron  
Cameron explains what script files are, why they are useful, and how they  
are written.

Bug Bytes ...27  
by John Steiner  
This month The Director vs. AGA, Janus v2.1, HP Deskjet 550c, X-Cad  
Designer, and more.

ARexx ...58  
by Merrill Callaway  
Callaway discusses what he learned at The Fourth Annual REXX Symposium  
for Developers and Users.

Roomers ...69  
by The Bandito  
Commodore takes a licking, but will it keep on kicking?

The Video Slot ...74  
by Frank McMahon  
Art Department Professional's latest upgrade, version 2.3.0, is the  
subject of this month's Video Slot.

Diversions ...81  
Hook, Cytron, Dune, and Caesar are featured in this month's Diversions.

## Departments

Editorial ...6  
Dissatisfaction at Apple Computer?  
Commodore  
The Differences

List of Advertisers ...80

Feedback ...90  
Digital Highway-The Future Is Now!  
A Few Words to Commodore Upper Management

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Public Domain Software ...94  
Fred Fish 859-880

And Furthermore ...96

Gary Rayner is an Amiga developer with over six years of Amiga product success. Now Mr. Rayner's Australian development company, OpalTech, is preparing to release the video modules to their highly successful OpalVision. AC caught up with him in Sydney to discuss the past, present, and future of video production on the Amiga.

## 1.11 AC V8.10 October 1993

### In This Issue

Making Waves ...29

by R. Shamms Mortier

Mortier focuses on the Wave Requester in Part IV of his Aladdin tutorial series.

Clouds in Motion ...34

by R. Shamms Mortier

Using Animated Clouds from Scenery Animator 4.0.

Bars & Pipes Professional ...37

by Rick Manasa

MIDI sequencing and multimedia control software for the Amiga.

CD32 ...46

Commodore's new Amiga CD32 is a 32-bit marvel that goes where no game machine (entertainment device) has gone before.

CanDo ...66

by Randy Finch

This installment discusses using CanDo documents in conjunction with user-defined variables as well as getting you started with database programming.

Media Madness ...81

by Rick Manasa

Discover what it can do for Bars & Pipes Professional 2.0.

### Projects

Keeping Your Cool II ...43

by Henning Vahlenkamp

Vahlenkamp makes installing a fan in your A1200 a real breeze.

### Reviews

Retina ...14

by Douglas J. Nakakihara

Nakakihara describes the Retina as an affordable solution to getting a true 24-bit display on the Amiga.

HELM ...16

---

by R. Shamms Mortier  
A new entry into the Amiga Authoring System competition.

DKB 1202 ...18  
by Henning Vahlenkamp  
Vahlenkamp wholeheartedly recommends the DKB 1202, believing it to be a first class product.

Amiga E ...20  
by Charles R. McCreary, Ph.D.  
McCreary considers this public domain program a truly painless way to get introduced to application programming.

Bernoulli MultiDisk 150 ...22  
Iomega brings this versatile storage solution to the Amiga.

Scenery Animator 4.0 ...23  
by R. Shamms Mortier  
Mortier believes Scenery Animator may have lapped its competition with the release of 4.0.

## Columns

New Products & Other Neat Stuff ...8  
by Elizabeth Harris  
From the newest releases to the latest upgrades, "New Products" has it covered. This month includes Dinomath, Syndicate, VTClock, and more.

cli Directory ...25  
by Keith Cameron  
This month Cameron begins to cover some of the more complex aspects of script writing.

Bug Bytes ...27  
by John Steiner  
Questions this month concern the B.A.D. utility, STAT-RAM 2.1, A2002 monitor, WordPerfect 4.1 date function, and more.

Roomers ...53  
by The Bandito  
CD32 unveiled-can it successfully compete against 3DO, Atari's Jaguar, Sega CD, CD-I, and Super CD from Nintendo?

ARexx ...57  
by Merrill Callaway  
Callaway takes a look at Ola Olsson's "Mother of All Genies."

The Video Slot ...73  
by Frank McMahon  
McMahon covers new upgrades to popular programs including the Video Toaster, Aladdin 4D, Caligari 24, and more.

Diversions ...83  
Return to the Gulf, Desert Strike, and Zool are featured in this month's "Diversions."

## Departments

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Editorial ...6	
Amiga CD?Ö	
CD?Ö Applications	
The Art of Searching	
Within The Light	
List of Advertisers ...80	
Feedback ...90	
The Bandito's "Arrogant Sarcasm" Angers Him!	
Software, Anyone?	
Impulse Decides Against Radiosity	
No Problem Importing WordPerfect Files with PPage 4.0	
Public Domain Software ...94	
Fred Fish 881-900	
And Furthermore ...96	
by Jeff Gamble	
"Me TV"-the Amiga works with a video production company and brings a twist to karaoke.	

## 1.12 AC V8.11 November 1993

### In This Issue

Aladdin 4D Tutorial #5 ...29	
by R. Shamms Mortier	
Understanding Paths—their construction, their properties, object assignments, and manipulation.	
CanDo ...34	
by Randy Finch	
This installment covers developing a custom object by combining several standard CanDo objects.	
Creating Logos ...43	
by Dan Weiss	
A tutorial on how to create logos through the use of a structured drawing program.	
Brilliance ...46	
by Frank McMahon	
McMahon finds Brilliance brimming with stylish paint features as well as handy animation options.	
Working with Color ...58	
by Dan Weiss	
Weiss explains registration, spot colors, trapping, and mechanicals.	
WOCA ...81	
The U.S. introduction of CD32, third-party major hardware releases, plus a variety of exciting new products including a LightWave 3D player device that doesn't require a Video Toaster highlight this year's event.	

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## Features

Online ...40

by Rob Hays

Exploring the expanding universe of online services.

Digital Image Special F/X ...66

by William Frawley

Using ARexx and manual techniques with Directory Opus, OpalPaint, and ADPro to process images.

## Reviews

Picasso II ...14

by Mark Rickan

Based on a 32-bit Cirrus-Logic processor, the Picasso II is a full-length Zorro II card that may be inserted into an expansion slot in any 2000, 3000, or 4000 series Amiga.

MegaD 3.0 ...17

by Douglas J. Nakakihara

Once you get used to using multiple windows with MegaD, you won't be able to go back to a two-window DU again.

AirLink 2.5 ...19

by Merrill Callaway

The AirLink 2.5 is designed to control any equipment that operates via infra-red remote control.

ColorBurst ...21

The ColorBurst hand scanner from Migraph brings affordable, quality color scanning to the Amiga desktop.

VLab ...23

by Douglas J. Nakakihara

With VLab from MacroSystemUS, the power of 30fps capturing is finally available.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

This month: Crouton Tools; MathVISION Gold; PIV-2001; Mapping the Amiga, Second Edition; Warp 10; and more.

cli Directory ...25

by Keith Cameron

Continuing the examination of script files: LAB, SKIP, ENDSKIP, and QUIT commands are discussed.

Bug Bytes ...27

by John Steiner

Questions this month concern the M.A.S.T. Enhanced Unidrive, Platinum 2.0 patch, 68000 CPU speedup, and more.

ARexx ...52

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by Merrill Callaway

Two reader ideas—a JPEG utility and pseudo libraries—are discussed in this month's AREXX column.

Roomers ...69

by The Bandito

Commodore goes vertical and the Toaster screams.

The Video Slot ...74

by Frank McMahon

This month create logos in LightWave 3D and check out two new computer books.

Diversions ...84

This month: California Games, Air Force Commander, Flashback, Chaos Engine, and Alien Breed Special Edition.

## Departments

Editorial ...6

NewTek

Enter LightRave

NewTek's Position?

Who Is Responsible?

What Is Next?

List of Advertisers ...80

Feedback ...90

Seize Control of CBM!

InterChange Plus and Pixel Pro

Where in the Mediterranean Is A.A.?

Amigas Rub Shoulders with Leno

Public Domain Software ...94

Fred Fish 900-910

And Furthermore ...96

NewTek's Toaster Screamer brings super speed to LightWave rendering.

## 1.13 AC V8.12 December 1993

### In This Issue

CanDo ...30

by Randy Finch

Finch takes a look at new features found in version 2.51 of CanDo. Is it worth the upgrade cost of \$30?

LightRave ...37

by R. Shamms Mortier

Mortier takes a look at LightRave, the controversial new product from Warm & Fuzzy Logic.

Reader's Choice Awards ...46

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The results are in! To find out if your favorite product or company won, look ahead.

Working with Color II ...50

by Dan Weiss

Exploring the differences between spot color printing and process color printing, and the benefits of using process color.

Dirty Graphics ...60

by Patrick Clarke

Using DeluxePaint IV, Zuma Fonts, and Imagine to create low-end graphics that turn heads.

Toaster 4000 ...82

by R. Shamms Mortier

Mortier finds out what's new and exciting with the release of the Video Toaster 4000.

## Features

Online ...40

by Rob Hays

This month Hays explores GENie—the General Electric Network for Information Exchange.

Digital Image Special F/X ..66

by William Frawley

Using an ARExx program for OpalVision to achieve a pointillistic style.

## Reviews

TV Paint Professional ...15

by Douglas J. Nakakihara

Nakakihara finds TV Paint Professional 2.0 to be a solid, easy-to-use, powerful paint program.

GVP's SCSI/RAM+ and CSA's Twelve Gauge ...18

by Morton A. Kevelson

In a side-by-side comparison, find out which one Kevelson believes to be the winner.

CygnusEd Professional ...20

by Douglas J. Nakakihara

Nakakihara proclaims CygnusEd to be his text editor of choice. Is it the right one for you?

DKB 3128 ...23

by Frank McMahon

McMahon found the DKB 3128 to be easy to install and very expandable, and he thinks it will be a tremendous benefit to multimedia users.

## Columns

New Products & Other Neat Stuff ...8

by Elizabeth Harris

This month's New Products include Gunship 2000, Magic Lantern, WARP System, news from Blue Ribbon, and price cuts from GMR Productions.

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cli Directory ...25

by Keith Cameron

Cameron works on customizing his shell window with some help from his AmigaDOS library.

Bug Bytes ...27

by John Steiner

This month includes a bug fix for Online!, service problems with Commodore, networking an A3000T with MS-DOS Ethernets, saving preferences in Bars&Pipes Professional, and more.

ARexx ...52

by Merrill Callaway

Callaway creates an ARexx viewer for the Retina display board.

Roomers ...69

by The Bandito

The Bandito bids Jim Dionne a tearful goodbye. Problems with the Power Up Program and Motorola's future are just some of the issues covered this month.

The Video Slot ...73

by Frank McMahon

This month McMahon takes a look at LightRave-the Video Toaster emulator-and Video Fonts from Gold Disk.

Diversions ...84

This month Pinball Fantasies by 21st Century Entertainment and Harpoon Challenger Pak: Signature Edition by Three-Sixty Pacific.

## Departments

Amiga Notes ...5

ASDG Saves the day for seaQuest

Editorial ...6

Good News for CBM, the Amiga, and CD?Ö

CD-I

3DO

Commodore's Response

List of Advertisers ...80

Feedback ...90

Where's the Monitor?

A Programmer's Response

Reacts to Mr. Luppens' Reaction

Furthermore...

And Furthermore ...96

This month's And Furthermore focuses on a movie that features the extensive use of Amiga animation and special effects.

Making an ADPro Front-end with HELM ...42

by Douglas J. Nakakihara

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Build a custom interface to control specific ADPro functions

## 1.14 AC 1993, In This Issue

Feb  
AD1012

Feb  
Adding Color

Sep  
Adventures with Aladdin

Nov  
Aladdin 4D Tutorial #5

Jan  
A Look at 24-bit Libraries

Feb  
Amiga Review

Mar  
AmigaVision Projects

Jun  
AMOS Turns Professional

Sep  
Analog Control

Aug  
Art Department Professional v2.3.0

Jun  
A Simple Backup & Restore Program in ARexx

Oct  
Bars & Pipes Professional

Jun  
Be Counted!

Aug  
Bit.Movie '93

Apr  
Boosting Your Productivity

Nov  
Brilliance

Mar  
Building Your Business Image

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Feb  
Business Cards

Sep  
CanDo

Oct  
CanDo

Nov  
CanDo

Dec  
CanDo

Sep  
Cards for All Occasions

Oct  
CD32

Mar  
CES Winter '93 in Las Vegas

Jul  
Cloud-Making in LightWave

Oct  
Clouds in Motion

Jan  
Comdex Fall '92

Sep  
Coming Attractions

Jan  
Commodore's A1200

Mar  
Crayon Titles

Jan  
Creating a Story Board in Final Copy II

Nov  
Creating Logos

Jan  
CrossDOS 5.0 & Cross PC

Aug  
DCTV RGB Converter

May  
Design & Dingbats

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Jun  
Design & Dingbats

Jul  
Design & Dingbats

May  
Directory Opus

Dec  
Dirty Graphics

May  
Doin' It with CanDo

Jul  
Exploring Remap

Feb  
Extending the AMOS Sort

Apr  
Fonts: Desktop Publishing Fundamentals

Mar  
Forging a Head

Apr  
Fun with Lettering

Jan  
Future Entertainment Show

Jan  
Generic Modelers: The Wave of the Future

Apr  
GoldenGate 386SX

Jul  
GVP's G-Lock

Sep  
Head to Head

Aug  
Is Your Amiga Too Fat?

May  
Learning C

Dec  
LightRave

Oct  
Making Waves

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Jan  
Maple V

May  
Media Madness

Oct  
Media Madness

Mar  
MITE AVISTA

Mar  
Morph It

Jul  
Multiple Path Assignments

Aug  
Object-Oriented Event Handling

Feb  
One-Stop Music Shop

May  
One-Stop Music Shop

Jun  
Penny Pincher's Cross-Development System

Aug  
Professional Page 4.0

Feb  
PS 400

Aug  
Pseudo Radiosity Effects

Dec  
Reader's Choice Awards

Apr  
Realistic Grasslands Using Imagine

May  
Scientific Visualization

Jun  
Searching Medical Literature

Aug  
Send It To Press

Jun  
Smart Cards & Other Neat CanDo Tricks

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Sep  
Spiral Effects

Jun  
Structured Drawing

Jul  
Structured Drawing

Sep  
Summer CES

Jan  
Teleradiology: The Amiga in Medicine

Aug  
The AC Phone Book

Jun  
The Numbers Game

Dec  
Toaster 4000

Mar  
Toasty EFX for Babylon 5

Aug  
T-Rexx Professional

Apr  
Triple Play Plus & SyncPro

Apr  
Video Music Box v1.6

Jul  
Virtual Reality Systems

Apr  
VisionModeller 3D

Nov  
WOCA

Sep  
WOCA-Australia

Nov  
Working with Color

Dec  
Working with Color II

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## 1.15 AC 1993, Features

Nov  
Digital Image Special F/X

Dec  
Digital Image Special F/X

Nov  
Online

Dec  
Online

## 1.16 AC 1993, Reviews

Jun  
AdRAM 540

Nov  
AirLink 2.5

Mar  
Amiga Action Replay MK III

Oct  
Amiga E

Aug  
AmigaVision Professional

Mar  
AMOS Professional

Mar  
Art Expression

Aug  
AsimVTR

Jan  
Back to Basics

Oct  
Bernoulli MultiDisk 150

Sep  
Caligari 24

Apr  
CanDo

Mar  
CineMorph

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Jun  
C.L.A.S.S.

Nov  
ColorBurst

Apr  
Contact 2.0

Dec  
CygnusEd Professional

Jul  
DeluxePaint IV AGA

Mar  
DeluxePaint IV Videos

Oct  
DKB 1202

Dec  
DKB 3128

Jan  
Final Copy II

Apr  
fingerTalk

Jul  
Golden Gate 486SLC

Dec  
GVP's SCSI/RAM+ and CSA's Twelve Gauge

Oct  
HELM

Feb  
HotLinks Edition 1.1

May  
Image-FX

Jan  
KindWords 3

Jan  
MathVISION

Apr  
MaxiPlan

Nov  
MegaD 3.0

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Apr  
Morphus

Jul  
OpalPaint 2.0

Aug  
Paint and Create

Feb  
P.F.M. Plus

Feb  
PhunnyPhonemes

Nov  
Picasso II

Jun  
Presentation Master

Sep  
ProControl

Aug  
Quarterback Tools Deluxe

Aug  
Rayshade

Aug  
Real 3D 2.0

Sep  
ReSource Disassembler

Oct  
Retina

Feb  
RocKey and RocGen Plus

Jul  
ScapeMaker 3.0

Oct  
Scenery Animator 4.0

May  
SuperJAM! 1.1

May  
T.A.B.S.

Jul  
The Context Bible

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Feb  
The PatchMeister

Jun  
Toaster Cozzy

Jan  
TruePrint/24

Dec  
TV Paint Professional

Jul  
TypeSMITH V1.0

Nov  
VLab

Sep  
Word Construction Set

Jul  
Wordworth 2.0 AGA

## 1.17 AC 1993, Programming

Jan  
Image Compression with I.F.S

## 1.18 AC 1993, Projects

Oct  
Keeping Your Cool II

Aug  
Making Printed Circuit Boards

Feb  
The Fat A2000

Feb  
The Fat A500

Jul  
The Fat Floppy

Jan  
Using Laser Disc Players with the Amiga

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## 1.19 AC 1993, Diversions

Nov  
Air Force Commander

Nov  
Alien Breed Special Edition

Apr  
A-Train

Mar  
Bill's Tomato Game

Sep  
Caesar

Nov  
California Games II

Nov  
Chaos Engine

Jan  
Civilization

Apr  
Combat Classics

May  
Conquest of Japan

Jun  
Covert Action

Jun  
Curse of Enchantia

Apr  
Cyber Empires

Sep  
Cytron

May  
Darkseed

Oct  
Desert Strike

Jan  
Dojo Dan

Sep  
Dune

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Feb  
Eye of the Beholder II-The Legend of Darkmoon

May  
Fables & Fiends: The Legend of Kyrandia - Book One

Feb  
Fighter Duel Pro

Nov  
Flashback

Dec  
Harpoon Challenger Pak: Signature Edition

Sep  
Hook

Apr  
Indiana Jones and the Fate of Atlantis

Mar  
International Sports Challenge

Jan  
Loom

May  
Lords of Time

Jan  
Ork

Dec  
Pinball Fantasies

Jun  
Quest for Glory II: Trial by Fire

May  
Robin Hood: Conquests of the Longbow

Jun  
Shadow of the Beast III

May  
SimEarth

Jan  
Third Reich

Feb  
Treasures of the Savage Frontier

Feb  
Vektor Storm

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Oct  
War in the Gulf

Oct  
Zool AGA

## 1.20 AC 1993, Public Domain Software

The Fred Fish Collection

Jan  
FF730-750

Feb  
FF751-770

Mar  
FF771-790

Apr  
FF771-810

May  
FF800-830

Jun  
FF824-850

Jul  
FF837-860

Aug  
FF851-870

Sep  
FF859-880

Oct  
FF881-900

Nov  
FF900-910

Dec  
no new disks

## 1.21 AC 1993, Special Features

Apr  
Gases & Gas Objects

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Apr  
Make Your Business Look BIG with GVP's PhonePAK VFX

Dec  
Making an ADPro Front-end with HELM

Jul  
NAB '93

Mar  
Playmation

Mar  
Rubbing the Lamp

Feb  
The World of Commodore mit Amiga 92

Apr  
TurboPrint Professional

Jun  
World of Commodore Amiga NY '93

Feb  
WORLD OF COMMODORE AMIGA TORONTO

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