## ADARAGE

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## ATARI AGE CONTENTS

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like Sorcerer's Apprentice and the new Taz game. Don't let the cartoon graphics fool you, either-a game like Taz is fine for little brothers, but it can really fry you at higher play levels.

And if you're itching for arcade action on the Atari 2600 system, there's no hesitation giving a special recommendation to Crystal Castles. It's a fine example of the new iook in Atari 2600 games - more moving objects on screen, flicker-free animation, and complex gameplay.

One more note before you move onplease don't take anything in our special April Fool's parody section seriously! I've been

## New Cartridge Report



## millipede



For Atari 2600 and 5200 systems
Attention all Centipede fans - an army of Attention an even trickier breed of bug, has invaded the garden. You but he warned - the invaded to shoot at them, but alone. Jumping spiMillipedes did not come ancing beetles, mosquiMers, buzzing flies, bouncing and earwigs ders, dragonflies, inchwo with its own deadly
have also arrived, each with for Atari home powers! Millipede is ready for Atas and
Now Mast Nowlayers, and the action is features with gameplay. Millipede shares mag-blasting goal, the furious. Centipede - the basic bug-blast and the jumping mushroom-dotted playfied, any new features musiders-but there are many ne mindboggling which make this a hotter, mosin. contest than its classic coen does not stay in In Millipede the sc
-it changes as the game
one place - it changes a hole in the progresses. This shoots of arranging the time-honored trad a centipede screen and mainmushrooms on a centill the end-now the taining that pattern closer to the shooter, and mushrooms move closear at the top of the new mushrooms apper in Mil screen. are lots of other new features infation There are loting an entertaining wew weapon in lipede, includinew bugs, and a new wosits are of all sorts of nem -DDT. DDT dyem. Hit them dealing with ts around the playfielde into a placed in spotsoter and they explonteed to wipe with your shoonous DDT, guaran to run cloud any insect unlucky enough through it.
scheduled for March release for Atari 2600,
May release for Atari 5200.

Screen: Atari 5200060
Top Screen: Atari sari 2600

## Battlezone



## AVAILABLE NOW FOR VIDEOGAME MASTERS COMPETITION PLAY <br> Like the arcade original, you are seated in

 the turret of a powerful tank looking out at the battlefield ahead. Keep one eye on that radar screen at all times - every a fight. appears is an enemyds of enemies in You'll face five kinds of en its own special Battlezone, each posing faster-moving Superthreat. First tanks and faster-moul. They can tanks launch a punishing assaut.last you from any angle, but you have to be facing them to land a shot. ear, you have a When Flying Saucers appear,'re worth big scoring opportunity - they're awfully hard 5,000 points each - but they re of these to hit. And concentrating on wide open to a elusive targets can leave you
anters descend and really put Then the Fighters descend and your tank the heat on - they zigzag ointblank range, they and, when they reach pointht at you. Another veer to the side and fire in astounding nonformidable opponent in an astlezone. stop action challenge -


## Crystal Castles



For Atari 2600
There's good news for all of us who insist here's still plenty of life in the Atari and it's a tem-Crystal Castles has ared the beauty! For those orcade version of Crystal in a small Atari hit arcade explaining to do in bentley Bear, we have a lo hero of the game is Bent a series of space. The her life is to zip through efore they whose goal inles, collecting gems before Crystal Castles, can be gobbled up by are not alone Eaters. Bentley and-far from it! Crystal Ball ind Nasty Trees aggressively pursue poor Bentley too. Ghosts the castle, creating move randomly around the ce's Berthilda the un-bearable peril. Then of the castle, who can Witch, the evil mistress of the cley is wearing only be eliminated when Bentes him temporarily the Magic Hat, which mak variety, invincible. If this sounds like a lot of action and strategic is. There's lots of fast moves Castles. Can Bentbattle in a game of Crystal Castle, instead of ley get the
letting an enemy get it? There's a bonus if he can, but it takes extra care. Ges them just as eliminated, if Bentley cab but it only takes them they're eating a gem-bue, and bumping into a a split second to eatore, late is fatal to our Gem Eater even a hair the extra points worth brave little bear. Are quick enough to get away the risk? Are you quick eork, or should you be with some fancy footwork, or how long you more conservative and see you in control, with
last? Crystal Castles to master. plenty of ga incredible, but Crystal It seems 2600 system boasts all the graphics and the Atari 2600 sed, with excellent grapical harwe've mentio mount of top-notch castle to castle, a surprising amoun ess from castle to cast with mony. Players progres and different layout with encountering a new an infinite number of leveach turn. There are are difficult, as your eneels, progressively more dificure aggressive. It's mies become faster and maze-style game with a three-dimensional mares to keep any player enough special features an Atari 2600 Trakjumping. And if you hame becomes even better! schedule April release for Atari 2600 Scheduled for April release for Atari 2600 $\square$

## Kids Cartridge Report



## MANT TO KNOW MHAT'S COMING BEFORE EMERYONE ELSE KNOMS?

## LIKE TO HAVE GAMES NOBODY ELSE HAS?

## WANT MORE INFORMATION ABOUT HOME COMPUTERS?

We just got the results of some research, and learned something very interesting - the average copy of Atari Age is read by 5 people! That means 4 of you reading this magazine aren't members of The Atari Club. Of course, we're happy to have as many people as possible read the magazine. But wouldn't you rather have your own membership?

Club members get their own copy of Atari Age, the full-color Club magazine, delivered to their homes every two months.
They are eligible to win Atari Club contests with incredible prizes like computers, stacks of videogame cartridges, Trak-ball controllers - even a trip for two to the Olympics!

Members can collect ARCs and enjoy big savings on membersonly ARC offers.

They can purchase Atari Club Exclusive Cartridge Introduction games - exciting new cartridges produced by Atari and offered only to Club Members.
And there are lots more members-only benefits coming in the months ahead.

## A FULL YEAR FOR A BUCK!

That's right - to get as many people as possible signed up for Atari Club membership, we're offering a full year's membership, including six issues of Atari Age magazine and all the other benefits and privileges of Club membership, for just $\$ 1$.

So don't wait - use the coupon below to become a member of The Atari Club. We make Atari fun even more fun!

## YES!

I want to join The Atari Club. Please start my 1-year membership right away. 1 am enclosing $\$ 1.00$.

Name
Address


## YES! <br> I want to join The Atari Club. Please start my 1-year membership right away. I am enclosing \$1.00.

## Name

Address


# GAME-GRAMS 

## Dear Atari Club,

Concerning ARCs, I was wondering, what if your friend gave you his ARCs so you could buy something? Would you be able to do that? Also, how do Club members renew their membership?

Trevor Linhart Sugar Land, TX
You can trade ARCs any way you want-give them to friends, or combine them and take advantage of an ARC offer together. This works especially well if you are part of a videogame club-have everybody pool their ARCs and add to the club's game and controller collection quickly.

As to membership, we will include a renewal notice with an issue of the magazine when your membership is expiring. A word to the wise-respond right away! We can't afford to do what some magazines do, sending you notice after notice to convince you to resubscribe. You'll get one or two notifications, and then we'll have to take you off the membership list. Don't let that happenthere's too much excitement coming up in the months ahead!

Dear Atari Club,
In the Nov./Dec. issue of Atari Age there are 56 cartridges in the listings. Jan./Feb. there are 43 cartridges. Mar./ Apr. there are also 43. May/June there are 38, so from Dec. to May we (the Atari Club members) have lost out on 18 cartridges. What happened?

Robert Galasso Babylon, NY

Like movies, television series, books or records, videogaming is an entertainment business, and the latest release is the one people want. Atari has been removing older, less popular cartridges from its current product list slowly but surely. This has created an interesting phenomenon-collectible cartridges! Pretty soon, some of those older Atari games will be worth quite a bit to collectors. Look for some hints for game collecting, along with a complete checklist of every videogame Atari ever released, in an upcoming issue of Atari Age.

- Editor


## Dear Atari Club,

Do you have to order something in order to enter in a contest? l've been wondering about this. I notice that it always reads "complete the order and entry form and send them together." Would it make me ineligible if I sent the contest entry alone?

Eric Stolarski Houston, TX
You absolutely do not have to order anything to enter an Atari Club contest. We have sometimes asked members to send the order form along with the entry form to make sure the spaces for name, address, and club account number were filled in. You see, our winners do have to be members of the Atari Club! Recently, though, we've included spaces for all the necessary information right on the contest entry form, and will continue to do so to avoid confusion.
-Editor

Dear Atari Club,
I recently went to one of your computer camps and I thought it was SUPER. I had loads of fun and I learned a lot too. So I would just like to recommend it to all the fellow Atari Club members out there. If you're thinking about going to camp, this is the one!!

Oscar Fowler
Nogales, AZ

The Atari Computer Camps are not an Atari Club project-they're run by a separate division of Atari. But heck, those people are friends of ours, and we're more than pleased to pass along your recommendation to all the Club members out there. Anyone who wants to know more about Atari Computer Camps can call toll-free 800-847-4180 (in New York State call collect 212-889-5200).


# SOLUTION SECTION 

## EDITOR HUNT CONTEST

You've heard of the Face That Launched A Thousand Ships? Well, perched precariously between your editor's shoulders is the Face that Launched Two Thousand Five Hundred Envelopes. Actually, we had hoped for even more response to the challenge of picking your own true editor's smiling face out from a panel of eight imposters. The contest, which ran in the September/ October 1983 issue of Atari Age, certainly wasn't short on tempting prizes!

Take first prize, for instance - an Atari 800XL home computer. Not too shabbyand we're sure Kent Britt of Indianapolis, IN will feel the same way when it arrives at his home.

Ten of you won Atari Remote Control Wireless Joysticks for simply finding the editors' bearded face in the crowd. Another hundred took third prize for the same feat, and received Atari 2600 Jungle Hunt cartridges for their trouble. Then 500 of you claimed 5 ARCs each for fourth prize.

The winning picture, by the way, was letter "D". You've probably already found the unmasked faces of both Steve Morgenstern and Design Director AI Conner (contest letter C) smiling at you from page 5 of this issue.


## Atari News

## ATARI WINS BIG IN ANNUAL ARTIE AWARDS



In the fifth annual Arcade Awards (Arkies), sponsored by Reese Communications and Electronic Games magazine, Atari once again demonstrated its leadership position in the videogame industry with six major awards, plus seven Certificates of Merit.

At the head of the parade of Atari award winners was Ms. Pac-Man, chosen Videogame of the Year in the 16 K memory-or-less division. The judges wrote, "Ms. Pac-Man is more than just another 'good game', because its graphics are tied to excellent play-action."

Other first place finishes include Vanguard for the 5200 system as Best Science Fiction/Fantasy Videogame, Centipede as Best Computer Action Game, Kangaroo for the

5200 as Best Arcade-to-Home Videogame Computer Game Transration, Pole Position as Coin-Op Game of the Year, and Xevious as Best Science Fiction Fantasy CoinOp Game.

The following games were awarded Certificates of Merit:

Centipede (Atari 5200), Videogame of the Year, 16 K or more memory

Phoenix and Moon Patrol (Atari 2600), Best Science Fiction/Fantasy Videogame

Six (Atari 5200), Best Videogame Audio/Visual Effects, 16 K or more memory.

RealSports Baseball and RealSports Football (Atari 2600), Best Sports Videogame

The second contest in the fourpart SwordQuest competition is over. In January, 50 finalists were
flown to Atari headquarters in is over. In January, 50 finalists were
flown to Atari headquarters in Sunnyvale, CA to play head-toSunnyvale, CA to play head-to-
head in a specially programmed version of FireWorld. The first
to finish this puzzle would claim version of FireWorld. The first
to finish this puzzle would claim the FireWorld prize - a 24 K gold chalice studded with diagonds, rubies, and other precious gems, valued at $\$ 25,000$. Fifty minutes into the play-off, one set of eyes come unglued from the television screen. They belonged television screen. They belonged
to Michael S. Rideout, an Atari Club member from Aiken, SC. Victory was his - not only did he receive the golden chalice, but he won the right to return for the SwordQuest finals, the ultimate test in the series. The winner of this last competition will take home an incredible jeweled sword valued at $\$ 50,000$.
Two of the SwordQuest prizes have been claimed so far, and both have gone to Atari Club members -loyal readers will re- member that Steven Bell of St. Clair, Michigan won a gold talisman valued at $\$ 25,000$ by capturing the Earth World championship in May, 1983.

BULLETIN: The deadline for the third leg of the Sword Quest competition, WaterWorId, has been extended. The new deadlines are: entries postmarked by April 15, 1984, and received by the judging agency by April 30, 1984.

## ATARISOFTATARI HITS FOR MANY SYSTEMS

A hot new name has burst on the computer scene-ATARISOFT.

In just six months, ATARISOFT released six major arcade hits for five computer systems, plus Colecovision and Intellivision. Thirty-seven titles in all were available by Christmas, with seven more available soon afterwards.

The ATARISOFT line includes sizzing software titles for Commodore, Texas Instruments, IBM and Apple computers, along with the Coleco and Intellivision game systems. Some of the games already released include Pac-Man, Centipede, and Defender for all seven systems, and Pole Position, Moon Patrol, Ms. Pac-Man, Joust, Dig Dug and Jungle Hunt for all except Intellivision. For the complete ATARISOFT selection, check with your local videogame or computer software dealer.

Arcade hits are only the beginning from ATARISOFT. Throughout 1984 ATARISOFT will introduce exciting home management, personal development, and learning software.

# ATARI SHARING THE OLYMPIC SPIRIT 

Share Atari's spirit as an official Olympic sponsor by ordering these high quality items featuring the Atari Olympic logo.

You will be proud to have these exclusive Atari souvenirs of the 1984 Olympic Games. Plus, by ordering these items, you will be help-
ing America's Olympic effort in Los Angeles-a portion of each order will be donated to support amateur sports in America. Atari is committed to the excellence, pride and dedication of the Olympics. So share this Olympic spirit with Atari and order today!


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## ATARI UNCOVERS VALUABLE "LEGACY"

Many of the hottest cartridges Atari produces are adaptations of arcade games, but there's plenty of originality to be found at Sunnyvale, CA headquarters too. Here's the scoop on a spectacular new game headed for release on both Atari 5200 (tentative) and Atari home computer systems in the next few months. The title ths. The title
FINAL LEGACY takes place in a futuristic setting of allout warfare. Land-based automated missile bases are your primary target. You command a heavily armed ship called The Legacy, which is equipped for battle on three fronts-torpedo combat against enemy ships, sea-toland raids to blow up the hostile missile bases, and sea-to-air defensive weapons which you train on incoming missiles to destroy them before they can impact on your cities.

There are four entirely different game scenes to play, each requiring it's own set of videogaming skills. First is the Navigation screen-it's a map showing your ship's position, the location of the enemy missile bases, and the deployment of enemy ships. Take your ship within range of a missile base and switch to Sea-to-Land mode. You are now watching a scanner which lets you target enemy missile sites and blast them with powerful E-Beams. Unfortunately, as soon as you open your attack, the missile base fires its full armament, so you'll have to polish off the bases fast and shift into another battle mode, Sea-to-Air, to blow up those incoming missiles before impact.

Of course, you're not alone on the high seas. Warships, Hunters, and Intelligence Ships are after you, and your only hope for surviving is a keen eye and fast joystick in Torpedo mode, the sea battle segment of Fina: Legacy.

There are plenty of additional complications to keep the game interesting, including strategic maneuvering, damage control, fuel conservation, and lots more. Another important feature is the full range of skill levels available. There are six in all, ranging from Ensign up to Fleet Admiral, so beginners can play successfully while experts have plenty of challenge available.

There is only one game on the market today which even vaguely resembles Final Legacy, and that is Star Raiders. While the two games are very different from one another, they fit into a category of videogame which has rarely been done well-games which test both battle strategy and arcade-style play skills. Players were sharp enough to recognize the superb qualities of Star Raiders, even though it was not a well-known arcade title, and made it one of the most successful computer games ever. We predict similar popularity for Final Legacy watch for news of its release in an upcoming Atari Age.

## PLAN NOW FOR TRIP TO THE ZOO

Atari has a new job for you. In the home adaptation of the Taito arcade hit Zookeeper, you are Zeke, the man who keeps the animals from behaving like, well, animals. They have a nasty habit of breaking out of their enclosures. You can't let a bunch of camels, elephants, lions, and snakes run loose!

No, you have to run around that enclosure and, as the animals eat away at the brick walls, replace the bricks to keep them in.

There's more to the gameplay, as you might expect. For one thing, bonus objects keep popping up at different spots on the wall-reach them before they disappear for extra points. When an animal does escape, you have to avoid it, either by running away or jumping over, or there will be one less Zeke at the zoo. You do have another weapon in your fight to best the beasts-a net appears occasionally, and you can use it to pop escapees back into their cages, if you grab the net and reach the creatures in time.

So far we've only described what happens on the first screen-you still have to rescue Zeke's true love, Zelda, from a coconut-tossing monkey. To do that, you scramble up a series of moving ledges, ducking the coconuts and grabbing bonus objects as you climb to the top.

The frantic arcade fun of Zookeeper is scheduled for release for the Atari 2600 system.


At the Atari Coin-Op Games Division, there is a proverbial magic bag of game ideas, gleaned from countless brainstorming sessions over the years, to which programmers and engineers go to begin a new project. The ideas are usually no more than a few vague phrases or a rough design sketch. For example, the original idea, jotted on a file card, from which Centipede sprang, stated simply: "A segmented worm that the player controls to crawl across the screen." From that basic thought came one of Atari's most popular games ever.

A finished game often bears little resemblance to the original idea. It sometimes seems, in fact, that selecting a game idea from the brainstorming session files is simply a time-honored ritual among Coin-Op game designers, adhered to for tradition's sake. But all good games have to start somewhere, and the ideas in the Coin-Op grabbag are often springboards for greater works of the imagination.

Crystal Castles, one of Atari's newest coin-operated video games, is a case in point. According to the Crystal Castles project leader, Scott Fuller, the original game idea that he and his crew selected was for a variation of the classic Atari game Asteroids. In the variation, the game was to be played in a simulated three-dimensional landscape of mountains and valleys from which the player would have to avoid or destroy rocks falling from space. Since the playfield resembled a topographical survey map, the name TOPOROIDS was invented, from TOPOgraphics and asteROIDS.

According to Scott, it was the unpopuIarity of that name, that killed the original idea and turned an outer space shoot-em-up into an adventure maze chase game.

Scott and his group retained the basic elements of the idea, though they altered the form considerably. The rugged landscape has become a series of elaborate castles and dungeons; the asteroids have turned into ruby-like jewels that litter the castles' passages; and the player is now represented by a cute but determined little teddy named Bentley Bear. Bentley's foes still descend upon him from the sky, but they have taken the form of witches, crystal balls, evil trees, dancing skeletons, and swarms of angry bees.

The object of the game is for Bentley to race through the labyrinthine castles, gathering the scattered jewels while dodging his antagonists who are themselves trying to collect the rubies.

Franz Lanzinger was the game's programmer and is largely responsible for how the game appears. "Franz threw in a lot of features late in the game that made a big difference in how it turned out," Scott asserts. "When Franz put elevators into the castles and came up with the magic hat (which allows Bentley to become invincible for short periods) the game really started taking shape.'

Still, the game had a distance to go before it reached production. When it was first tested in selected arcade locations, gameplay started out high, then dropped off. The project team considered a number of possible reasons to account for this. Players were probably

first attracted to the game by its magnificent graphics, they figured, then found it either boring or too difficult. Scott tended to think it was the latter. "Some of the players complained that the swarms of bees were too aggressivethat it was too hard," he says. So the game returned to the programming lab in Milpitas, where the project members toned down the killer bees and added more creatures and features plus a wider variety of video colors.
When they were finished, the game featured 16 different castles which undergo variations each time they appear. After every hundred plays, the game's entire color scheme changes automatically. Also impressive is the fact that the top scoring player's initials, in addition to being kept on an electronic score table, are incorporated as large block letters in the architecture of the first castle.

The game was sent back into the field for further testing, where player enthusiasm started high and remained high. "It seems that it has fantastic potential for longevity," says Scott. "There have been new games that have earned more at first, but Crystal Castles has been at the test location for several months, and earnings haven't dropped yet." To Scott, this indicates that the game is developing a "following"- much as Centipede and Asteroids did - of video aficionados who may remain devoted players for months, or even years. This could mean that Crystal Castles is on its way to becoming another Atari arcade classic.



## ARCADE CRYSTAL CASTLES TIPS

## WARP TUNNEL

Watch for the door to appear on the screen when beginning a new game. Maneuver Bentley Bear through it and press JUMP. This is your passageway to the same level of play you just completed in the preceding game, provided you were able to make it all way through the first maze of that level. If not, you'll jump up to the next lower level.

## SECRET WARPS

In level 1, get Bentley to the back lefthand corner of the maze and press JUMP. That will take you to level 3 where you can do the same thing-only this time Bentley must be wearing the magic hat and positioned in the rear corner of the hidden ramp to jump to level 5. Now you must wait until the 3rd maze ("Crossroads") of level 5 before another secret warp can blast you off to level 7. Just get Bentley to the back left-hand corner of the top wall: then hit the JUMP button.

## NASTY TREEES

Although Bentley can jump over these aggressive opponents, causing them to freeze and shrink for a second or two, your best strategy is to keep obstacles between them and Bentley.

## CRYSTAL BALLS

While the trees go directly toward where Bentley is, the crystal balls seem to head for the spot where he has just been. Your strategy here is to move in one direction and then change course suddenly.

## GEM EATERS

These are relatively stupid creatures. Although Bentley can catch them while they're eating, it's best to avoid them in the higher levels, when it takes these critters less than a second to digest a gem.

## SWARM OF BEES

The swarm appears when Bentley takes his own sweet time in picking up gems. If you can get the honey pot right away, this delays the bees from coming out. In higher levels, they get more aggressive-no longer dropping down to the honey pot spot but dropping down right on Bentley!

## GHOST OR SKELETON

They move randomly within their immediate areas. Because they tend to be fairly slow, Bentley can tiptoe around them, but the better strategy is simply to avoid them altogether.

## BERTHILDA THE WITCH

Berthilda takes to her broomstick in one small area in the lower levels of gameplay, although she boldly flies about the mazes in the higher levels. Bentley can only capture her when wearing the Magic Hat which protects him for about 5 seconds.

## CAULDRON

This obstacle must be avoided unless Bentley is wearing the hat. It's really there to make you practice your jumping skills.

## Master Strategy Cuide



It's spring, and a young man's fancy turns to thoughts of sports...doesn't it? Atari game fans certainly have plenty of terrific sports games to think about, and our Club members have proven it, with dozens of letters offering helpful hints on RealSports games for the Atari 2600 and 5200 sys-tems-and even a neat secret message for Atari 5200 Football fans!

We're still collecting tips and tactics for future issues of Atari Age, and sending game cartridges free to the contributors whose suggestions are printed. Send your discoveries to The Atari Club, Master Strategy Guide Department, 120 Brighton Rd., P.O. Box 5068, Clifton, NJ 07015.

Realsports Football (2600)-Its the Blitz! Against the computer always blitz on defense. If it runs, the blitzing men will stop it. On a pass the computer will not move the quarterback, so your player can cover the receiver. Up to $50 \%$ of its passes can be intercepted this way.

Ralph Haefner Mankata, MN


## Realsports Baseball

(2600)-Bungle Bunt In games number 3 and 4, l've found a really good playing tip. When you're playing the computer and you're up to bat, try to bunt. For some reason when you bunt, the catcher throws the ball to the first baseman, and when he catches it he throws it immediately, and he doesn't tag the base so you can get an easy base hit. Watch out-this happens most of the time, but he does tag the base rarely. This strategy will help you defeat the computer.

Jason Mazzei
Havre de Grace, MO

## SPORIS GAMES

## Realsports Baseball

(2600)-It's A Steal

If you have a man on third base and steal him home while the ball is being pitched, you are able to make any man on any other base automatically jump. As soon as your third base stealer is almost home, quickly switch the man you're controlling to the man that's at bat and swing at the ball. As soon as the man running from third is home, your runner and any other man running to a base on the field will jump to that base.

Mark Miller
Van Nuys, CA

## Realsports Football (2600)-Making the Passing Grade

 I discovered that if you are going out for a pass, right when you pass the ball come back a little bit. You'll find this will help complete about $85 \%$ of your passes-it helped me. Brian Dixon Tampa, FL
## Realsports Football (5200)-Super Secret Reveated!

I think I found the secret message. On a practice game with regulation time, in the fourth quarter with the score 112 to 3 , I scored a touchdown with no time left in the game. Instead of the scoreboard flashing "Game Over", it printed "Designed by the Warlord.

Warren Dalton
Greenville, SC

## THE HIT <br> LOOK SHARP, ATARI 2600 SYSTEM OWNERS <br> -THREE OF THE

 BIGGEST ARCADE HITS OF ALL TIME ARE HEADED STRAIGHT FOR YOUR LIVING ROOM:

The skies are swarming with Landers, Mutants, Yllabian Space Guppies, Firebombers, Pods and Swarmers, Dynamos, Bombers, Baiters, Phreds. Munch-ies-enough firepower to challenge a whole star fleet division. But you're the only good guy in sight-just you and the awesome Stargate space ship you command!


If you've heard the term "word processing" and thought it was too complicated for you, read on-word processing is the right way to write for a growing number of people.
'Why do I need a home computer?'
We've dealt with that question in this series of articles once, by running quickly through a catalogue of potential home computer applications, from recordkeeping to telecommunications to the everpopular computer gaming and, of course, education. Now let's take the time to look more closely at one home computer function which, for many readers, will justify the purchase of a home computer system all by itself. As those of you who read subheadings already know, we're talking about word processing.

There aren't that many things in life that we civilians "process"-we may munch on processed cheese food, or wait for a tax return to be processed by the government, but we don't do much processing on our own. However, "word processing" is something we do all the time, in a sense. Every time we write or speak, we are manipulating words, choosing and moving and massaging them until they communicate as effectively as possible. What the computer does to improve your everyday "word processing" is to make all that moving and shaping of written material infinitely easier to perform. Using a typewriter is like carving a statue in mar-ble-if you make a mistake, you either live with it, start over from scratch, or make some messy repairs. When you word process, making mistakes can actually be fun-they let you put some of the fancy features of your word processor to work.

## WHO NEEDS IT?

Once upon a time, when computers were bulky and expensive, the only folks who could use word processing were big companies with extensive typing requirements and those mail-order sweepstakes people who like to print your name in the blanks every third sentence. Today, though, inexpensive computers and printers bring the power of word processing within reach of lots of people who can make good use of this capability.

High on the list of likely candidates for word processing are students, from junior high school through graduate school. As I write this, I think back with lingering horror to coffee-stained nights in college, as dawn crept closer and I feverishly typed page after page of a final draft paper due that morning. If I had word processing, I could have made whatever changes I wanted on my rough draft and let the computer print out the revised final form, error-free and perfect. Want to make another change? No problem-just make the correction in the word processor memory and let it print out another clean copy. Just think of the time I would have
saved! Why, I could have used those extra hours to study more, and become a lawyer like my Mom wanted! Alright, so I probably would have spent most of the time playing more pinball, but it certainly would have been better than slaving over an unforgiving typewriter.

Who else needs word processing? People who produce written material for a living or a hobby, certainly, and that isn't limited to so-called "writers." If you have a business that requires letter-writing or preparing typed reports or bills, word processing can help tremendously. Even if the only writing you do is sending letters to a flock of relatives, word processing will make the job easier to handle.

A common mistake people make when thinking about word processing is assuming that you have to be a great typist to use it. Forget that idea-one of the beauties of using computer word processing is that, when the final document is handed in, it will look the same whether it was typed by a 125-word-per-minute demon typist or the puniest hunt-and-pecker. Mistakes? They're gone with the flick of a few keys. And if you need several versions of a similar text, you can make only the changes you need and print out separate copies, without retyping the whole text each time. If typing is a time-consuming chore for you, that's a mighty powerful ability to gain.


## WHAT DOES IT DO?

It's time to go beyond the general statement that "it's better" and offer some details about what specific functions make word processing such a time-saver. The capabilities described here are all available with the AtariW/riter word processing software package and any Atari home computer.

When using a word processing system, you type on a regular typewriter-style keyboard, as you ordinarily would. However, instead of having the words appear directly on paper, they go two placesthey're stored in the computer's memory, and displayed on your television screen.

This system makes it easy to change what you've written or make corrections. There is a blinking light called a "cursor" which indicates where the next letter you type will appear. By moving this cursor
around through the text, you can find the spot where a change is needed, delete whatever you don't need, and add in whatever needs to be added.

You can move the cursor around through your text one letter at a time, backward or forward, or you can leap through the text a line or a screenful of lines at a time. You can even jump instantly from the beginning to the end of a document, and vice versa.


Your word processor also gives you lots of flexibility in adding and deleting text. You can delete one letter at a time, or you can really move quickly and delete entire lines, paragraphs, or even large blocks of text by pressing a few keys. Adding in text is even easier-once you've placed the cursor where you need it, just type the new material. All the words which follow the new material will automatically be moved down to make room for the addition.

## QUICK CHANGES

Changing one word at a time is very useful, but that doesn't start to flex your word processor's muscles. Remember, you will have your text stored in the computer's memory, and the computer can scoot through that memory with electric speed, moving chunks and making changes that would take just about forever by hand.

Here are a few of the more "muscular' operations your word processor can perform:

Block Delete: Mark the beginning and end of the text you want to get rid of and press two additional keys-the unwanted text disappears.

Duplicating Text: Want to repeat a section of your writing somewhere else? Just mark the section you want duplicated, move the cursor to the spot you want the copied text to appear, and press two keys. Presto! If you have two similar sections in your text, this technique is very handy. Just do the duplication, then change the couple of words or numbers that need changing.

Moving Text: Did you reread your work and decide that a line or a paragraph should have been in a different place? Mark that section off. Move the cursor to the spot where the text should go. When the cursor is on target, fire away with two keystrokes-mission accomplished!

Search and Replace: Good grief! You wrote an entire term paper about Franklin Eleanor Roosevelt and just found out that

his middle name was really Delano (you knew something sounded peculiar, didn't you?). Yes, you do have to crumple the typed draft you're holding, but no, you don't have to start from scratch. You don't even have to search the paper for every time the name "Eleanor" appears. Just tell the word processor to find every "Eleanor" in the paper automatically. Want to change them all to "Delano"? Just tell the computer once, and "Eleanor" becomes "Delano" throughout the paper. But hold on there-all of a sudden FDR has a wife named Delano! Instead of making the change throughout the document, you want the computer to find each "Eleanor" and check with you about whether or not to replace it. That may sound tricky, but for your word processor, it is the proverbial 'piece of cake'

## GETTING IN SHAPE

Centering: A simple command will center a word or phrase in the exact middle of a line. You can also shift a line all the way over, so it will end precisely at the right margin.

Headers, Footers, and Page Numbering: If you would like to have a line or two of text appear at the top or bottom of every page of your document (your name, for example, or some other label), you can specify this at the beginning of the document, and the word processor will automatically insert your header or footer on each page. You can even have the computer automatically number the pages as it prints them!

## WHAT DOES IT TAKE?

To get started using word processing, you need only three pieces of equipment:


Having your text entered into computer memory before it hits the paper lets you shape the printed words before they get printed. Want wider or narrower side margins? Need more space between lines, or between paragraphs? Want to change the number of spaces paragraphs are indented, or the margins at the top and bottom of each page? For each of these formatting decisions you can enter a number in the appropriate spot at the top of your document, and the pages will be printed according to your instructions.
You get some fancy features in this area too!

Type Style Selection: Depending on the kind of printer you are using, you may be able to choose from a variety of kinds of type. For example, when using the AtariW/riter word processing software with an Atari 1025 dot matrix printer, you can select three different type styles, and in addition, use elongated (stretched) type to create dramatic headlines. You can also underline text automatically with this combination.
Justification: When you type on a typewriter, your text is lined up down the left side of the page and uneven on the right-each line stops at a different point. With word processing you can justify the text-the computer will automatically insert spaces in the lines so that both sides of the text will end evenly. - word processing software (the program that tells the computer how to process those words)

## - a printer

Printers are divided into two broad cate-gories-dot matrix and letter quality. Dot matrix printers form letters out of little dots spaced closely together. They are fast, relatively inexpensive, and adequate for most typing needs. However, sometimes only letter quality will do - that is, a solid line letter that looks like it was typed with a regular typewriter. Letter quality printers are slower than dot matrix machines, and used to be extremely expensive. However, Atari recently introduced an interesting new letter quality printer which is priced as Iow as a dot matrix printer-the Atari 1027. Instead of using a mechanism called a "daisy wheel", as most letter quality printers do, the 1027 prints using five rapidly rotating rollers. It's an ingenious design which produces handsome type at a price substantially lower than any traditional daisy wheel printer.

When choosing which type of printer you want, consider speed. If you expect to do a lot of printouts, the far greater speed of a dot matrix printer will probably outweigh the superior print quality of an inexpensive letter quality printer. The decision must be based on your own personal needs.

Folks with word processing experience

have been uncomfortable with this article for the past four paragraphs or so, because I listed the requirements and skipped right over disk drives. No, I didn't forget - the fact is that the three-part computer, software, and printer combination is a better tool than an electric typewriter, even with no additional storage device. It used to be that you did absolutely need a disk drive to do any word processing at all for a simple reason-all the decent word processing software was available exclusively on disk. That's no longer the case - Atari introduced AtariWriter at a very reasonable price in plug-in cartridge form. As a side benefit, this allows owners of computers with unexpanded memories to use word processing just like their 48 K or 64 K cousins.
There is still a very good reason to add a storage device to your word processing system-if you complete a document and want to make changes in it hours, days, or even months later, you will need to have saved that document. Once again, disk drives used to be the only answer, and they're still the fastest, most convenient way to get the job done. However, a disk drive represents a substantial invest-ment-often more than you paid for the computer itself. Once again, AtariW/riter broke new ground, by allowing you to store your writing on a computer cassette recorder. A recorder costs about a quarter as much as a disk drive, and will be perfectly adequate for casual word processors.

The articles in this series try hard to give you the objective information you need to make smart choices in your computer purchases. This time out, I have broken with tradition with a clear endorsement of AtariWriter. How come? Simple-I have used several different word processors over the years, including all of the most popular packages made for Atari computers, and AtariW/riter is quite simply the best inexpensive word processor out there. Happily, you don't have to take my word for it-check out the word processing reviews in other magazines and you'll find a string of unbroken raves for AtariWriter.

That's it for this issue-I'm going to hit the "Print" command now and watch this fifth draft of ComputerWorks print out while I sit back and relax!

## Coin Video Corner

## NOT THE

## Athin <br> Ace

AN UNOFFICIAL GOOF FROM THE ATARI CLUB
APRIL 1, 1984


## THE ULTIMATE CONTROLLER?



## ATARI TO INTRODUCE

## WORLD'S HARDEST VIDEOGAME

"We keep getting letters from whiz kids who say they can turn Asteroids or Defender over half a dozen times with no problem. We decided to do something about it."

That's how West Shell III, Atari Group Product Manager, explains the birth of Ion Patrol, a new release specially

designed to be just about impossible to play.
"It's an invasion game, basically," Shell explains. You have one base per game, with no shields. You're armed with a pea shooter and seven laser beans. In the beginning levels, 18 lon Monsters appear on the screen at once, simultaneously firing Heat-seeking Laser-charged Atomic Omniblasters at your base. To fire back, you have to press the joystick fire button while holding down the game reset switch and jiggling the color/black and white select switch back and forth at a precise 42-times-per-second rate. It's kind of tricky.
"If by some miracle a player reaches the advanced levels, the GLS chip comes into play."

The GLS chip may be the most dramatic technological breakthrough in videogaming history. The GLS (it stands for Good Luck, Sucker) is the first electronic component ever designed to cheat. By combining sophisticated circuit design techniques with general nastiness, Atari engineers created an integrated circuit chip which accepts digital data input and processes it pretty much any way it wants to.
"We thought the only possible use for the GLS would be driving smart-alecky videogame players crazy," Shell told Atari Age, "but we've had requests for samples from a company that makes electronic digital-readout scales, the pay telephone people, and the computer division of the Internal Revenue Service."

## GAMES THAT REALLY SMELL COMING SOON

The nose was big news at January Consumer Electronics Show in Las Vegas, as manufacturers introduced the first videogames equipped with smell!

Not to be outdone by competitors Insmellivision and Coreeko, Atari proudly displayed its 21 st Scentury Game Machine. The system comes with specially designed scratch-andsniff joysticks. Each 21 st Scentury game cartridge will be packed with an Odor Insert which fits into a compartment in the joystick. As players move the stick, it releases a smell appropriate to the game being played.

The first releases announced for the new system were
Big Bird's Rotten Egg
Catch, and a new version of a classic Atari arcade game,
Scentipede.

## BIG BROTHER IS PLAYING! <br> To commemorate the arrival of 1984 and the famous George

 Orwell novel of the same name, Atari programmers are busy working on an innovative cartridge called Big Brother. Unlike other videogames on the market, players plugt on the televicartridge into their Atari VCS game system, sion, and it watches them. Progre-it refuses to be removed from problem with the new cartative release date for Big Brother is the cartridge slot. The tentative June 1984. You willbuy it.

## ATARI GAINS RIGHTS TO FELDMAN

In a groundbreaking move in the field of videogame licensing agreements, Atari has acquired exclusive rights to Norman Feld man, a butcher from Forbush, North Dakota. While the exact amount of the agreement remains secret, sources indicate that Mr. Feldman received a six-figure sum for the rights to his life story.
"I was plenty surprised when they called," Mr. Feldman confided to Atari Age. "I figured it was some kind of a joke. But when
 Is the $20-f 00 t$ itter which sends a si formerly radio sta. dale, II, comes com. Joysticks, cable, air. ghts. Note: requires teries, not inclualea. PEMOTE COTte TROL item code CIGNTROL
GEMSTICK CONTROLLER


For the kid who has everything, this jewelencrusted joystick makes an attractive accessory item. Carved in 24 K gold by $100-$ year-old Armenian craftsmen, the Gemstick features 100 carats of diamonds, plus rubies, emeralds, sapphires, and a platinum firebutton.
GEMSTICK
Item Code $\$$ S $\mathbf{\$ 1 , 2 0 0 , 0 0 0}$
SPECIAL OFFER: With 5 ARCs,
pay just $\$ 1,199,990$ !


ARCADE MACHINE CARRYING CASE

Hate to leave your coin video machine at home when you go on vacation, or to a friend's house? Now you can take it with you! Just pack it into this modern, lightweight Arcade Machine Carrying Case. Compartments for quarters, tokens, Atari Age magazines. Comes complete with hernia.

# OUADRUN DEADLNE EXTENDED 

The Quadrun game cartridge, the second in the three-part Atari Club Videogame Masters Competition, arrived later than expected in Club warehouses. As a result, Club officials have decided to extend the deadline for entering the Quadrun contest-all entries must now be postmarked by April 30, 1984, and received by May 15, 1984. This full added month means that even players who have not ordered their Quadrun cartridges yet are still in the Quad-running for a fantastic prize package including Canon cameras, an Atari home computer, and trips for two to the 1984 Olympic Games in Los Angeles.


QUADRUN (for Atari 2600 only) Item Code C97 $\$ 31.95$

Quadrun is an Atari Club Exclusive Cartridge Introduction. That means it is not available at any store - only Club members can purchase it, directly from the Club.

The game is unlike any other Atari 2600 cartridge. Turn it on and it says its name, right through the TV speaker. Then get into play action and find yourself in a unique fourpart game grid. The challenge is two-fold-save the Runts who try to escape from side to side, and capture the dreaded Runt Guardians who patrol the corridors from top to
bottom. A unique joystick control system pops players from one side of the screen to the other instantaneously for lightning-fast action. This is especially important in a game where players not only have to shoot accurately, but catch their shots before they leave the screen!

The cartridge is on sale for $\$ 31.95$ directly from The Atari Club, either through the mail order form included in Atari Age magazine or by calling the toll-free order-taking number with credit card orders $-1-800-$ $538-8543$ (in C A call 1-800-672-1404).

Quadrun features brilliant colors, one-of-a-kind play action, and a very special reward for really hot playersthe top two Quadrun scorers will become Atari Club Videogame Masters finalists and battle it out for the championship at the Olympic Games in Los Angeles.

Complete rules for the Quadrun competition will be included with the cartridge shipment, or they may be obtained by sending a selfaddressed stamped envelope to ATARI CLUB OUADRUN CONTEST, Rules Request, P.O. Box 5036, Great Neck, NY 11023.

## GRAVITAR ENTRIES CLOSE, FUN CONTINUES

All entries are in for the first Videogame Masters Competition cartridge, Gravitar. As we go to press, judges are supervising the elimination process which will take them from over 50 contestants who submitted the highest possible score to the two finalists who will be flown to Los Angeles to compete in the play-offs for the title of Ultimate Videogame Master.

A limited number of Gravitar game cartridges are still available, and even without a contest prize to shoot for, they are well worth grabbing - especially for holders of ARCs, who can save on the Atari Club Exclusive Cartridge Introduction for a limited time (see page 28 for details.


GRAVITAR (for Atari 2600 only) Item Code C88 $\$ 31.95$

Based on an Atari arcade game which developed a loyal following among players seeking a truly intense challenge, Gravitar for the Atari 2600 system pushes joystick abilities to the limit. The player's space ship must conquer planet after planet, knocking out every missilefiring enemy bunker and hovering gently over fuel depots to beam up new energy supplies and continue on to new planets. Boasting four separate galaxies, each with three unique solar systems, Gravitar offers plenty of variation and literally dozens of new challenges as the space mission continues. Any player who claims to be a true Videogame Master will find Gravitar an absolute "must" addition to his or her cartridge collection.

## See page 28 for special ARC discount offer on Gravitar.

ORDER BY PHONE: with MasterCard or VISA - call TOLL-FREE 1-800-538-8543
(CA RESIDENTS CALL 1-800-672-1404)
Monday through Friday. 6:30AM-430 PM Pacific time. Have your credit card available when calling We cannot accept C. O.D. orders.

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PLEASE DO NOT USE THIS ORDER FORM FOR ATARI OLYMPIC MERCHANDISE... SEE SEPARATE ORDER FORM ON PAGE 12


[^0]City
State Zip


If your order from this issue of Atari Age totals more than 535 , you will receive a valuable bonus-a 5 ARC certificate good towards the purchase of selected Atari games and accessories.

For full details on the ARC program, see page 28 .


The Atari Club has its own special bonus system for members only - Atani Redemption Certificates, also known as ARCS.

ARCs let you take advantage of moneysaving ARC offers included in each issue of Atari Age, like the big savings on cartridges and accessories listed at the bottom of this page.

ARCs can be used only in connection with specific offers - they are not good for discounts on any item unless it is specifically listed with an ARC discount price.

You can trade ARCs - collect them save them up-give them to a friend - or pool your ARCs and make a purchase rogether

To put your ARC power to use, just check the special ARC offers in each issue of Atari Age - be sure you have enough ARCs for the item you want - then send them along with a completed Club order form and payment of your special ARC discount price.

That's all it takes to save big with ARCs!

## SAVE NOW MITH ATARI CLUB ARCs

Just pick the ofter you'd like from the selection below, fill in the order form opposite page 26, and send it along with your ARCs and ary payment required. Or keep saving your ARCs for future offers, if you

## OFFER EXPIRES MAY 15, 1984

prefer.

- Receive 5 free with any purchase over $\$ 35$ from this issue of Atari Age - Trade with friends
- Win them in a Club contest
- Earn them as a "Special Thanks" for selected "Your Turn" contributions.
- Get some as a bonus when you renew your Club membership.
- Watch for special opportunities, like the 3 included free with the Now-Feb. issue of Atari Age.



## WITH 10 ARCS

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## CONTEST ENTRY FORM

Complete thes entry form and send it in the athached enveiope of a sepalate empelope to ATAEI CUUB CLOSE-UP CONTEST, 120 Beghton Road. PO Box 5068, CItson. NJ 07015

AN
$3)$ $\qquad$ 4 $\qquad$ 5) $\qquad$
6) $\qquad$
Name $\qquad$
Street Adders
City $\qquad$ State

## CONTEST

In this issue's contest, we're giving you "a piece of the action"-a close-up view of part of an Atari 2600 game screen. All you have to do is identify all 6 game cartridges shown below and submit a valid entry by May 30, 1984.

The idea for this contest came from a "Your Turn" contribution by Matt Nothelfer from Hemlock, MI. Thanks, Matt-we'll be sending you the cartridge of your choice for your help.



Lately the old mailbox here at the Club has contained lots of letters from members who are pleased with the continuing series of Club Exclusive Introduction cartridges-Atari games released only to Club members, available only through Atari Age. There's been more than letters, though-dozens of "Your Turn" contributors have focused their creative talents on exclusive games, and come up with some very nice efforts indeed. We've showcased two Crazy Climber contributions in this issue, and as a bonus, included a poem which neatly sums up a situation we're sure many of you have experienced.

If you'd like to add your wit and wisdom to this section of the magazine, just send your contribution to Atari Age, Your Turn Dept., 120 Brighton Road, P.O. Box 5068, Clifton, NJ 07015. As always, we regret that we cannot return your submission, but if vour masterpiece is printed, there's a free cartridge in it for you, and 5 ARCs each to the folks in our "Special Thanks" list.

## ATARI CLUB MEMBERS LOOK AT CRAZY CLIMBER



## The Clubhouse Store

## ORDER TWO OR MORE ATARI 2600 SYSTEM CARTRIDGES FROM THIS PAGE AND PAY THE SPECIAL DOUBLE FUN PRICE SHOWN

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KRULL Regular Club Price 519.95 DOUBLE FUN PRICE \$9.95 (tem Code \$83)


SUPER BREAKOUT Regular Club Price $\$ 19.95$ DOUBLE FUN PRICE $\$ 9.95$ (Item Code $\$ 42$ )


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Regular Club Price $\$ 26,95$ DOUBLE FUN PRICE $\$ 16.95$ (tem Code 570 )


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Just indicate your choices in the special DOUBLE FUN box on the enclosed order form, or call our toll-free number with your credit card order $-1-800-538-8543$ (CA residents call $1-800-672-1404$ )

PLEASE NOTE: You must order at least two cartridges from this page to qualify for these special prices.

## FREE T-SHIRT WHEN YOU ORDER ANY ATARI REALSPORTS GAME2600 OR 5200 SYSTEM!

For Atari 2600:

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BASEBALL
FOOTBALL
SOCCER
TENNIS

Item Code G11 $\mathbf{5 2 8 . 9 5}$
Item Code G08 528.95
Item Code G05 $\$ 28.95$
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