

**NEW**  
**AND IMPROVED**

# ***Chipmunk***



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## **Atari Disk Copier**

**COPIES PROTECTED SOFTWARE**





# ***Chipmunk***

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Programmed by

Eli Tomlinson  
and  
Mike Palmer

## Atari Disk Copier



Alpha Systems would like to thank Eli Tomlinson and  
MICRODAFT for making CHIPMUNK possible.

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## HOW TO COPY A DISK

Copying most disks is a two part process. First, make a sector copy of the program, then apply the necessary parameters. If you have trouble with Copymate, see the Back-Up notes.

1. Turn on your monitor.
2. Turn on your disk drive -- wait for a short whirring sound from the drive before you proceed. Atari 800 owners should remove the BASIC cartridge.
3. Insert Side B of the Chipmunk disk into your drive.
4. Turn on your computer while holding down the OPTION key (800 users do not need to press the OPTION key).
5. The Chipmunk menu will appear on the screen.
6. Press **M** for Copymate (1200XL owners should press **N** for DiskCopy instead).
7. The Copymate menu will appear -- and say "Insert Source Disk". The source disk is the program you intend to copy.
8. Remove the Chipmunk disk. Insert the source disk.
9. Press **START**.
10. Copymate will begin reading the sectors. Small dots indicate empty sectors, large dots are data, and question marks represent bad data. Be patient, and wait for it to finish.
11. The prompt -- "Insert Destination Disk" -- will appear. The destination disk is the blank disk you are copying to. Remove the source disk, and insert the destination disk.
12. Press **START**. Copymate will format the disk and begin writing the sectors.



NOTE: Copymate is a two pass sector copier. If your computer has more than 64K (Atari 130XEs or upgraded computers), it automatically becomes a one pass copier. You can skip steps 13 - 16, and go to step 17.

13. At the menu prompt -- "Insert Source Disk" -- remove the destination disk and insert the source disk.

14. Press **START**. Copymate will read the rest of the disk.

15. At the menu prompt -- "Insert Destination Disk" -- remove the source disk and insert the destination disk.

16. Press **START**. Copymate will finish writing the disk.

17. The screen says "Copy Completed". You have finished the first part. Now test your copy, following the steps below.

18. Turn off your computer. Leave the destination disk in the drive. Insert any cartridges the program requires, and turn the computer on.

If the copy runs fine, you're finished.

Most likely, it won't run yet, so go on to the next step.

19. Remove the destination disk, and turn your computer off.

20. Look up the program in the list of Chipmunk Copy Codes at the back of this manual. Find the Copy Code letter for your program.

If the Copy Code letter is A through L, follow steps 1A - 7A below. If you run into difficulties, refer to the Back-Up Notes on Multi-Version Back-Up Utilities.

If the Copy Code letter is N, P or S, follow the steps 1B - 10B.

### **Copy Codes A through L**

1A. Insert side B of the Chipmunk disk.

2A. Turn the computer on. A menu displaying some Copy Code letters will appear on the screen.



3A. Press your program's Copy Code letter.

4A. After a short wait, the screen will prompt you to "Insert Back-Up Disk". Remove the Chipmunk disk, and insert your destination disk.

5A. Press **RETURN** and wait for a prompt.

6A. The prompt -- "Press Any Key to Reboot" -- will appear.

7A. Test your copy by pressing any key. The copy should load and run normally.

### Copy Codes N, P, and S

1B. Insert side A of the Chipmunk disk. Atari 800 users should insert the BASIC cartridge.

2B. Turn your computer on. A menu will appear.

3B. If the Copy Code is:

S -- Your copy is complete. Turn off your computer, and test the copy.

N -- Press N for "No-Key". Follow the computer's prompts.

P -- Press P for "Parameters", and go on to the next step.

4B. You'll see a list of the programs in alphabetical order. To go to the next screen of programs, press the Space Bar. To go directly to your program, press Z for "go to", enter the first letter of the programs name, then press **RETURN**.

5B. Each program has it's own Copy Letter. Press the letter next to the name of the program you are copying. The computer will prompt you to put the parameters disk (the Chipmunk disk) in the drive (it should be there already).

6B. Press **RETURN**.

7B. When you see the prompt -- " Insert Destination Disk" -- remove the Chipmunk disk, and insert your destination disk.

8B. Press **RETURN**.

9B. Your copy is complete. The screen will return to the parameters menu.

10B. Test your copy by pressing the letter **X**, then hit any key to reboot. Your program should load. Remmber, if the original program needs BASIC, the copy will, too.

## BACK-UP NOTES

### Notes on Copymate

Copymate does not work on 1200XL computers. If you are using a 1200XL, use DiskCopy instead.

Sector copying bad sectors (represented by "?") can take a long time. In the past, many software publishers such as Synapse, Activision, and Datasoft would fill the entire end of the disk with bad sectors. If you think there may be no more data on the disk, only bad or empty sectors, press the OPTION key. Copymate will stop reading, and prompt you to "Insert Destination Disk". Copymate will write only the data that it has read. If the copy doesn't work, try re-copying the entire disk.

Pressing RESET will stop the program and bring you back to the Copymate menu.

At the "Insert Source Disk" or "Copy Completed" prompts, you may press SELECT to make another copy without re-reading the data.

### Notes on Multi-Version Back-Up Utilities (Copy Codes A through L)

A - This is the multi-version back-up for software by Artworx. Since some Artworx programs aren't copy protected, see if the sector copy will work before you try using this option.

B - This is for newer Broderbund programs. Many older ones are on the regular parameter list on side 1 of the Chipmunk disk. Also, there are two versions of A.E., one requires a regular parameter, the other uses this multi-version back-up. If one technique doesn't copy your version of A.E., try the other.

C - This backs-up all Edufun software.

D - This backs-up all versions of Eidolon and Koronis Rift, two games from Epyx.

E - This will back-up the Hayden SAT programs.

F - This backs-up all Harcourt Brace Jovanovich (HBJ) SAT disks.

G - This backs-up Crusade in Europe, Conflict in Vietnam, and Decision in the Desert, three Microprose wargames.

H - This backs-up newer Spinnaker programs. Older ones require either a parameter or a simple sector copy.

I - This backs-up most of the Strategic Simulations Inc (SSI) games.

J - This backs up Syngraph and Synstat by Synapse.

K - This backs up all software by Xerox.

L - This backs-up Page Designer, Rubberstamp, and Typesetter by Xlent.

### Miscellaneous Copying Notes

Some programs, like Frogger and Math Maze, were released in two different versions. One version will work with just a sector copy, the other requires parameters. Try running the sector copy. If it doesn't work, then add the Multi-Version back up or parameter.

If two or more programs run together, like Print Shop and Print Shop Companion, use either both back-ups or both originals. Mixing originals and back-ups often won't work.

Copymate will not work with some custom operating systems, or with Atari 810 drives with hardware modifications. To use Copymate, either switch back to the original operating system, or disable the modifications with the appropriate software. Or, just use DiskCopy instead.

The parameter for Proofreader is for the program sold by Atari for Atariwriter. The Proofreader included with

Atariwriter + needs only a sector copy.

You must use DiskCopy to back-up Autoduel by Origin Systems.



## CHIPMUNK UTILITIES

To get to the three utility programs on Side 2 of the Chipmunk disk, first load side 1. When you see the main menu, press the letter U. Flip the disk and press RETURN. You'll see a menu screen listing these options:

1. UNLIST
2. UNDELETE
3. AUTORUN
4. RUN SIDE 1.

Press the number corresponding to the item you want to use.

### **UNLIST**

This program allows you to list BASIC programs which normally lock up when you attempt to type LIST and press RETURN. Unlist will ask you to insert the disk with the unlistable file. Do so, then press RETURN. You'll see a directory of all the files on the disk.

You can return to the Insert a disk prompt by pressing RETURN. You can leave Unlist altogether by pressing ESC.

When the directory appears on the screen, type the name of the file you wish to unlist. The program will load into memory.

After the program has loaded, press START. The text will turn brighter. You are now in BASIC, and the program is LISTable. SAVE the program.

### **UNDELETE**

This program allows you to recover deleted files that have not had data written over them. After Undelete loads, it will ask you to insert the disk with the deleted file. Do so, and press RETURN. The screen will show the first program on the disk, along with its status. The status codes are:



- L. Locked
- N. Normal
- D. Deleted

Press RETURN to go on to the next program. Keep going until you reach the one you want to change. To unlock a locked file, press N. To lock an unlocked file, press L.

To undelete a file, (deleted files have a the code "D"), press N. Then press the ESC key. The program will ask you to insert the disk with the files you want to change. If you want to switch from one disk to another, do it now. Press ESC again. You are now in BASIC.

To SAVE the file on disk, LOAD it then SAVE it. To LIST it to disk, type NEW, press RETURN, ENTER the program, then LIST it to disk.

If the file was written in machine language or is a data file, insert any disk with DOS 2.0 or 2.5 on it. Type DOS, and press RETURN. When you see the DOS menu, press C. and answer the prompt with D:filename,D:filename. Filename is the name of your file.

Your "lost" program should now be recovered.

## AUTORUN

Autorun automatically runs a BASIC program anytime you boot up the disk with the program on it. On the Autorun menu, you'll see:

- |          |                     |
|----------|---------------------|
| 1. MENU  | 1. AUTORUN.SYS      |
| 2. GAMES | 2. ADD/REPLACE FILE |
| 3. BOOT  | 3. DEFAULT FILE     |
| 4.       | 4. CHANGE DRIVE #   |
| 5.       | 5. FILENAME         |

The three filenames on the left (MENU, GAMES, and BOOT) are default filenames for the program to be run by Autorun. The one whose number is in inverse is the one ready to be used. You can change the default by pressing 3. 2 allows you to create your own default filename. 4 changes the default drive

number (the default is drive 1). Default changes and selections will be saved permanently.

If you are using a default file name, insert the disk with your file, and press 1. This will write the appropriate AUTORUN.SYS file. 5 allows you to enter your own choice of the file name, but doesn't set it as a default. When you type the name in, the AUTORUN.SYS file will be written to the disk.



## TROUBLESHOOTING

### Program won't load

1. If you are using an Atari 800 or 1200XL, use BASIC for side 1 but not for side 2.
2. All other Atari users should hold down **OPTION only** when loading side 2.
3. If you're not using an Atari, you're in real trouble.

### Copy doesn't work

1. Are you loading the copy exactly as you would the original? If the original requires BASIC or the Translator, the copy will, too.
2. Did you write the proper parameters?
3. Did you check the Back-Up Notes? Your version may be slightly different, and require a different technique.
4. Do you have a version of the program we have never seen? It's possible. Some programs, such as Jawbreaker, were released in many different versions, with different protection schemes. The one you have may not work with our parameters. If you think this may be the problem, contact Microdapt with the program and version information, and we will try to find a solution.

### After writing AUTORUN.SYS, the BASIC program doesn't run

1. Is the BASIC program in LISTed or SAVED format? Only SAVED programs will run.

2. What DOS are you using? DOS 1.0, 2.0, 2.5, 3.0, Mydos and SmartDOS will work. Others may not. If you are using a different DOS, try again with one of those listed.

3. Your BASIC file, AUTORUN.SYS, and DOS must all be on the same disk.

## CHIPMUNK INFORMATION

### CHIPMUNK Back-Ups

Chipmunk is not copy protected, so you can sector copy a back-up for yourself, but please don't give away copies. If your disk is accidentally destroyed, you can obtain a replacement by sending your original disk and a \$6.50 replacement fee to Alpha Systems.

### CHIPMUNK Updates

Chipmunk is updated from time to time. To find out what version is currently available, and a list of what it will back up, call or write Alpha Systems. To obtain an update, send \$14.95 and your original disk to Alpha Systems.

### Suggestions

Any suggestions or comment you have will be appreciated. You can call or write to MICRODAFT directly, or contact Alpha Systems, and we will forward your comments to the authors.

### Copyright Laws

Under the federal copyright laws, you can legitimately make back-ups of your own software for your own use. Re-selling, or freely distributing copied programs is, however, illegal. This program is intended only for the legal copying of disks.

### Contacting MICRODAFT

MICRODAFT operates during very strange hours. Call (201) 663-0202 when ever you wish. If nobody answers, call back some other time. If someone answers, but they can't help you, make sure they get your name, message, phone number, and a good time to call back. Or, you can write to us at:

MICRODAFT  
19 Harbor Dr.  
Lake Hopatcong, NJ 07849

Or, you can try to reach us by modem on a local bulletin board at (201) 875-8324

# Chipmunk Backup List

| Program                      | Publisher                | Copy |
|------------------------------|--------------------------|------|
| 221B Baker Street            | Datasoft                 | S    |
| A.E.                         | Broderbund Software      | B    |
| Ace Of Aces                  | Accolade                 | P    |
| Action Biker                 | Mastertronics            | S    |
| Adventure Master             | CBS Software             | P    |
| Aerobics                     | Spinnaker Software       | H    |
| Agent USA                    | Scholastic Software      | P    |
| Air Support                  | Synapse Software         | P    |
| Alien Addition               | DLM                      | P    |
| Aliencounter/Face Flash      | EduFun                   | C    |
| Alphabet Arcade              | Program Design, Inc.     | P    |
| Andromeda Conquest           | Avalon Hill              | S    |
| Anti-Sub Patrol              | Roklan Software          | P    |
| Aquatron                     | Sierra On-Line           | P    |
| Arcade Machine               | Broderbund Software      | B    |
| Arrow Graphics/Gulp          | EduFun                   | C    |
| Asylum                       | Screenplay               | P    |
| Atari Macroassembler 1.0A    | Atari                    | P    |
| Atari Word Processor         | Atari                    | P    |
| AtariMusic I                 | Atari                    | P    |
| AtariMusic II                | Atari                    | P    |
| AtariWriter+                 | Atari                    | P    |
| Autoduel                     | Origin Systems           | P    |
| Awardware                    | Hi-Tech Expressions      | S    |
| B/Graph 1.1                  | Batteries Included       | P    |
| B/Graph 1.1.1                | Batteries Included       | S    |
| Back-Up Master 2.0           | Duplicating Technologies | P    |
| Baja Buggies                 | Gamestar                 | P    |
| Ballyhoo                     | Infocom                  | S    |
| Bandits                      | Sirius Software          | P    |
| Bank Street Music Writer     | Mindscape                | P    |
| Bank Street Writer           | Broderbund Software      | B    |
| Bannercatch                  | Scholastic Software      | P    |
| Batallion Commander          | Strategic Simulations    | I    |
| Battle For Normandy          | Strategic Simulations    | P    |
| Battle Of Antietam           | Strategic Simulations    | P    |
| Battle Of Shiloh             | Strategic Simulations    | P    |
| Battlecruiser                | Strategic Simulations    | P    |
| Battling Bugs/Concentration  | EduFun                   | C    |
| Beach Landing                | Xerox Publishing         | K    |
| Beach-Head                   | Access Software          | P    |
| Beach-Head II                | Access Software          | S    |
| Berserker Raids              | Simon And Schuster       | S    |
| Beyond Castle Wolfenstein    | Muse Software            | S    |
| Biology                      | MECC                     | P    |
| Blade Of Blackpoole          | Sirius Software          | P    |
| Blazing Paddles              | Baudville                | P    |
| Blue Max                     | Synapse Software         | P    |
| Bookkeeper 5.4               | Atari                    | P    |
| Bop'N Wrestle                | Mindscape                | P    |
| Boulderdash Construction Kit | Epyx                     | S    |
| Breakthrough In Ardennes     | Strategic Simulations    | P    |
| Bridge 4.0                   | Artworx                  | A    |
| Brimstone                    | Synapse Software         | S    |



# Chipmunk Backup List

| Program                      | Publisher                | Copy |
|------------------------------|--------------------------|------|
| BroadSides                   | Strategic Simulations    | P    |
| Bruce Lee                    | Datasoft                 | P    |
| Carrier Force                | Strategic Simulations    | P    |
| Castle Clobber               | Mindscape                | P    |
| Castle Wolfenstein           | Muse Software            | S    |
| Caverns Of Callisto          | Origin Systems           | P    |
| Caverns Of Mars              | Atari                    | S    |
| Championship Golf            | Hayden Software          | P    |
| Championship Lode Runner     | Broderbund Software      | B    |
| Chatterbee                   | Don't Ask Software       | P    |
| Chem Lab                     | Simon & Schuster         | S    |
| Chess 7.0                    | Odesta                   | P    |
| Chessmaster 2000             | Electronic Arts          | S    |
| Chickamauga                  | Game Designer's Workshop | P    |
| Chipmunk                     | Microdadt                | S    |
| Chop Suey                    | Antic Publishing         | P    |
| Choplifter                   | Broderbund Software      | P    |
| Claim Jumper                 | Synapse Software         | P    |
| Clear For Action             | Avalon Hill              | P    |
| Close Assault                | Avalon Hill              | S    |
| Codewriter                   | Codewriter               | P    |
| Colonial Conquest            | Strategic Simulations    | I    |
| Color Print                  | Datasoft                 | P    |
| Colorasaurus                 | Learning Company         | P    |
| Combat Chess                 | Avalon Hill              | S    |
| Combat Leader                | Strategic Simulations    | P    |
| Complete Personal Accountant | Futurehouse              | S    |
| Compubar/Golf Classic        | EduFun                   | C    |
| Compubridge                  | Artworx                  | A    |
| Computer Ambush              | Strategic Simulations    | P    |
| Computer Baseball            | Strategic Simulations    | P    |
| Computer Crayons             | Futurehouse              | P    |
| Computer Gourmet             | New Horizons             | S    |
| Computer QB 1984 Team Disk   | Strategic Simulations    | I    |
| Computer Quarterback         | Strategic Simulations    | I    |
| Conan                        | Datasoft                 | P    |
| Conflict In Vietnam          | Microprose               | G    |
| Cosmic Balance               | Strategic Simulations    | P    |
| Cosmic Balance II            | Strategic Simulations    | P    |
| Crisis Mountain              | Synergistic Software     | P    |
| Crosscheck                   | Datasoft                 | S    |
| Crossword Magic              | Mindscape                | P    |
| Crusade In Europe            | Microprose               | G    |
| Crush, Crumble, And Chomp    | Epyx                     | S    |
| Curse Of Ra                  | Epyx                     | S    |
| Cutthroats                   | Infocom                  | S    |
| Dallas Quest                 | Datasoft                 | P    |
| Data Perfect                 | LJK Software             | S    |
| Datasoft BASIC Compiler      | Datasoft                 | P    |
| Day At The Races             | I.C.D.                   | S    |
| Deadline                     | Infocom                  | S    |
| Decision In The Desert       | Microprose               | G    |
| Demolition Division          | DLM                      | P    |
| Disk 50                      | Cascade Games            | S    |

# Chipmunk Backup List

| Program                  | Publisher                 | Copy |
|--------------------------|---------------------------|------|
| Diskey                   | Adventure International   | P    |
| Diskwiz II               | Allen Macroware           | S    |
| Dragonriders Of Pern     | Epyx                      | P    |
| Drol                     | Broderbund Software       | B    |
| Eagles                   | Strategic Simulations     | P    |
| Early Games              | Springboard Software      | P    |
| Earth Science            | MECC                      | P    |
| Earth Views              | Antic Publishing          | P    |
| Eidolon                  | Epyx                      | D    |
| Electric Checkbook       | Timeworks                 | S    |
| Elektraglide             | Mastertronic              | S    |
| Enchanter                | Infocom                   | S    |
| Epidemic                 | Strategic Simulations     | P    |
| Essex                    | Synapse Software          | S    |
| Expense Tracker          | Antic Publishing          | S    |
| F-15 Strike Eagle        | Microprose                | P    |
| Factory, The             | Hesware                   | P    |
| Family Tree              | Antic Publishing          | S    |
| Field Of Fire            | Strategic Simulations     | P    |
| Fifty Mission Crush      | Strategic Simulations     | P    |
| Fight Night              | Accolade                  | P    |
| Final Conflict           | Hayden Software           | P    |
| Fleet System II          | Professional Software     | P    |
| Fooblitzky               | Infocom                   | S    |
| Fort Apocolypse          | Synapse Software          | P    |
| Fortress                 | Strategic Simulations     | P    |
| Fraction Factory         | Counterpoint Software     | S    |
| Freaky Factory           | I.C.D.                    | S    |
| Free Trader              | Avalon Hill               | S    |
| Frogger                  | Sierra On-Line            | P    |
| G.F.S. Sorceress         | Avalon Hill               | S    |
| Galactic Adventures      | Strategic Simulations     | P    |
| Gauntlet                 | Mindscape                 | P    |
| Gemstone Warrior         | Strategic Simulations     | P    |
| Geography                | MECC                      | P    |
| Get Rich!                | Continental Software      | P    |
| Gettysburg               | Strategic Simulations     | P    |
| Ghostbusters             | Activision                | P    |
| Golden Oldies            | Electronic Arts           | S    |
| Goonies                  | Datasoft                  | P    |
| Graphic Master           | Datasoft                  | P    |
| Graphic Shop             | Antic Software            | S    |
| Graphics Generator       | Datasoft                  | P    |
| Graphics Workshop        | Synergistic Software      | S    |
| Great American Road Race | Activision                | P    |
| Guderian                 | Avalon Hill               | S    |
| Gulf Strike              | Avalon Hill               | S    |
| Gumball                  | Broderbund Software       | B    |
| Gunfight/Seawolf II      | Epyx                      | P    |
| Gunslinger               | Datasoft                  | S    |
| IBM SAT                  | Harcourt Brace Jovanovich | F    |
| Hacker                   | Activision                | P    |
| Halley Patrol            | Antic Publishing          | S    |
| Halley Project           | Mindscape                 | P    |

# Chipmunk Backup List

| Program                      | Publisher                 | Copy |
|------------------------------|---------------------------|------|
| Hardball                     | Accolade                  | P    |
| Hey Diddle Diddle            | Spinnaker Software        | P    |
| Hitchhiker's Guide Galaxy    | Infocom                   | S    |
| Hollywood Hijinx             | Infocom                   | S    |
| Home Accountant 2.1          | Continental Software      | P    |
| Home Filing Manager          | Atari                     | S    |
| Home Pak                     | Batteries Included        | S    |
| I Love My Alphabet           | First Star Software       | P    |
| Imperium Galactum            | Strategic Simulations     | I    |
| In Search Most Amazing Thing | Spinnaker Software        | H    |
| Infidel                      | Infocom                   | S    |
| Infiltrator                  | Mindscape                 | P    |
| Instructional Computing Demo | MECC                      | P    |
| Jawbreaker                   | Sierra On-Line            | P    |
| Jingle Disk                  | Hi-Tech Expressions       | S    |
| Juggle's House               | Atari                     | S    |
| Kampfgruppe                  | Strategic Simulations     | I    |
| Kampfgruppe Scenario Disk    | Strategic Simulations     | S    |
| Karateka                     | Broderbund Software       | B    |
| Ken Uston's Blackjack        | Screenplay                | P    |
| Kennedy Approach             | Microprose                | P    |
| Kindercomp                   | Spinnaker Software        | S    |
| King Cribbage                | Hayden Software           | P    |
| Knights Of The Dessert       | Strategic Simulations     | P    |
| Koronis Rift                 | Epyx                      | D    |
| Krell SAT                    | Krell Software            | S    |
| Kyan Pascal                  | Kyan Software             | S    |
| Laser Hawk                   | I.C.D.                    | S    |
| Last V-8, The                | Mastertronic              | S    |
| Leaderboard                  | Access Software           | N    |
| Leather Goddesses Of Phobos  | Infocom                   | S    |
| Letter Perfect               | LJK Software              | S    |
| Little Red Riding Hood       | Playground Software       | P    |
| Lode Runner                  | Broderbund Software       | B    |
| Lode Runner's Rescue         | Synapse Software          | P    |
| Lurking Horror               | Infocom                   | S    |
| MAC 65                       | Optimized System Software | S    |
| MIG Alley Ace                | Microprose                | P    |
| MMG BASIC Compiler           | MMG Software              | P    |
| MRCA Mach 2 Combat Simulator | Firebird                  | P    |
| Magic Dump II                | Gemini Software           | P    |
| Magic Spells                 | Learning Company          | P    |
| Mail Order Monsters          | Electronic Arts           | P    |
| Marauder                     | Sierra On-Line            | P    |
| Market Place                 | MECC                      | P    |
| Mask Of The Sun              | Broderbund Software       | B    |
| Master Of The Lamps          | Activision                | P    |
| Mastertype                   | Scarborough               | P    |
| Mastertype Filer             | Scarborough Systems       | P    |
| Match Maker                  | Counterpoint Software     | S    |
| Match Wits                   | CBS Software              | S    |
| Math Maze                    | Designware                | P    |
| Maxwell Manor                | Avalon Hill               | S    |
| Mech Brigade                 | Strategic Simulations     | I    |

# Chipmunk Backup List

| Program                      | Publisher                 | Copy |
|------------------------------|---------------------------|------|
| Memory Mania/Maxwell's Demon | Gentry Software           | P    |
| Menuwriter                   | Codewriter                | P    |
| Mercenary                    | Datasoft                  | P    |
| Metric And Problem Solving   | MECC                      | P    |
| Mickey In The Great Outdoors | Atari                     | P    |
| MicroAddition                | Hayden Software           | S    |
| MicroMultiplication          | Hayden Software           | S    |
| MicroSubtraction             | Hayden Software           | S    |
| Microleague Baseball         | Micro League Sports       | P    |
| Microleague General Manager  | Micro League Sports       | P    |
| Microleague Team Disks       | Micro League Sports       | S    |
| Micropainter                 | Datasoft                  | P    |
| Microsoft BASIC 1.0          | Atari                     | P    |
| Microtyping II               | Hayden Software           | P    |
| Microzine                    | Microzine                 | P    |
| Midway Battles               | TDC Distributors          | S    |
| Millionaire                  | Blue Chip Software        | S    |
| Mindshadow                   | Activision                | P    |
| Mindwheel                    | Synapse Software          | S    |
| Minus Mission                | DLM                       | P    |
| Mission On Thunderhead       | Avalon Hill               | S    |
| Mission: Asteroid            | Sierra On-Line            | P    |
| Money Manager                | Timeworks                 | S    |
| Monkey Math                  | Artworx                   | A    |
| Montezuma's Revenge          | Parker Brothers           | P    |
| Moonmist                     | Infocom                   | S    |
| Mouse Attack                 | Sierra On-Line            | P    |
| Mousetrap                    | MicroValue                | S    |
| Mr. Do                       | Datasoft                  | P    |
| Mr. Do's Castle              | Parker Brothers           | P    |
| Mr. Fuzz Fuzzy/Phantom Maker | Computer Software Service | P    |
| Music I                      | MECC                      | P    |
| Music II                     | MECC                      | P    |
| Music III                    | MECC                      | P    |
| Music Painter                | Atari                     | S    |
| Music Studio                 | Activision                | P    |
| My First Alphabet            | Atari                     | P    |
| Nam                          | Strategic Simulations     | I    |
| Necromancer                  | Synapse Software          | P    |
| NeverEnding Story            | Datasoft                  | P    |
| Night Raiders                | Datamost                  | P    |
| Ninja                        | Mastertronic              | S    |
| O'Riley's Mine               | Datasoft                  | P    |
| Ogre                         | Origin Systems            | P    |
| On-Track Racing              | Activision                | P    |
| Operation Market Garden      | Strategic Simulations     | I    |
| Operation Whirlwind          | Broderbund Software       | B    |
| PDI SAT                      | PDI Software              | S    |
| PM Animator                  | Don't Ask Software        | P    |
| Page Designer                | Xlent Software            | L    |
| Paint                        | Atari                     | P    |
| Paint                        | Reston Software           | P    |
| Panzer Grenadier             | Strategic Simulations     | I    |
| Paperclip                    | Batteries Included        | N    |

# Chipmunk Backup List

| Program                      | Publisher                | Copy |
|------------------------------|--------------------------|------|
| Paris In Danger              | Avalon Hill              | S    |
| Pathfinder                   | Gebelli Software         | P    |
| Peggammon                    | Artworx                  | A    |
| Peripheral Vision            | Futurehouse              | P    |
| Phantasie                    | Strategic Simulations    | S    |
| Picnic Paranoia              | Synapse Software         | P    |
| Pinhead                      | Utopia Software          | P    |
| Pirates Of The Barbary Coast | TDC Distributors         | P    |
| Pitfall/Demon Attack         | Activision               | S    |
| Pitstop II                   | Epyx                     | P    |
| Planetfall                   | Infocom                  | S    |
| Pogo Joe                     | Screenplay               | P    |
| Pooyan                       | Datasoft                 | P    |
| Prefixes                     | MECC                     | P    |
| Preppie                      | Adventure International  | P    |
| Preppie II                   | Adventure International  | P    |
| Print Shop                   | Broderbund Software      | B    |
| Print Shop Companion         | Broderbund Software      | B    |
| Print Shop Graphic Librarys  | Broderbund Software      | S    |
| Print Shop Interface         | Xlent Software           | P    |
| Print Wiz                    | Allen Macroware          | P    |
| Prisoner 2                   | Screenplay               | P    |
| Proofreader                  | Atari                    | P    |
| Protector, The               | Comp. Software Services  | P    |
| Quasimoto                    | Synapse Software         | P    |
| Quest, The                   | Penguin Software         | P    |
| Quik Pix PC 2.0              | White Lion Software      | P    |
| RAMBrandt                    | Antic Software           | S    |
| Racing Destruction Set       | Electronic Arts          | P    |
| Raid Over Moscow             | Access Software          | S    |
| Raidus                       | Pyramid Software         | P    |
| Rails West                   | Strategic Simulations    | P    |
| Raster Blaster               | BudgeCo                  | S    |
| Reader Rabbit                | Learning Company         | P    |
| Rebel Charge At Chickamauga  | Strategic Simulations    | I    |
| Reforger '88                 | Strategic Simulations    | P    |
| Repton                       | Sirius                   | P    |
| Reversal                     | Hayden Software          | P    |
| Rhymes And Riddles           | Spinnaker Software       | S    |
| Richard Petty's Talladega    | Cosmi                    | P    |
| Rocket Repairman             | I.C.D.                   | S    |
| Rommel Battles For Tobruk    | Game Designer's Workshop | P    |
| Rosen's Brigade              | Datasoft                 | P    |
| Roster, The                  | Antic Publishing         | S    |
| Rubberstamp                  | Xlent Software           | L    |
| Run For The Money            | Scarborough Systems      | P    |
| SAT Algebra                  | Hayden Software          | E    |
| SAT Practice Tests           | Hayden Software          | E    |
| SAT Vocabulary               | Hayden Software          | E    |
| SWM Linear Equations         | CBS Software             | S    |
| SWM Multiplication/Division  | CBS Software             | S    |
| SWM Multiply/Divide Fraction | CBS Software             | S    |
| SWM Multiply/Divide Decimals | CBS Software             | S    |
| SWM Quadratic Equations      | CBS Software             | S    |

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| Program                    | Publisher                | Copy |
|----------------------------|--------------------------|------|
| Sargon II                  | Hayden                   | S    |
| Sargon III                 | Hayden Software          | P    |
| Sea Bandit                 | Gentry Software          | P    |
| Sea Dragon                 | Adventure International  | P    |
| Sea Stalker                | Infocom                  | S    |
| Seafox                     | Broderbund Software      | P    |
| Serpent's Star             | Broderbund Software      | B    |
| Serpentine                 | Broderbund Software      | P    |
| Shamus                     | Synapse Software         | P    |
| Shamus: Case II            | Synapse Software         | P    |
| Silent Service             | Microprose               | P    |
| Simulated Computer II      | Carousel Software        | P    |
| Sixgun Shootout            | Strategic Simulations    | I    |
| Sky Blazer                 | Broderbund Software      | P    |
| Slime                      | Synapse Software         | P    |
| Snake Byte                 | Sirius                   | P    |
| Snake-O-Nyms/Word Flip     | EduFun                   | C    |
| Snapshot 1.1               | Joy Fox Productions      | P    |
| Sneakers                   | Sirius Software          | P    |
| Snooper Troops #1          | Spinnaker Software       | H    |
| Snooper Troops #2          | Spinnaker Software       | H    |
| Songwriter                 | Scarborough              | P    |
| Sorcerer                   | Infocom                  | S    |
| Space Base                 | Antic Publishing         | S    |
| Space Eggs                 | Sirius                   | P    |
| Space Shuttle              | Activision               | P    |
| Spanish Vocabulary Builder | Control Data Corporation | P    |
| Spare Change               | Broderbund Software      | B    |
| Speed King                 | Mastertronic             | S    |
| SpeedRead+                 | OSS                      | S    |
| Speedy Reader              | Silicon Valley Systems   | S    |
| Spell Perfect              | LJK Software             | S    |
| Spell Wizard               | Datasoft                 | P    |
| Spellbreaker               | Infocom                  | S    |
| Spelldiver                 | Scholastic               | P    |
| Spellicopter               | Designware               | S    |
| Spelunker                  | Broderbund Software      | B    |
| Spider Eater               | Koala Technologies       | P    |
| Spider-Man                 | Green Valley Publishing  | S    |
| Spiderquake                | Gentry Software          | P    |
| Spy Hunter                 | Sega                     | P    |
| Spy Vs. Spy I              | Avantage                 | P    |
| Spy Vs. Spy II             | First Star Software      | P    |
| Star Raiders II            | Atari                    | P    |
| Starbowl Football          | Activision               | P    |
| Starcross                  | Infocom                  | S    |
| Starfleet I                | Cygnus Software          | S    |
| Stationfall                | Infocom                  | S    |
| Stealth                    | Broderbund Software      | B    |
| Stickybear ABC             | Xerox Publishing         | K    |
| Stickybear Basket Bounce   | Xerox Publishing         | K    |
| Stickybear Numbers         | Xerox Publishing         | K    |
| Stickybear Shapes          | Xerox Publishing         | K    |
| Block Management           | Antic Software           | S    |

# Chipmunk Backup List

| Program                      | Publisher               | Copy |
|------------------------------|-------------------------|------|
| Story Machine                | Spinnaker Software      | S    |
| Strategy Football            | Avalon Hill             | S    |
| Strip Poker                  | Artworx                 | A    |
| Stun Trap                    | Affine Software         | P    |
| Summer Games                 | Epyx                    | P    |
| Super Huey                   | Cosmi                   | S    |
| Super Reevekey               | Reeve Software          | P    |
| Super Text Professional      | Muse Software           | S    |
| Supermailer                  | Royal Software          | S    |
| Supermailer+ V. 2.0s         | Royal Software          | P    |
| Survivor                     | Synapse Software        | P    |
| Suspect                      | Infocom                 | S    |
| Suspended                    | Infocom                 | S    |
| SynFile+ 1.02                | Synapse Software        | P    |
| Synstock                     | Synapse Software        | P    |
| Syntrend                     | Synapse Software        | J    |
| Tanktics                     | Avalon Hill             | S    |
| Tapper                       | Sega                    | P    |
| Target Practice              | Gentry Software         | P    |
| Technicolor Dream            | I.C.D.                  | S    |
| Temple Of Apshai             | Epyx                    | P    |
| Temple Of Apshai Trilogy     | Epyx                    | P    |
| Ten Little Robots            | Unicorn Software        | P    |
| Text Wizard V. 1.3           | Datasoft                | S    |
| Theatre Europe               | Datasoft                | S    |
| Threshold                    | Sierra On-Line          | P    |
| Tigers In The Snow           | Strategic Simulations   | P    |
| Timewise                     | Atari                   | P    |
| Tink's Adventure             | Mindscape               | P    |
| Tonk In Land Of Buddy-Bots   | Mindscape               | P    |
| Track Attack                 | Broderbund Software     | P    |
| Trailblazer                  | Mindscape               | P    |
| Trains                       | Spinnaker Software      | H    |
| Transylvania                 | Penguin Software        | P    |
| Tuk Goes To Town             | Mindscape               | P    |
| Tumble Bugs                  | Datamost                | P    |
| Tutti Frutti                 | Adventure International | S    |
| Twerps                       | Sirius                  | P    |
| Tycoon                       | Blue Chip Software      | S    |
| Typesetter 130XE             | Xlent Software          | L    |
| Typesetter 65                | Xlent Software          | L    |
| U.S.A.A.F.                   | Strategic Simulations   | I    |
| USA Adventure                | First Star Software     | P    |
| Ultima I                     | Sierra On-Line          | S    |
| Ultima II                    | Sierra On-Line          | P    |
| Ultima III                   | Origin Systems          | P    |
| Ultima IV                    | Origin Systems          | P    |
| Video Poker & Vegas Jackpot  | Mastertronic            | S    |
| VisiCalc                     | VisiCorp                | S    |
| War In Russia                | Strategic Simulations   | P    |
| Wargame Construction Set 1.0 | Strategic Simulations   | S    |
| Wargame Construction Set 1.1 | Strategic Simulations   | P    |
| Warlock's Revenge            | Synergistic Software    | S    |
| Warrior Of Ras               | Screenplay              | S    |

# Chipmunk Backup List

| Program                   | Publisher             | Copy |
|---------------------------|-----------------------|------|
| Warship                   | Strategic Simulations | I    |
| Way Out                   | Sirius Software       | P    |
| Whistler's Brother        | Broderbund Software   | B    |
| Wishbringer               | Infocom               | S    |
| Witness                   | Infocom               | S    |
| Wiz Type                  | Sierra On-Line        | P    |
| Wizard And The Princess   | Sierra On-Line        | P    |
| Wizard's Crown            | Strategic Simulations | I    |
| Word Magic                | Antic Software        | S    |
| Word Race                 | Don't Ask Software    | P    |
| World Karate Championship | Epyx                  | P    |
| Xlent Word Processor      | Xlent Software        | S    |
| Your Personal Net Worth   | Scarborough           | P    |
| Zombies                   | Bram                  | P    |
| Zork I                    | Infocom               | S    |
| Zork II                   | Infocom               | S    |
| Zork III                  | Infocom               | S    |
| Zorro                     | Datasoft              | P    |





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