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Editorial Notes

COMPUTIST on Disk

I've received a number of letters suggesting I work out a way to put the issues on disk. This issue is a (over) 1Mbyte formatted Page-Maker file on a MAC. About 1/3 (I think) of that is actual text, the rest is graphics or formatting commands. So we're looking at over 300Kbytes of text and this is our smallest format, only 24 pages. We would have to use two 5.25" disks or one 3.5" disk. I estimate the cost would be about the same as the cost of a combination subscription (\$100/yr/12 issues). I would like to know how many readers are really willing to pay the extra cost to get their issues on disk. Write to me if you are interested. Let me know what equipment you are using. If enough people are interested we'll see if we can find someone to do it. If someone is interested in working out a good disk format, you should also write and let me know.

Submission Notes

As of this issue I'm current on submissions up to (and including some of) March. If you sent something before March and you haven't seen it published, then you should check with me at your earliest convenience. Some letters require a lot of editing and I often bump them when I don't have enough time (a chronic condition around here). But I usually get to them by the next issue or so.

Change in Most Wanted

I've made a change in the MOST WANTED list. To the left of each title is the issue number when that title was added. You can use that number to tell how long a title has been on the list. I thought it might help if you knew which ones to concentrate on.

Library Disk Notes

There wasn't a lot in this issue in the way of type-able programs that could be put on the library disk so I copied the Eamon Master disk onto the front and put Eamon Adventure #194, *Attack of the Bretons* on the back.

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Drol
For unlimited men:
Trk Sct Byte From To
0B 0A 21 01 00
11 0A 0F 01 00
17 09 B1 01 00

Dung Beetles
BLOOD DUNG BEETLES
CALL-151
3D3D:53 CC CF
3D54:CD C2
BSAVE DUMB BEETLES, A\$7FD, L\$4000

Evolution
6731:x
6000G
where x=# of guys

Falcons
reset
685B:x
where x=# of ships

Falcons II
685B:x
1. Run game
2. Request 1 ship
3. Hit reset
4. 6040G
where x=# of ships

Free Fall
BLOOD FREE FALL, A\$800
CALL-151
614E:x
7A5<800.845BM N 7FDG
where x=# of men

Frogger
70DB:x
7FDG
where x=# of frogs

Galaxian
BLOOD APPLE GALAXIAN
CALL-151
A83:x
7FDG
4886:01
4800G
to set score for bonus ship
where x=# of men

Gobbler
BLOOD GOBBLER
CALL-151
6046:x
where x=# of gobblers

Gold Rush
BE3:x
B00G
where x=# of guys

Hard Hat Mack
Press ctrl-R and then a number (1-3).
Hard Hat Mack (alternate)
503:18 60 N
50A5:EA EA EA N
82DG

Hellstorm
6F25:x
6F4A:x
where x= level#
where x=# of ships

Horizon V
5B0A:E6
(Unlim)

Jawbreaker II
84B:x
800G
where x=# of guys

Jump Jet
131D:EA EA EA

Joust (Atarisoft)
BLOOD JOUST
CALL -151
FFDG
B7C3:x
B7AA:00
3E00G
61 sector file
run 2nd program
where x=number of men
go through rocks
starts game

Jouster
BLOOD JOUSTER
CALL -151
219E:09
CTRL-C
BSAVE JOUSTER.9, A\$800, L\$75FF

Jouster (alternate)
955:EA EA EA

Kameari
BLOOD PUCK1
BLOOD PUCK2
B82:EA EA
952:EA EA
unlimited guys
weird effects

Kameari
BLOOD PACK.DATA1
BLOOD PACK.DATA2
B82:EA EA
7FDG
95C:EA EA
7FDG

Labyrinth
Press (at the same time) esc K A Y and then
press 1-8 to go to that level or 9 for ships.

Mars Cars
BLOOD MARS CARS
CALL-151
7024:x
3FDG
where x=# of cars

Marauder
Trk Sct Byte From To
01 03 46 03 00
For less "baddies"

Microwave
reset
CALL-151
8146:00
8100G
after the logo comes up.
For less monsters

For unlimited men:
Trk Sct Byte From To
00 0D 3E CE BD 0B EA EA EA
19 0A 3E CE BD 0B EA EA EA

For unlimited power:
Trk Sct Byte From To
19 0C 75 CE 1F 0B EA EA EA

Millipede
602A:x
1F00G
where x=#

Miner 2049er
reset
816:x
980G
where x=# of guys

Miner 2049'er
812:x
814:x
816:x
981G
where x=level#
where x=level#-1
where x=# of men

Money Munchers
1020:x
FE7G
where x=# of men

Montezuma's Revenge
BLOOD MONTEZUMA'S REVENGE
CALL -151
63BC:A9 60
13F0G

Mouskattack
6A53:EA EA EA

Mr. Robot and the Robot Factory
BLOOD MR. ROBOT
80A3:59 FF
76DG
7685:x
7600G
where x=# of robots

Neptune
BLOOD NEPTUNE
CALL-151
8290:x
where x=# of ships

Night Crawler
BLOOD NIGHT CRAWLERS
CALL-151
340A:x
3300G
where x=# of ships
start game

Nightcrawler
340A:x
3300G
where x=# of ships

Nightmare Gallery
6818:EA EA EA
8718:EA EA EA
671B:EA EA EA
861B:EA EA EA

Nomads
41E9:EA EA EA
26FAG

Outpost
2C22 & 8046:#
3798:EA EA

Phaser Fire
BLOOD PHASER FIRE
CALL-151
366A:EA EA EA
3FFDG

Phaser Fire (alternate)
452E:x
3FFDG
where x=# of ships

Pooyan
BLOOD POOYAN
CALL -151
60ED:x
7FDG
or Boot up
where x=# of men

Quadrant 6112
980:x
where x=# of ships

Quest For Tires
ctrl reset
7A11:x
7A03G
where x=# of wheels
to restart game

Raiders of the Lost Ring
reset
685A:x
803G
where x=# of ships

Randamn
These are the four Magical Incantations used
in Randamn to allow you to bypass certain levels.
TOMB
DROWN
OOZE
RISK

Raster Blaster
692E:EA EA EA EA EA
2700G

Rearguard
ctrl-T + LEVEL #

Repton
BLOOD REPTON
BLOOD MAIN REPTON, A\$3000
21B6:EA EA
21C9:EA EA
1592:EA EA
unlimited ships
unlimited nukes

Repton (alternate)
19C4:4C CB 19 N
19D7:60 N D92:EA EA

Ribbit
BLOOD RIBBIT
70DB:x
7FDG
where x=# of frogs
or
6000G

Robotron:2084
BLOOD ROBOTRON
CALL -151
53D0:EA EA 18 N 2DFDG
This makes you invincible!

Sea Dragon
8C32:00
8C59:00
8C72:EA EA
5C43G
(air)
(damage)

Seafox
BLOOD SEAFOX
CALL-151
69D9:x
7FDG
where x=# of subs

Sea Fox (alternate)
BLOOD SEA FOX, A\$800
6A34:x
7A5<800.8960M N 800G
where x=# of ships

Serpentine
BLOOD SERPENTINE
CALL-151
81A:x
7FDG
where x=# of serpents

Sneakers
BLOOD SNEAKERS
CALL-151
6EBB:x
C050 C055
329G
where x=# of ships
turn on Hires screen
start game

Snack Attack
5B28:#
6FDG

Snake Byte
reset
16AE:x
726E:x
7265:x
76BD:x
77EAG
250G
or BLOAD game
where x=# of snakes —OR—
where x=# of snakes
where x = starting level
where x=# of apples to eat per level —OR—

Snake Byte (alternate)
725E:x
or
16AE:x
7265:LEVEL
77EAG
where x=# of snakes
where x=# of snakes

Snapper
For more snappers:
BLOOD SNAPPER
CALL-151
851:x
7FDG
where x=# of snappers

Snoogle
Press ctrl-shift-M when you are a pie falling
apart. Scoring is as follows:
CHERRY 100 STRAWBERRY 300
ORANGE 500 APPLE 700
PLUM 1000 BELL 2000
GOLDKEY 3000 KING CROWN 5000

Space Cadets
BLOOD SPACE KADET
CALL -151
5DDE:x
7FDG
where x=# of guys

Space Quarks
BLOOD SPACE QUARKS
CALL-151
3C54:x
BDFG
where x=# of ships
starts game

Spy's Demise
60AB:x
3FF1G or
C050 C057 C054
1100G
where x=# of spys

Star Maze
50B2:EA EA

Starmaze (alternate)
459C:x
where x=# of ships

Star Thief
1827:x
where x=# of ships

Star Trek
BLOOD STAR TREK
CALL -151
FED:60
7FDG

Succession
BLOOD SUCCESSION
CALL -151
6B71:x
6000G
where x=# of guys

Super Puckman
147B:04
1C40:60
800G

Swashbuckler
BLOOD SWASHBUCKLER
CALL-151
AE0:x
1800G
where x=# of pirates
start game

Syzygy
BLOOD SYZYGY
CALL-151
2954:x
800G
where x=# of ships

Taxman
Note: this does not work on taxman II
BLOOD TAXMAN
POKE 21041,x
POKE 20572,234
POKE 20574,234
CALL 2048
where x=# of men
for no ghosts
to start game

Taxman (alternate)
BLOOD TAXMAN
CALL-151

505C:EA EA EA
89CB:x
522B:x
5231:x
800G
For no ghosts
where x=# of ghosts
where x= level#
where x=# of men
start game

Teleport
reset
41D1:EA EA EA
5F8CG

Thief
BLOOD THIEF
4873:EA EA EA EA

Threshold
BLOOD THRESHOLD
Unlimited ships:
CALL -151
45B0:EA EA EA
7ECD:EA EA EA
No laser overheat:
7666:4C 7D 76
Unlimited fuel:
7623:EA EA EA
7839:EA EA EA
6B00G
start game

Thunderbombs
2E39:EA EA EA

Tubeway
BLOOD TUBEWAY
CALL-151
22D5:x
OR
2083:EA EA
900 or 7FD or
Tubeway (other)

esc-R

Ultima III
The Magic Word is Evocare or Evocate
To gain access to Exodux castle, go into the
dungeon to the south east of your home castle. On
the eighth level of the dungeon you will find the
Mark of the Snake. Force all of your men to touch
this. Then bring your boat in front of the Silver
Snake and yell "Evocate". You will then be
transported to a secret castle. Letting your boat
get sucked into the whirlpool can be beneficial.

Viper
CCD:C0
7FDG

Wargle
BLOOD WARGLE.OBJ
7250:x
where x=# of guys

Wizardry
When you go to the Adventurers Inn, get your
character, and before you say what room to put it
in, insert a blank formatted diskette in drive 1.
Each time you sleep in the inn, you gain a level!
If you have a Bishop in your party, simply
type 'I' to inspect something. But type 9 instead
of the usual 1-8. Try it a few times and when it
says "SUCCESS!", your Bishop will have
100,000,000 experience points!



BBS RDEX

Nancy Jentzsch
Softkey for...
World Geograph v1.1
MECC
The 'crack' for World Geograph v1.0 also
works for v1.1, with a slight change in the loca-
tion of the protection and a change in the ad-
dresses that are called. Thanks to Brian Troha for
the original. I followed his logic and found the
protection on the same track and from there could
use his changes to make v1.1 work!
1. Make a copy of each of the two disks with any
whole disk copier.
2. Edit the program disk copy.
Blk Byte From To
9 \$173 20 3E 0B AD 3E 0B
\$176 90 05 80 03
\$178 20 46 0A AD 46 0A
\$17B B0 23 EA 18

3. Write the block back to the copy

3. Change from /DATA/ (2F 44 41 54 41 2F in hex) to 1/ (31 2F 00 00 00 00 in hex) at Block \$582, Byte \$193, Rel BLK 458, Rel Byte \$39393

- 4. Rename YSGS to YS.GAME
5. Rename YSDATA to LOY

Uploading to a Harddrive

Now it's time to upload the whole game to your hard drive. Create a new folder/subdirectory called LAND.YS or what ever you like.

- 1. Copy LAND.OF.YS from /PROGRAM to the LAND.YS folder
2. Create a new folder called YS.DAT in LAND.YS folder
3. Copy the TITLE & FGRAPH folders from /PROGRAM in to the YS.DAT folder
4. Copy YS.GAME from /DATA to the LAND.YS folder
5. Copy the LOY folder from /DATA into the YS.DAT folder

A tree directory of the main files would look like this:

Table with 2 columns: File name, Type. Rows include LAND.OF.YS (S16), YS.GAME (EXE), /YS.DAT (DIR), /TITLE (DIR), /FGRAPH (DIR), /LOY (DIR), /MAPS (DIR), /SHAPES.ART (DIR), /GCH.ART (DIR), /MUSIC (DIR), TEXTDAT.HUF (\$00), PEOPDAT.HUF (BIN)

To run Ancient Land of Ys simply run/launch the LAND.OF.YS file. I did not change the user disk name so you will still need a separate disk for your character information called /USER (read the flier on creating a game save disk).

If you didn't make any errors in the editing of the file names you should have a hard disk compatible version of ALY. At this point I would (after you have uploaded the files to the hard drive) get out two more disk and format them.

Softkey for...

Tunnels of Armageddon

Logical Design Works/California Dreams

- Requirements:
512K Apple IIs
3.5" disk copier
3.5" disk editor

Tunnels of Armageddon (TOA) is fast paced arcade type game that has you screaming down tunnels avoiding walls and trying to shoot enemy ships.

On a tip from Jason Harper (and after digging around in the CP code) if you type kacper (lower case only) the CP is bypassed and a cheat mode enabled that will allow you to continue after running out of time.

- 1. Make a copy of the game disk.
2. Make the following edits to the copy only:

Table with 4 columns: Blk, Byte, From, To. Row 1: \$3B \$96 F0 05 A9 00 EA EA EA EA 00 80 03 EA EA EA

- 3. Write the block back to the copy

To totally skip the CP screen and forfeit the built in cheat ADD the following:

Table with 4 columns: Blk, Byte, From, To. Rows include \$39 \$FC A2 04 91 A2 04 90, \$10C A9 01 00 82 4E 03, \$3B \$1D0 B7 D4 97 D0 88 EA EA EA EA EA 88 10 F8 A7 D4 EA EA EA EA EA 87 D0 EA EA, \$3C \$C1 B0 03 A9 00 00 EA 18 82 48 02

To upload the program to your hard drive just copy all files into any folder/subdirectory except PRODOS and SYSTEM.

Subscribers Only

Note #2

Date: 3 Mar 90 (07:08)
To: ALL
From: User #269
Subj: DUNGEON MASTER

In Computist #70 page 12 : Softkey for ... DM (by Bob Thanski) Sofkey gave a way to backup our original DM disk, I could not get it to work properly.

- 1) Perform a sector copy of the disk
2) Perform the patches indicated in Issue #70.
3) Do a BIT COPY, SYNC, KEEP track length, (using Copy II+ Parm 4C set to 0) of Block 1 Side 2 (the one that shows an error during step 1 above).

This will (should) yield a playable copy however, any attempt at disk access will eject the disk & say "INSERT DUNGEON MASTER DISK" which means that you can't save the game... Well Bob, ya wanna give it another go, or do you have a different version? <sysop>

Note #3

Date: 8 Mar 90 (20:29)
To: ALL
From: User #1082
Subj: Cracks

Does anyone have a crack for Toy Shop or Bureaucracy? I have the originals that I'll lend to someone that may be able to do it.

Note #4 (Reply to #3)

Date: 11 Mar 90 (01:37)
From: Sysop
Subj: Cracks
Toy Shop: Issue #62, pg. 29
Bureaucracy: Issue #48, pg 33

If these don't work or you don't have (can't get) the issues, I do backups for the local Apple user group (NorthWest Apple Pickers) & Computist. I usually charge \$2 per program (or \$1 per disk whichever is greater) plus \$2 shipping & handling (Add \$1 per disk if I supply the blank disks for the copies.)

If you decide to have me do them, send original disk(s) (I will not attempt to make working copies from any disk that is not an original) to:

Gopher-Tech Electronics (or Computist BBS)
c/o David Goforth
11015 Old Military Rd SW
Tacoma, WA 98498-1524

Include a short letter of what you'd like (multiple copies, allow for hard disk installation, 5.25 -> 3.5 transfer, single working copy, deprotection, etc.) and also a phone # that I can call if necessary.

Note: Ensure you state that you are a Computist subscriber. This gives you the above prices (which are a 50% discount).

Note #8 (Reply to #3)

Date: 23 Mar 90 (21:15)
From: User #1054
Subj: Cracks

I just recently purchased Bureaucracy at the AM Computer Swap at Kent commons on March 17th. Well I looked for a possible crack in all of my Computist magazines and didn't find one.

Further investigation into those tracks really didn't show me anything at all, but as I said before I am new at this and am doing my best with what little I know.

Note #9 (Reply to #3)

Date: 23 Mar 90 (21:20)
From: User #1054
Subj: Cracks

Hi, me again. I did forget to let you know that with EDD III using the auto nibble count option to copy Bureaucracy that the copy works fantastic, despite the errors.

Note #5

Date: 13 Mar 90 (09:37)
To: ALL
From: User #226
Subj: Toy Shop

Those two programs are 18 sector programs... I am not really sure if it was done as a protection method or simply to allow more data on the disk. Much like 3.2 was 13 sectors and 3.3 was 16 sectors these could be called 3.4 18 sectors.

Note #7 (Reply to #5)

Date: 23 Mar 90 (20:37)
From: User #1082
Subj: Toy Shop

I didn't know that the Saltine was a COMPUTIST subscriber.....he's also the one that did Where In the USA is Carmen San Diego.... Federation Transformers Release.

Note #6

Date: 18 Mar 90 (16:43)
To: ALL
From: TOP GUN (User #452)
Subj: A) CDA Menu, B) Kings Quest IV

Some time back, a reader described the technique whereby the CDA menu could be disabled. This would eliminate using the "Visit Monitor" CDA that is part of the ROM 01 IIs.

I have Kings Quest IV from Sierra. I have it on my hard drive, but you need the manual to provide the "key word" when the program asks.

John C. Tucker IL

I have been a COMPUTIST reader from the start. I have every issue that has been published. I still keep the back issues for reference as they contain the best explanation of Apple techniques available.

I need some help and I hope some COMPUTIST reader will be able to assist. I have a C. Itoh Prowriter 8510AP Printer and would like to continue using it as the Prowriter has been very reliable.

Does anyone know how to patch the Imagewriter Printer driver in GS/OS System 5.0.2 to work with the Prowriter 8510AP? The printer codes are very similar except for bit image graphics which is 1B 47 for the Imagewriter and 1B 53 for the Prowriter.

Brian A Troha WI

I'd like to say some things. First in issue #70, page 5 in the editorial: I really cannot see the reason for printing the SPA's 800 number unless you are suggesting that readers call the number only to run up their (the SPA's) toll bill.

The commentary on the SPA's toll free number was meant to be a joke, laced with sarcasm. RDEXed

I remove copy protection and tell others how to do it, how people use my information is up to each individual. I have a choice, let people know how to deprotect software or not.

To StarBuck: I have written four little deprotection programs and put them up on "on-line" services like Comp-u-serve.

I also post many cracks. I have been putting little COMPUTIST ads at the end of the text file posts. This helps spread the word about COMPUTIST on a "national" level.

To Bob Thanski: Dungeon Master has a very complicated CP scheme. They (FTL) do checksumming all over and use several flags in their CP. The game must read block 17 correctly after changing the smartport hooks to special routines.

I have seen letters by people who are having problems uploading cracked games to hard disks. Part of the reason these problems arise are disk based copy protection (bad block checks, nibble counts) check the disk name they try to read.

In issue #67, I have patches for California Games and The Last Ninja that completely skip the CP routines including the check for the name of the disk. If you examine the code listed for Last Ninja you see the call to ProDOS 16 (the GET_DEVICE) checks to see if the program is run from the right disk.

I hope you can see the importance of tracing the CP routines back far enough to totally avoid going into a routine that reads off the disk or checks for a certain disk name to be online.

Another possible reason for not being able to upload cracked programs to hard disk is: Many programs have disk/volume names hard coded into the file. You see things like "/VOLMUE/GAME". This means find the disk called "/VOLMUE" and run/load the file called GAME.

The last thing I would like to talk about is the direction of copy protection as I see it going. With the "new" GS and ROM 3 (most tools in ROM) you might see more altered formats like Alien Mind as most tools no longer need to be loaded into memory.

However, due to the dropping prices of SCSI Hard disks and the wave of internal hard disks, I think you will find more manual/codewheel based CP. So far, there's only two games with KEYWORD protection that have NOT been cracked by anyone.

Rocket Ranger: There is no way to take out the code wheel in this game. The number inputted is the only way to tell the game to go from one country to another.

For those of you with hard drives and GS/OS v5.0.x You might have noticed that you cannot run some ProDOS 8 based programs from your hard drive. Programs like Battle Chess, Neuro-mancer, Zany Golf, Marble Madness, Bard's Tale 1 & 2.

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