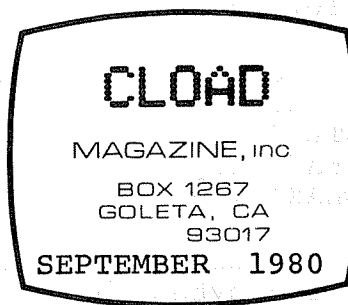


It's cold in the winter...

Since September is suspiciously distant from December and January by about nine months, it does not surprise me that there are a lot of birthdays this month. Two of them come to mind immediately, mine and Robin's. But the parties are now over, and the shop is left with only memories. Well, a little more than memories... a rubber bat that appears in the coffee can first thing in the morning, a toy mouse planted on the telephone,



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* Level Title Turns Count *
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* CTR-41 CTR-80 *
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* ***** Escape Cover 23 & 272 13 & 160 *
* ** Destruction Instructions 66 & 301 38 & 178 *
* ** Destruction 119 & 339 70 & 188 *
* ** Hex Display 184 & 388 109 & 229 *
* ** Organ Instructions 193 & 393 114 & 231 *
* ***** Organ 238 & 428 140 & 252 *
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* ***** Escape Cover 11 & 257 5 & 151 *
* ** ** Lgame 42 & 279 24 & 164 *
* ** ** Shopping Spree 113 & 333 66 & 196 *
* ** ** Organ instructions 200 & 401 117 & 236 *
* ** ** Organ (System Organ /) 229 & 424 135 & 250 *
* ***** Hex Display (Mem 30000 250 & 441 147 & 260 *
* System Hexdis /30000) *
*
*
*****
```

Escape Cover - Tear down the wall!!

Blast your way to the fuel depot in Destruction. But watch out for the instructions - you may find yourself blasted!

Picture your living room empty...good. Now put a couch and an overstuffed chair in there, arranged in such a way that they make some kind of an 'L' shape. Ok, add an end table. Now imagine that your friendly neighborhood poltergeist brings in another set of the exact same furniture. He/she then tries to position this second set of furniture in such a way that your set will not fit unless the couch and chair are separated. Now you have an idea of what Lgame is like, except that there is no ghost, but there is a TRS-80!

Your relatives are coming over soon and you have nothing in your cupboards to feed them. You grab your wallet with only a few dollars in it and rush to the store to buy what you need. Watch your budget and your time 'cause...Wait! Here's a better idea. Play Shopping Spree instead. Then get your relatives to take you out to dinner!

Hex Display lets you see what values are in memory 256 (100 in hexadecimal) bytes at a time. Each byte is printed as two hex digits. For instance, 255 in decimal is FF in hex. With this program you can look at the ROM or any other part of memory. You can even look at this program (it

resides at 4200-428F hex in Level I and at 7530-75BF hex in Level II). Use the following keys to move through memory:

'<-' key	moves you back through memory.
'->' key	moves you forward through memory.
'ENTER' key	Single-pages (256 bytes) forward through memory.
'CLEAR' key	Brings you back to page 0.
'BREAK' key	Goes back to BASIC.

Notes: Hex Display does not and will not modify anything in memory besides the bytes where the program itself resides. To load Hex Display in Level II you must set the Memory Size to 30000 and load it as a System program using the prompts given in the above table of contents.

With Organ, you can become a TRS-80 virtuoso. You just play the keyboard like the keys were ivory and Mr. Hammond just finished monkeying with your computer. Notes: a couple of the notes, especially in Level I, are not quite exact (ah, the limitations of integer arithmetic). Also, to hear anything, you must plug the auxiliary plug into an amplifier (you can use your recorder if you take the tape out, press in the anti-record button at the rear of the cassette slot, and press the play and record buttons: then listen through an earphone or speaker plugged into the earphone jack). To load Organ in Level II, type 'System', <ENTER>, 'Organ', <ENTER> (program loads), '/'. You just have to Cload to load the instructions. Hey, how about a couple of songs:

```

,,N,,NWW/QQ,..Q/,,,N..Q/,,,NWWRW/QEQ,N,MBV
BCZCB,/.CGBBB/.,KNK,BCZBCZCB,CGBB/.,KNK,,BCZ

```

Goof #FF3A - As soon as the August issue landed in the lap of Bryan Mumford (the author of last month's Level2), I got a phone call: "Dave, why did you say that Level2 will only run on a 48K system? I specifically wrote it to run on a 32K disk system! Not only that, but if you use it on a 48K disk system, you do NOT have to set the memory size to 48000 when you go back into DOS BASIC." Well, folks, you heard it here as I heard it from there...you can run Level2 on a 32K system also. What luck!

Grumble, grumble - Oh, oh. The denizens of Cload have got gripes.....

As you have heard often enough, if you can't load a tape, just return it within a month or so and we'll gladly (?) replace it. Some of you get the luck of the draw and get a couple of bad tapes. To those, we humbly kneel and beg forgiveness (we draw the line at kissing feet). Some of you are really new at the computing game and do not understand the subtleties of loading tapes or other computer idiosyncrasies. Those we forgive and try to help. Then, then, then we get back a number of tapes where all of the programs load fine, but Reversi has lines missing in it.

Remember, this magazine is for a Level I 4K system (this being the last month for that) or a Level II 16K NON-DISK system. It is true that we will occasionally publish programs for disk users only. These you will hear (read 'read') about. And it is true that many of our Level II BASIC programs also run in DOS BASIC. But it is also true that some of the Level II BASIC programs will NOT run in DOS BASIC. This is the case in Reversi. Reversi has a little machine code routine in it that happens to load right over the BASIC program when you use it in DOS BASIC. That is why line 140 (and other lines) have Undefined Line errors when you try to run it in DOS BASIC. So DOS users, please use the Level2 program (in the August 1980 issue) with the Level II BASIC programs and stop sending good tapes back to us.

More Chips on Our Shoulders Dept. - One comment that throws us is the one that goes, "All of the programs load fine, but there are errors in all of them except 'Grunch Chase'." Perfeckshun is not our middle name, and an occasional bug does slip by us (see Goof #FF3B below), but a multitude of errors in a program denotes: a) A bad load, b) You're using a Level II BASIC only program with DOS BASIC, or c) You gotta bum tape. We do test our programs enough to know that they are 99% bug free, so the multitude of errors you are getting are not in the programs themselves.

Sorry about the rise in temperature there, but it sure felt goooood!

Along the same lines as bum tapes, here are a few hints on loading those hard-to-load Level II tapes:

- 1) The AC power supply emits a lot of noise that is picked up by the cloading circuitry. Good batteries are not noisy so you might try them.
- 2) The tape may be a little loose in the cassette, so tighten it up then slap it face down on a table to even up the tape inside the cassette.
- 3) Clean and demagnetise those tape heads.
- 4) Here is the most helpful hint. Take an AM radio, tune it so that it is NOT on any station, and place it as close to the keyboard as possible (I put mine on the RS logo, right where many of you have a numeric keypad). Then do a dry run Cload. Listen to the noise (hash) that the radio picks up. As you adjust the volume of the recorder, you will notice that at a certain low volume the sound begins to get choppy, then drops out all together. Also, at a certain high volume the sound changes from a nice high-pitched squeal to an extremely distorted high-pitched squeal. Now just set the recorder volume to somewhere between those two extremes, rewind the cassette to the beginning of the program, and Cload again. If it still doesn't Cload, you can fine (emphasis on fine) tune the recorder volume from that point.
- 5) If your TRS-80 is one of the older versions, there is a mod that Radio Shack used to put in for free (it's already in the newer versions) that made it easier to Cload tapes. If you don't already have it, you might check up on it.

Goof #FF3B - After all that complaining, there were a couple of minor bugs in Reversi (wouldn't you know...). The author, Don Dilly, left the "New Kid" and the "Visitor" for you to program with your own algorithm. There was a little note in lines 50000 and 60000 to tell you that, but line 3135 had you go to lines 55000 and 65000, respectively. So I went in and did a patch that supposedly fixed half of the problem and didn't even fix that! So, with my tail between my legs, the patches that follow should do the trick (he says with a confident grin...):

```
55000 GOTO 50000
65000 GOTO 60000
```

Swan Song - What was it Claudia Antoinette said, "Let them CLOAD Level II!" This is the month you Level I'ers have deplored. Starting with October's issue, you guys are being left out. Are we giving up on Level I like the rest of the world seems to be? Not really. We will still carry 24 back issues and two Best Of's that contain over 90 Level I programs. Doesn't that make you feel better? No? Well, something like this is never easy. It's kinda like losing an old friend (some of you may even still have a soft spot for an old ENIAC hollow-state machine).

So what do you do if you are one of the unfortunate subscribers that only has a Level I machine? There seems to be about five choices:

- 1) Upgrade your machine to 16K Level II (yea, yea!).
- 2) Get back issues (one back issue for each month remaining on your

subscription).

3) Get some money back from us (\$3.00 for each month remaining on your subscription).

4) Get back issues and money back (one back issue OR \$3.00 for each month remaining on your subscription).

5) Pretend that we never dropped Level I (boo, boo).

If you wish to choose choice 2, 3 or 4, just send in a note with your name and address or the form below and we will send you a list of our back issues and tell you how many months are remaining on your subscription. Then you tell us how you want to be compensated. Our only request is that you do this before the October issue goes out to save you and us a lot of confusion.

Until later,

Dave

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[] I'm a Level I user and I'm mad as h___ and I'm not going to take it any more. But I would like to recieve a list of the back issues so I can be compensated by back issues or refund for the months remaining on my subscription.

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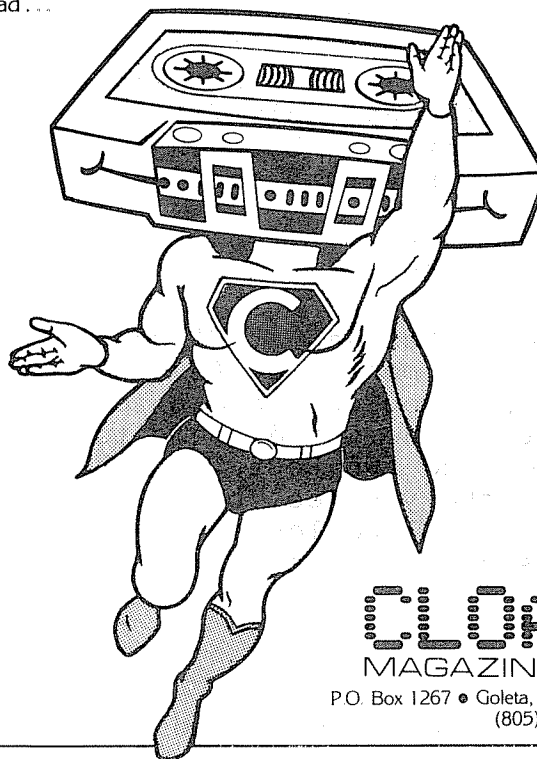
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