



Apple Blossom Computer Club  
A registered Apple/Macintosh User Group

Sep '07  
still only  
**\$2.00**

The

**ROSE**

**BYTER**

Next Meeting  
**September 20, 7 PM**  
**Pine Grove**  
**Community Church**  
**1729 Buckhorn Rd**

### Agenda

1. Meeting starts at 7 P.M.
2. Introductions of members and guests
3. Old business
4. New business
5. Program:
  - a. First reading of proposed bylaws amendments
  - b. John & Judy Waller to discuss Art Center exhibit—see pg2.
6. Questions & (maybe)Answers

## Zoom! DOCSIS 3.0

by **Walt Pawley** <walt@wump.org>

Unless you're a TV advertisement turtle, a slow Internet connection is most likely one of the things you'd rather not have. Unlike a few years ago, our area is now replete with options, though coverage of any particular option can be pretty spotty—teleco dial-up remains about the only ubiquitous means of getting connected to the Internet around here.

Our comparative isolation is not stopping the rest of the world from taking advantage of new technology as it becomes available, however. If you have TV cable based Internet now, you most probably have a DOCSIS 2.0 compatible cable modem between your computer(s) and the cable com-

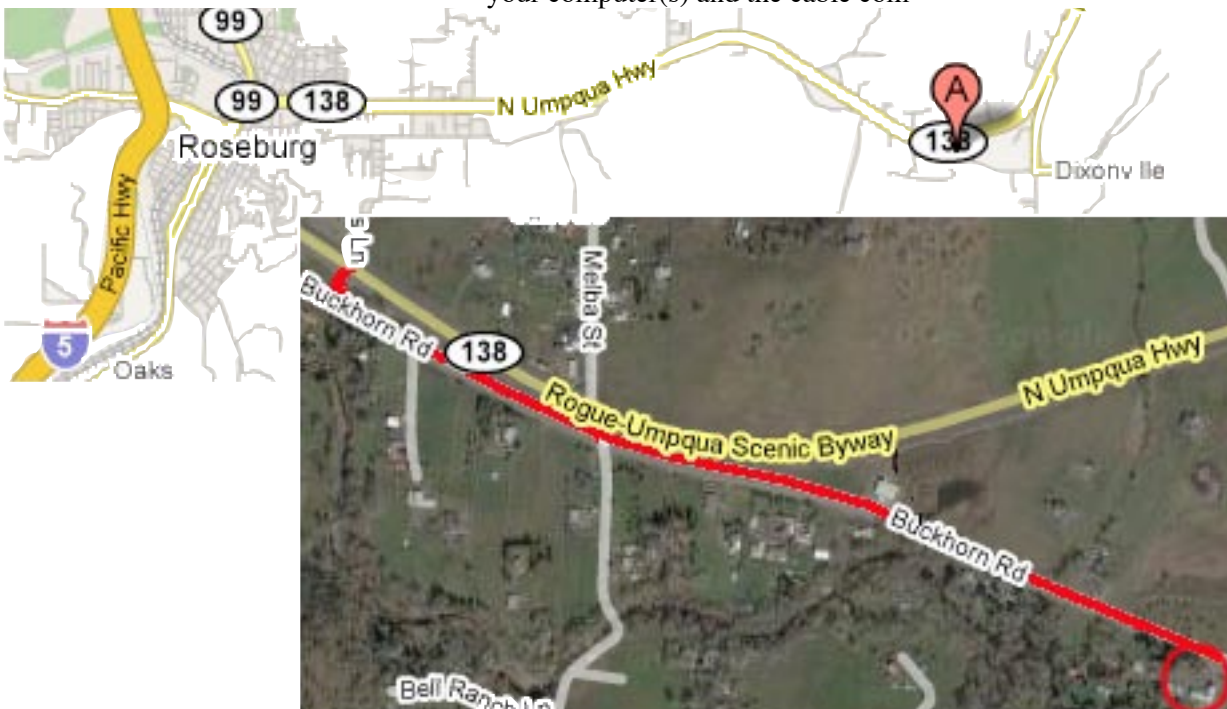
pany. The cable industry is apparently concerned about falling behind, so they've prepared **Data Over Cable Service Interface Specifications (DOCSIS) 3.0**, a standard for faster cable modems. Here's how it stacks up.

DOCSIS	Downstream	Upstream
1.x	38 Mb/s	9 Mb/s
Euro	51 Mb/s	9 Mb/s
2.0	38 Mb/s	27 Mb/s
3.0	+480 Mb/s	+120 Mb/s

Of course, if you have cable, you know you don't go as fast as any of these specifications. The service provider has means of limiting specific modems to their bandwidth limits

as part of the DOCSIS specifications.

Still, it would appear that in the coming future, cable subscribers might routinely have speeds of, say, 40 Mb/s instead of the 3 Mb/s they now enjoy. It is a very big difference and not easily met by some other media.



...?

## Desktops, Icons, Windows, VISA, Euros - OH, My!

by Jim McClellan  
<mcclellan@charter.net>

and then maneuver things from there. I must admit I have problems with this at times, but if I slow down and think a bit, it does seem a better way to do things.

Yes, I'm one of those users who prefer using keystrokes to do things, rather than the mouse. I even bought KeyCap shareware program that I read about in the PMUG newsletter, **Tracker**. Now if I just hold the command key down for a few seconds it shows all the key commands available. Now if I could just remember the difference between the icon for the Control key and Option key. The biggest problem so far with this program is that I used my VISA card and then after it was too late, realized the shareware fee was in Euros. it will be interesting to see what it really costs me.

The **Apple Blossom Computer Club** (ABCC) is an Apple Computer Inc., registered Macintosh and Apple ][ family user group. The ABCC publishes *The RoseByter* newsletter monthly which is posted to each paid up member and reciprocating user groups. ABCC participates in user group newsletter content exchange. The ABCC also maintains a WWW site at:

<http://www.abccmug.org>

### Membership

Just \$20/year! Send with your name, snail- & e-mail address & phone to:  
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Since the last ABCC meeting, I've been a bit more aware of my desktop and how/why I use it.

One interesting fact that should have been obvious is that OS 10 puts new items on the right side of the monitor starting at the top, it never occurred to me as a rational way to do something.

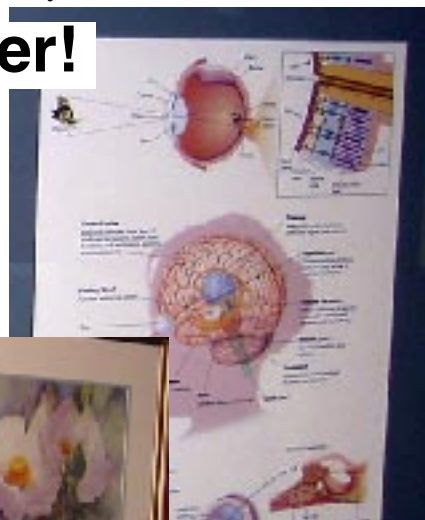
I know I used to get upset with Apple when this occurred and would move items to where I wanted them, not where Apple placed them. Now, I leave the desktop space on the right side empty.

Prior this, I must admit that there were times when I had four or five icons stacked on top of one another on the lower right corner and the rest of the desktop was full too!

Since that meeting, I am also trying to use the Cmd-shift-H to open a window

## Visit the Art Center!

Between now the coming meeting, you really should swing by the Art Center, 1624 W. Harvard Avenue between 9 AM and 6 PM (Sat 12-4) where you can take in an exhibit by John and Judy Waller in the Red Gallery. Then come to the meeting and find out how they do what they do on their Macs.





eBay sent this message to your registered email address .  
Your registered name is included to show this message originated from eBay.



## FPO NOTICE: eBay Registration Suspension -Section 9-

Dear user,

We are writing you to alert that your eBay account has been temporarily suspended. Our system can't verify your registration information that we have on file.

Per the User Agreement, Section 9, we may immediately issue a warning, temporarily suspend, indefinitely suspend or terminate your membership and refuse to provide our services to you if we believe that your actions may cause financial loss or legal liability for you, our users or us.

To speed up this process, you are required to confirm your eBay account.

### [Confirm your eBay account registration](#)

Due to the suspension of this account, please be advised you are prohibited from using eBay in any way. This includes the registering of a new account.

Regards,  
eBay Safeharbor Department

**Did You Get  
Your eBay  
FPO  
NOTICE?  
Did You  
Click Any-  
thing In It?**

This administrative email was sent to you from eBay. Your account is registered on [www.ebay.com](http://www.ebay.com). As outlined in our User Agreement, eBay will periodically send you information about site changes and enhancements. If you would like to receive this email in text format, change your [notification preferences](#).

See our Privacy Policy and User Agreement if you have questions about eBay's communication policies.

Privacy Policy: <http://pages.ebay.com/help/policies/privacy-policy.html>

User Agreement: <http://pages.ebay.com/help/policies>

I got my eBay FPO NOTICE in my eMail box the other day. Of course, this is obviously a scam since my registered user name is not "user". Or, maybe it is ... since I don't have an eBay account in the first place.

It's referred to as "phishing". The idea is that you'll be so anxious to fix this non-existent problem that you'll quickly click the link to get to the confirmation page and fill it all in. If you did that, you just sent your data to a site at **pop3.ru**.

A whois search yields an extremely cryptic result indicating the domain belongs to "Halverston Holdings Limited" which seems to be some sort of mashup of Russians and probably Americans with surreal addresses in the Virgin Islands. Glasnost has been good to someone.

Something tells me that if you sent your data off to them, the bill collectors ought to be showing up any day now, trying to squeeze more blood out of your turnip than it holds.

So, how do you avoid getting caught on the "phishing" hook? The first thing is to be skeptical. The second is to do some research. I didn't do this, but I've heard that eBay makes a point of telling people that they do NOT ask for the sort of data above—ever! I can attest that this can be a real problem if you've lost all your eBay account access data. They don't just tell you what it is when you beg for it. You have to have some sort of proof that you are who you say you are.

Another kind of research is the technical kind. If you look at the innards of an HTML (ie. fancy) email message,

you can see where the links are really pointing. Last time I checked, eBay wasn't based in Russia, which is what the "ru" part of **pop3.ru** means. If you don't know how to figure this out, ask another ABCC'er.

The thing about "phishing" emails is that they're designed to look like they could be legitimate on the surface. You have to look under the covers to be sure of what they are. In the case above, almost all the links will take you to some legitimate eBay web page. Now I didn't click the link to do any confirmation of the data with eBay that I don't have anyway, but I suspect the page there is very much like a page that eBay actually has in their stuff.

In this case, the mail was sent via AOL and not to any address, indicating someone had cracked an AOL server.

# Water Blogged Wump

Any trace of organization in these paragraphs is entirely coincidental

4



## Ah! The Good Stuff

The August TRB has just been delivered for your perusal and **I've been avoiding writing WaterBlog for at least a week.** Somehow, it just doesn't seem right to start one month's column before the previous month's is published. But ... there're just so many aggravating events picking away at me, I feel I'm not doing my curmudgeonly job if I don't vent some verbiage about them. Sigh ...

For example: what ever happened to parents? Today we seem to need Safety Town to teach kids that cars will squash their little carcasses if they happen to get in the way. **Has our society really "progressed"** to the point where parenting has to do only with conceiving, squeezing out and funding children? The parenting part seems to have been replaced with the need to pour money into programs, insurance policies, "necessary" accouterment, domiciles and one or more SUVs to cart the developing buds from program to program, preferentially via a hired chauffeur. I don't recall that I really needed the admonitions that I should be careful of traffic. Somehow, when I was a youngster, the notion that I was the rough equivalent of a smudge of lubrication to a typical vehicle didn't take a lot of convincing. Maybe it was because we played outdoors and tested the nature of materials all about us, that we came to such understandings without registering for a special program, spending days being drilled on various mantras certified to make us more "secure" and acting out the rules of the road with

expensive toy vehicles.

"Atom-Sized Transistor Ready For Use In Chips" is the somewhat misleading headline of a recent article about transistors made from graphene. Graphene is single atom thick molecule of carbon atoms that is organized **rather like chicken wire—sort of a two-dimensional crystal.** Like carbon nanotubes, graphene can be used to make transistors that are very small. The reported size in the headlined article was 50 atoms wide by one atom thick. Now that doesn't mention the length and the article didn't seem to be referring to a single line of carbon atoms as there was speculation there that something of that sort might also be possible. The part that's misleading is that these things are ready to be used. Actually, it's not thought they'd be practical before about 2025. I suspect it won't be that long. There's huge money in making chips smaller and more capable to say nothing of faster and less power hungry. I hope they get it going sooner than later, but not for the typical reasons. There's no way that terahertz signals are going to make it out of one chip, onto a circuit board and into another chip in anything like the manner things are built today. Such speeds and capacity will require fundamental reorganization of computing platforms if they are to be taken advantage of. I've been hypothesizing the necessity to do this for over 25 years.

It amazes me how paranoid we are about vehicular speed. "Speed kills!" **Actually, speed doesn't kill. If it did, life would not exist.** What kills is the sudden stop. A sudden start would work too, but we don't typically run around in vehicles that can start suddenly enough. I have to wonder what the net "value" of catching so-called speeders is. We seem willing to invest a lot in extracting money from people who are willing to travel faster than some number posted on signs next to

roads. I'd be less vexed about this if the numbers on the signs had some physical relevance to risk. But that's seldom the case. It's far more likely that a political decision fashioned a posted speed limit. Admittedly, my perspective is rare—I grew up driving three rut dirt roads at flank speeds and spent some time racing in SCCA (Sports Car Club of America). No automatic transmissions. No power steering. No power brakes. And, for me, no big engines. The key to going fast on a road course with a small engined vehicle is, "Don't slow down." It will never happen but I'd like to see a law that capped highway speeds on a sliding scale—your speed limit would be proportional to your vehicle's fuel efficiency rating. If you drove a guzzler, you'd have to run at truck speeds. Of course, driving might become more dangerous (it might not, too—going fast enough to require your attention has a tendency to keep you from falling asleep). So what? Living is dangerous. No one gets out alive.

What's wrong with this picture? For days—OK, for nights—there's been no Moon and no clouds. It's been deliciously dark at night. Even our neighbor's automatic yard light has been been curtained behind a veritable forest of deciduous leaves. Tonight, the clouds have blown in, there's still no Moon nor neighbor's night light and at 2 AM our back yard is lit up well enough to see color. **Something's amiss here.** Where are all the photons coming from? Are the clouds so radioactive they've taken up glowing as they slide silently by? Perhaps it is chemoluminous bacteria tossed up from the Pacific Ocean? No it's just a reflection of the lights of Roseburg. Lights to stave off the fear of the dark? What are they so bright for? Is Roseburg replete with 24/7 shops and shoppers walking from door to door? I find it curious that we countenance trespassing by the movement

## <--Water Blogged Wump

of one's body onto someone else's property with vehemence but find the trespass of others' radiation of both sound and, especially, light of nearly no societal interest.

I recently read some concerns of a techno-pundit that the FBI would not be able to complete the building of a 6 billion record data mining system. This rather bothers me a bit. Not so much from the perspective that the FBI is interested in invading our privacy by correlating data they can garner about our likes but rather from the perspective that it's only 20 records for each citizen. Unless they are pretty long, it's hard to imagine the data base taking up more than a few terabytes. These days, that takes about one or two server computers. Of course, I'm really over simplifying the situation. It would need to be able to quickly deal with queries from numerous agents scattered all over. Still, this sort of thing doesn't seem all that difficult to do in this day and age. **The hardest part is, I suspect, getting data and keeping it current.** But more importantly, I have to wonder why so little data. The objective is stemming terrorism and much of such activity is not carried out by our citizens. So, who will be represented in this database; just you and me or will data from foreigners seep in? Perhaps the 6 billion figure is not about what is classically referred to as records but rather about dossiers. That could push the memory requirement up into the petabyte region; no longer just a few PCs with fast networking but still well inside current "straight forward" deployment abilities.

I can honestly say I've never been a fan of Adobe. Their whole business seems to hinge on fear. Sadly, they're very successful at it. But it's hard to blame Adobe any more than it is to blame you. **Adobe is counting on you to force the rest of us into fearing that we won't keep up.** Even more sad is that this principle is part of most

mainstream companies' business plan. Web developers are using Flash 8 for their sites ... which, of course, is incompatible with earlier Flash players. Oh, by the way, Flash 8 is also incompatible with most the computers in the world, only willing to play on recent incarnations of CPUs and operating systems. If you're a hardware and/or software vendor this is just wonderful, I guess. Good ol' FUD. It makes the world go around ... if your willing to ignor inertia, that is.

I got my second call from some recording, purporting to emanate from "my" credit card company. I suspect my wife has hung up on her share as well (yeah ... I just asked). In the first place, this is call violating the law. In the second, **I suspect it's not from a credit card company at all but rather from a "phishing" operation.** The calls offer you your *final* chance to "reduce" your credit card interest rate. At some point, the recording gives you some options to hit "1" to talk to a live person to get your rate lowered (probably used as proof that you OK'd whatever they really are doing) or to press "2" to stop getting these offers. Hmm... the recording already told us this was our last chance, so why do they need us to tell them not to offer us yet another last chance? The fact that whomever set this stuff up clearly is a blatant liar and most likely a crook to boot, is not what really bothers me, however. What bothers me is that, once again, no one in a position to deal with this crap seems to be paying any attention. If it is from a real credit card company, perhaps its CEO, and maybe other officers, should be paying some hefty fines; perhaps even checking the view from inside a cage for a while. If it's just some out and out crooks, as opposed to the Wall Street variety, maybe we could revoke their phone privileges and give them a slap on the wrist or something. I mean it's not like it would take a teleco insider a lot effort to trace the calls.

I decided that today would be a good day for me to try playing with

Google Earth a bit. A number of things impressed me. First, I was impressed by Google's willingness to let me download an installer DMG (Disk iMaGe file) for a version that only runs on Tiger ... without bothering to tell me first. I was impressed by the fact that when I launched the Tiger version under Panther, **I was presented with the fact that the program would not run ... and a button to press to download the version that would.**

I was impressed that when I got the "correct" version, it was exactly the version that I'd already downloaded. I didn't click it's button to see if it'd download the right one. Instead, I Googled to see if I could find the version that was supposed to work. First I Googled by poking around on the Google Earth site. No joy. Then I Googled in that good ol' fashioned searching way and explored a few of the links that appeared to involve others who'd made this quest before. At one, I found a link to a version that runs on 10.3.9. I was so impressed by how easy this all was that I began to wonder if Apple paid Google to suppress the Panther version, adding pressure to their upgrade hammerlock. Google Earth is 100 MB of stuff that does indeed have an impressive interface. I've certainly not explored the operation of the program in any detail but what I did find was certainly interesting. I will say that if you're easily disoriented, a simple flick of the mouse can start your head reeling, so be a bit careful starting out. Google has paid a lot of attention to human interface issues and the program uses a lot of them, so experiment. Sadly, the image resolution appears the same as that for Google Maps and, for my purposes so far, it always seems to haze things over where I'd like to see stuff.

I was reading "The Salmon of Doubt" which is a lightly edited set of files taken from Douglas Adams Mac's hard drive after his untimely death. One vignette was full of admiration for the writings of P. G. Wode-

## <--Water Blogged Wump

house, whose name I'd encountered before but have no recollection of reading his writing. This does not surprise me though I may well have read everything "Plum", as he apparently was familiarly known, got published—it has been my nature to suck up the words written by authors who've remained nameless in my mind. It's a horribly selfish attitude which fails to recognize the sweat that goes into sequencing letters one after another to represent sounds whose sequence is intended to evoke a particular pattern of thought in the reader. Since Wodehouse is dead, I thought his verbiage might be on-line. I found about 40 items at the Gutenberg Project (<http://www.gutenberg.org>), nicely arrayed. A bit of inspection indicated they should be downloadable in Zip form. By this I don't mean I could sit there clicking buttons *ad nauseum*. Rather I could write a script to extract the links to the pages that got to each Wodehouse title, therein extracting the link to the Zip version of the title and finally downloading the title. **Easy. Or, at least it should have been.** For reasons which escape me, Gutenberg doesn't like being accessed by a simple "cURL" command. He prefers "real" web browsers. It took a while to figure that out. Rather silly thing for him to do, too. You see, once you know that, it's easy to tell cURL to play like it's a fancy, smancy, bit of browsing bloatware.

I just went through the pages at <http://www.apple.com/macosex/leopard/technology/>, not because I'm just dying to run Leopard (Mac OS X.5) but rather because the pre-release versions are breaking so much open source software. Apple has decided to make Leopard fully compliant "... to the SUSv3 and POSIX 1003.1 specifications for the C API, Shell Utilities, and Threads." **And, of course, they've made things "easier/better" for us all;** developers, users, administrators, etc. Translation: the world has been churned yet

again, so you'll have to wait for it to settle back down a bit, then work like crazy to make sense of the results. Of course, Leopard will only provide it's stated wonders to the last two years of Apple's computers (it will run on earlier versions, just not with all the bells and whistles at full crescendo). One might think that such tight compliance to base standards would make the world of open source on Macintosh smoother. But that ignores the fact that most open source software comes from Linux developers and they all seem to do their digital dancing to ditties of their own choosing. From what I can tell, the "eye candy" aspect of Leopard is where the real effort has gone. Many new development issues seem to revolve around enabling art history majors to become software developers.

I ran across an interesting statistic recently. Reportedly, **Apple's customer satisfaction index has dropped 5% over the last year.** This, despite being rated higher than any other computer manufacturer with a 79 out of 100 satisfactory score.

This from a techno-rag letter to the editor: If you want to avoid identity theft online, just use a service such as Ultimate Anonymity ([www.ultimate-anonymity.com](http://www.ultimate-anonymity.com)) to remain invisible to Web sites...

**Still**

# Eudora Going Open Source

by Walt Pawley <[walt@wump.org](mailto:walt@wump.org)>

## Whoo-Hoo!

Yup, Eudora is still undergoing the transformation from proprietary software to an open source project. What's changed is that you can now download an installer for a new version of the bleeding edge code at <http://www.eudora.com/download/eudora/mac/8.0/Eudora-8.0.0b1.en-US.mac.dmg>.

It's a 19 MB download which expands to a 50 MB application bundle.

I'm very glad to see that it's finally

You can even buy anonymous pre-paid VISA cards ... under any name and address ... This is one of these good/bad, yin/yang kind of things, so I thought I'd look into it a bit. **In my first effort, I mistyped "anonymity" as "anonymity".** Doesn't deter one from getting to a site—if you don't mind being in the wrong place—so be more careful than me, eh. One advantage making such a mistake had was that I got to poke into alternatives. Frankly, they aren't so simple. They aren't free and, I would not be the slightest bit surprised if many were not simply fraudulent. I "whois'd" the domain "ultimate-anonymity.com". It's registered to an address in Sao Paulo, Brazil. Ah, easy to resolve money problems from here to there. In the end, I didn't do anything with any of this and would recommend that you don't either. While they certainly talk a good line, there are quite a few issues they don't address.

"Sir Timothy John Berners-Lee, OM, KBE, FRS, FEng, FRSA (born 8 June 1955) is a British developer who together with Robert Cailliau invented the World Wide Web." It's amazing what a couple of carets (these things: < >) can do for a guy's reputation. While their use predates Tim's birth, we've been awash in the bloody things ever since hyper-text WWW'd.

come out of hiding. I did a bit of dithering with it and found that it didn't immediately pick up on an old set of account data. I suppose I should have "imported" it. Dunno.

And it's different. As they've been saying, it has its roots in Mozilla's Thunderbird. As a long term Eudora user, it "feels" strange though mail is still stored in plain text files.

Note: check out <http://www.infinitydatasystems.com/products/odysseus/index.html>. YaEudora replacement proj.

# That Bane of the Macintosh User

Many moons ago, I noticed that it was getting hard to find which CD had something of interest on it. So I asked members of our group about what they used to catalog removable media on their systems. There were lots of different answers.



So, I set off on a quest of sorts to find “my” platter cataloger. I tested quite a few. I even decided on one and began an earnest effort to go through the media and “get ‘er done!” Unfortu-

Like Rip van Winkle, I was recently awakened to the problem once again. I was messing around researching something with ManOpen, using the “apropos” function and came upon an entry for “drutil”. After reading it, I did some diddling (the most important part) and created a very simple shell script I called it “d2cat” for “disk to catalog”. The idea is that when I type “d2cat” into a Terminal window, a \*nix style listing of all the files/folders on the CD/DVD in the computer’s drive gets appended to the file in my Documents folder name “platcat”. It’s intentionally not a very smart program. For example, if you type “d2cat” more than once for the same CD/DVD, you’ll get multiple recordings of the same listing.

It was the stumbling over “drutil” that

extracts. It then checks DEVNAME for being non-null (ie. that the line defining the device was present) and tells you about it if there’s nothing in a drive.

The reason you need this name is that the “df” command produces an output with lines like those at the bottom of the page. The line that sets the value of VOLNAME uses DEVNAME to match the first part of the Filesystem column to pick out the right line (/dev/disk2s1s9) and then extracts the last field of the line (/Volumes/SpclOS9).

In the last two lines, the catalog is updated with the name of the volume and a long form, recursive (meaning it goes down through all the folders) listing of the files/folders on the media.

I have not yet started my omnibus catalog using “d2cat”. However, here’s

## d2cat

```
#!/bin/sh
# Try to add a CD/DVD catalog to the file ~/Documents/platcat
DEVNAME=$(drutil status | perl -ne '/Name: (.*)/ && print $1' - )
if [ x${DEVNAME} == x ]; then
    echo "\"drutil status\" did not report a drive"
    exit
fi
VOLNAME=$(df | perl -ne "m!${DEVNAME}.*\s(/.*)! && print \$1" - )
if [ x${VOLNAME} == x ]; then
    echo "\"df\" did not report a volume mounted on ${DEVNAME}"
    exit
fi
echo "\nVolume = ${VOLNAME}" >> ~/Documents/platcat
ls -lR ${VOLNAME} >> ~/Documents/platcat
```

how it should go.

1. Start Terminal
2. Type “d2cat” <br> <cr> or <↵> (tells you there’s no disk in the drive)
3. Open the drive drawer ☺
4. Stick on a platter
5. Close the drive drawer ☺
6. hit cursor-up - ↑ - (fills in “d2cat” for you)

nately, I found that “my” program got a bad case of sloth speed as the size of the catalog grew ... and it was comparatively light weight.

This got me to thinking about the problem and I wrote some AppleScript code that wasn’t too bad. All I had to do was drop the disk on an icon. At the moment, I can’t recall what problem arose to get me to abandon that effort but it was most likely a speed related issue.

made this possible. Here’s why. If you execute “drutil” while nothing is in your drive, you’ll get something like this:

```
Vendor    Product
PIONEER  DVD-RW  DVR-109  A912
Type: No Media Inserted
```

But, if you have some media mounted in the drive, you get:

```
Type: CD-ROM  Name: /dev/disk2
```

The stuff to the right of “Name: “ is what the line that sets DEVNAME

7. hit RETURN - <cr> or <↵> when the media icon appears on the Desktop
8. go to step 3 when it’s done (a whirl and tick-tock)

In other words, each platter takes four key strokes and they’re always the same. Besides, two of them you need just to get media in and out of the computer. I may get my media catalog yet!

	Filesystem	512-blocks	Used	Avail	Capacity	Mounted on
7	/dev/disk1s9	312555768	180183048	131860720	58%	/
	/dev/disk0s3	585810144	503707256	82102888	86%	/Volumes/fatrocket
	/dev/disk2s1s9	1330182	1263465	66717	95%	/Volumes/SpclOS9

# Not So Easy to Do Today

Way back, “in the good, ol’ days”, one could go out back into their garage and tinker some stuff together that would change the world. Between 1934 and 1938 Bill Hewlett and David Packard did a bit of that at 637 Addison Avenue, Palo Alto, California.

I’d be surprised if the insides looked as orderly as they do in this recent picture of the garage’s insides. Whether



08-DEC-2005

Pradipta Dutta

it’s an absolutely accurate recreation of the 80 year old stuff or not, it does illustrate that once upon a time, “high” technology was a lot easier to deal with. It’s a somewhat curious thing that the smaller the elements of technology get, the larger the tools to work with it seem to become.

Mostly this is because the state of most technology is very esoteric. In other words, there is so much already established infrastruc-



**The HP Garage is California Historic Landmark No. 976 – Birthplace of Silicon Valley. (1939 photo)**

ture that simply getting up to speed is a Herculean effort. Indeed, it quite likely is all but impossible for most of us.

so that we don’t relate to each other so readily. It forms a dependent psychology in society, ie. you have to get the guy to come in and do it.

I never met Bill Hewlett or David Packard but I suspect neither was much of a specialist.

## unClassifieds



Your factory authorized local dealer

walt@wump.org 672-8975

Need a manual?

Discount for ABCC members!



Apple Blossom Computer Club

<http://www.abccmug.org>

Give it a look.

Put in your own...



So, we “specialize”. This amounts to slicing off a hunk of a technology that can be practiced by rote. One becomes an expert specialist mostly by committing the rules for such practice to memory and gaining facility with some set of tools. Such things are easily difficult enough to occupy a life time these days.

But specialization has down sides too. It tends to cut us off from one another, separating our venues of experience