

# MotherBoard

Volume 16, Issue 9

September 1, 1999

## ***This Month at NOPCC***

### **LINUX The "Other" Operating System**

**By  
Ed Murphy**

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## **Editor's Message**

This newsletter will be a little different than the norm. There is so much going on in the Cyber Space world we oft times forget to come up for air. Well, take a breather folks! Wait until you read these pages and the several articles about what political measures are creeping into our world. The Feds and several other "influential" groups are really chewing their cud recently over global market places, free telephone calling, video conferencing over the Net, sales taxes on purchases, INCOME taxes on sales, small radio stations being heard around the world and a host of other issues that are just surfacing. You think Y2K is a problem? Wait until you hear what is going on around us at this very minute. Stand by for heavy rolls Captain!

Ed Jatho

## **"Hey! You Guys Got a Search Warrant"**

*Reuters, August 20, 1999 4:42 AM PT*

**WASHINGTON** -- The Justice Department is seeking new powers to break into private premises and disable security precautions on personal computers as a prelude to a wiretap or further search, the Washington Post reported on Friday.

The department wanted to make it easier for law enforcement authorities to get search warrants that would let them monitor suspects' computerized records after break-ins, said the paper, citing documents and interviews with Clinton administration officials.

"In a request set to go to Capitol Hill, Justice officials will ask lawmakers to authorize covert action in response to the growing use of software programs that encrypt, or scramble, computer files," the report said. Such encryption makes computers inaccessible to anyone who lacks a special code or "key."

Justice officials worry that such software "is increasingly used as a means to facilitate criminal activity, such as drug trafficking, terrorism, white-collar crime and the distribution of child pornography," the Post quoted an Aug. 4 memo by the department as saying.

Under the proposed "Cyberspace Electronic Security Act," investigators armed with a sealed warrant could comb computers for passwords and install devices that override encryption programs, the Post reported, citing the Justice memo.

To pull information from a targeted computer, agents would still be required to get additional authorization from a court, the paper said. Justice officials were not immediately avail-

able for comment. The proposal is the latest in a years-long tug-of-war between the government and computer users who want to protect their privacy by encrypting documents.

While Justice officials said their plan was consistent with constitutional principles, the idea alarmed civil libertarians and privacy advocates.

"They have taken the cyberspace issue and are using it as justification for invading the home," said Jack Dempsey of the Center for Democracy and Technology, an advocacy group in Washington that tracks privacy issues.

David Sobel, general counsel of the Electronic Privacy Information Center in Washington, said in an e-mail early Friday that the proposal "strikes at the heart of the Bill of Rights."

Surreptitious physical entries are relatively rare under existing surveillance laws. Such entries are made only to install hidden microphones, an investigative technique approved only 50 times by federal and state judges last year.

According to Sobel, "extending this extraordinary power to cases involving computer files would make police break-ins far more common than they are today."

The proposal followed unsuccessful efforts by FBI Director Louis Freeh and other Justice officials to secure laws requiring built-in "back doors" so investigators could pierce powerful encryption programs said to be a boon to criminals.

Passed along by Carole Rike

***Told Ya! Scary stuff, huh? Ed.***

## New LINUX SIG

The Linux Learners Group should have started last month, August 30th. The recurring meeting time and date should have been decided at the last meeting, but you will have to check the Linux Learners Group website <http://llg.homepage.com> to find the new time and date. The group meeting information will be posted on the web also. You can check the NOPC site as well <http://www.nopc.org>.

We should have a presentation on Linux at the next General Meeting. I can't wait to see it. As you might have heard, Red Hat Linux went public and its stock soared in one day. You were lucky if you could purchase some shares. There has been a trend in the online PC sales community to start installing Linux on new PCs instead of Microsoft Windows 98/95/NT. I wonder how many people keep the OS and how many decided to redo their drives? If anyone has purchased a machine lately and it came with Linux, please let us know. I would be interested in your thoughts on the OS. I am composing a document comparing the three versions of Linux I have to test at the Linux Learners Group. It should be posted on the <http://llg.homepage.com> site soon after our meeting.

Some quick stats for those interested in Linux. Now, I must state that these requirements are for the GUI version. I am not interested in the Command Line version. I want to run X Windows or FreeX or something like that. So, I have tried to install Red Hat, OpenLinux, and SuSE Linux. I prefer OpenLinux because it actually lets me install Linux on a machine that already has Windows 95 without much problem. Well, anyway, the versions above all seem to want 16MB or more. 8MB just wasn't enough. They also want fairly good components, some balked at my 256K Video Card. Each require a good CD to install. I could not get them to see a CD with a proprietary controller with DOS drivers, although I will try this test again a different way. Lastly, I would like to make a comment about the error messages. I thought Windows had bad error messages. Here are a few I received: **Warning an Error has occurred.** With OK button. - I pressed it - it reset - failed install. **Received Signal 9** - I checked Red Hats website. No mention of it. They mention Signal 11, but no 9. **Kernel Panic VFS to mount root fs on 8:21** - That was a lockup. Apparently successful. -After a probe (auto detect hardware)

Well, I am not an expert with the Linux OS by any means, so maybe to some these error messages are trivial. If you are an expert, we could surely use you at the Linux Learners SIG meetings.

Manuel Dennis III

**Weiler's Law:** *Nothing is impossible for the man who doesn't have to do it himself.*

## Open Access Issue

Wall Street Journal, "How to End the World Wide Wait" An editorial by William E. Kennard, chairman of the Federal Communications Commission.

The first message to be sent over the Arpanet, the forerunner to the Internet, was neither as eloquent as Samuel Morse's "what hath God wrought" nor as practical as Alexander Graham Bell's "Watson, come here. I need you." Rather, it consisted of two letters, "L-O." Apparently, the researchers testing the system tried to send "log-in," but the network crashed before they could finish typing.

From this inauspicious beginning 30 years ago we now have more than 130 million people world-wide sending e-mail, surfing the Web, watching streaming video, listening to music and even making phone calls over the Internet. But as anyone who has ever gone on-line knows, the World Wide Web is too often the World Wide Wait. To take full advantage of the Internet, we need "broadband" connections--fatter pipes to handle the crush of information and complex applications now available.

A fierce battle has erupted over what to do with one of the possible broadband connections: cable. Some fear that cable companies will get a lock on the broadband market, dictating who can connect to the system and where users can go once on it. Calling for "open access," they want the Federal Communications Commission to step in and regulate the cable platform. Recently, local cable franchising authorities have decided to make open access a condition of doing business in localities from Portland, Ore., to Broward County, Fla.

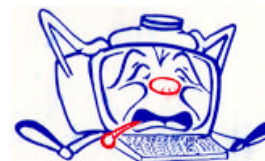
The quest for openness in the Internet is in line with the history of this medium's remarkable development. Indeed, the Internet's open protocols as well as FCC decisions not to regulate the Internet and to open up access to the home network are at the heart of the network's growth. E-mail, the Web and Internet radio are only some of the applications that have been developed and deployed in this open environment.

What we need to remember now is that no one could have predicted these innovations. We cannot regulate

## The Computer Emergency Room

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# THE OLD RAMBLER

The most exciting news from the August meeting was delivered by Charley (Zeke) Zimmerman who was given the job of finding suitable presentation equipment for the club to use - especially in the general meeting - program presentations.

Charley had reason to be proud of his accomplishment and the club's good fortune. He purchased this equipment ON THE INTERNET. He advised that we all be cautious and prudent but that we not be afraid to buy on the Internet. He explained that he had followed the advice he was giving us, asking plenty of questions and making certain of the credentials of the vendor of the package and, of course, attempting to get the very best price for the club. We're sure he DID succeed in the latter part of that procedure!

A good friend of Mr. and Mrs Rambler is joining our club. Her name is Millie Kimball and we think you will want to get to know her. Millie is a "good ole country gal" who is at the same time a savvy business and professional woman who knows the ropes, having been active in the Zonta Club for many years. She was a close friend of the mother of Dr. Martha Wickett, another of our members. Millie began her affair with the personal computer in her home only a year or two ago with an up-to-date Pentium and the usual attachments such as printer, fax and modem. She enjoys being online and learning all of the ways to enjoy her PC. In fact, Millie had no more than gotten seated at the August meeting when some of the Genialogy SIG folks sitting around us extended her a warm invitation to join that SIG. The SIGs of course are where we get to know each other and receive a lot of help with our computer problems as well.

Welcome to our (YOUR} club, Millie. We wish you much enjoyment of your PC and every success in your

business and personal life.

For those of you of so little faith in the technical skill of the Old Rambler, please acknowledge just how wrong you were in predicting that when he undertook to install that Internal Zip Drive in his Pentium the machine would explode within two hours if not immediately. Well, ladies and gentlemen, despite the refusal of our techs to award him his due certification (advanced novice 1) it is now well over a week since he played Russian roulette with his ribbon cables and stretched one of them to the limit to make it fit and the software, working in perfect harmony with the drive has backed up the OR's entire hard drive in swift order and promises to record whatever music he might wish to play. All this for sixty bucks for a shrunk wrap and it was FUN outbidding our wily auctioneer (big grin).

The presentation of Corel Word Perfect 2000 as the main program for the evening was accomplished with a polish bon of thorough knowledge of the product by the company's presenter working with our smooth new equipment. This insured that everybody in the audience enjoyed a clear view of each demonstration screen Even those for whom the software was a bit sophisticated listened attentively and with appreciation.

We know some of you are obliged to miss a meeting now and then but we are reminded every meeting night of the sacrifice necessary when a meeting must be skipped. In fact, for a summer general meeting, it was the consensus that the attendance was good.


See you at the September meeting and the OR is looking forward eagerly to an anticipated flea market very soon now. Perhaps one will even be announced in this issue of the Motherboard.

Frank Masingill

## News Tidbits

NEW YORK (AP) -- Researchers have developed a chemical process that could lead to computer components no thicker than a single molecule, an important step toward the creation of new, ultra fast machines. The team from the Hewlett-Packard Co. and the University of California at Los Angeles say their work could ultimately lead to computers 100 billion times faster than today's most powerful personal computers. Their findings were published today in Science magazine.

Passed on by Manuel Dennis III



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## News Briefs & Interesting Stuff

As AT&T Corp., the nation's biggest telephone company, has marched into the cable television business, it has found itself locked in a battle of legal briefs, lobbying salvos and public relations campaigns against America Online Inc. But behind the scenes, a side deal may now be in the works -- one that could eventually undermine Excite@Home's business model. The fight over "open access" to AT&T's cable systems has raged in local communities and AOL has consistently argued that AT&T must let Internet carriers link directly to AT&T's cable systems. AT&T maintains that because it is investing billions to upgrade its cable networks to carry Internet data, it should have exclusive right to determine how those systems are used for Internet access. But AT&T and AOL reportedly are considering an arrangement that would diminish the role of ExciteAtHome by giving America Online and possibly other Internet providers enhanced access to AT&T's systems.

The future of high-speed Internet access is in the voters' hands in many districts nationwide. A proposed ballot initiative in Denver would allow voters to decide whether cable networks should be forced to be open to competing Internet service providers. A ballot drive in Massachusetts is seeing a group of advocates intent on bringing the issue to either the legislature or the November 2000 ballot. Christopher Grace, head of a Boston venture capital firm, announced Thursday that he filed a petition to allow the vote. And San Francisco is also seeing a deluge of pro-open access groups considering a ballot campaign. But not everyone thinks that leaving the issue up to consumers is a good idea. "It makes no sense at all to make voters decide technical questions," said Jim Shulz, executive director of San Francisco's Democracy Center. "[But] on the other hand, voters have every right to do so. For the most part voters make pretty savvy choices."

**MCCAIN SAYS FCC TOO LAX ON BROADBAND** Senate Commerce Committee Chairman John McCain, R-AZ, criticized the Federal Communications Commission's "laid-back" approach to broadband regulation in his most recent effort to stoke the debate in the Senate and drum up support for his solution to the problem. "The FCC is complicit in extending cable TV's existing stranglehold over consumers into the new market for high-speed data services," he said in a letter to Senate colleagues. McCain introduced legislation in May, S. 1043 that would prohibit the FCC from regulating any aspect of Internet services. The bill would give the Baby Bells the relief they seek to offer high-speed data services outside their local regions. The Bells currently are prohibited to offer services outside their region until they comply with a competition checklist included in the 1996 Telecommunications Act. McCain, who voted against the act, said the FCC's stance has limited the rollout of high-speed services to rural and underserved areas. "The problem is that the FCC's laid-back approach is ena-

bling the unregulated cable TV industry to become the dominant provider of integrated voice, video and data service, while at the same time the FCC maintains a slate of onerous rules that severely restrict local telephone companies' ability to offer competing high-speed Internet services," McCain wrote. In the House, Reps. Billy Tauzin, R-LA, and John Dingell, D-MI, were targeted by competitive telephone companies for their bill, H.R. 2420, which would give the Bells relief to offer broadband services. Twenty-three executives from competitive phone companies, ranging from Denver-based Qwest Communications to Cedar Rapids, IA-based McLeodUSA, argued that the Bells don't need relief because they already are deploying broadband services through digital subscriber lines (DSL). "Such 'relief' legislation is unnecessary because the monopolies are deploying DSL services without it," said the letter by the Competitive Telecommunications Association. Six bills with various approaches to broadband deployment have been introduced to date in the House and Senate. Most lawmakers, however, have been wary about any attempts to reopen the 1996 act.

Passed on by John Souvestre

From: "Jesse Berst's AnchorDesk"

<[AnchorDesk\\_Daily@anchordesk.zdlists.com](mailto:AnchorDesk_Daily@anchordesk.zdlists.com)>

NOW \*YOU\* ARE AN ENEMY OF THE STATE! DOJ SEEKS RIGHT TO SPY ON YOUR COMPUTER !

Forget the conspiracy movies. It's happening in real life now. The Clinton Administration wants the right to break into your home and install a "listening device" on your computer. Of course, they promise not to abuse the privilege. (Right. Sure. Uh-huh.) Forget the Melissa virus. Forget Y2K. This may be the scariest computer threat of the year. I've got the full, frightening story -- plus a chance to be heard -- waiting for you at the site.

<http://cgi.zdnet.com/slink/?adeska/adt0823ba/3770:1033458>

John Souvestre

## Internet Access Probe

U.S. Federal Communications Commission Chairman William Kennard has turned down a request for an inquiry into whether cable companies unfairly restrict their customers' choices for Internet service providers, saying government intervention would chill overall development of broadband networks.

Kennard on Wednesday said he was rejecting a recommendation made last month by the FCC's Local and State Government Advisory Committee that the FCC begin investigating complaints about cable companies with an eye toward forcing them to open their networks. The FCC's Local and State Government Advisory Committee is composed of state and local government telecommunications and cable regulatory officials, said Morgan Broman, an FCC spokesman. For the full story:

<http://www.infoworld.com/cgi-bin/displayStory.pl?990812.icable.htm>

## A Member's View of the Board of Directors' Meeting

Remembering that members are invited to attend the Board of Directors meetings, I had an occasion to do so and found it very enlightening to have attended. There are two sides to an organization, particularly a club:

1. What we all experience in the general meetings such as in the NOPC announcements, technical discussions generated by questions, special guests and their presentations followed by prizes and an auction – We the audience, glide through this with the greatest of ease.

2. The other side is the board meeting, where the oiling of the machinery takes place, and as need, the re-vamping of the machine.

In this particular meeting there was no let up of over two hours. In addition to new business, there was considerable minutiae to grind through. There is the eternal question of money and there is never enough. Finding ways to get around the dilemma is the thread that ran through nearly all the action that took place that evening.

There is the need to increase membership if we get more money, but much discussion centered on finding small increments of saving in order to live within our budget and have funds for new ideas and unanticipated expenses. As an example, the club has recently purchased a very expensive projector for our meetings and for the SIGs. (Having a projector for any occasion is about the best thing since a slice of bread.)

There was a discussion regarding the cause of action regarding the distribution of the MotherBoard. A solution to that question is in the making and hopefully will satisfy those who prefer snail mail and those who prefer electronic mail. Again, with the possibility of saving money.

In the pursuit of better audio for the meetings, the

use of a wireless microphone may soon be in place and without cost to the club. This comes through the generosity of one of our members. Acceptance of some older models of laptop computers may be forthcoming. Again the general meetings will benefit as well as the SIGs.

Composition and content of the newsletter is a monthly consideration. Ideas were received regarding the auction plus exploring better rates for the credit card service the club provides. Any organization of this nature has some legal obligations to adhere to and require annual action. (See below).

This is just a brief overview of the board meeting. Adjournment did not end their work. Every member either had volunteered or had been assigned additional responsibilities on various items on the agenda. This meant completing an agreed action or investigate further several proposals for the next meeting. Tom Ford, our treasurer, gave his report that money wise we were still in good shape because of the dedication of the board members. I might add that he left with enough work, which he willingly accepted, that will limit his time to come up for air.

I hope this reflects the dedication of our board in trying to make it a better NOPC. And after all that work, there was a little play, that is, having dinner. I was invited and thought of having all that talent at a table was taken seriously. I'm one of those that the club is there to help and I had unlimited questions. Then it occurred to me that I would feel obligated to pick up the meal ticket or worse still, be billed by Ed for an hour of bench work. I declined. :-}

Frank Seavey

*The BoD really appreciates these kind words from Frank. Sometimes being on the board isn't a picnic, but it is always fun. Face it, if we didn't enjoy it, we wouldn't do it!*

Editor



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## With Apologies to Mother Goose

Little Miss Muffet opened her notebook  
and called on WordPerfect to write  
Along came a spider, who sat down beside her,  
and explained how the function keys worked.

Mother McGee went to drive C:  
to find her poor Windows a byte  
But, when she enquired, all drive space expired  
And not even Stacker would put it right.

Jack and Jill are married still  
but things look kinda scary  
He loves a PC; she's fond of a Mac  
and RISC makes both of them wary.

Jackie Elliott



## A REAL Y2K Tip

Double click on "My Computer".  
Double click on "Control Panel".  
Double click on "Regional Settings" icon.  
Click on the "Date" tab at the top of the page.

Where it says, "Short Date Sample", look and see if it shows a "two digit" year. Of course it does. That's the default setting for Windows 95, Windows 98 and NT. This is the date setting that feeds application software and WILL NOT rollover in the year 2000. It will roll over to 00.

Click on the (down arrow) button across from "Short Date Style" and select the option that shows, mm/dd/yyyy. (Be sure your selection has four Y's showing, not two) Then click on "Apply" and then click on "OK" at the bottom.

Easy enough to fix. However, every single installation of Windows worldwide is defaulted to fail Y2K rollover. How many people know about it? How many people know to change that?

What will be the effect? Who knows. But this is another example of the pervasiveness and systematic nature of the problem. (and maybe a "Bill Gates Conspiracy") Now YOU know - pass it on!

Jackie Elliot



## \*\*\*Book Signing\*\*\*

Charlyn Keating, partner in the firm EyeOnet and author of the book "Taming the Internet" [reviewed in last month's newsletter] will be at the next meeting, on Sept 1, offering Club members a special NOPC discount price. The book retails for \$14.95 and she will be offering the book to Club members for \$11.95 plus tax or a total of \$13.00. Check or cash only. You can also view her Web site at:

[www.tamingtheinternet.com](http://www.tamingtheinternet.com)

if you want. She can answer any questions that you may have and will personally sign each book that is purchased. Come join us for this special occasion.

## Continued from Page 2, Open Access Issue

against problems that have yet to materialize in a market that has yet to develop. Moreover, we cannot have 30,000 local cable communities trying to make their own predictions and placing their own regulatory bets on the future.

Simply put, it's in the national interest to have a national broadband policy. That is why the FCC has filed a friend-of-the-court brief in a pending Ninth Circuit case arguing that only the commission has nationwide authority over broadband providers. It is also why the FCC has decided not to intervene in this nascent broadband market. In doing so, we are following advice as old as Western civilization itself: First, do no harm--a high-tech Hippocratic Oath.

Instead, we are taking steps to ensure that there are many competitors in the marketplace, not just cable. We've made more spectrum available to wireless operators. We've made it easier for emerging competitive local phone companies to plug into the existing phone network in order to provide high-speed Internet access using a promising new technology known as digital subscriber lines. And we've decided to allow the cable companies to go ahead with their efforts to deploy broadband access without pre-emptive regulation, even as we closely monitor the marketplace for anticompetitive behavior.

We believe that by giving all competitors the tools they need to compete, we can create a robust broadband marketplace in which the American consumer will have many different options at competitive prices. Already, we are seeing the fruits of this deregulatory policy: In just the second quarter of this year, the number of DSL subscribers doubled.

Internet users want and expect choice, and they will not be satisfied unless they get it. A national policy of openness and competition has brought it to them so far; it should be our policy for the future as well.

## The World According to Kids

\*Question: What is one horsepower? Answer: One horsepower is the amount of energy it takes to drag a horse 500 feet in one second.

\*You can listen to thunder after lightening and tell how close you came to getting hit. If you don't hear it, you got hit, so never mind.

\*Talc is found on rocks and on babies.

\*The law of gravity says no fair jumping up without coming back down.

\*When they broke open molecules, they found they were only stuffed with atoms. But when they broke open atoms, they found them stuffed with explosions.

\*When people run around and around in circles we say they are crazy. When planets do it we say they are orbiting.

\*Rainbows are just to look at, not to really understand.

\*While the earth seems to be knowingly keeping its distance from the sun, it is really only centrifuging.

\*Someday we may discover how to make magnets that can

# NOPCC Directory

## Elected Officers

President	David Freedman	president@nopc.org	david@wwoz.com	482-7070
Vice President	Zeke Zimmerman	vp@nopc.org	zim.family@sstar.com	456-2991
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## Standing Committies

BBS SysOp	Lanny Goldfinch	sysop@nopc.org	lanny@nopc.org	482-5066
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SIG Coordinator	Donald McCune	sig@nopc.org	dcm01@gnofn.org	288-1852
Webmaster	Manuel Dennis III	webmaster@nopc.org	md3@gs.verio.net	835-7656

## Special Interest Groups

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FoxPro	Gary Shurman	foxpro@nopc.org	gshurman@software-stuff.com	838-9999
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Internet	Ray Paternostro	internet@nopc.org	ray.paternostro@sstar.com	737-9099
N O C K	Albert Fox	nock@nopc.org	albertf@sstar.com	861-1630
New Users	Zeke Zimmerman	new-user@nopc.org	zim.family@sstar.com	456-2991
V Basic Learn Grp	Manuel Dennis III	vblg@nopc.org	md3@gs.verio.net	835-7656
Windows Apps Dev	Manuel Dennis III	wad@nopc.org	md3@gs.verio.net	835-7656
Small Business	John Souvestre	sbnet@nopc.org	johns@sstar.com	888-3348
Visual C++ Learners	Manuel Dennis III	vclg@nopc.org	md3@gs.verio.net	835-7656

## Other Important Numbers / Addresses

Club Hotline	Recorded messages. Meeting Information. Open 24 Hours	454-6166
NOPCC BBS	Bulletin Board System for members. The original way to PC communicate.	486-7261
NOPCC Web Site	On the World Wide Web. Our own home page and club information.	<b><a href="http://www.nopc.org">www.nopc.org</a></b>

point in any direction.

\*South America has cold summers and hot winters, but somehow they still manage.

\*Most books now say our sun is a star. But it still knows how to change back into a sun in the daytime.

\*Water freezes at 32 degrees and boils at 212 degrees. There are 180 degrees between freezing and boiling because there are 180degrees between north and south.

\*A vibration is a motion that cannot make up its mind which way it wants to go.

\*There are 26 vitamins in all, but some of the letters are yet to be discovered. Finding them all means living forever.

\*There is a tremendous weight pushing down on the center of the Earth because of so much population stomping around up there these days

\*Lime is a green-tasting rock.

\*Many dead animals in the past changed to fossils while others preferred to be oil.

\*Genetics explain why you look like your father and if you don't why you should.

\*Vacuums are nothings. We only mention them to let them know we know they're there.

\*Some oxygen molecules help fires burn while others help make water, so sometimes it's brother against brother.

\*Some people can tell what time it is by looking at the sun. But I have never been able to make out the numbers.

\*We say the cause of perfume disappearing is evaporation. Evaporation gets blamed for a lot of things people forget to put the top on.

Thanks to Lane Holt

# September 1999

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 <i>General Meeting</i> <i>J.D. Meisler 6:30</i>	2	3	4
5	6 <i>Nock SIG</i> <i>1430 Broadway</i> <i>VLBG McC @ 6:30</i> <i>WADSIG @ 8:30</i>	7 <i>Geneology SIG</i> <i>McCann's 6:30</i>	8 <i>BoD McC @ 6:30</i> <i>Visual Foxpro SIG</i> <i>Software &amp; Stuff</i> <i>6:00</i>	9 <i>ACT! Sig McCann's</i> <i>6:30</i>	10	11
12	13 <i>Nock SIG</i> <i>1430 Broadway</i> <i>VLBG McC @ 6:30</i> <i>WADSIG @ 8:30</i>	14 <i>Small Business</i> <i>Internet SIG</i> <i>McCann's 6:30</i>	15 <i>Nock SIG</i> <i>1430 Broadway</i>	16	17	18
19	20 <i>Nock SIG</i> <i>1430 Broadway</i> <i>VLBG McC @ 6:30</i> <i>WADSIG @ 8:30</i>	21	22 <i>Visual Foxpro SIG</i> <i>Software &amp; Stuff</i> <i>6:00</i>	23 <i>Internet SIG @</i> <i>McCann's 6:30</i>	24 <b><i>Newsletter</i></b> <b><i>Deadline for</i></b> <b><i>Submissions</i></b>	25
26	27 <i>Nock SIG</i> <i>1430 Broadway</i> <i>VLBG McC @ 6:30</i> <i>WADSIG @ 8:30</i>	28	29	30 <i>Lick &amp; Stick @</i> <i>McCann's 6:30</i>		

NOPCC is a private non-profit organization Chartered under the State of Louisiana. Its purpose is to provide an open forum for discussion and education of the membership in the use and application of PCs and peripheral equipment and software. Annual Dues Schedule: Regular Member, \$40/yr.; Family Membership, \$60/yr.; and Students (under 21) , \$20/yr.

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