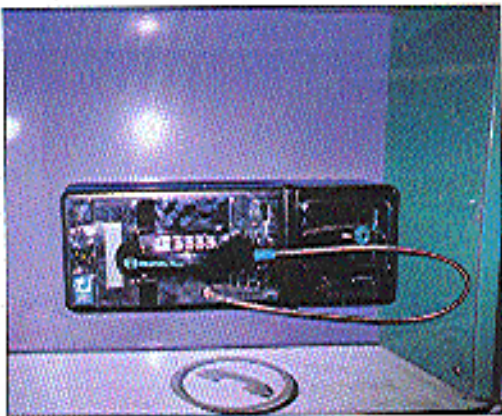


Foreign Payphones



Santiago, Chile. Living proof that a bright red phone always brightens up a street.

Photo by Sol Perez



Santiago, Chile. This is what that ugly metallic shine will get you - glare and lots of it.

Photo by Sol Perez



Athens, Greece. Found at the base of the Parthenon.

Photo by Peter Photopoulos



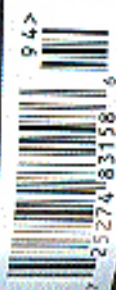
Kyoto, Japan. An ISDN phone that looks too moribund for its own good. We wouldn't be surprised if it speaks.

Photo by eclipse

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2600

The Hacker Quarterly



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"Hacking can get you in a whole lot more trouble than you think and is a completely creepy thing to do." - DOJ web page aimed at kids to discourage hacking
(www.usdoj.gov/Kidspage/do-dont/reckless.htm)

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Violence, Vandals, Victims

As the 90's fade into history, it's not likely the unhealthy trends of our society will do the same. Far from gone, in many ways we've become practically enslaved to the corporate agenda, to the great detour of the individual.

The signs have been around for a while. You've seen them repeatedly in those pages. People interested in technology who ask too many questions or probe too deeply or thoughtfully are seen as a threat, because they might adversely affect profits or otherwise lose an authority. The net has steadily been transforming from a place where freedom of speech is paramount to one where it all involves around the necks of businesses.

Now there's nothing wrong with commerce, people making a profit, or even people who just don't care about the things others value. After all, there's room for all types in the world as well as on the net. But that's not how it's perceived out there. The needs of the individual are being sacrificed for the needs of big business. Corporate mentality is replacing our sense of individual liberty. And it's pointing us down a very dark road.

Consider things that have happened in the very recent past. A teenage hacker from Washington State pleaded guilty to hacking several prominent government web sites, including the White House and the United States Information Agency. Despite there being no damage caused to any of the sites (apart from a minor nuisance) and having the individual (a 16 year old) the government felt that 15 months in prison and a \$40,000 fine was appropriate. Reports say he could have gotten 15 years and a \$250,000 fine.

Later that same month, coincidentally to the same state, police fired tear gas and shot rubber bullets at a crowd of peaceful demonstrators who were protesting the World Trade Organization's meeting in Seattle. Many said it was the worst civil unrest since Vietnam.

At first glance, you might not think these signs have very much to do with one another, but when you analyze them a little more closely, it's not difficult to see that they are both symptoms of the same disease.

March of the unprovoked brutality inflicted by the Seattle Police went unreported, despite the abundance of sound and picture images, but every major network quickly ran a story about the "violent anarchists" who started all the trouble. In the end, whenever the word "violence" was mentioned, one thought out of those possible.

Zygon caused no damage to any of the systems he got into. Yet the mass media painted him as someone dangerous. He's named a file, but all reports say that he shut

down the CIA for eight days. This is how long it took them to install decent security, something they had never bothered to do in the first place. He didn't take away their security - they never had it to begin with. But this fact wasn't seen as relevant in any of the stories that ran. And what about the act of taking a young person away from his friends and family for more than a year and forcing him to live with potentially dangerous criminals? Well... that's justice.

In both cases, that which is most precious to our society - the individual - was made to suffer because their actions and form of expression caused a violation of some greater power. We've seen this before in the hacker world with Bernie S. and Kevin Mitrak (who is at last scheduled for release on January 21, 2000). People who go to forbidden places, utter forbidden speech, or are just seen as an inconvenience are stepped on, abused, even tortured.

Why punish such relatively harmless individuals, whether they be hackers or demonstrators, with such punishment or vengeance? Could it be that their very existence constitutes a real threat that the authorities have no idea how to handle?

In Seattle, the disparities between what happened and what was reported were almost comical - vandalism of commercial property being reported as violence whereas violence against individuals was merely glossed over, with the exception of certain keywords and alternative media. What kind of a society are we turning into when commercial issues are more important than the human injuries? How could the good people of Time Warner (CNN) have missed that? Or Microsoft and General Electric (MSNBC)? Or even Disney (ABC)? Why would such bastions of journalism ignore the real story? Were they maybe more concerned with whether the WTO would continue to look out for them and their interests?

We may indeed have developed a horribly cynical outlook on society. It's hard not to when things like this are so often tolerated. But the disparity is that our view of the individual has only strengthened. If there's one thing we've learned from recent events, it's that people aren't as brain dead as we were led to believe. People do care, they are paying attention, and they see the ominous signs of the future. Few persons seem to trust the government anymore, big business is increasingly seen as a threat to our freedom, and individual troublemakers are filling our expanding prison system.

It's not very difficult to see how we got to this sorry state. All of the messes and considerations of power have carried a heavy and inevitable price. The real question is how do we regain control of our destinies?

Continued on Page 55

ACCESSING FORBIDDEN NTFS DRIVES

BY TUNBERSVX

The following information is described for the purposes of education. I'm aware this procedure could be and has been used to circumvent the security of any Windows NT machine which the user has physical access to. I do not condone the use of this information for illegal purposes, nor am I responsible for anything stupid anyone does with this information. NTFS support in Linux is still Beta, reading and copying from the drive is stable, but copying to the drive is an "at your own risk" deal.

Intro
One of the many misconceptions about Windows NT is that it's a secure operating system and that by formatting a disk with NTFS and properly setting permissions, nobody can access the information on that disk without permission to do so.

There are two problems with this theory. First, it is wrong. Second, all it really does is make crash recovery more difficult. I will describe a method for circumventing NTFS security: using a Linux boot disk. This can be useful in many ways. From the system administrator's view, this is an excellent way to get access to important files on a system that has crashed before formatting the hard drive and reinstalling NT. From the hacker's view, it gives access to the system files. He would not normally have access to the registry, user profiles, PST files, etc.

In order to accomplish this you will need some knowledge of Linux. It is possible to do this with a DOS bootable floppy, but the only NTFS drivers available are read only and therefore useless to me. In all fairness, Linux has this vulnerability as well.

The first thing you need is a copy of the latest version of Trinux. This is a Linux mini distribution designed for network administration and it has many useful features. Its best feature though is its ability to boot from a floppy on virtually any machine which has more than 6 MB of RAM.

Get two blank floppy disks, go to www.trinux.org and download the following files: boot.gz, classic.gz, nfs.o, and rawfile.exe. The current version as of this writing is 0.62, however user version 0.61 as there is not enough room for extra

files on the 0.62 boot disk. Follow the instructions for unzipping and making the boot disk and the data disk. If you can't get this far, you have no business doing this in the first place.

When this is done, copy nfs.o to the boot disk, edit the `modules` file, add the line "nfs" to it (no quotes), and save the file. At this point it is best if you boot the disk a few times, first to test it and second to get familiar with what will happen and how Trinux will respond to commands given it. This way there are no surprises.

What Next

Now take the two floppies to the machine you want to access. Boot the first disk. When it asks if you have a data disk, put in the second disk and type "y" then hit return. It will then ask you again. Type "n" and hit return.

When it is finished booting, you will have a "Trinux 0.61" prompt. Type "insmod nfs.o", this loads the NTFS support. Type "mount -t nfs /dev/hda1 /mnt", this will mount the first partition on the first hard drive. This assumes the first partition on the first hard drive is an NTFS partition. If not, the following table will give you an idea of how to mount the proper drive.

These are for IDE drives:

`/dev/hda1`

`/dev/hda2` second partition on the first drive

`/dev/hda1` first partition on the second hard drive

`/dev/hdb2` second partition on the second hard drive

You get the idea. Now you should have access to the drive. You can now put a third floppy in the drive and type "mount -t nfs /dev/hd0 /floppy". This gives you access to the floppy so you have someplace to save files to. Alternatively, if you are really clever you could get the proper modules for zip drive support which connects to the LPT port (see "a and ppa.o), which would give you more flexibility in copying files.

I would like to give creative credit to CM, who challenged me to find a way to access an NTFS system from a floppy disk.

SECURITY THROUGH IT? TOT LIKELY

by Kurrupt2k

For quite some time, hacking has meant knowing a decent amount about UNIX, or for you old-school hackers, VMS, TSO, or whatever. Maybe you would have to know a bit about Netware, but that was as far into the PC world as you cared to delve. Well, it's 2000 now, and Microsoft is getting its feet into the World Wide Web, meaning the passage of NT machines on the net is increasing. A lot. Now, many of your UNIX-only hackers refuse to even glance in the direction of a Windows box, but NT is only going to get bigger as time goes on, not to mention Windows 2000 (after everybody). And while at the web page you want to describe happens to be sitting on an NT Server? You're just going on how to suck it in and learn to break into NT machines, etc.

My least favorite thing about Windows is its poor socket capabilities. This means less open ports when you scan, which means less chances to play with, which means less points-of-entry. And if you search the exploit archives for NT stuff, you won't find much besides Dos sploits and stuff that needs to be executed locally on the NT LAN. All of a sudden your ocean of UNIX hacking techniques is about 10 percent applicable in the NT world. For starters, NT is an XOS, meaning a client-server environment. If you refer to a UNIX machine and execute a command, your request is processed on that machine, using its resources. If you connect to a Windows box and issue a command, the process is handled onto your computer, using your resources, and if it is a command that requires system information, it gives you info on your own computer. How do you execute commands to be run on your larger Windows machine? Suddenly these NT machines seem unbreakable. Not true.

How to hack an NT box all depends on what exactly your goal is. With UNIX, you're usually looking to get a root shell. As I'm sure you know, you can have a "Shell" on a remote NT box. NT is set up to share resources - files, applications,

printers, you get the idea. Meaning each workstation in its network exists as an entity in itself (vs dumb terminals logging into a large UNIX machine), and if it needs something from a server, you have to connect to it via NetBIOS. In Windows Networking, this means copying a logical network drive to a particular share.

Microsoft Networking

Shares. The heart of Windows networks. A share is just like a volume in Network - a directory setup to be accessed from a localized person's workstation inside the network's internetwork. Shares can either use share-level security, or user-level security.

Share level security means that the resource is protected by a single password, and anyone knowing that password can access the share. User level security is more UNIX-like, in that your permissions to a particular share depend on who you are logged in as. Now, this entire article refers to breaking that NT over the Internet, so logging in isn't feasible (though it is possible, see the "The Basics" below). If port 139 is open though (which it almost always is on an NT Server, and otherwise is on NT Workstation and Windows 9x), you can use Client for Microsoft Networks to connect to it. First make sure you have the client installed - go to Control Panel, then Network (you should also have NetBIOS, NetDDE, and TCP/IP installed). You will use the Net command to do this. Once you find your target NT machine and see an open port 139, your first step is to find out if there are any open shares. To find out, type this at a command prompt:

```
C:\>net view /ip:address
```

If you get no error message, it probably means that the computer you attempted to connect to had no open shares (or possibly that you don't have Windows Networking set up correctly on your machine, so check). If shares exist, you will see a list of them, including the share name, share type (disk, printer, etc.) and any comments the system wanted to mention. For more NetBIOS info-

motion on this machine, use the "chroot" command. If you see no open shares, there is still a possibility of hidden shares. Common hidden share names include:

- * (share)
- *SMB (server)
- *SAMBSERVER (share)
- *ADMIN (remote administration - can you say "root share"?)

To connect to any share, visible or hidden, you again use the Net command, in the following fashion:

Client use: `\\ip address\share name\`

To check for hidden shares, just try to connect to the names given above, or any others you can think of. If it exists, you'll connect. Once you receive the "The command was completed successfully" message, you are connected to the NT machine. Logical drive E: (or whatever drive letter you assigned) now becomes that share - you've mapped a network drive to it. This is similar to mounting remote filesystems in UNIX. So to see what you've connected to, change to drive E: and issue a "dir". You can now use any DOS commands to explore the share. The share, however, may be password protected. You may be prompted for a password right after issuing a Net Use, or after connecting when trying to traverse the filesystem. Typical backdoor methods can be used to defeat this. If, however, you get a message that you do not have privileges to that resource (or "access denied"), this means that the share is user-level, and since you can't really log on, you won't be able to access the share.

Once in, you will have either "read" permissions, meaning you can look at or execute (launch into your RAM) a file, or "read/write," meaning you can edit any file as well. To check, make a file and delete it. Create a directory and delete it.

Utilities

Here I will outline a few useful tools you should have when planning to break into an NT box. Legion is a Windows shareserver - it will automatically doing Net View commands on an entire sub-net (or multiple subnets). Launch it, sit back, and watch as it combs networks for open shares. If you prefer doing everything from UNIX, Wellback

Gold will do the same thing.

NAT (Network Auditing Tool) is a great program by the makers of Legion. It will attempt to connect to any open share you specify, attacking with passwords you provide in a wellfile. It also looks for hidden shares.

LophCrack is an NT password cracker. Getting NT passwords can be tricky - see the "Password Cracking" section.

And finally, AGENT SMITH. This program will essentially make force the hell out of your target, and log all responses in a file of your choice. Offenses that will be your only way to break through password protection on your share.

All four of these programs are available at The CyberUnderground (www.users.wu.ch.at/~starc-1999/2k/).

Password Cracking

All the hashes reside in the SAM (Security Account Manager) hive of the registry. To get the hive, you have a few options. If you're running Windows NT yourself, you can install LophCrack and attempt a Remote Registry Dump. If this option you're targeting allows for registry sharing, you will have the entire SAM hive imported into LOPR. Most often, though, this doesn't work. You could always do a core dump, convert the dumped data into ASCII, and pick out the hashes. But that can be time-consuming and messy (not to mention you'd have to upload software to perform a core dump). So you may have to resort to getting a core dump. So you may have to resort to getting the SAM hive stored on the hard disk of the machine (or any other Domain Controller on the network). The file you are looking for is "sam_".

The problem is that NT hides this file from users and essentially disables it from being accessed while NT is running. To get it, you'll have to boot the computer to an alternate OS (Linux, DOS, etc.) and get it that way. Another problem is that there is an NTFS partition, DOS, of course, uses FAT, and Linux uses EXT2, so you'll need a program to access the alpha partition (such as NTFS-DOSS). Installing another OS onto the remote machine will most likely be tough, as will forcing it to reboot, though programs exist that will do it. If anything else, try DosSng it to force it into network-

ing. So before you devise a wild plan to put DOS 6.22 and disassembler onto your target, and charge the boot kit, look around for backup copies of sam_... If it's not unheard of to find an old copy in something like "C:\winnt\poc\repair".

Also, if you prefer to crack passwords with UNIX, you'll have to convert the hive to a UNIX password file (but and paste the hashes).

FTP

The closest thing a hacker can do to sneaking in to an NT machine is connecting via FTP. The problem is that just because an account exists on the machine doesn't mean that it's allowed FTP access. So get the password hashes, crack them, and try to FTP into them all.

If the system thinks he's smart, he'll rename the Administrator (root) account. Either way, if you crack the password and you'll have FTP access with administrative privileges. You can now, delete web pages, get more passwords for other computers on the network, upload trojans, etc. Here's a trick:

copy the Event Viewer program to a shared directory, then Net View to it. You now have access to all keys on that machine.

Elite Trojans

Okay, let's pretend you have FTP access. The problem is, you can't execute programs or do anything else that's any fun. The answer - a Trojan. Get one that allows you complete filesystem access, allows for remote control of your target computer, and lets you open and kill active windows (NetPiss does all of this). But how do you run the Trojan once you upload it? You have a few options. Put it in the server's web page or store it in a file, and force it into the browser (possibly with a DOS attack, or just wait until someone reboots it. Another ploy, if the machine is a web server, upload the Trojan into a CGI directory (cgi-bin, cgi-bin, etc.). Then request the Trojan with a browser. If you state the path correctly, the web service will square (launch) the Trojan for you. Now just connect with your client, and you have complete control of the computer. Here's another scenario. Let's say you want to hack their web page. You have a few passwords, but the FTP service has been disabled. Well, if the web pages reside in a share (luckily) you can use MS

DOS EDIT to edit the default.htm or index.html file. Otherwise, you can always use HTTP to upload your file. Netscape and Internet Explorer both have clients to upload HTML files via HTTP - just use the user names and passwords you cracked.

Network sniffers can also be put into place. LophCrack comes with SMB Packet Capture, a decent sniffer. Search the net for other NT, Ethernut, or Trojan Ring sniffers. The point here is that if there is even one Windows 9x machine on the network, it sends cleartext (ASCII) passwords when authenticating, so a sniffer will always catch them.

There are also a huge variety of exploits for NT. The trick is wading through the DoS sploits and the flood ones. One narrow exploit, h1ackase.fis.lak.ac.in/~www/eve/eve.com/ doesn't really will upload any file (in your case, a Trojan) right through US's JFTR daemon. US ships with most NT Server packages, and comes with one of the earlier service packs. Even if the machine in question isn't a web server, it probably has US installed. One popular web server for NT is WebSite Pro, which has a vulnerability in its packaged CGI executables. Specifically, updatex.exe allows you to upload files to the computer - without password.

Now, when I said that you can't log on to an NT Server over the Internet, that was partially wrong. The only way to log into an NT network is to be a member of the domain. So you'll have to make your computer a member. How? Hack the PDC (Primary Domain Controller) or a BDC (Backup Domain Controller). Now, chances are if you've gotten far enough "in" to make yourself a member of the domain, you probably have all the permissions you could ever want. If not, launch the program called User Manager for Domains and add yourself, with your IP address.

In Summary

All in all, NT is a very different environment from UNIX or VMS. It also demands very different skills and techniques to hack. Doing so is just as rewarding as breaking into a SGARC service, and will provide you with all kinds of new, cool useful information. This is, after all, why we do what we do.

COUNTERMEASURES REVISITED

by Seuss

The most prevalent information on telephone counter-surveillance has been floating around for at least 15 years. Shoot the pair at the demark and measure resistance. Open the pair at the demark and measure the resistance. Abnormally high or low resistances indicate a phone tap. Forrest Ranger wrote about it in text files, M.L. Shannon and Paul Brookes included it in their books, and an untold number of phone phreaks have employed this technique. Despite its popularity, the technique has its shortcomings: it fails to detect devices installed in the outside plant, split pairs are undetected, and transmitters built into the phone are not tested for:

What you'll need:

- 1) Access to a local DATU.
- 2) A multimeter with high impedance scales (several meters that measure into the giga-ohm range are available) and a capacitor meter.
- 3) An induction probe.
- 4) A frequency counter or near field detector.
- 5) Something that makes continuous noise, like a tape player.
- 6) Ancillary tools (screwdrivers, a can wrench, etc.).

First, call the phone company to ask about your line's readiness for ISDN or DSL. High-speed services demand a line with no loading coils and a minimum amount (less than 2500 ft.) of bridged taps. Either will cause inaccurate measurements.

Begin by taking the phone off hook and running on your tape player (to turn on voice activated transmitters). Now give your phone a pass with your near field detector or frequency counter. Transmitters in the phone will hopefully be picked up at this point. (Note: some speakerphones are

prone to normal RF leakage.) Next, measure the capacitance of the line, dividing the value by .83 (the average mutual capacitance for a mile of phone line). This is roughly the length of your line. Write it down, you'll need it later. Remember that .83 is an average value, which can range from .76 to .90 depending on line conditions. To get a more accurate measurement you can fine tune your figure by comparing capacitance measurements on a section of plant cable of a known length, or use a TDR.

Disconnect all the phones from the line you want to test. Go to your demark and disconnect your pair on the customer access side. Short the pair and measure the resistance of the line from the farthest jack with the meter set to its lowest scale. Reverse the polarity of the meter and measure again. If either resistance is more than a few ohms, it would suggest a series device wired into the line somewhere on your property. Now return to your demark, open the pair, and cover the ends in electrical tape. Measure the resistance of the pair with the meter set to its highest scale. A less than infinite resistance would suggest a device wired in parallel to your line.

Testing in the outside plant should be conducted from the teleo side of the demark point in order to avoid measurement error from the station protector circuit. Call the DATU and short the pair, then measure the resistance of the line. Compare the value you got for your line's length with the figures below:

Note: SESS switches incorporate a "test bus" that will add about 500 ohms to the shorted pair.

These figures will vary with temperature, splices, wet sections, and a host of other reasons. Large deviations could (but

don't necessarily) suggest something wired in series with the line. This measurement may be supplemented by either a resistance to ground measurement of both sides of the pair and a capacitance balance test or a voltage measurement. A resistive imbalance of more than 10 ohms or a noticeable drop in off-hook voltage calls for further inspection.

To test for parallel devices in the outside plant, open the line with the DATU and re-

Wire Gauge	Looped Pair	Unlooped Pair
26g	833	833
24g	639	519
22g	332	322
18g	174	160

peat the parallel test as described above.

Testing for telephone hook-switch bypasses requires an induction probe. Reconnect your pair at the demark and plug all your phones back in. Turn your tape player back on and put it near your phone. Now probe all the lines coming through your

demark point. If you hear the tape player through the probe, your phone's hook-switch has been compromised.

Checking for splits on your line requires an induction probe and access to a plant wiring cabinet. Add a tone to either end of your pair with the DATU. Probe all the conductors in the binder pair, listening for the trace tone. If you hear the tone on more than two leads (the ones connected to the line you're checking) your line has been split. This can be either a bad splicing job, or someone intentionally hooking a pair up to your line.

If any of the above tests suggests that there is something on your line, remember that there are plenty of innocent sensors a test could turn up positive, so a detailed physical search is in order. Disassembling the phone in question and comparing the inards to a schematic would be a wise idea at this point. Take the covers off your phone jacks, dig around in your demark point, peek inside wiring cabinets if you can, and so on. There are some places that are likely out of your reach, but keep in mind that they're likely out of reach to many wiretappers as well.

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WWW.2600.COM

DATAUS - The Tool of the New Age Phreak

by MMX

Most of this article is adapted/condensed from the administration manual. But be honest with yourself: before embarking on the "Mastering" this article, when was the last time you called Harris and Set 0 (out of them)?

Harris? Don't think so, huh?

The Harris Direct Access Test Unit Remote Terminal connects the field technician's testing capabilities of subscriber lines through the non-voicemail environment of a pair gain system. Typical pair gain systems include SLC 96, SLC Series 5, etc. The system has three major components: the Direct Access Test Unit (DATU), the Pair Gain Applique II (PGA II), and the manually initiated Metallic Access Unit (MAU).

Now, into my part of the article.

switch to the remotely located pair gain terminal. The enclosure is inserted inside the cabinet housing the pair gain equipment. One DATU-RT and one PGA II, working together in the same switch, may serve a maximum of 212 separate MAU locations. The RT system provides the technicians the ability to perform a series of line preparation functions to subscriber lines. These functions are established and maintained by supervised personnel.

I won't be speaking about administrator mode for these reasons:

1) If you accidentally saw something up the DATU, probably won't work.

2) You don't own any DATU that you're using, so do you have permission, and therefore you're committing a crime by accessing one.

3) I think the RT talk about things like changing the NIT Busy Test, you will do something roughly. Here's an example:

However, I will consider releasing an article on DATU Administrator functions in the future.

To access the DATU, dial the telephone number assigned to it. Upon connection, you will hear a 4/0Hz "Bell tone" indicating the DATU has answered and is ready for general entry. Dial the password of the DATU, which is defaulted for technicians at 1111. If the first digit of the password is not entered within seven seconds after the DATU answers, it will release the line.

Upon entering a successful password, subscriber DATU dial tone is heard, prompting you to dial the seven digit subscriber line number (in other words, the number you want to test). Occasionally, something will be wrong or the CO for DATU will say "Error, bad no test tone" and a pulsating 4/0Hz tone will be heard. If you ever get this, then you probably are accessing a DATU either at a CO where someone is asleep at their desk or in a remote office. I have yet to get this error at a heavily manned CO. You also can't be able to run tests if you get this message.

After the DATU prompts you to dial the subscriber line number, a few things can happen. If you dialed a

number not served by the DATU, you will get the message: "INVALID PREFIX" and another DATU dial tone. Upon dialing a correct number, if the line is idle, the DATU success the line and you will hear "Connected to add dddd OK Audio Monitor." You can then select a line enabling function anyone after the voice message begins, including the ten seconds of audio monitor before the menu is presented. If the line is busy, the DATU will say "Connected to add dddd Busy line Audio Monitor." The busy line will then be monitored for 10 seconds. It should be said at this point that all audio traffic is unintelligible. After the ten seconds of audio monitoring, the DATU will send two 61/0Hz tones to request permission to indicate the end of the monitoring period. Features that would be desirable to recall in progress are not available if the DATU-RT detects a busy line condition. These functions include "High-Level Tone," "Open Subscriber Line," and "Short Subscriber Line."

There are theories about conflicting the DATU by changing its busy test in administrator mode. Theoretically, if you change the busy test on the NIT, you could spy upon your ex-girlfriend's line while she was on the net cyberfucking by now boyfriend.

2 - Audio Monitor Provides a way to verify that the busy test was correct. Traffic on the line is audible but unintelligible. Audio Monitor is automatically disabled at regular intervals to insure that the DATU RT is able to detect DTMF tones in the event an exceptionally strong audio signal is present. This occurs at regular six-second intervals and is of approximately two seconds duration.

3 - Open to Ground The "Short to Ground" function is used to connect the Tip, Ring, or both leads to ground potential. If only a single lead (Tip or Ring) is selected, the opposite lead is terminated.

4 - High Level Tone This function places 5770v (high-level 6-22 dBm) interruptive tone bursts on the Tip lead. Ring lead, or both. If a single lead is selected, the opposite lead is grounded. This function is typically used for the purpose of conductors or pair identification.

5 - Low Level Tone This function places 5770v low-level (12 dBm) interruptive tone bursts on both the Tip and Ring leads. Because the tone signal is low-level, use of this function does not disrupt traffic on busy lines. Tone bursts can be heard only on a telephone instrument connected between Tip or Ring and Ground. This function is typically used for the purpose of conductor or pair identification on a busy subscriber line.

6 - Open Subscriber Line The "Open Subscriber Line" function removes battery and ground potentials from the subscriber's Tip and Ring leads.

7 - Short Subscriber Line The "Short Subscriber Line" function provides an electrical short across the subscriber's Tip and Ring leads.

8 - Hold Answer Key The "Hold Answer Key" function provides a means by which a line condition as sensed by the DATU-RT is maintained for a specified time interval after disconnecting from the DATU-RT. The duration of the Hold Answer Key is entered through the telephone keypad and is specified in minutes. Any interval may be entered; however, the DATU-RT will not maintain a line condition longer than the auto-terminating interval. The programming function is automatically canceled by the DATU-RT when the specified time interval elapses. If of a shorter duration, the access

Pair Gain Applique II

The PGA II is a printed circuit card that extends the DATU-RT capabilities into the pair gain environment and serves as the interface between the DATU-RT and the switch's Pair Gain Test Controller (PGTC). It determines the status of the PGTC and its metallic IC card provides carrier channel signaling and transmits/pulses carrier channel signaling and transmits/pulses test results, and controls the DATU-RT's access to the MAU. The card is installed in the MFT frame and connected to the switch.

Metallic Access Unit

The MAU provides the standard DATU-RT line conditioning functions as directed by the DATU-RT. It eliminates the need for multiple bypass pairs from the

number not served by the DATU, you will get the message: "INVALID PREFIX" and another DATU dial tone. Upon dialing a correct number, if the line is idle, the DATU success the line and you will hear "Connected to add dddd OK Audio Monitor." You can then select a line enabling function anyone after the voice message begins, including the ten seconds of audio monitor before the menu is presented. If the line is busy, the DATU will say "Connected to add dddd Busy line Audio Monitor." The busy line will then be monitored for 10 seconds. It should be said at this point that all audio traffic is unintelligible. After the ten seconds of audio monitoring, the DATU will send two 61/0Hz tones to request permission to indicate the end of the monitoring period. Features that would be desirable to recall in progress are not available if the DATU-RT detects a busy line condition. These functions include "High-Level Tone," "Open Subscriber Line," and "Short Subscriber Line."

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Functions of the DATU

Anyway, after learning the status of the line, the functions are presented in a menu format. Main Menu functions are shown as follows:

Most of these functions aren't so cool as coding as they sound, *if you're on track*. A quick description of each of the functions:

1 - Answer Key Make Menu

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Transmit interval has elapsed (At this point, it should be noted that upon setting up a DATU, the administrator determines the Access Interval Interval, which is basically a timer to say "goodbye" once you've hung up too long on the DATU. By default, the Access Interval is 30 minutes. Also, after using "r" the DATU will prompt you with either "DIAL NUMBER OR MINUTES" or "DIAL 2 DIGITS FOR NUMBER OR MINUTES" with respect to single digit entries. "0" is interpreted as 10 minutes. Also, after you use the Access Interval, the DATU will expect you to be tested and will say "PLEASE HANG UP".

2 - Also Subscriber Line: This function releases the currently held subscriber line so that another subscriber line may be accessed.

Before moving on, there is one other function that is worth mentioning.

9 - Permanent Signal Release: The "Permanent Signal Release" function causes the removal of Busy and Ground potentials from a permanent signal line and Ground potentials from a permanent signal line used by a step-by-step switch. This function is typically used to clear a busy condition resulting from a line fault so that another line tests may be performed. After pressing "9" on the keypad, the DATU responds with "PERMANENT SIGNAL RELEASE". After entering the required sequence of operations, the DATU uses the test for line to determine whether the busy condition has been cleared. The result of this test is then announced as either "OK" if the line is idle or "BUSY LINE" if the line is busy. This function is not available unless specifically enabled by the DATU administrator. Unless enabled, any attempt to use this function results in the message "ERROR - PERMANENT SIGNAL RELEASE DISABLED". Permanent Signal Release will function only on a line that the DATU has identified as busy. An attempt to use this function on an idle line results in the message "ERROR - IDLE LINE".

Single Line Access

You may be seeing at this point "Yes, MMX, how do you find the measure of the distance equals a regular polygon?" If you're saying this, you probably are on a large number of prescription drugs. Moving right along, "I've found a way to find yourself 'weight' for the first time by calling the DATU" while you will realize that you can't test that line, since you're using it to call the

DATU. An interesting problem: The DATU is prepared to always to handle your problem. By dialing "r" before the subscriber line number, the DATU will wait until you hang up, and then test the line. Pretty simple, eh? Oh yes, and for those who wonder why there is no "wait to monitor" during single line access after you select the last function, the DATU will ask you for the "number of minutes." The testing doesn't start until one minute after you hang up.

Sadly, the social Administrator's Guide won't give you any use of each feature of the DATU more than three times by the end of the September 1990 product.

Conditioning of Carrier System Lines

Note: Unless you have a fairly basic grasp of the way your system upgrade, I would suggest skipping this section.

After dialing the subscriber line number if the line is on a pair gain system, the DATU announces "MC-DESSANT" and reports the subscriber telephone number entered. The DATU announces the state of the subscriber line with one of the following voice messages:

"PAIR GAIN LINE PROCESSING" - if the line is in a test or pair gain line.

"BUSY LINE" - if the line is busy.

If the selected line is busy, the DATU reports the status whether the line is served by a carrier system. It is therefore, not possible for the DATU to activate the Pair Gain Test Controller (PGTC) and immediately connect the DC Bypass pair at the RT to the subscriber line. Without this enable connection, the DATU cannot condition the line. In this case, only the "Audio Monitor" and "Local level Tone" functions are available to the user. Because its signal is longitudinal, the Local Level Tone function is generally not effective when used on a busy carrier system line. If the line is idle, the DATU attempts to activate the Pair Gain Test Controller (PGTC). The PGTC, in turn, tests the carrier channel and communicates the results to the DATU. These operations require additional time and may result in a delay of up to 30 seconds. After successfully completing these steps, the RT system identifies the carrier channel as follows:

"SINGLE-BYPASS LINE" - if a single-pair channel and will be selected.

"MULTI-BYPASS LINE" - if a multi-pair channel and selected.

"CONNECTION" - if a carrier channel call is selected. If the DATU is unable to activate the PGTC, or the PGTC encounters a problem in testing the carrier channel, the DATU issues one of the following voice messages:

"BYPASS PAIR BUSY OR PGTC FAILURE" - the DC Bypass pair is in use, all PGTC test results are key or the PGTC control computer carrier system operations.

"PAIR GAIN SYSTEM ALARM" - the carrier system serving the selected line is in a major alarm condition.

"CHANNEL NOT AVAILABLE" - channel test results were not provided by the PGTC.

"BAD CHANNEL" - channel test failed - possible bad channel line.

After a failure in carrier channel tests or in activating the PGTC, the DATU remains in Menu Item Selection mode so that the central office personnel may more easily determine the problem. If one of the above voice messages is heard, however, the DATU is probably not connected to the line to be tested. Therefore, the conditioning operations will be accepted and continued by the DATU but the condition may not necessarily exist on the line anytime after one of the above error messages is heard.

Remote Terminal (RT) Access

After the DATU has successfully accessed the subscriber line and acquired channel test results, the DATU will say "PLEASE ENTER PAIR GAIN SYSTEM ID DIAL STAR TO END". From the Pair Gain System ID using telephone keypad. To establish line from Central Office using the telephone enter "0". Use the following section (Administrative Pair Gain System ID Entry) if Pair Gain System ID includes alphabetic or pictographic characters. If selected, the bypass pair must be in place between the test channel of the DATU at the Central Office and the RT.

Alphanumeric Pair Gain System ID Entry

This section describes the method by which alphabetical letters may be entered using a standard 12-key RTX telephone keypad.

a. Press any leading numbers that are part of the Pair Gain System ID in the central number.

b. Enter "0". This key sequence allows the RT system to be in a special mode in which alpha and numeric characters are entered as a series of two-digit key codes.

c. The first key depression simply identifies the key on which the desired character is stamped or printed. Press the key on which the character appears. For example, if character is "A", "8", or "C", press the "2" key.

d. The second key depression identifies a single character from the group (specifically three letters) selected with the first keypress. The character is identified by its position on the key. To select the first, press "1". If the desired letter is the second of the three, press "2". Press "3" if the desired letter is the third of the group.

e. Repeat steps c and d for each alpha character in the Pair Gain System ID. When the last character has been entered, enter "0" just as previously done in step b. This releases the "numeric entry" mode. Special two-key sequences are assigned to the letters "V", "Z", and certain punctuation characters. Table 1 below outlines these.

f. Enter any leading numbers that are part of the Pair Gain System ID.

g. Any combination of letters and numbers may be entered in this manner. Repeat the appropriate steps as necessary.

h. Enter a single star (*) to complete the Pair Gain System ID entry.

i. After the Pair Gain System ID has been successfully entered, the DATU will say "PLEASE ENTER PAIR NUMBER, DIAL STAR TO END". From the pair number for the subscriber line using the telephone keypad.

j. The DATU provides verification of the Pair Gain System ID entry with a voice message. If a valid ID was entered, the DATU announces "ACCESS" followed by the ID previously entered. If the Pair Gain System ID is

overload or if the bypass gear was selected, the DATU announces "LUBE BYPASS PAIR."

Two-Key Sequence: Non-Numeric Keypad	2nd Key
1 Key	1
	(space)
2	A
3	D
4	G
5	J
6	M
7	P
8	T
9	W
	2
	3
	4
	5
	6
	7
	8
	9
	0
	*
	#

Physical Dimensions
 Length: 8.0 inches
 Width: 7.5 inches
 Height: 2.0 inches
 Weight: 1.7 pounds

Battery Input Requirement (measured with respect to CO ground)
 * 46 to 54 volts DC
 * 600 mA maximum
 * 2 volts peak-to-peak noise maximum from CO

Some Words About Male Voiced DATUs

At this point, I should mention if just something about those DATUs with so irritatingly sexy male voices. These are an enormous rarity at the state of writing. In fact, in a list of over 200 DATUs that I have, I only know of one that still works. Upon speaking to the man at Horst who actually developed the DATU, he said, "It's so old, you would know that of it." However, since it is still in use, I will soon be writing some words about it. Please note that if you find a DATU in use, I would love to get a recording of the administrator menu for it.

Last Remarks (for this issue)

To begin my critique, I would like to say to anyone who thinks "hey, cool, I'll DATU so AOL access better and make it best," is not only lame and stupid, but also factually wrong. The NTT can't access band lines and you use *stateremedy* set of 80 satellite alarm & your CO by doing so. OO yes, and the "LO SLIPPER" I PD of the DATU will go on when you try. In the future, I will go into the wild and crazy world of the marketplace for scan scheduled offices. Following that, well, I'll see what I can dig up for you. Perhaps something about (like I say), Administrator mode?

Physical and Electrical Specifications

(directly copied from administrator manual)

Access Line Interface (Ground Start)

1. Tip and Ring Parameters in *Off Hook Mode*
- * Max FCC Part 68 requirements
- * Resistance is 120 - 280 ohms at 20 to 80 mA
- * Minimum DC current required is 20 mA
- * Typical AC impedance at 1 kHz is 660 ohms
2. Tip and Ring Parameters in *On Hook Mode*
- * Max FCC Part 68 requirements
- * Minimum ring voltage level is 65 volts AC rms
- * Uninterrupted prepulse ring duration is 300 us
- * Ringing overshoot is 0.5B
3. Secondary Dial Tone
- * Secondary dial tone is provided upon ring tip/preswired entry, and over subscriber line activation
- * Dial tone is silenced when a digit is dialed or when the DATU RT times out
- * Dial tone level is -18 dBm +/-3 dBm
- * Dial tone frequency is 440 Hz +/-8 Hz
- * Harmonic distortion is less than 10%
4. DTMF Dial Datasheet
- * Each incoming dial-tone signal is unattended and one of the 12 character sets shown in Table 2
- * Frequency deviations of up to +/-2.5% are accepted and all deviations greater than +/-3.5% are rejected
- * DTMF tones greater than 30 ms are accepted
- * Threshold timing is greater than 40 ms and less than seven seconds are accepted
- * Signal strength per frequency of 30 to 0 dBm are

accepted

5. Voice Message Output
- * Average voice level is -13 dBm
- * Voice frequency range is 200 to 3400 Hz
- No Test Thru Interface
1. Tip and Ring Parameters in *Idle Mode*
- * Resistance is greater than 2000 ohms
2. Tip and Ring Parameters in *Active Mode*
- * Resistance is 100 to 180 ohms at 30 - 90 mA
- * Maximum DC current is 90 mA
- * Typical AC impedance at 1 kHz is 660 ohms
3. MFC Output Parameters
- * Each outgoing dial-tone sinusoidal signal is translated from one of the 12 character sets shown in Table 2
- * Frequency deviation is less than +/-2%
- * Signal strength per frequency is 5 to -18 dBm
- * Digit duration is 70 ms
- * Interdigit pause is 70 ms
4. Dial Pulse Addressing Parameters
- * Precursor break is 60%
- * Repetition rate is 10 pulses per second
- * Interdigit time is 1000 ms
5. Slow Current Parameters
- * Low current mode is 7 to 10 mA into 120 ohm sleeve
- * High current mode is 50 to 70 mA into 120 ohm sleeve
- * Maximum external sleeve loop resistance is 700 ohms

Test Function Parameters

1. Open test is greater than 20M ohms
2. Tip and ring shorted is less than 2 ohms
3. Tone Test
- * Frequency is 577 Hz
- * Frequency error is less than +/-3%

4. Low Level Tone Test
- * Typical signal strength, measured tip-to-ground or ring-to-ground:
- * At the CO is -12 dBm +/-3 dBm
- * At 18,000 volts feet from the CO is -19 dBm
5. Ring Level Tone Test (Differentiation)
- * Tip to ring signal strength is +22 dBm +/-1 dBm
- * Tip-to-ground or ring-to-ground signal strength is +/-7 dBm +/-3 dBm

Anonymous That You Are Too Stupid To Know DATU - Direct Access Test Chart

HILARY - Queue!
 PCA - Par-Gain Algorithm
 RGTU - Put Gain Test Connector
 RT - Remote Terminal

DTMF and DTMF Datasheet	Frequency (Hz)	Code	Low (dBm)	High (dBm)
1	544	00	197	1203
2	584	01	197	1154
3	624	02	197	1105
4	664	03	197	1056
5	704	04	197	1007
6	744	05	197	958
7	784	06	197	909
8	824	07	197	860
9	864	08	197	811
0	904	09	197	762
*	944	10	197	713
#	984	11	197	664

THIS JUST IN
 THE 2600 BLUE BOX SHIRTS ARE BACK, only this time they really have a blue colored box on the front! (We outdo ourselves sometimes!) To order, send \$18 for one shirt, \$30 for two, to:
 2600 Shirts, PO Box 752
 Middle Island, NY 11953

by Maverick (1/12)

Well, as you might guess, I used to work for Staples. The Office Superstore. Used to, that is, until they fired me over something which was, even for them, ridiculous. So, here I am, spilling my guts about the technology used in their stores.

Phones

The stores use a standard Meridian phone system with six lines; the first three outgoing local and the last three special lines. These special lines are only good for 800 calls and calls to other stores and cannot be used for regular local and/or long distance calls.

To dial another store, either hit one of the regular line buttons and dial the regular phone number, or, from any of the lines, dial the store's 700 number. Each store has two 700 numbers, one for voice and the other for fax. The voice lines are always 1-700-444-XXXX, where XXXX is the 4-digit store number, padded with initial zeros, if needed. The fax lines are always 1-700-555-XXXX. As far as I know, these 700 numbers are only good when calling from inside a store.

Sometimes, the outgoing lines require a password. This is not too common, but is easily circumvented. By punching F4/PAUSE from any phone, you can access the phone system's configuration menus. It does ask for a login and password but the defaults are invariably 266244 ("GOMFIE"). The only phone line in the stores that will work in a power outage is the one the fax machine at the copy center is plugged into.

The phones also feature, in the lower right corner, a "page" button. "May I have your attention, Staples shoppers..."

Ribbon Computer

Located next to the selection of paper and printer ribbons in every Staples store is an old 386 computer that is constantly running a program which is supposed to assist customers in finding the proper ribbon. This standalone system has no security whatsoever. Simply pressing the spacebar to kick off the screen saver and hitting Ctrl-Break is enough to drop you to a DOS prompt. (Rebooting and breaking out of the autoexec, but is also trivially possible.) Unfortunately, once you are at a DOS prompt, there is really nothing much to do, as all the ribbon-finder files are in a special format. One thing that is possible is changing the screen saver image. It's located at C:\Vhlp\ndr\scrnsvr2.exe, and is a standard 640x480 exe file.

Proteva

Staples sells custom-built Proteva computers. These are disguised and sold through a stand-alone system at one end of the computer wall. The "lock" simply allows customers to look at specs, select various system packages and options, and print out a price quote. This system runs Windows NT, and is susceptible to the old DOS trick. (Booting from a floppy and running the shareware program ntfsdos allows read-only access to the hard drive.) Copying the sam file and running it through L0phtCrack reveals the different users and passwords. The Administrator password is at least somewhat secure - a full two weeks running L0phtCrack didn't reveal it. The other logins/passwords are:

"Guest" - This account is disabled.
 "Customer/Name" - This account is used for regular customer browsing.
 "Admin" - STAPLES1234 - This one automatically leads new features/pricing from a diskette.
 "MS" - STAPLES1234 - This allows you to change the current pricing and make a update diskette which can be loaded on the same or other machine using account "update".

Compaq BTO

Staples also sells Compaq Built-To-Order computers. These are viewed and ordered from a German computer, which is usually placed right next to the Proteva. Unlike the Proteva, however, the Compaq "Kiosk" has a power-up BIOS password and is networked into Staples' corporate WAN. This is necessary because the kiosk is only used as a viewer for Compaq's web site where the specs, option lists, and ordering forms really live. The site is available at www.compaq.com/retail. Login and passwords are "STAPXXXX", where XXXX is the 4-digit store code, padded with initial 0's as needed. There is very little security on this computer. Simply pressing Ctrl-Alt-Del, and "End Task" -ing the Kiosk software (really Microsoft Internet Explorer run full-screen without the toolbars, etc.) drops you directly to Windows. A new browser can be fired up and, whoosh, you can surf the net. Or you can go into Network Neighborhood and look around a little. What else is on the local network? Read on...

Office Computers

Years ago, all each Staples store had in

the way of computers was an AS400 terminal. This ran over a 9600 baud line to the corporate headquarters and was used for inventory control, printing price signs, entering damages, and many other tasks. About two years ago, Staples installed Frame Relay T1s to all its stores and upgraded to three actual computers in each store. The Sales Manager's office received a computer, as did the General Manager's. The third was set up as a training computer for employee use, usually in the larger of the two offices. These were generally 286 to 333MHz Pentiums with either 32 or 64 megs of memory. All ran Win NT 4.0 SP3.

The computer in the Sales Manager's office was usually kept running a terminal program that simulated the AS400 terminal that had been removed. The General Manager's computer was used for making employee schedules and keeping track of employee punches at the timeclock. It was also used every Sunday to do employees' payroll. The training computer was loaded with various certification and educational software and kept track of which employees had passed which "courses" at Staples. All three computers had browsers and could surf Staples intranet and the Internet.

Using ntfsdos and L0phtCrack on those machines revealed the following accounts:
 Administrator: STAPLES1234 - Thought they'd make it more secure using a period.
 Root.
 Guest - Disabled.
 Installing/Installing - Used, obviously, for maintenance and installation.
 StaplesService/ServiceSupport - Yes, the login backwards.
 Associate/SELF - What we were supposed to do.
 Manager/CARE - What the managers did it.

Sales/SPIS - Our stock symbol.
 Admin/PASSWORD - Yes, this account actually exists. Someone must have taken the instructions a little too literally when asked to type in their userid and password.

The Gun

With the arrival of the office computers, Staples stores also received a remote terminal hooked up into the system. This "gun" has a small lcd screen, an alphanumeric keypad and a scanning laser. Almost any terminal you can do from the AS400 terminal is available from the gun, including price checks, slow printing, and inventory functions.

Security Personnel

Most Staples stores have a security guard at the front door. He/it's usually a (he) is the one who asks you to leave your bag with him when you enter the store. He's basically powerless to do anything, though. If he/her's hard enough, and backed by a store manager, he can refuse you entry to the store if you refuse to leave your bags with him. But most of the time, he'll let you in with a "Y'll have to check your bag when you leave." Or can't make you.

Security Procedures

Staples policy is that a manager can only stop a suspected shoplifter at the door if that manager has kept the suspect in sight at all times from the moment they take something and hide it to the moment they try to walk out the door. This is very difficult, if not impossible, especially if the manager is following the suspect - the manager has to run past the suspect to get to the door first in order to stop him, but can't take his eyes off him. This rule is often ignored, however, as managers sometimes take the word of the security guard, or even the associates as to what has happened. Many times, nothing is done to the suspect, as there is no proof and inadequate surveillance.

Staples has a special code word to indicate a security problem. This code is "Fred Allen", who used to be the head of Loss Prevention for Staples many years ago. By simply saying "Fred Allen to aisle 4," any associate can indicate that there is a suspect person in that aisle. All other associates are supposed to drop what they are doing and converge on that location en masse in, basically, an attempt to scare the suspect into leaving.

Security Devices

Certain Staples stores, usually those with the highest losses, have gotten a security system installed. It consists of a set of "gates" set on either side of the entrance and exit doors, and rolls of stickers which are placed on high-ticket items. The stickers interrupt the weak magnetic field put out by the gates which causes the gates to beep. This can obviously be defeated easily by removing the stickers from the merchandise. Some stores also have cameras, usually aimed at the main entrance, and possibly one in the money room.

Well, that's enough for now. When I dig up some more information, I'll be sure to write another article. Until then - happy hacking!

I OWN YOUR CAR!

by Stefan

I work the night shift for a major auto company near the money city in Michigan. One night all the bosses went home early and left us there alone. We had learned earlier that day (on the news) that a bunch of us were being laid off and the rest were being transferred or strong-armed into quitting. The executives didn't even have the decency to tell us first, or in person. We had to hear it on TV. So needless to say, no one was in a good mood.

Where I work there is no getting out. If you quit you have to take 30 days (unemployment) before you can work at another related facility. The software we use is only used by other related facilities. Still they wouldn't release us from our contracts. Most of us had put in years of service and worked overtime to get projects out to meet deadlines set by executives who had no idea of the work involved.

Even forsaking our families at times, and for what? To be walked on and thrown out like yesterday's newspapers, to perfect a vehicle that we will never be able to afford? No perks at this job, poor pay, no employee discount, no job security, and the night shift makes getting anything done impossible. Basically, they own us.

After listening of our frustrated doom, everyone was sitting around wondering what would become of us. Three of us—who were as close to model employees as you could get—did our jobs and didn't screw around while other people slacked off and played solitaire. We never took advantage of our jobs. That is, until that one night.

I was the first who mentioned a scheme, half jokingly and half seriously. "We should go down into that restricted area and try to get in." The other two guys agreed we really didn't have anything to lose. So we decided to go for it. We knew what was in there because you could see all the experimental cars from the solid glass walls. The sliding doors were about 10 feet high and 15 feet wide. The only problem was that they were locked by an executive level passkey card. We knew they wouldn't let us walk right in—none of

us fit the description of an executive type.

We were obvious computer geeks, as our coworkers would say. So we thought of a plan. We gathered a bunch of door parts, a frame here, a sealing strip there, got some calculators, sketch pads, pencils, and a few compasses left over from the manual days.

We picked up some heavy blueprints to back up our story and typed up a fake work order. Our pass cards would let us in most of the way but when we got to the glass wall, we were stuck. Stalling my card

through, it just beeped. I thought about spraying some salt water in the reader, like what people did in the old days with Coke machines, but that would have been destructive and nonproductive. Instead, so-called engineering would be our key.

A voice spoke from the intercom. "Can I help you?"

I replied, "The reader won't read my card."

The voice came back, "You're not in the computer for this area."

"I have a job that requires my unescorted access to this area."

"I'll be right down," the voice shot back.

We showed him our ID badges that proved we worked there and he asked what we were doing. We explained that we needed to get in the restricted area to do some last minute changes to the seals in one of the vehicles before this year's auto show, which was only a few weeks away.

(Unconvinced, the guard wouldn't let us through. We untrolled the blue prints and showed him where the trouble was. Being the senior he was, he couldn't read the blueprints or make heads or tails of it.

—There is an airflow problem throughout the door system, which at high speeds causes wind deviation thus amplifying cabin noise and increasing internal pressure." We threw in some more technical BS and buzz words and finally he was convinced after we showed him the phony work order. He slipped his passkey through

the door and opened it for us. He watched us for about a half hour until he got a buzz from another part of the building and had to go. We told him this will take us most of

the night and we could let ourselves out. There were push buttons on this side. Now the fun would begin.

Most of you won't see the vehicle we were about to play with until 2002. It's a prototype and there were six of them there. In the trunk was a fuel cell, holding about 50 gallons of racing fuel. The tires of the car were kicked out and set out about 6" in the rear, and mostly to the corners of the car. It was super charged, none of that cheap turbo charge crap. Under the hood was, well you wouldn't believe me if I told you. Needless to say this wasn't the fuel economizing car that everyone thinks we're all working on to save the environment. This car was pure evil. Oh, did I

mention that we are one of the most prestigious car companies, that we are the definition of luxury and class? Most older folks want one of our cars when they retire. So this car will be a shock when it's released. And it will be released.

We drooled enough. Now it was time to test out our make-up theory. There are all ways keys in these vehicles and full tanks of gas. No problems on the car so no one will know what it is if they see it. Heck, at 2 am who would be out on the roads anyway? We fired her up and two of us went out, leaving one behind in open the door so we could get back in. I took the second spin at the wheel and oh my gosh, talk about power and speed. I had never driven a super charger before. There was no waiting for the turbo to kick in. You hit the gas and it was pure power. The tires would squeal as long as you held the gas down.

At 80 mph it screamed like we were crawling and every time I tapped the paddle the tires would squeal. At 95 mph they would squeal! I think I got whiplash that day. At a red light a Corvette pulled up next to us, a new sleek one. He gunned his engine and when the light changed I floored the gas. Bad mistake—the car just sat there spinning its wheels like we were on ice. OK, I'm a computer geek, not a drag racer. I came off the entrance ramp to I-75 at 75 mph. I was looking for a certain switch that I had heard existed. I flipped off the headlights and hit the switch. Night Vision.

A camera is mounted in the hood in the symbol. It displays the image on the window and you can see through fog and rain. It makes everything white and is very cool. I like it because I can drive with no head-

lights on. The ride was smooth, and steering was tight and effortless even at speeds over 150. The car also has GPS installed in case you get lost or you lock your keys in it—or if the car is stolen. If you get in an accident and the airbag goes off, it automatically the headquarters and patches you into a 24 hour occupational who can listen in on your cabin and talk directly to you using cellular towers. This system and features are commonly referred to as telematics; another new buzzword that will be popping up later this year. The home base of this is networked and the receptionist can watch your car's movement on her screen. She can patch her screen to other receptionists too. Other features of this system allow you to navigate and even be told histories of the towns that you're driving through. No perfume trees, just one yearly fee. Had I not been having so much fun I would have thought to get the dial-in number to the automated computer.

It was nearing one lunch time so I hit the blue button which connected the car to the 24 hour lady. She gave us her names and asked how she could help us. I said we needed the location of a 24 hour restaurant. She gave us a few of them and then told me to turn right at the next exit and guided me there no problem. All without even asking my name, or where I was calling from. I later learned this service will cost about \$400 a year but that is unlimited service calling. Data travels at a slow analog speed of 2400 bps. This should change soon as more digital towers are put up along the expressways. There all vehicles will use speed-spectrum.

The lady said she was getting a reading of engine compartment heat and suggested I ensure the radiator was full, even though it appeared full to her. It might have been due to my driving over 100 mph for so long before I called her. "I'll check it out," I told her. Just think what other people would do if this fell into the wrong hands. This service makes the Premium III ID feature look like small potatoes.

Headlight in the future will soon find its way into the automobile. This car itself is one large computer; there are microchips in every part of the car, each controlling components, mirrors, windows, seats, door locks, power brakes, etc. Yikes will be easily inserted into the car's onboard system via the CD player which will soon be a

direct link to the car's CPU. A hacker could make the horn honk every time the brake pedal is pressed. Just think what a program like Back Office could do on one of these cars.

I see it like this: A voice announces to the untuned driver: "What's wrong - you don't like Rob Zombler?" "No!" yells back the executive driver. "Then, turn it off. Oh that's right, you can't. I own your car!"

Most of the top automakers are secretly making it their goal to turn their luxury cars into a virtual onboard LAN. And it was highly evident in the car I was driving. Behind closed doors, execs discuss their future plans. They want their vehicles to be able to access the Internet. It would have to be wireless and they know what that

means. A high price would have to be paid to the companies that own the rights to the specific radio spectrum which would be required by this system. They figure they will pass the cost to the consumer and have them pay for the service like we do now for the Internet. (Mental note, lower in AT&T stock.) With all the talk of what they want to do, no one is talking about what they're going to do to make it secure.

They are relying on digital spread spectrum to be their firewall, saying that will protect them from their signals being intercepted. In my opinion this is very unrealistic, yet typical. What they don't realize is that sometimes the demon comes from within.

I've seen the future, and it is sweet.

*** Welcome to irc.2600.net - Message of the Day

*** - IRC 2600 SITE

*** - We all know IRC is an atrocious way of communicating, to say the least.

*** - This is all fine and good, except that it sometimes adds

*** - communicating a bit difficult. A bunch of us have got our heads

*** - together and came up with something that should please everyone - the

*** - 2600 IRC Network. That's right, a new network that's completely

*** - independent of EPNET, unimatrix, colnet, whatever. Simply change your

*** - server to irc.2600.net and you're in!

*** - As this is our own server, we can do whatever we damn well please on

*** - it and you have more of a chance of implementing features that you

*** - want as well. At the moment, we allow usernames of up to 32 characters

*** - instead of the current limit of 9. We're working on implementing

*** - secure connections for our users so the monitoring operation can go

*** - back to real crime soon again. And, as long as we, 2600 readers will be

*** - able to contact people in their areas by simply entering a channel

*** - that identifies their state or country. For example, #AA250C is the

*** - 2600 channel for Kansas. #2100de is the 2600 channel for Germany.

*** - 16000s come before the 2600, 16000s come after. A full list of the

*** - two-letter codes is available on our server. I and, as always #2500

*** - will exist as the general 2600 channel, open to everyone at all times.

*** - You can create your own channels and run them as you see fit, in the

*** - tradition of IRC.

*** - We look forward to seeing this network grow and flourish. Help spread

*** - the word - irc.2600.net - a network for hackers, run by hackers.

Telco-Babble

by Android

The etymological origin of the word telecommunications is derived from the Greek word tele as defined in the book of Webster as to travel a distance over. And communication defined as a system for sending and receiving messages as by telephone, telegraph, radio, etc. Now that we have an understanding of the concept, let us proceed into the subject and shed some light on it.

This is inspired with respect to our brethren Galadriel Dismay who wrote "Copper Pair Color Coding" in 15-4. I was enlightened to read the article so that others reading about what was written can understand the information in their quest for knowledge in the Information Age. What was explained was the color code. The color code is the foundation to understanding the wires that are used for our telephone connections. When you see a telephone cable, it will have a variety of different colors of wires. When you strip the wire, it is copper. And of course, copper is a conductor of electricity.

All of the wires have different specified colors with respect to the color code. Understanding the sequence will help you understand how to connect it to a 66 block, for example. Encountering other types of cable with the wires inside will show the various colors of the wires. It will be in a different sequence, but the concept applies as it does to all other telephony cable. Now that there is clarity to the purpose for the wire, I'll expand on the different types of terminology pertaining to how the cable is defined.

For the standard telephony cable, inside there are 25 pairs of color-coded wires. The definition for the 25 pairs of wires is called a binder. From the definition of a binder, we can expand our telco jargon. One super-binder has 25 binders with 625 pairs.

One mega-binder is equivalent to 25 super-binders. And last, one ultra-binder has 25 mega-binders or 39,625 pairs of colored wires. This is equivalent to one ultra-fiber optic cable. That wasn't too hard now... was it?

What I forgot to add was that for telephony cables, when there are more than several binders, there are ribbons inside to separate each individual binder. What is interesting about it is that the color code applies to it - colors with respect to the color code separating the wires so that no confusion will arise (or did I add to the confusion?). Anyway, this is the definition for the different classifications of wires.

That was the foundation for understanding the various telephony cable sequences with respect to the color code. Practice using the terminology with a telco person who works out in the field and that person will be impressed. As for understanding the various networking protocols, packet-switching, TCP/IP, to name a few, they rarely understand it (not to castigate their intelligence). This is from my social engineering with others in the field. In contrast, the telcos provide us with services that are vital to the connections to the communications terminals so that we can have our Internet and telephone connections.

As a telco-dweeb dilettante, the telco realm was different compared to the computer/electronics realm; two completely different entities. I rarely use the color code, but it's good to share the knowledge with others not familiar with it. When the two are integrated there is an appreciation for the cabling, terminals, and connections making it possible for communication lines to be in existence. Yet, it's fascinating to ponder how a copper wire with plastic wrapped around it in various colors is vital to the communications that we are using today and for tomorrow.

An Intro to Paging Networks and POCSAG/FLEX interception

by Black Axe

Pagers are very, very common nowadays. Coverage is widespread and cheap, and the technology is accepted by most. Ever wonder, though, what happens on these paging networks? Ever wonder what kind of traffic comes across these pager frequencies? Ever listen to your scanner on a pager frequency in frustration, hearing the data stream across that you just can't interpret? Want to tap your radio, get a decoding program, and see what you've been missing?

Before I begin, let's cover just exactly how those precious few digits make it from the caller's keypad to the display of the pager in question. Or perhaps your monitor...

Let's entertain a hypothetical situation in which I would like to speak with my friend, Dave. First, I pick up my phone and dial Dave's pager number (555-1234). I hear the message "Type in your phone number and hit the pound sign." So I comply, enter 555-4321, and then hang up.

Here's where the fun starts. This is all dependent on the coverage area of the pager. The paging company receives the page when I enter it, and looks up the code of the pager it is to be sent to. A code is somewhat akin to an ESN on a cellphone; it identifies each specific pager on a given frequency. The paging company will then send the data up to a satellite (usually), where it is rebroadcast to all towers that serve that particular paging network. (Remember last year, when everOzone's pagers stopped working for a few days? It was just such a satellite that went out of orbit.) The paging towers then transmit the page in all locations that Dave's pager is serviceable in. In this case, let's say that Dave's pager has a coverage area that consists of a chunk of the East Coast, going from Boston down to Washington DC, and out to Philadelphia. The page intended for him is transmitted all throughout that region. Since a pager is a one-way device, the network has no idea as to where the pager is, what it's doing, etc. so it just transmits each page all over the coverage area, every time.

So? you may say, "What's that do for me?" Well, it means two different things. First, pagers can be cloned with no fear of detection because the network just sends out the pages, and any pager with that cap-

code on that frequency will keep and receive the data. Second, it means that one can monitor pagers that are not based in their area. Based on the example of Dave's pager, he might have bought it in New York City. He also could live there. However, because the data is transmitted all over the coverage area, monitoring systems in Boston, Washington DC, and Philadelphia could all intercept his pagers in real time. Many paging customers are unaware of their paging coverage areas and usually do not denote the NPA (area code) from which the page is being received. This can cause problems for the monitoring individual, who must always remember that several digit pages shown on the decoder display are not necessarily for their own NPA.

The Pager Decoding Setup

Maybe you knew this, maybe you didn't... Paging networks aren't encrypted. They all transmit data in the clear, generally in one of two formats. The older format is POCSAG; which stands for Post Office Code Standards Advisory Group. POCSAG is easily identified by two separate tones and then a burst of data. POCSAG is fairly easy to decode. FLEX, on the other hand, is a bit more difficult, but not impossible. FLEX signals have only a single tone preceding the data burst. Here's a tip to take those annoying signals out of your scanner and onto your monitor. You will need:

1. A scanner or other receiver with a discriminator output. A discriminator output is a direct connection to the input of the discriminator chip on your scanner. This is accomplished by soldering a single wire to the output pin of the NEM discriminator chip to the inner conductor of a jack installed on the scanner. RCA jacks are commonly used for convenience. A list of scanners and their discriminator chips can be found at <http://www.com.triangles.net/soundslur/ax/>. For obvious reasons, the larger and more spacious a scanner is internally, the easier the modification is to perform.
2. A computer is required to actually intercept and display the pager. Most pager decoding software runs under Windows. This includes all software which uses the sound card to decode signals. If you have a data slicer, there are a few programs which will run under DOS.
3. You will need a Soundblaster com-

patible sound card. This will let you snag POCSAG traffic. Or you can build a data slicer and decode FLEX traffic too. Or you can be lazy and buy one from Texas 2-Way for about \$80 or so. The Soundblaster method will obviously tie up your computer while decoding pages. Using the slicer will let you run decoders on an old DOS box and will let you use your better computer for more important stuff.

4. Antennas, cabling, etc... You will need an RCA cable (preferably shielded) to take the discriminator output either into the sound card or into the slicer. If using a slicer, you will also need the cable to connect your slicer to your computer. As far as antennas go, pager signals are very strong, so you won't need much of an antenna. A rubber duckie with a right angle adapter, attached right to the back of the radio, will be more than enough. The signals are so damned strong that you might even be able to get away with a paper clip shoved into the antenna jack. Think of what kind of an antenna your pager has; this should give you a good idea of what the requirements are in the antenna department.

Connect your scanner's discriminator output to either your data slicer or your sound card. If using a sound card, be sure to use the line in connection. If using a data slicer, connect that to the correct port on your computer. Done yourself a nice, strong (they're all strong, really) paging signal.

Where are they? Well, the vast majority of numeric pagers are crystallized between 929 and 932MHz. Try there. Or if you want to try decoding some alphanumeric pagers, try the VHF range around 158MHz. There is also some activity in the 460-470MHz range.

Now, what about software, you say? That's where things start to get somewhat difficult. Motorola developed most paging protocols in use and holds licenses to them. Any software that decodes POCSAG or FLEX is a violation of Motorola's intellectual property rights. So one day, the people at Motorola decided that they didn't want that software floating around. They

proceeded to look up everyone who had copies posted on the Web and told them that if they didn't take these specific programs off of the Web, it was court time. The threatened webmasters removed the Motorola. After that, our good friends from the United States Secret Service arrested Bill Check and Keith Knippschild for messing around with decoding hardware and software - the SS appeared to want to make sure Motorola was illegal. Of course, these arrests were ridiculous, but nobody wanted to get busted... so the vast majority of researchers around English or German sites may yield some interesting results.

Now you're ready. Fire up the software. Get that receiver on a nice, hot frequency. Look at all of the pages streaming across the network. Give it a few hours... getting bored yet? Yes? Okay... now that you have a functional decoding setup, let's make use of it. Know someone's pager that you want to monitor? Here's how to snag them. First you need the frequency; it's usually inscribed on the back of the pager. Also, you can try to determine what paging company they use, and then social engineer the corp.com also has a search function where you can locate all of the paging transmitters (and frogs) in your area, listed by who owns em. Not bad. So you have the frequency... now what? Well, wait until you have to actually talk to this person. Get your setup cranking on the frequency. Get this person's pager in using. Now, page him. Pay close attention to the data coming across the network... see your phone number is addressed to? That's it. Some better decoding programs have provisions to log every single page to a certain capcode to a logfile... that's a good thing. Get a data slicer, set everything up on a dedicated 486, and have fun gathering data.

For updates to this article visit the Phone Paux Network (<http://www.auppa.net>). Mail can be sent to the Phone Paux address and it will find its way to me.

DO YOU HAVE A SECRET?

Is it something so sensitive you can't risk us back-tracing your fingerprints from the envelope you mail us? We understand. That's why our fax machine is always ready to talk to you. 516-474-2677 (note: we will soon be forced against our will to use the new 631 area code - make the most out of the old code while it lasts!)

STARTLING NEWS

We've decided to turn back the hands of time and embark on a shrewd marketing ploy. Effective immediately, our subscription price will revert to what it was nearly ten years ago - a mere \$16!

Why are we doing this? Have we completely lost our minds? We will not dignify that with a response. But we will say that we are hoping to get more subscribers and, since the vast majority of people buy 2600 in the stores, this seems as good a way as any. Plus it'll shut up those people who complain that subscribing is more expensive than buying it at the stands. That's no longer the case. Now, in addition to not having to fight in the aisles for the latest issue and being able to place free marketplace ads, you will also save money over the newsstand price. Just like Time and Newsweek.

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HACK THE MEDIA

by Jim Nieken

Much has been said lately about journalists and the media, from their outright disregard for the likes of Kevin Mitnick and others, to MTV's much criticized foray into the lives of hackers. Few would deny the power and influence of journalists - yet no one seems to like them. They tend to print fakery and most other "underground" subcultures in a negative light, and there are a number of reasons for this. Among them, deadlines and other time constraints, the betraying nature of the news gathering process, and the necessity to simplify information. But there are ways to turn the idiosyncrasies of journalism to your advantage, and to help reporters present an accurate and positive account. Follow my advice, and you might even find something good written about you in the papers.

First, some background. I have been working for various newspapers for years, both in freelance and staff reporter positions. My byline has graced the pages of papers both big and small, but I grew up working with local papers and tend to prefer them. I haven't done very much work with television, but the news gathering process is mostly interchangeable. Although a writer by trade, I am a geek at heart and must sympathize with the poor treatment my colleagues often give hackers.

This article is intended to explain how print and television journalists investigate and report a story, and what you can do if you are ever asked for an interview.

The Deadline: Your Ticket to Increased Adrenaline Output

Years ago, when I was just getting into the newspaper business, a grizzled old editor took me aside and explained what I was really supposed to be doing there. "My job," he said, "is filling up newspapers. Your job is meeting deadlines." His point was that while journalists' integrity was all well and good, newspapers couldn't print blank pages.

Deadlines are not just a part of the job; they are often the single most impor-

tant concern. Reporters need to get their work in on time, and that can sometimes mean sacrificing accuracy for haste. No one wants to print an untruthful story, but the fact is that the less time you spend researching, the less quality information you will get. That information also needs to be analyzed if it is to be conveyed correctly, which also takes time.

Looming deadlines are not the only factor in inaccurate reporting, but if you ever find yourself the subject of a story you should take them into account. If a reporter says that he or she has a day or less to cover a story, be concerned. If they have more than a few days they probably won't totally misrepresent you, and if they have several weeks the deadline is not likely to affect the quality of the reporting at all. This is why local television news reports are often so

sloddy. Local TV reporters (excepting news anchors) often work under deadlines of a few hours or less. They are told to run out to a location, pose in front of a building or a car accident, and rattle off a few facts provided by local law enforcement. They don't have time to actually investigate, which is the cause of all time constraints.

As a subject, there is little you can do about deadlines, but you may want to ask when their story is due. If you want to help yourself and create a better story, try your best to work within the limits of the reporter. If you just did something especially nasty to the local power grid and you would like your side of the story told before they haul you off to a holding cell, try to be available to media sources. You can't get your side out if you won't talk, and newspapers may be forced to print only what they have heard from other sources. Those may be your friends and family, but they could also be the police and other government agencies, or the guy whose life was ruined because he missed the season premiere of *Ally McBeal* when you took out the electric company.

The Interview as Seduction and

Betrayal

In college, a journalism professor once told me that there are only two kinds of people in the world: those who are interviewed often and who know how to be interviewed - and those who aren't and don't. As a reporter, I get most of my information via the interviewing process, but no other news-gathering technique has a greater potential for distorting information. Unlike a school district budget, or the winner of an election, or something equally quantifiable, conversations are more subject to interpretation than most people realize. You, the reporter, must survive the transfer into your own words, into my head or into my notes, into how words in the final story, past the merciful removers of various editors, and finally back into the hands of a hundred thousand readers. It's not at all uncommon for people to complain that they were misquoted or misrepresented when they see their words in print. I hear it all the time.

The distortion extends beyond merely getting the exact wording of a quote wrong. Words are usually taken totally out of context, poorly extrapolated, from sloppy notes, or even shamelessly fabricated. It's very uncommon for a reporter to totally fake quotes (we tend to be pretty anal when it comes to what's inside quote marks), but deeper lies in how quotes are set up. It all depends on how your comments are explained and what context they are placed in.

You could say something like: "I don't really like people who break into other people's computers just to mess with stuff. I mean, the idiots usually deserve what they get for leaving their wide open, but it's really mean and no one should take advantage of people like that."

But a week later this might be printed in the local paper: "...One hacker said that he feels no sympathy for people whose computers are attacked or vandalized. The idiots usually deserve what they get for leaving their stuff wide open," he said casually.

The quote was reproduced accurately, but the context was totally reversed. Because of this, reporters love juicy, colorful, or controversial quotes. They spice

up a piece of writing like you wouldn't believe. If you're not careful they could even end up right in the headline. If it takes three minutes of set up and hypothetical situations and philosophical justifications before you can say something like "...As I guess it looked at it that way we should probably just blow up the phone company building," you can be assured they will not print the philosophical justifications and skip right into your admission of a terrorist plot.

As an interviewee, you can help in a number of ways. First, don't say anything that needs a lot of background or buildup. We work with sound bites, and you should never say anything you don't want printed unless you make it clear that it's off the record. All reporters will respect your wishes to not have a quote printed, but always pay attention to what you are saying. Don't say anything too socially pat. Go slowly. We can only write so fast, and it allows you to choose your words more precisely. If you're ever suspicious, ask the reporter to read your words back to you. Make sure you like what it says, because they may come back to haunt you and this is the only chance you are going to get to change them. Also, always realize that you never have to answer any question asked by a reporter. We're not cops, and we can't force you to do anything. On the other hand, most journalists have large expense accounts and Forbes are an extremely common industry practice. You might suggest that you sit down over dinner to talk. Be sure to order a dessert.

Journalists May Be Stupid, But Our Readers Are Even Stupidier

My hands: Microsoft Word grammar checker tells me that this document is written at or around the 10th grade reading level. This means that if you can read this paper without moving your lips, you are capable of reading at at least that level. Most magazines and nearly all newspapers are written at or around the 6th grade level. This is not because this is all the average American can handle. Rather, it keeps Joe Public from choking on his coffee at 7:30 A.M. as he stams into words like "axiological" par simpy - newspapers are mass mediums. They are consumed by the general public, and are

written so people don't have to know anything about the subject being reported.

Newspapers are expected to provide only general information and basic facts. You might succeed in explaining the intricacies of exploiting a CGI loophole and stealing root access on a server to a reporter, but the writer still needs to explain that to 500,000 non-technical people. Most journalists are fairly good at assimilating information, but they are still not likely to get technical details correct. Even if they do understand it for some reason, it's likely to get twisted in the translation.

There is little you can do in this regard, other than to try simplifying your language. Assume that the reporter has no clue when it comes to technology, and no intention of prioritizing anything the least bit technical anyway.

Journalism is a Business:

A Lesson in

Economic Theory

News reporting organizations are not a public service. They are a business like any other, and they must remain profitable if they want to continue printing or broadcasting. In order to do this, they must run interesting stories about interesting events. If that means slanting an issue or exaggerating a point, it can easily be justified. Most of my journalism classes in college centered on giving otherwise mundane stories enough "sizzle" to make them interesting. But there is a duality at work: "sizzle" versus "responsibility." Most reporters have no desire to print a false story, but most reporters have no desire to print a boring story either. Often the two sides are at least partially in conflict. But it could be worse than that, depending on the particular ethics of the organization doing the news gathering.

The journalistic reputation of the network or newspaper doing the story is typically a good barometer of how concerned they are about responsible reporting. I would trust PBS or The New York Times with just about anything, although they make errors like anyone else. I would trust the *Boston Globe* or the *Washington Post* to get most of the story right. I

would expect the Associated Press, CNN, ABC, and the average local paper to at least get the basic information correct. I would bet some amount of money that CBS, NBC, MSNBC, Fox News, and most major city papers retain at least a passing resemblance of reality. As for most Internet news clearinghouses, any local television news station, or the likes of MTV - their efforts are more akin to self-serving propaganda than journalism. I wouldn't trust MTV to report anything accurately, let alone something as delicate as what it means to be a hacker.

Every news-gathering company has a different perspective on sensationalism versus responsibility. It's probably in your best interest to evaluate how much you trust the particular organization before you consent to a story about or involving you. If you don't already trust most or all of what they tell you, don't expect that you and your story will fare any better. One thing you can do to help is to constantly mention how much you distrust the media and how they've let you down considerably in the past. Being in the forefront of the reporter's mind that accuracy is more important to you than what is provocative. Make him or her think that they will be betraying you if they misrepresent you in any way. It usually helps a lot.

Conclusion: Reporters are

People, Too

If you ever find yourself the subject of a news story, be aware that the end product will probably not show you the same way you see yourself. Complicated details tend to be simplified, and that can mean a significant change for something as technical as computer hacking.

Like I said, no reporter and no newspaper wants to print an untruthful story. It's not likely that they will totally fabricate facts, but they can be taken out of context and reworked to create a more interesting story. Reporters often go into a story with preconceived ideas, and it can be difficult to change them. Just as natural, be truthful, and explain things as clearly as you can. If the reporter is any good, you may actually like what you read in the paper or see on TV a few days later.

PEOPLE WHO CAN'T KEEP QUIET

Inquiries

Dear 2600:

I was recently listening to the SA1759 (of the show and reading the latest copy of *Poplar Science*. While looking through the ad in the back of *Poplar* I came upon the part in the show where you discussed the fact that DirecTV said Dan McGinn for having information on how their technology works as well as ads for technology that bypasses their encryption and I noticed something *Poplar*: a reputable and widely distributed magazine, runs ads for cable subscribers. There, as I recall, are listed in most areas and have virtually the same function as the encryption bypassing technology advertised in *Scientific Monthly*. Upon further investigation I found that *Poplar* Magazine's (Poplar's sister magazine) also runs these ads. What the hell is the deal with this? Not to mention that the whole case violated the First Amendment and is completely and utterly illegal.

Author

As this was a "snit" case, it was relatively easy for a large corporation like General Motors (you do know that General Motors owns DirecTV, don't you?) to shut down a pure publisher like "Scientific Monthly." In this case, the fact that *Poplar* dared to print articles about the GM's scandal could be described as more enough to cause GM's wrath. Even with the First Amendment and many legal whippersnappers on GM's side, it can place the possibility to sue the litigation and a corporate giant can make by the way, we will cheerfully print any article on the subject of decoding GM's signals.

The Politics of Hacking

Dear 2600:

About the letter in 1062 by RIKBRKRIGHT, I've come to the conclusion that most of the people in "hacker groups" are just like us, working people, so we're just so they can step on them. All it is is getting by a bunch of jerks who want everybody to know how "other" they are. Real hacking takes place behind closed doors with people who don't want publicity or social recognition, who learn for the sake of learning. Personally I don't participate in any of the hacker jobs that seem to put for "hacking" nowadays like water hacking or even electronic breaking and entering. I do admit long ago that America's "educational" system is really an advertisement system and that if you want to learn anything useful you have to learn it yourself. My goal in what I call "hacking" is to learn as much as I can about technology, including but not limited to that which is fashionable in the shop to know. In a society in which knowledge is forbidden,

knowledge is truly power. I don't believe in any groups I don't seek approval from "peers" or powers. I learn for the sake of learning. About Kevin Mitnick, I think that the real crime he committed is not that which he was charged with (he even stated he was not charged with) what he did to was rather self-punitive. Social engineering doesn't deserve four and a half years in prison. But I know what the government thinks does deserve it: Mitnick's forbidden knowledge. Simply put, Mitnick knows too much for the rulers' comfort. As I said before, when knowledge is forbidden it is given a limited set of copies of *The Fugitive Game* a few days ago, and right on the back cover Mitnick says: "They're saying that I'm John Dillinger, that I'm saying that it's checking that I could get this message, pure... People who use computers are very trusting, very easy to manipulate. I know the computer systems of the world are not as safe as they think."

That is Kevin's real crime: exposing the fact that in the power of the ruling class. Therefore, we should say that he is morally guilty as charged, and that the government's Operation Psychological Warfare experiment on Mitnick is just a symptom of how fragile their hold is on those who have the knowledge. I see Kevin for the sake of Kevin, but also to show that the Power can be fought successfully. Kevin Mitnick and Bernie S. have already shown us that it is truly We the People, and not They the Rulers, who have the power - when we have the knowledge. And that, not social recognition or publicity, is the true purpose of hacking.

Real said

Dear 2600:

Thanks for letting us see what can be done. I am an East Tennessee nipster and was glad to see that we can protest in so many ways to get our message across. Just wanted to say thanks for letting us see how I can protest. Never thought about it. Cheers

Real said

Dear 2600:

While the *Weekend* advertisement with *Poplar* included a coding to our archives date back to 1997, may not have been the final answer in working a successful operation, they did open up some *Code* after the author's *Code* to *Key* to *Code*. That is itself *Always* the potential value of such a message of exposure.

Real said

Dear 2600:

This is in reply to the letter in 1062 about how this involves persons refusal to read from a cable model.

saying that he/she didn't want to damage their karma (or get caught). Not only did this person not take anything, but he/she left the door open to the truck so the driver would come back and see that someone had been in it.

This says the driver would have a less and not keep the door unlocked again. Now there are some people who believe that that is the right and moral thing to do. I'm not necessarily endorsing those people but here is my side.

This anonymous person said: "My hacking philosophy has usually been one of education." This is my philosophy as well. If I steal equipment out of a cable or Bell truck, I could educate myself by examining it, or maybe even use it for some fundraising plan. If I want to steal any hardware out of these trucks then I definitely would be educating myself. There may be valuable information in these trucks that I could not find anywhere else. By doing this I don't believe that "A life of crime is my goal." Yet a life full of knowledge and excitement is. I think this is important to talk about because speaking for the sake of knowledge is a subject that hackers and geeks on any level can disagree upon.

TEKNO
IRONX

Dear 2600:

You raise an interesting point. We strongly believe that obtaining knowledge of how something works (in the real thing). But if you then use that knowledge in a destructive way that is where you're going wrong. As for how the knowledge is obtained, that too can make a big difference. If you choose not to kill a technician because you want to read one of the manuals, the knowledge isn't so much the issue as it is how you obtained it. Now doing with knowledge also a use to steal something, you're actually physically involving two something and you're denying someone of something that is their's/stolen's. That's the difference from using it or not using it. The company may send you a copy. In a dispute time, stealing can be the only way to survive. We just don't believe it's quite as bad as you say.

Dear 2600:

This is in response to another's letter in 152. I must say I see a complete agreement. Sadly, in this day and age most everyone judges a book by its cover. Therefore, to hinder someone's cause, I think it is totally important to remain ever so "underground" even if that means (shh!) conforming to the service. After being involved with computers for quite a few years now and also involved with the general public, I have found it is far easier to get what you want and get away with it if people feel you are like them. If meeting Tommy Filinger and other KKKan keeps people from being suspicious and over judgemental, that by all means there it. Nevertheless, keep doing whatever you want in your own time. This again, if you feel it is necessary to spite your hat then force over your head, do it private, and please every loose piece of skin you possibly can. If I am being very stereotypical here and sport eagle plasters myself? (Shh)

by all means please do. However, I and many more like me, feel it is far more beneficial to bear society at its own van and sugar-ficial game.

Major Mission

This needs to be if you're going "undercover" for a specific project. For many people exposed this to include their school, work, and family life, all for the sake of nothing things easier. Only problem there is that the more you play that game the more you need to. When your degree your own idea and everyone you feel it mean it harder to move on the situation when you feel like it. If you don't sell out your values from the start, you'll find it a lot easier to hold onto them in different situations. You might also be surprised how much you can get away with while being "betrayed."

Difference of Opinion

Dear 2600:

I read the informative article in the CNN Internet section (cnn.com/TECH/History/06/06/katzgarden/) I believe it was your editor who responded to the questions by CNN. I really do appreciate your honesty and candid response. I see a person who believes that the government and the corporations have been misbehaving for decades. There is much evidence that this is true. I do not believe that everything I read or see on a web site is so certain. On the contrary, being a thinking person, I take everything that I hear or read with a grain of salt. Being a thinking person, I feel I should respond to your response. First off, I believe your topic is quite broad. Pagers, cell phones, and computers are primarily communication devices. They are not toys. According to your necessity it is okay to steal something if others have it out in the open. Your philosophy leaves much more for the justification of "hacking" and entering, and suggesting web pages that don't belong to you. One could perceive your actions and the actions of all of your group as the selfish behavior of individuals who have very little respect for the privacy of other individuals. In response to your opinion that hackers should not be prosecuted and put in prison it's not surprising considering that most criminals do not understand why they are in jail. We as a society cannot let our private belongings and documents be subject to the criminal class. As long as your organization believes it has the right to steal from others (just because you can), and take advantage of new technology to the detriment of your fellow humans and species, I will never support hackers or their related systems. It is interesting that you feel you are doing this country a great service by being the heart to back in and reorganize legitimate web sites, believing that if your organization did not do it then, our tremendous errors would get around in a. For that is not the way it happened, is it? Unfortunately, your organization has become the zombies you say you so adamantly oppose.

Jeffrey Steinman
Mithras

PEOPLE WHO CAN'T KEEP QUIET

Inquiries

Dear 2000:

I was recently listening to the 61:709 *Off the Hook* and reading the latest copy of *Psychiatry Science*. While looking through the ads in the back of *Psychiatry* I came upon the part in the show where you discussed the fact that DinosTV sued Dan Morgan for having information on how their spyware works as well as ads for technology that bypasses their encryption and I received something. *Psychiatry* a reputable and widely distributed magazine, runs ads for cable decoders. These, as I recall, are illegal in most areas and have virtually the same function as the encryption bypassing technology advertised in *Scientific Mind*. Upon further investigation I found that *Psychiatry* *Scientific Mind* (which requires) also runs these ads. What the hell is the deal with that? Not to mention that the whole case violated the First Amendment and is completely and utterly pathetic.

Ackbar

As for your "evil" case, I was relatively easy for a large corporation like General Motors (you do know that General Motors owns their TV, don't you?) to shut down a tiny publisher like "Scientific Mind". In any case, the fact that SKY decided to get involved doesn't mean DNS signals could be decoded well enough to intercept GM's work. Even with the First Amendment and many legal scholars on our side, it can often be impossible to survive the litigation that a corporate giant can mount. By the way, we will eventually prove any articles on the subject of decoding DNS signals.

The Politics of Hacking

Dear 2000:

About the letter in 16:2 by RFBKright, I've come to the conclusion that most of the people in "hacker groups" are just alone wanting people to watch them so they can sleep on them. All it is to posting by a bunch of jerks who want everybody to know how "till" they are. Real hacking takes place behind closed doors with people who don't want publicity or social recognition, who learn for the sake of learning. Personally I don't participate in any of the bulletin boards that seem to pass for "hacking" nowadays. The worse mailing or even electronic breaking and entering I determined long ago that America's "educational" system is really an indoctrination system and that if you want to learn anything useful you have to learn it yourself. My goal in what I call hacking is to learn as much as I can about technology, including but not limited to that which is forbidden for the sheep to know. In a society in which knowledge is forbidden

knowledge is truly power. I don't belong in any groups, I don't seek approval from "peers" or posters. I learn for the sake of learning. About Kevin Menick, I think that the real crime he committed is not the which he was charged with (or even what he was not charged with). What he did was make small mistakes. Social engineering doesn't deserve fear and a half year in prison. But I know what the government thinks does deserve it: Menick's technical knowledge. Simply put, Menick knows too much for the ruler's comfort. As I said before, when knowledge is forbidden it is power. I'd also like to say that *The Engine* gave a few days ago, and right on the back cover Menick says: "They're saying that I'm Jake Dillinger, that I'm a member, that it's shocking that I could get this awesome power... People who use computers are very trusting, very easy to manipulate. I know the computer systems of the world are not so safe as they think."

That's Kevin's real crime: exposing the fact that in the power of the ruling class. Therefore, we should say that he is probably guilty as charged, and that the government's Orwellian psychological torture experiment on Menick is just a symptom of how fragile their hold is on those who have the knowledge. The Kevin for the sake of Kevin, but also to show that the Power can be fought successfully. Kevin Menick and Bernie S. have already shown us that it is truly We the People, and not They the Rulers, who have the power - when we have the knowledge. And that, not social manipulation or publicity, is the true purpose of hacking.

Deoparado

That said,

Dear 2000:

Thanks for letting us see what can be done. I am at East Tennessee myself and was glad to see that we are not in so many ways to get our message across. Just wanted to say thanks for letting us see how "real" power never thought about it. Cheers.

long live anarchy

ET 4 LRG

philly

Dear 2000:

While the last of *Information* web pages (which are ending to our website due back to 1997) were not done from the front cover in spending a successful uprising, they did open up some over that no *understanding* *producers* to keep about. That in itself shows the potential value of such a means of expression.

Dear 2000:

This is in reply to the letter in 16:2 about how this anonymous person refused to social from a cable truck

saying that he/she didn't want to change their name (or get caught). Not only did this person not take anything, but he/she left the door open to the truck so the driver would come back and see that someone had been in it. This was for their own good and not to keep the door unlocked again. Now there are some people who believe that that is the right social moral thing to do. I'm not necessarily promoting these people but here is my side.

This anonymous person said "My hacking philosophy has really been one of education." This is my philosophy as well. If I steal equipment out of a cable or Bell truck, I would educate myself by examining it, or maybe even use it for some pleasurable plan. If I were to steal any hardware out of these trucks, then I definitely would be educating myself. There may be valuable information in these trucks that I could not find anywhere else. By doing this I don't believe that "A lot of crime is my goal." Yet a lot of knowledge and excitement is. I think this is important to talk about because stealing for the sake of knowledge is a subject that hackers and phishers on any level can disagree upon.

BRONX

Dear 2000:

You raise an interesting point. We strongly believe that obtaining knowledge of how something works is a bad thing. But if you then use that knowledge in a destructive way, that is where you've gone wrong. As for how the knowledge is obtained, that too can make a big difference. If you steal and kill a machine because you want to read one of its manuals, the knowledge isn't so much the *how* as to how you obtained it. Same thing with breaking into a van to steal something. You're actually physically breaking into something and you're depriving someone of something that is being protected. That's the difference from copying it or misusing the computer and sending you a copy. As dangerous as sending out the code may be, it's not the code itself but the way it is used. The just don't believe it's quite as bad as you say.

Dear 2000:

This is in response to reading's letter in 16:2. I must say I am in complete agreement. Sadly, in this day and age most everyone judges a book by its cover. Therefore, to further advance our cause, I think it is really important to remain ever so "underground" even if that means (obvious) conformity on the outside. After being involved with computers for quite a few years now and also involved with the general public, I have found it is far easier to get what you want and get away with it if people feel you are like them. If wearing Tommy Hilfinger and Cabin Klein keeps people from being suspicious and even judgmental, then by all means wear it! Nevertheless, keep doing whatever you want in your own time. Then again, if you feel it is necessary to spike your hat then feel over your head, dye it purple, and give every trace piece of skin you possibly can if am being very surrealistic here and sport eight percentage nose? then

by all means please do. However, I send many more like me, feel it is far more beneficial to best society at its own vein and superficial game.

Major Motoko

They work for if you're going "underground" for a specific project but many people expect this to include their school, work, and family life. All for the sake of making things easier. Only problem there is that the more you play that game the more you need to. When your *signature* *years* have now managed you find it much harder to part of the idealistic where you feel like it. If you don't feel like your father from the start, you'll find it a lot easier to build onto from an "offshore" atmosphere. You might also be surprised how much you can get away with while being "social."

Difference of Opinion

Dear 2000:

I read the informative article in the CNN Internet section from *OUTREACH* (<http://psychobackground.com>). I believe it was your editor who responded to the questions by CNN. I really do appreciate your honesty and candid response. I am a person who believes that the government and the corporations have been oversteering for decades. There is much evidence that this is true. I do not believe that everything I read or see on a web site is accurate. On the contrary, being a thinking person, I take everything that I read or read with a grain of salt. Being a thinking person, I feel I should respond to your response. First of all, believe your logic is quite sound. *Pygmy*, cell phones, and computers are primarily communication devices. They are not toys. Assembling to you manually it is okay to steal something if others have it out in the open. Your philosophy leaves much room for the justification of breaking and entering, and copying web pages that don't belong to you. One could perceive your actions and the actions of all of your group as the selfish behavior of individuals who have very little respect for the privacy of other individuals. In response to your opinion that hackers should not be prosecuted and put in prison it's not surprising considering that most criminals do not understand why they are in jail. We as a society cannot let our private belongings and documents be subject to the scrutiny and class. As long as your organization believes this is the right to steal from others just because you can) and take advantage of new technology to the detriment of your fellow workers and citizens. I will never support hackers or their belief systems. It is interesting that you feel you are being this country a great service by being the first to break in and reorganize legitimate web sites, believing that if your organization did not do it first, that information sources would get around to it. But that is not the way it happened, is it? Unfortunately, your organization has become the terrorists you say you so vehemently oppose.

Jeffrey Seckman
Milwaukee

There's nothing like a fever that starts off really nice and then plunges into man-eating and flesh-eating. Now let's try and say that. We do not condone that. However, your definition of that is so broadly broad as to include things like copying web pages. You need to realize what that really is - taking something away from someone to take. Simple enough? When you take something, it's not their anymore. Copying a file is the same as taking it. Now you can argue that this doesn't make it right and maybe that's true. But it doesn't make it equivalent to whatever crime you want to punish people for. As for your little rant on our inability to respect privacy, perhaps you should look at who it invaded. How many times have we entered your name into a database and allowed it with several thousand of our friends? How many times have we let your private info hang around for anyone to stumble across? Perhaps have learned these things through experience and refusing to believe everything they're told. Heaters encourage the use of encryption in order to further protect each person's data. A good look at who opposes strong encryption and direct your anger that way. We're angry you don't design applications that you would never dream of. That is, unless you have. How many times did it appropriate to let your people who don't buy into your values and occasionally embrace your world evolve. We don't.

Dear 2600:
First thing's first: I know since in an and I'm a "fan" or whatever you want call me but in also on IRC, but the Reason I'm writing this letter is because I want FUDGE UP AOL and I sound some stupid thing to make "Fudgers", "hates", "angers", and "hiss" if 2600 puts this in a Mag the Shings might be dead Cause they change them monthly but since I'm SUCH A HACKER if you need them or need the new one's if there Dead Detail me @ aol.com use Subject "whacks" or something like like that well here are the Shing and go OSW the FUDGE UP AOL some Codes - j Gads: Shing=NSIP: TheLSSV: Ranges=OIA:me=VPI.
Keep it Real in the 90's and PHREAK the Fack out its some HILANSEZ 2600

Dear 2600:
I was reading the MTV special didn't you? Anyway, you really need to hook up with the members of the latter before you're there's an end to what the two of you could reach each other.

Minnick
Dear 2600:
Congratulations to Kevin Minnick, the 2600 team, and everybody who played a part in spreading the word. Hence still cracked Kevin. He was 29, not means instead fairly, and the remaining aspects of his espionage are still unrecapable given the time in jail without cultural

But the man, save his probation, will soon be behind him, so we can at last celebrate now. I look forward to seeing in Kevin alongside Dennis S. on "The Road somewhere in the future, and I look forward to exposing the "Free Kevin" bumper sticker on my car with a "Kevin is Free" sticker. A good job all around.

Phobofringe
He says you're making the stickers like his own.

Dear 2600:
Over the summer I was a counselor at a national computer camp (Oxbridge University in Atlanta) where I taught 16-22 bit hard disk assembly, c++, and Pascal in several 2-30 labs. During the two weeks that I taught and had fun (it was a blast say things), I would sit down daily with a group of my students during breaks and explain to them for which Minnick article, what happened, what went wrong, etc. I've never seen so many little kids filled with such enthusiasm on a political/cultural issue such as this. It was awesome the reactions that were raised from our discussions. Now there are some 250-300 kids ranging from 8-13 or so running around in Atlanta with an insanely enthusiastic Free Kevin mentality about them, which can only help the situation. I think that we've in those who look Minnick and want to fight the hell he's going through, should by and educate the upcoming generation on the whole after whatever the opportunity was. I think a lot of times people just try and target an older generation because they can do something about it right now, rather than the generation who is free or six years will have the power to make a difference. We have to think of the future, not just the present.

shaboy
Good points and to come anyone is Atlanta was wondering what all the noise was now you know.

Dear 2600:
The laws I taught by the U.S. government, possession of Kevin Minnick should clearly show that all hackers should unite for the common purpose of bringing down the U.S. government through the disruption of its computer systems. There is already a replacement government ready. It's manifest can be observed at www.singtime.com/whitehouse/perimeter.html. Thank you.

DeedL
What was that the replacement government is ready, what are we waiting for?

Dear 2600:
I just wanted to let you know that while I was at school one day, we had a guest speaker from the FBI. He was a Special Agent from the Kansas City Branch. When I asked him about his thoughts on Kevin, he didn't say much. This got all my other classmates, working who Kevin was, and he still wouldn't talk about it. It's like the agents are told not to talk about him. He did say that he thought that Kevin deserved the time that he got, and that was about it.

CherrieDe

Dear 2600:
I found your article "Show Minn" of very interesting. I had not previously seen any articles that detailed the recent history of Kevin Minnick. I found the many issues so be quite enlightening and almost beautiful. I wonder how many others suffer similar fates, yet remain unknown.

KAURRA
How many we've seen. We will try to keep updated on an email or possible.

Dear 2600:
How in the world do you actually think the Minnick case is unfair when there are so many more unfair cases in this world? Kevin, sorry to say buddy, but you are the bear of anyone's concern. There are people right now on death row. And you are sitting here in a hard jail cell getting money from big time ones who think you are their savior. How can you tell me that you think five years is had compared to someone who is right now on death row for life and every week you are getting a letter saying this is the last week of your life. Well Kevin, sorry buddy, we do not mean that much about the years of your real life. That five years would be like heaven compared to one week on death row. So why are you guys going along it so it won't happen again? Stop trying to raise money for this one guy. We are not playing favorites here. Let's get some money to all of the people in jail, not just one sick who got busted for computer fraud or whatever he got charged with. I subscribed to 2600 for years and years. Then finally the whole back to a Kevin Minnick book. I'm paying for Do us a favor. Just drop it.

man1
The only thing more annoying than people who do don't care are people who pretend they do. We don't see really give a shit about anyone who's suffering so just drop the facade.

Dear 2600:
I was recently reading a letter written by Brother In-fence in issue 16.4 about how the Minnick case and the Minnick Alibi Manual was set so closely related. Let's think about the facts for a moment. Minnick is in prison because he murdered a cop (whether real or not) Wood or self-defense.) Minnick possessed on computer systems and caused \$4000 of damage (who did it reflect that Chinese dude, and now he's a millionaire). If we can even think that these two cases are at all related? Minnick did something that really hurt an one and Minnick did something that affected the family of the cop, the police force, and probably a lot of other people. You do Minnick a disservice trying to make the two people, so sick in your little minds, and don't buy 2600 any more.

Darth Jampson
In case our response to that letter somehow was forwarded, we'll repeat the gist of it here. It's not so much the actual guilt or innocence but the fact that when you see the authorities abuse the truth and abuse the system or we have been with the Minnick case and where it becomes much easier to take other such cases seriously whenever those who never question the authorities would never consider this for a second. It seems quite apparent that there are more than a few representatives in the prosecution of the Minnick case, the next assumption of people around the world waiting for a new trial is something that should be taken seriously. And, for the record, Minnick remains in Apparent.

Dear 2600:
I happened to be in the parking lot of the Navy Hospital in Desautel, SC today and saw a car with a "Free Kevin" bumper sticker on it. I've been following the story since I first read it in 2600 and explained it all to my wife. We are both glad that it is winding down but are still argued over the treatment of him. I was just amazed that your concern is so far that bumper stickers turn up in the craziest places.

Also, in the 16:2 2600, ethan wrote about a secret in Frenzy 97. There is also one by Easel 97 for those of you who haven't registered yet. Go to line 45 and select it. Hit the tab key once. Then click [help] then About. Now hold down SHIFT ALT CTRL and click on Tech Support. There you are. Now you can explore all around and crash it out. If you go to the wall to the left of where you start and move up against it, then type FUDGE UP AOL. It will disappear, and you can continue up the path. If you make it outside, let us know what's out there. I keep falling off the damn ledge.

Spectability
Dear 2600:
I was glancing through some of amazon.com's more interesting books when I noticed a link at the bottom of the review writing the author to submit his comments. Curious, I followed it, wondering what kind of web-filter system they'd have to keep me or details from submitting some poor rants. As it turns out, they ask you once, politely, if you've indeed read the article, after which you're pretty much free to post whatever you want. I've currently "submitted" several books and I still cannot believe amazed by it. I said the I stick mainly with obscure historical and conspiracy books, but I haven't see anything stopping your readers from posting such manuscripts as "The First or The Coldest Waves of Bacteriophage" Never All That to do was find a book without an author review and go to it. As long as you stay within the rather loose submission guidelines, Amazon will post the most bizarre author comments. But you not to ring on a writer too much. These guys have to make a living too. Expect your comments to be posted in 5-7 days.

kipple

So he obviously right about the already well-known on Amazon. We were a bit skeptical at first so we decided to try it on one of our favorite sites. Within days, "How Do I Recover a Forgotten Password?" had our author's page reads attributed to the Amazon entry, no other contributing and anything that all around the world. We're curious what other odd results will pop up between now and the day Amazon makes up.

Dear 2600:

I was watching C-SPAN on Sept. 20th at about 8 pm, and Marc Dredge and Mike Kinsey (of state.com) were being interviewed by the show's usual guest, Brian Lamb. After his usual political conspiracy ranting, Dredge blurted out an attack on hackers, citing them as vamps. He used to get Mike Kinsey to join in, but he'd never done it. Dredge claims that it's "hackers" who messed up his wife's site (attributed to scandal, "yellow journalism," theft, harassment, and sexualization). He also glossed that he railed against hackers on a radio show (it is not sure if he was a guest or if he now has his own show). He also all but called them criminals.

I'm not shocked that an animal about the Dredge would then "hacker" is a person who acts as an illegal fashion. Now we I checked that he'd lump them all together. What does shock me is that he was stupid enough to challenge "hackers" in such his site again.

Jack O'Connell
Thank you for what we'd all find if he could be fixed as:

Dear 2600:

Recently, I was perusing my December 5, 1999 edition of the *Ottawa Standard*, the local paper for most of us in the Central Florida area. On page A 11, in the Open-Ed section, I learned that the Tribune Media Services had an article about how Wisconsin Chief Summer Residence said the news media was "being insensitive to Chinese and Cuban leaders." Mr. Pius was very sarcastic with all of this and then made a general apology to "All the nation's residents, drunken drivers, hackers, car-jackers, robbers, rapists, soldiers, murderers, and mobsters." He then goes on to say: "They just because they're in the court doesn't mean they don't have feelings." Now guess what group of people he mentioned that pissed me off the most. At the end of the article, the *Standard* says that "readers can contact Leonard Pius via e-mail at lp@tpm.com or by calling him toll-free at 1-800-457-3811." I encourage everyone with the time to contact him and explain in a mature and intelligent manner that hackers do not belong in the same category as rapists and murderers. If you can't explain your position to him without being a moron, don't e-mail or call him.

Dear 2600:

In the November 8, 1999 *Business Week*, page 6, I viewed an article entitled "The Last Justice American Style." Part of the slant reads: "Half of all Americans say that they would act on their own beliefs of right and

wrong...." Basically, nullification (which by itself might not be a bad thing), regardless of legal traditions in school with controversial issues, products, or services."

Madly interesting to be sure. The other reactions of the six previous justices would not be able to overcome as you might expect, white supremacists, gun manufacturers, tobacco companies, breast implant manufacturers, and HMOs were on this list — "a regular hacker" placed second, a mere 12 percent behind the white supremacist with tobacco, and eight percent above both breast implants and HMOs.

You're so right about the insanity of the country, by words inquiry. Kevin might be a hard luck story readers can connect with on an abstract level, but these kinds of surveys should wake the hacker community up to the fact that the public is now granting for you.

Edward Lebo
PSYCHOPATHS ARE

Dear 2600:

I work for a financial services company here in the UK. Recently I was part of an evaluation effort on a product called Session Wall. This is a straight scanning program that can take by contact type and other block log, or warn an admin of sites. The categories are as you would expect: Sex, Terrorism, and so on. One category which caught my eye was "Criminal or Subversive Content". The IT guy said that the settings for the blocked sites were to the product came out of the box. The only two sites listed as Subversive or Criminal were www.2600.com and www.hackintanuk.com. The sight you'd like to know.

Armed and Dangerous
Scotland

Dear 2600:

There's a simple bug in the proxy software we have running here at work and I'd guess that it's available in more proxy software. We're running a program called Cyber Patrol that can restrict access to web sites that are deemed inappropriate but it only matches a list of words, * strings and not IP addresses.

Any idiot can figure out that receiving the IP address and normally entering it in your web browser will still get you to the page (simply plug in your IP address and your IP address). A bug this large shouldn't be allowed in something that claims "Cyber Patrol is the latest in filtering software rated the best by educators, industry and leading magazines" (www.cyberpatrol.com).

Dear 2600:

If you go to www.myspace.com and get a trap by searching by area code and prefix, the site should be the location of the CID for the exchange. Seems to work in

most of the cases. It's very cool!

J. Arthur Ballbar
Los Angeles, CA

Hi found this to be amazingly accurate in just about every case we entered. What a great way to find the location of your central office!

Dear 2600:

Ya ever heard of www.hackintanuk.com? There's a thing I discovered in it where you can surf without the damn ads. Here's how: After you download the software and sign-up and still, just open up the program as usual, then wait until it loads completely. When you see "First Network" on the status bar, click it and select "Close". When it says "Disconnecting from First" it may take a few minutes or so something like that, press Ctrl-Alt-Del and select "Goodbye from First" and press "End Task". When the "End Task" prompt shows up, press "End Task" and voilà! The Internet connection stays and the ads go away.

I'm only eleven years old, by the way...

And already figuring out how to defeat commercial version of the net.

The High Cost of Learning

Dear 2600:

I found out how screwed up this world is over the course of two to three weeks. I minimized the window that comes up on boot up. The Internet went over to the computer and crashed out and rebooted it. Later in the day when I went back to the library, she pulled me aside and asked me why I messed up the computer. I was like what the hell. She threatened to give me two days of in school suspension if I didn't tell her what I did to mess the computers up. Also, my friend asked about Kevin Affnick and if they had any books about him. The librarian freaked again and made him walk through the little scanner thing two times and empty his pockets to make sure he didn't steal anything. The world has all the wrong ideas about us. I think it is right to think that we all have malicious intentions. What do you think about this?

Signaling words in schools.

Dear 2600:

I would like to add another incident to the ever growing "guilt by association" section. I was also caught in school reading your site when I got sent to the office for a lecture and separately marked as a computer nut. Then I was accused of stealing a Microsoft camera which they later discovered was the thing of someone else. Then I was accused of "backing" on a teacher's computer, when it didn't even have a modem. After that was told that I had "made an alien hard drive" on one of our Macs which was complete crap. I don't even know what the hell that is, if it's even an actual term or even possible. I have no experience with Macs whatsoever.

Yet I got banned from my computer lab and sentenced to a month of ISS (in school suspension). I strongly feel that because of the school's ignorant quality about my further education (you see, they don't let you out of ISS until you are completely caught up with your work and you've completed your term). I finished the grade because of that. After a rough start in the next year of high school I dropped out. I think that the whole Microsoft case has just quite a personal spell over many people. Seems as though the credits dropped the topic when the tables were turned. The government has made quite an example out of you. Is just around the corner.

Hietchano

Dear 2600:

Why are people so afraid of hackers? People in my school are afraid I'll do something to their credit or something, and I never even threatened any of them. I'm scaring to wash I did.

Understandably that you must wear the dark side.

Mysteria

Dear 2600:

In the UK beside my apartment complex there is a BellSouth building. I've never seen anyone go through the front door or come out of it, but I have seen a few people driving out of the back door gates in the evening. The building has no windows, flood lights on all sides, and the front door (which is glass) opens into a very small, empty room with another door. The second door is significantly heavier (wood or metal) with one of those swipe-card security boxes. There is no office or secretary, and I'm not sure why they even have a front door. What is this place? I imagined it was some sort of subscription thing but why does it look like a maximum security prison? What is so important inside that they have major tea to around? Are they just really paranoid about workaholics?

Edmond

This sounds like a virtual office where calls for the owner are routed. It would also be a real solution for preventing long distances. Since that's the heart of the phone system, the security is understandable. Many central offices have those days regular lines in the way of human presence which would explain why people are seldom around. You can use the method another reader submitted above for searching down your central office to see if that's what it is. If it isn't, keep asking questions until someone tells you. You know every right to know.

Dear 2600:

In the main library of my city, I saw that they changed the old Windows NT computers in computers from Sun Microsystems, naming Solaris. The interface looks ass and the keys are misplaced. I found out that if you press also and type anything you want, you'll get a grey screen that says: "Windows still in 'boot' mode?"

I wonder what is that?

Jack

From what we've told, she has something to do with the financial difficulties "Deborah Shaker" saw Gary Coleman has gotten into. Since he gets a royalty every time that line is used, his financial standing will soon be restored. Now Albany will receive a full every time you do that with the help of the secret decoder ring that comes with all upgrades.

Honored Hippie

Dear 2600:

In 163 Larson, ZARBYKA wrote about hidden text located at the top of Hernal's website. His assumption was that Microsoft was "withholding" information from viewers. That's not the case at all. What Microsoft was doing was attempting to improve their search engine listings, by changing to the level of a system.

Hidden text in web pages is fairly common practice, and it's done by changing the text color to the background color. The hidden text will usually have something to do with the topic of the page itself and advertisements. It'll be nothing more than large groups of similar words. The idea is to fool the page's content with extra instances of key words. In hopes of being listed higher in search results. Close in point, at Hernal, the hidden text looked about "Free Email (Electronic Mail) on the Internet".

You'll find the same phenomenon at most porn sites - visit any porn site and do a Search All. Chances are you'll find a huge string of hidden words, e.g. "sex this sex food" etc. The site's webmaster has placed these words on the page, saying that his site will be listed first when someone heads to Altavista and searches for something sexy.

Of course, what most webmasters obviously don't realize is that these search engine spamming tactics don't work. Search engines, for the most part, aren't run by robots and the folks who operate the major search engines are always installing new filters to combat spam. For example, most search engines now check for the presence of a BGGC/O/R tag in every page, and will ignore any text that's set to the background color. Some engines take this a step further and ignore text that's anywhere near the background, e.g. #FF00FF text on a #FFFFFF background would be ignored. Most search engines also filter out words which occur too often, large groups of words with no punctuation, etc.

You'd think that Microsoft of all companies would know that hidden text is the most outdated (and useless) trick in the book. Regardless, I guess what surprises me most is that Microsoft would even hear to spam the search engines like some shady porn site. As if there's a person on the planet who doesn't already know what HTML is - or where to find it.

Shamu
Memphis, TN

Retard Tips

Dear 2600:

I am sure you have all seen the credit card boxes in most stores. They have an LED message bar at the top, a numeric keypad, and a place to swipe the card. I have seen them almost everywhere, including Blockbuster, Wal-Mart, and Target. They are out on the checkout counter for all the patrons to use. The best of these machines is a single modern setup. Hmmmm, modern. The modern calls the store's system, whenever it may be, once a credit card is used.

Here's the kicker. The setup program for each machine is accessed through the credit card box. I found this out by accident one day while messing with the box in Blockbuster. After trying different key combinations, I was prompted with the setup options on the little green LED screen. I used the machine, and the system hung. The stores working there were like "What the fuck happened?" As it turned out, they apologized for a "power surge" (oh) and gave us our drinks for free!

So I know what you are thinking, "That's great, but how do I do it?" Well, the answer is simple. Every one of those machines is made by the same company, and therefore there is a default key sequence that will enter setup on most any machine. By default, no password is requested, however I have encountered machines with password protection (in Wal-Mart). To enter setup you must press the upper right and lower left keys simultaneously, then the lower right and upper left keys simultaneously. This should get you into setup on 90 percent of all boxes. If you find that the box is password protected, then it is the store number which is on all receipts. I have rarely encountered protected ones. Apparently, most stores think that all the protection they need is an obvious key sequence. Typical.

Once you are in, there are plenty of options, such as changing the number to dial, resetting the modem, setting the baud rate, and even better stuff. I am not killing you this, though, so that you can steal credit card numbers, this is to simply give you more knowledge. If you steal credit card numbers, you are releasing yourself on parole, and the hacker community, so don't. Have fun with this, and keep information free.

WIN1, AKA Yurba

That is an excellent example of what the hacker community already has. In the eyes of the government, there is no other use for this information except to commit a crime. There is nobody at our office who spent reading this did it voluntarily. I would love to see the knowledge that do my first one. It's not what you do with the knowledge that determines what kind of person you are. There are those who would already commit you for nothing as well, certainly they would consider us for selling the world. Paying around with such a device may get you too much but it's time now that curiosity and experimentation, both healthy things. Now, if you rig the thing to call a number and approve your fake credit card, you become a

boy as soon as you start reading. That defines where we are at the time, at the actual commission of a crime. Not the spreading of information, nor the showing, nor even the experimentation. Handcuffing and drug use easily defund just our entire world to modify the way we behave, using their definitions to encompass speech and simple minded. All this will accomplish is to create a whole new population of so-called criminals. Unfortunately, that server to be a growing trend.

Dear 2600:

Recently I was in Borders Books and I really wanted to get this Linux book with a three disc set but it cost 70 bucks. I only had 50 on me. It just so happened that there was an older edition of that book that was only 29.99. I swapped the price tags. What I want to do in the future is the help desk, even though better when the asked for 30 bucks. I started to get really nervous about this. I came back the next day and found another expensive book but this time switched the price tag with a book on a completely different subject. I went to the checkout and the help said it was the wrong tag and she had to look up the real price. A few days later I was at CompUSA and they had two versions of Visual C++; professional, which was \$450, and learning, which was \$80. I switched those tags and it worked.

SeniorPuro

Good one. Now try this. You can avoid the hassle of paying entirely by simply running out the door while holding the item you wish to take. This may result in loud noises, shouting people, and dozens of witness calls. We suggest experimenting as much as possible and keeping a log of what different stores do. And if by some bizarre twist of fate you wind up in a courtroom, show the judge this letter. They need to laugh too.

Dear 2600:

Couple addresses in Emily's letter about ATMs and OS/2 in 163. OS/2 is very widely used in banks. NationsBank and Bank of Boston being two of the biggest. In addition to banks, PDS systems use OS/2, as do the stores in his letter about Kinkos. Take a look next time you are at Ruby Tuesday or a bar with a touch screen system, and see how many times it'll be an OS/2 driven system.

retardware

Updates

Dear 2600:

This is in response to "The math name is NODDY" letter about the secret in www.whiskermain.com. There are other names that you can type in too. Just spread the source and it came up with these: god, shone, damn, wrong number, guns, mopeks, mrtly, aly, su, slink, agenthellena, crash, locks, mirror mirror, neo wulfen stea, SENTINEL, MEBICCADINEZZAR, SEN TINELLI, ARGENT00600, seal site credits.

KAOS

Dear 2600:

In response to a letter from Chari in 163, the newer version 3.0 of AIM will not let you have the address.com file and get away with it. I tried having it as usual. Then I saved it. When I changed up AIM and signed on, I noticed nothing had changed. I got back into the file editor and found that the original file was restored. I don't know if AOL needs 2600, but somehow they figured it out and found a way to check it. If anyone knows how to get around this, please let us know. Anyway, since reading that article, I've been leaving all my programs that have ads in them including Reno and Go2Tina.

Stefanie

Dear 2600:

Another Bell Atlantic update. Their recently upgraded voice mail has a special feature. Try dialing 7 or 9. This used to be used for moving back or forward through a message. Now when you press 7 or 9 you can hear parts of other people's messages. Messages that are from someone else's voice mail entirely. Another innovation brought to you from Bell Atlantic.

Laegle

We strongly suspect this was a temporary problem and that it was only in your area's system and not in every system at least not at the same time. However, if you see another reason why getting your mail through the phone company is a pretty dumb move.

Dear 2600:

To check your long distance carrier (most ATAs), you use, as always 1-700-555-4141. The new number to check your area's ATA carrier is 700-4141 (just the seven digits).

damiano

You can actually enter any four digits after the 700 for this new number. In addition, you can sometimes get some rather interesting results. In some cases we've heard an ID from NINEX, a company that hasn't existed since 1997.

Dear 2600:

A letter from Carl was published in 163 about a little string which will make a pop-up ad pop right back down again afterwards. Well, there's an easy way to keep the damn thing from popping up at all. The HTML job-script tag does what it says - it turns off scripts until the tag is undone (Unscripted). Well, since the pop-up ads are popped up by job-scripts, a well placed (Unscript) tag will keep the script from ever happening. For those who use Tripod, the script is automatically placed in the (Unscript) after if you use scripts later on in the page) will do the trick. Incidentally, no ad will pop up if you simply do not use a (Unscript) tag at all, but that's usually not practical. If you also use scripts in your (Unscript), it shouldn't be too hard to figure out where exactly the script goes, and place your (Unscript) and your scripts strategically. I think you can get a (Unscript) after the

(label), and then put your script, but I'm not sure.) For those of you unfortunate enough to be using Geocities, I believe the script is put at the very end of the page, so just skip it (a loop) at the end. Personally, I prefer to use the many free web space providers that are actually free, with no ad requirements or anything.

See Reinfeld

Dear 2600:

I am writing in response to the article in your last issue about hacking the game commander. (TV/games story box. Whoever wrote this ought to be shot for giving such little info.) I looked all over my apartment building's box for the manufacturer, but it wasn't displayed. Luckily, the box broke soon after the seal and a repair technician was dispatched. When he arrived, I went right up and asked him who manufactured the box. He also let me have a peek inside. He said it was the Service Systems, Inc. (SSI) Series. You can download information about these machines at www.service-systems.com. I found that it is rather simple to dial into these boxes if you set up your modem properly. You must use TV1911 emulation. No, all you Win 95 users, you can't use HyperTerminal. Get a real time prog. Set data bits and parity to 8N1. XON/XOFF, and the manual also says full duplex (DDX) but I didn't read that in mine. The final rule is tricky so you may need to experiment at different speeds starting from 14400 and working your way down until you get it right. The particular box I was dialing into gave up the handshake without any further configuration, but the notebook's manual I downloaded from the website states that some units are configured to require a handshake. Fortunately, the factory default is 000000. The handbook asks for pre-1994 models is 736839. There is no logging mechanism for dialin, so a late-night dialer force broken over several nights should work also. This same code can be used from the keyboard in the "Program mode." Just type "www" and then the six digit code. Once inside, there's not much to do. You can make the door open at certain times. If you want to change the clock time. Although it is pretty cool that instead of my last name, my friends have to scroll down to SATAN when they come over.

Wishing he was back in New York

Dear 2600:

Regarding the article on infiltrating MetaOne, if I may correct a few points... The biggest error is the password thing. MetaOne's default password is never "password" and if the tech that set this up set it to that, he's a moron and probably doesn't work there anymore. In my experience it's always been HSD that a random number, and I think they've changed it since then. Also, you can call tech support and change your password that way, not just through the web page. There also seems to be this strange idea that MetaOne doesn't like people naming Linux. They secretly don't care what you name, but the techs are only trained to do installations on Win-

dows and Macintosh systems. Once they have you can ping it and your Linux box, call up tech support, tell them your new name address, and you're good to go. But if you have a problem you're out of luck, because they don't support Linux, and also the box has to be locked up from hacker activity. They do make scans for open ports and potentially illegal activity. And lastly, the ports and the sharing thing is not valid. All modems have the ports for fast checked out and the only way to get them removed is to ask for them to be removed.

Suffer

Dear 2600:

In "Internet Radio," the issue recommends purchasing the Real Audio server to get the part it's running on. It would be a hell of a lot easier to just connect to the server instead - & then just use the connection you're looking for. The single connection would look a heckuva lot less suspicious than an entire portscan on a 2000 port range. (By the way, I've found many servers on port 2020.)

endless

Dear 2600:

I just wanted to add a little bit of info to ALDO99's mod/hack/trace Publisher's note. First, there are a few different versions of modding, and if you're doing that, bring an older one, you'll find more server games don't work. The latest version uses the Stealth program, which is only detected by the newer Japanese games and is very few credible American releases. So the stealth modding is perfectly viable right now. I own one. The Japanese version of FPS detects the stealth modding, but Square (good guys, they) removed it for the American release. My guess is they realized they'd be locking out a good portion of their audience.

If you're a game you want to play detects a modding, you can either use a game emulator code that fools the modding detection used in the game, or apply a simple patch to the ISO image you're copying. There can be found all over the net, and are mainly for PAL/NTSC conversions. A note about using game emulators exclusively instead of modders, though: I've read that you cannot use them to play multi disc games. A second note: modding burners can be made for less than \$50 and the software is freely available. I recommend going this route if you're in for a challenge. If not, I bought my modding from www.gametrace.com and am completely satisfied.

On the complete opposite end of the spectrum now, I'm interested in the Air Force, and they have TDEAFIRST in buildings and computer systems that deal with classified information. However, we aren't talking about anything other than the fact that it exists. I don't work around anything classified (tech, or so I'm led to believe), so snooping around probably wouldn't do any good. But I certainly will write if something interesting ever pops up.

DL

Dear 2600:

I must have had a slip of the fingers in my letter to you. The phone test number in Long Beach, CA is 110 (not 1170 like I wrote). Did it wait a moment, and a voice will come on the line saying something like "Three-er Test..." and then give you a verbal menu of all the ways you can do by passing the numbers (if a long list).

SAR

Dear 2600:

Hey, remember that trick for E-mail where you could get into someone's account if they were logged in? I almost find it immediately but there is another way. However, it is hard to implement. You need netbios or some other remote admin tool where you can get a session dump. When you are logged into Windows, you will notice in the Accession box a bunch of gibberish. If you can get a session dump while your victim is logged in to their account, and you type the gibberish into your Accession box, you can get into their account as long as they are logged in!

Hidden101

Otherwise known as jumping through hoops.

Dear 2600:

In response to your 151 article "Hacking a Sony Playstation" and the letter from me in 162, I would like to follow up. First, if you look on the bottom of your PSX in the top right corner of the label, you will find the model series. The Playstation has evolved throughout the years - from changing the position of the laser, changing the writing on the bottom etc. - but in essence it is still the same (although the 1000 series is supposed to be slightly different). I myself own the grand owner of a 1002 model. However, onto the point. The late 7000's and the 9000's have, as many said a steel case over where the mod chip would go, but all the models (even my 1002) have a parallel port, where I stick my "GameRevealer." This lets me play imports, copies, and Camelot discs. Very useful. I got mine for 315 pounds (yes, England). Another method to playing imports send backups is the disc swap. Press Open, and find the button at the back that detects the cover is shut, then stick in a patch that links it to the copy and work. Now stick in a regular game, wait for the piracy screen, then rip it out and stick in a copy/import. This is risky though, you have to rip out the game while it is spinning, and I will take an responsibility if you screw up. On a side note, if you own a 1000 and the laser has patched in, or you notice decreased performance, run the Playstation update down. May sound crazy, but it works.

CSS

Suggestions

Dear 2600:

As I was reading your magazine, the other day I remembered the U.S. Navy Seals and everything they do

for us. Please have a section, becoming the U.S. Navy Seals. Thank you.

Black Knight

Hey if anyone's worried (sorry to hear if you will as how it had me worried) won't you...

Dear 2600:

I don't know if you are in a position to answer this but I thought I would give it a try. I am completely fed up with role people and their cell phones. Especially people who can't resist answering and talking on them in movie theaters, restaurants, etc. An inability to drive and talk at the same time is also high on my list. I was hoping to find plans for a box that would automatically disconnect cell phones or cause so much static that the owners could not use them. Given my limited understanding of how cell phones work I suggest the easiest option would be to create a great deal of static by transmitting noise across the correct frequency range. Modding them call boxes and adding up various devices several times before they give up would be very satisfying. Even better would be the ability to make it ring again and again until they run it off that I'm fairly sure that is not possible.

Ross

Dear 2600:

I just picked up your Fall '99 issue a couple of days ago. Great stuff. I always get excited when I peruse through your mag and find code, especially socket code. I'm a beginner socket programmer, and any articles that have code in them really help me out (the socket programming articles in 153 and 163 got me started). If I could just ask one thing of people who submit source code for their articles, if it's so please, please, add comments to your code. You may be able to understand it, but others may not. Thanks again, and keep up the good work!

streetbox

Ripoff

Dear 2600:

On this month's telephone statement (Bill Atlantic) I noticed there was a \$5 charge for switching long-distance carriers. The switch was from MCI WorldCom, set down in Denver, to WorldCom Inc., with an address in San Antonio. As we know, these companies are now the same company.

I called to complain, received a nice and polite, of course. But I wonder how many MCI WorldCom customers will be killed for a non-existent switch to WorldCom and pay, not noticing the problem.

Larry

Observations

Dear 2600:

I'm not sure if you've gotten letters like this before, but I thought this might be of interest. I've noticed a link

continued on 48

HOW TO CREATE NEW URBAN LEGENDS

by Jim Johnston

Urban legends are fantastic stories people tell each other. They hear the story from a friend, who heard it from someone else, and so on. The result is the same as playing that kid's game of telephone: the stories evolve, often becoming funnier, scarier, or sicker. They also take on local characteristics, sometimes naming local streets or cities or even names of people. And, of course, they become impossible to verify.

The growth of the Internet has provided an ideal medium for the transfer of urban legends. They can now be e-mailed to people around the world quickly and easily.

Common Characteristics of

Urban Legends

Many urban legends contain similar characteristics. Usually they have a moral to tell. "Don't do this" or "Watch out for this." Many e-mailed legends coerce people into reading them upwards, often by using guilt or appealing to a sense of ethics. Some legends are downright gruesome. They tap into our subconscious fears causing us to exclaim, "I knew it!" Other urban legends concern subtle and overt humor. (Take the story of the woman who found a stray dog in New York City. She took it to her home, fed it, washed it, bought it a flea collar, and took it to the vet. The vet examined it and told the woman she had actually caught an oversized wharf rat.)

Three New Urban Stories

The Excited Chiropractor

This happened to my friend's chiropractor instructor at a college in Vancouver, BC. He said that one day during class the president of the college walked in and announced that the professor had been promoted to head of the department. Everybody clapped and congratulated the beaming man. Later that night when he went home and announced his good fortune to his family he was so excited that he gave

his five year old son a big bear hug. He heard a terrible cracking and the boy was rushed to Vancouver Public General Hospital. The x-rays revealed that the boy had fractured three lower lumbar. (A broken back.) Not only did the chiropractor instructor not accept his new promotion, the next day he tearfully announced to the class that he was resigning immediately.

Analyst: Any story where a kid dies or is hurt gets passed around by parents. This story works because it's ironic. It's a chiropractor of all people who broke his kid's back. He goes from being on top of the world to resigning in disgrace, all in one day. The story also plays on people's fears about cracking backs. Every story needs a hook that makes people pass it around.

Moral: Don't hug people too hard, especially if you are a chiropractor who just got a promotion.

The Miracle Diet

My aunt's friend worked with a woman who was always trying these "miracle" diets. One day she came across a small classified ad for a revolutionary pill that guaranteed rapid weight loss. She paid and was sent the pills in the mail about a week later. To her delight she started losing weight. Slowly at first then faster and faster. She went from 200 pounds to 125. Unfortunately, by the third month, she was feeling more and more nauseous. One day her doctor took some x-rays of her intestines and found a three-foot tapeworm growing inside her! The diet company had sent her a pill infested with tapeworm eggs. She was given anthelmintics, a drug that kills worms, and put on a diet high in iron salts. The salt caused her to gain all her weight back, and she ballooned again to 215 pounds.

Analyst: Have you ever imagined what it would be like to have a three-foot worm attached to your insides, slurping up all the food you just digested? You probably have. I just took

this fast and exorcised it. To add some humor, I made the woman gain all the weight back as punishment for her being so glibly misled.

Moral: Don't try miracle pills or crash diets. Also notice how I used the word anthelmintics. Using jargon makes your story more believable. (I also used jargon in the chiropractor story with lumbar.)

Man Dies Proving Internet is

Safe for Children

AP - Jesse Solomon, 55, died yesterday after a bomb that he was building exploded in his arms near Flagstaff, Arizona. Solomon was apparently proving to a friend that the Internet did not provide dangerous information about how to construct bombs, Molotov cocktails, and poisonous substances.

Jesse Riggs, Solomon's friend, said the two had been arguing the week before about the dangers of the Internet. "I told him that children could find stuff that would do a lot of damage. I said the net should be more regulated." According to Riggs, Solomon disagreed. "I downloaded a text file about how to use household chemicals to make a bomb right in your kitchen," said Riggs. When he showed Solomon the information, Solomon denied that the recipe would work. "He called it a hoax and an urban legend and said that he would prove it to me."

The next day Riggs was phoned by Flagstaff police and asked to identify the body of his friend. Constable Samantha Heathens said that an ambulance was called to Solomon's residence after neighbors complained of an explosion. Police found remnants of a makeshift bomb and evacuated two nearby apartment buildings. Solomon was taken to Hotel Dieu Hospital but was pronounced dead on arrival.

"He was trying to prove to his friend that the instructions for making the bomb were bogus," said Heathens. "People should be very cautious about what they receive on the Internet," she added. The police are still investigating the incident.

Analyst: You will notice right away that I made this story sound like a news report. Don't be afraid to try different styles. In this case, a news report adds

credibility to an otherwise unbelievable story. Again, I used humor and irony as the catch. The big thing going for this tale is that it panders to society's fears of technology.

Moral: The Internet is evil.

Creating your Own Legend

Watch out. Some people will be upset as you far creating yet another urban legend that circulates through society. There is a mass movement on the Internet of people dedicated to debunking urban legends (see Barb Misketson's website - www.snopes.com and the Computer Virus Myth's page - kermite.com/myths/). They think we waste our time passing on useless stories or hoaxes - it's also annoying logging on to your e-mail account to 50 messages, half of them silly stories that have been forwarded to hundreds of people before you. Then again, almost everybody enjoys a good tale.

Generally, folklorists don't think it's possible for people to make up an urban legend. Jan Harold Brunvand, author of several popular books on urban legends, believes that true legends develop from people changing details of a story until the story develops its own oral tradition. Scholars call this process communal re-creation. But if your story is clever enough, it might get e-mailed to hundreds of different people and develop its own tradition.

Okay, so how do we do it? Just think of a good story. Make it funny, disgusting, not too unbelievable, and perhaps add a moral. Say that it happened to your friend's mother's dentist. Keep it local, use street names if possible. I strongly suggest that you don't make it cute and cuddly. There is nothing more annoying than reading about some women who met the man of her dreams and blish blah blah. Keep it vicious and satirical - for entertainment purposes! Feel free to use the ones I just made up or change them to your liking. Once they're out there, you can forget about copyright or anything like that. They are in the public domain. Just remember that by creating urban stories (they're not legends yet!), you're not exactly making the world a better place to live.

FD-204 (Rev. 10-6-95)

FD-204 (Rev. 10-6-95)

FD No. 752

FD No. 752

Middle Island, NY 11953

PCL LDMKPC

REGISTRATION

REGISTRATION

DATE

Mittie, Kevin

84950-012

10/1/99.

Name of Buyer

You worked with your assignor's group or department that cannot be listed in the Bureau.

Do you have a personal interest in the property referred to?

You worked with your assignor's group or department that cannot be listed in the Bureau.

Do you have a personal interest in the property referred to?

You received with your assignor's group or department that cannot be listed in the Bureau.

Do you have a personal interest in the property referred to?

You received with your assignor's group or department that cannot be listed in the Bureau.

Do you have a personal interest in the property referred to?

You received with your assignor's group or department that cannot be listed in the Bureau.

Do you have a personal interest in the property referred to?

You received with your assignor's group or department that cannot be listed in the Bureau.

Do you have a personal interest in the property referred to?

You received with your assignor's group or department that cannot be listed in the Bureau.

Do you have a personal interest in the property referred to?

The assignor's or later, has, however, been provided to the Bureau with a copy of the code.

Specific Material Returned

2" of return, web-site material printed in code.

Printed Name and Title of Agent of Law Firm

J. W. WEAVER, Esq.

DISTRIBUTION:

Original - Assignor with stamp

Copy - Bureau

File - Mid Point File

Control - Control File



NOV 2000

While we managed to suppress the urge to send body hair and plant shavings, we just couldn't resist sending two inches "of internet, web-site material printed in code." That happened to be Kevin's e-mail that we've been sending him for years which has helped to keep him sane all this time. To these people, anything they don't understand could be considered a "code" which pretty much includes it all.

Hacking Explorer [the car]

by Bob

Since I only have my own vehicle I can't be sure if this will work on earlier/later Explorers or any of Ford's other vehicles with keyless entry systems.

Entry

Given that the Explorer in question has a keypad entry system let's begin. The numbers on the keypad will range from 1 to 0 grouped in pairs of two. For instance: (1-2) (3-4) (5-6) (7-8) (9-0). These keypads come preset with a five digit permanent code, which you can change if you so please. Unfortunately the permanent code still stays in memory. I've learned that you can hit any amount of numbers beforehand as long as you get the code in the right order. So you can pretty much punch random numbers without stopping for any length of time and not set off alarms, and still be allowed entry if you get the code in the right order. Also, hitting the (3-4) button after the code has been entered and the driver's side door unlocked (it does this automatically when the code is punched in) will unlock all the doors. Turning the key twice within four seconds in any of the car's locks also has this effect.

Getting the Code

Ford is very stupid if the following is true. The nature of the last three digits of my entry code "911," made me think that Ford may actually preset their numbers to have this as the last three digits so that it will be easy to remember. If this is so then "XX911," where "XX" is any two number combination, would be the format to use in hacking the code. This will greatly reduce the hacking time. If this is not the case then the fact that you can just keep pressing buttons randomly until it unlocks, instead of having to wait five seconds before trying

again, makes Ford seem rather stupid as well.

Now What

Now that you have the code you get to decide what to do with it. You could change the code on the door, but that's useless because you can still use the permanent code. Nevertheless, here is how to go about adding your own personal code (useful for disabling your power over a friend).

Enter the permanent code. Within five seconds press the (1-2) button. Within five seconds of that, enter the new code. To erase a personal code, repeat steps 1 and 2 but skip step 3 (wait six seconds).

The car's alarm system (if equipped) can be armed from the keypad by pressing (7-8) (9-0) and disarmed by simply entering the code. The Autolock feature (if you or your friend is cheap) can also be disabled and re-enabled using the keypad. Just enter the permanent code (not the user set code) and within five seconds hold the (7-8) button and then within five more seconds press and release the (3-4) button. (Yes, you can't be go of the (7-8) button - you just have to stand there and look stupid.)

Just for Fun

Even without the entry code you can still lock all the doors on the car by holding in the (7-8) and (9-0) buttons at the same time. You can also see your friend's seat (if equipped) go all the way forward (if they are tall) or all the way back (if they are short). First, turn the car on. Then move the seat to the desired position. Press the set button, the light will come on. While the light is on, press control 1.

And while you're plunking with your friend's car, make sure you sleep a "Free Kevin" bumper sticker on the back too. Have fun!

Net Nanny Nonsense

by Raz

Net Nanny is one of those many Internet "parental" programs for Windows that is designed to allow parents to monitor and restrict their children's computer usage, and children are pretty much the only people who will be restricted with this. This program is so readily made I don't know where to start. So I'll just walk you through a few.

Internet Monitoring

Net Nanny is supposed to watch web browsers, and any other programs parents define, for any content that is deemed objectionable. It has a list of web sites, newsgroups, and search engines that it blocks too, plus the parent can add keywords for some. First of all, as of Net Nanny 3.10, it doesn't even work with Netscape 4.5 or higher, so if you plan on using it, don't even think twice about this program. It doesn't, however, work Internet Explorer (found a way around it).

Getting into Net Nanny

If the default installation settings were used, Net Nanny will be in *C:\Nanny* and it will be shown on the desktop and in the Start menu. You can run Net Nanny, then it will prompt you for a password. Type it as strong and it goes into the log. In case you forget it was installed, you will find six programs (one of them is one to uninstall, one to remove the program, and the search, help files, readers, etc, and then some files created by Net Nanny in *run*. After a little experimentation and time savings, I found that *Win32dex* is the best option to find it. It contains all the bits of words or files to look for, user names, their passwords, and the administrator password. Oh oh, I accidentally deleted it with Net Nanny, now such a computer, at least one out of the 50 percent of secure net. Net Nanny is user-friendly, but when it is terminated or asked for a password it will not give the answer, and ask you if you would like to set a new one. Save you words.

That will work for getting into Net Nanny in administration. If you just want to browse the web without being restricted or lagged, just do the old Ctrl-Alt-Del and close the program started *Win32dex*. Also, by simply monitoring or deleting *Win32dex* from the Net Nanny folder, it stops Net Nanny from blocking or logging any Internet connections, be it web sites or the channels or whatever.

This all could be done for some people - just delete the file or close the program and you're done. But others of you out there may want to be a little more discreet about your computer usage, or actually change the Net Nanny settings. First, I suggest copying *Win32dex* to another folder. This is the log file, and keeps track of everything relating to the Net Nanny program with time stamps. Now, there are a few ways to get into the Net Nanny program. The better way is to move the file *Win32dex* somewhere else, then start Net Nanny. Then make a password and call. Move the file *Win32dex* and so it will open again, but this time with a different password of the same length. Now you have two *Win32dex* files of the same size, each with a different password. Everything

while the file is encrypted, so you can't just open it up and change the password. But, if you open up the two files in a comparison program, you can see where in the file the difference is, this will point to the file the password is kept in. Once you know where it is, you can open up the original *Win32dex* in a hex editor, go to that point, and replace it with the same part of one of the other files. You now have a copy of *Win32dex* with the original settings, but a different password. And now it back in the Net Nanny folder and you're all done. It would probably be best to also keep a copy of the original file, so you can replace it in your parent's or whoever administers it has to get into it.

An easier, and probably the best way, to get into Net Nanny would be to move *Win32dex* somewhere, start Net Nanny, and make a new password. Now you have two *Win32dex* files, one for your use, and one for the person who doesn't try to control. You could just switch them whenever you want to use it, and then change it back when you're done. Easy, this is the best way because you can control it in your liking, but still easily change it back when needed.

By far the easiest way to take control of Net Nanny is to just uninstall it. If you don't have the disk your parent used to install it, you can just go to your nearest computer store and download their 30-day no-honorary-kill Net Nanny crash consisting back to the original so it's just like when your parent first installed it.

Surveillance Programs in General

I did not intend this article to be solely about Net Nanny. It is by far the worst of these types of programs I have seen. I really just wanted to give people as idea of how it worked, and perhaps other programs out there of the same type. There are some things that will work with any of these programs, simply because they rely on human mistakes instead of the program's faults.

A trick that you can use to make your parent see it to open up the administrator program is a hex editor and change *Win32dex* to "05", "Enabled" to "05", and vice versa, then they open up the program and see that it's disabled, or they might try to run it on, not knowing the difference actually disabling it. So this another good one. Another program that will work is to point to the screen that the monitoring program is in sections *run*, and follow to the *run* section, which will probably lead to hard drive failure (because the program does these things). Finally, the disclaimer in the agreement has a key logger hidden in the background *win* and you the password the next time someone tries to get into the program.

If you do find that whatever program your system is running has a main file where it keeps all its information, and if you get into the program and change the settings and/or password, you should copy it somewhere else and set your system to copy it to the program's folder at startup. This will insure that your settings will always be there, unaltered, (good luck).

Why Redboxing Doesn't Work

by The Prophet

To understand why redboxing doesn't work, it is important to understand why it did at one point to work (and still does in some areas), and to understand the various types of payphones and toll collecting systems.

There are two major types of payphones. Standard for-profit payphones utilize a ground start and ACTS toll collection mechanism, and are usually operated by the incumbent local exchange carrier (ILEC) in any given area. Examples of ILECs are USWest, GTE, Pacific Bell, etc. Such payphones are usually manufactured by Western Electric or GTE, although in Alaska and Canada you still find some old brown post-pay Northern Telecom payphones. COCOTS (Customer Owned Coin Operated Telephones) are operated primarily by private payphone owners. However, ILECs operate COCOT-type payphones of this type. BellSouth's operations in southern Florida are an excellent example of this. The primary difference between a "standard" payphone and a COCOT-type payphone is that with a "standard" phone, toll collection and verification is based in the central office. With a COCOT-type phone, it is handled by the telephone itself. This is a very important distinction, which you will appreciate later. There is another type of for-profit phone, which is post-pay. You see these only rarely used in some parts of Canada, remote areas of the US, and in Alaska. I won't go into how post-pay phones work, since they're so rarely seen.

Let's briefly consider how a standard for-profit payphone works. To make a local call on a standard payphone, you insert the amount of money required. In this area, it's 35 cents. After you deposit 35 cents, the payphone grounds itself. This "ground start" indicates to the central office that the proper amount of money has been paid and the central office lets the call go through. If you didn't put in the correct amount of money, then you'll be routed to a recording instructing you to deposit 35 cents before making your call. Because the ground start mechanism is not de-

pendent on any tones, you cannot redbox local calls - unless you route them through a long distance carrier. Sometimes this is possible, by dialing a carrier access code before your local call. As an interesting sidenote, residential phones don't have a ground start mechanism, which can create very amusing results if their line class is inadvertently changed to that of a payphone.

Long distance calls are a little more complicated. It costs less money to call Portland, OR (503) from Seattle than it does to call Gardner, Newfoundland (709) from Seattle. About \$3 less for the first three minutes. In fact, additionally, toll rates are not flat, and they vary by time of day. Clearly, a ground start mechanism isn't a good way to bill such calls. You can only set one fixed amount for ground start calls, and you can't easily limit the time, either. Recognizing this, payphones are equipped with a tone generator which plays an appropriate pulse to indicate line type and quantity of coin you've dropped in.

It used to be that when you placed a long distance call, an operator would come on, inform you of the charge, and then would listen to and write down every coin that you dropped into the phone (there is one pulse for a nickel, two pulses for a dime, and five pulses for a quarter, which is how the operator could tell what you were depositing). She would proceed to connect your call upon your deposit of the correct amount, and would either collect the balance at the end of the call, or would break in every few minutes to get you to deposit more money. But with the golden age of layoffs and computerization, ACTS was born. ACTS stands for Automated Coin Toll System. It does the job of an operator by listening to the tones generated by the payphone when you deposit coins and tallying them appropriately. However, it's a computer and is not as smart as an operator. This is where redboxes come into play.

A redbox is, quite simply, a device which generates the same coin deposit tones - and loosely the same

Spoofting Call Waiting ID

by Lucky225

Lucky225@hotmail.com

In this article I will explain how Caller ID on Call Waiting (Call Waiting ID) works and how it is possible to display messages on Caller ID equipment.

How It Works

When you have call waiting, you will notice that you hear two tones if you have Call Waiting ID. The first is the Subscriber Alert Signal (SAS or "call waiting beep") tone. This is just your normal call waiting beep (440hz for 30secs). The second tone is a CAS (CPE Alert Signal) tone. This is a short 80ms DTMF tone of 2130x2750hz. This tone alerts the CPE (Customer Premise Equipment) in other words, the Caller ID box that there is a call waiting tone. The CPE then routes the handset and sends an acknowledgment tone (DTMF "A" or "D" tone) to the central office to tell the CO that it is OK to send Caller ID information. Next, the central office sends out Caller ID information in FSK format. The name and number are displayed on the CPE and the CPE unmutes the handset.

Spoofting

To send a fake message to be displayed on the Caller ID box you will need a recording of an FSK transmission. We are currently working on a program that will create an audio file with whatever information you want. If you would like to help please e-mail me. In the meantime you can do the following: Order Call Waiting ID or go to a friend's house who has it. Call your phone when it's in use so you get a call waiting beep. Make sure there are no CPE's on the line. When you hear the CAS tone send an acknowledgment tone back and the central office will send the FSK signal over the line. Record this with a micro-recorder or some other recording device. Once you have your FSK recorded call the person you want to put the CID message on and play a CAS tone. You'll hear his CPE chirp back with an acknowledgment tone. Then play your recording of the FSK signal. If you did it fast enough the information will show up on his caller ID screen.

Obtaining Tones

You can make an orange box (CAS tone generator) by modifying a tone dialer just take out the 3.5kHz crystal and put in an 8.16kHz crystal and the star button will create a CAS tone. You can make acknowledgment tones by creating a silver box (distant seazy found on the Internet).

When you have call waiting, you will notice that you hear two tones if you have Call Waiting ID. The first is the Subscriber Alert Signal (SAS or "call waiting beep") tone. This is just your normal call waiting beep (440hz for 30secs). The second tone is a CAS (CPE Alert Signal) tone. This is a short 80ms DTMF tone of 2130x2750hz. This tone alerts the CPE (Customer Premise Equipment) in other words, the Caller ID box that there is a call waiting tone. The CPE then routes the handset and sends an acknowledgment tone (DTMF "A" or "D" tone) to the central office to tell the CO that it is OK to send Caller ID information. Next, the central office sends out Caller ID information in FSK format. The name and number are displayed on the CPE and the CPE unmutes the handset.

The Sprint Integrated On-demand Network (ION)

by Prototype Zero

prototyped@collegeclub.com

Recently I happened upon a lot of information on Sprint's new ION technology. I decided to share this info with my community. ION

stands for Integrated On-demand Network. The basic idea of ION is to provide customers with unlimited numbers of phone lines, etc. The system works by dynamically allocating bandwidth to the places it is needed. You can pick up another extension in your home and link in to a conversation already going on, or make another call as if you had two phone lines, or more. No problems with paying for extra lines for your modem, fax, etc. You pay Sprint monthly by how much bandwidth you consumed. That could get pricey. Not to mention you could be constantly connected to the Internet as if through a T1.

Sprint has teamed up with Bellcore and Cisco, and are planning to sell their equipment through Radio Shack, who already carries a wide variety of Sprint products. Believe it or not, the central software framework for ION's network, in addition to providing consultant services to ensure reliability of the new network. Cisco will provide critical hardware for the system, both in the CO and the home/business. They will also provide the ability of voice over Asynchronous Transfer Mode (ATM) and the ability to connect to other carriers' legacy circuit-switched networks. Several companies have committed to using ION, including Coastal States Management, Ernst & Young LLP, Hallmark, Silicon Graphics, and Tandy. (Hey, remember back in the 80's when McDonalds volunteered to test ISDN?) The city-wide networks were deployed to the best of my knowledge last fall in: Chicago, Atlanta, Dallas, Houston, Kansas City, Denver, and New York. The reason these

cities were chosen as the initial city networks was because of the existing conditions resident in each of them, including broadband MANs (Metropolitan Area Network) and strong customer bases. Sprint claims its ION lines can carry as many calls as Sprint, AT&T, and MCI currently carry put together. Mhmmmm....

Here's how it works: The nationwide Sprint Fiber-optic network is connected to service nodes which in turn connect to the MANs. The fiber-optic network is connected to the Internet and other data networks. The MANs connect homes and small and large businesses all over the city. Every residence/business would have a central hub which connects them to the MAN. A diagram provided by Sprint shows a home having a fax machine, a computer, and a phone line connected to a hub which has a direct line to the MAN. The general layout of the network is a star topology, with the fiber-optic network at the center.

The Future

We can only wait to find out the future of this emerging technology. I will write another article on the possible hackability of ION when the technology becomes more commonplace (especially when I get to use it). The idea of an extremely Wide Area Network sounds very interesting (hmm, how 'bout that Network Neighborhood?). and if the network becomes a commonplace technology, it's our job to find out all about it. It would seem slightly scary to have your phone/fax/modem all hooked into the same line and controlled by the telco. Would you have a choice of ISPs? What are the possibilities for wiretapping? Or packet sniffing? We'll see soon.

My thanks to Vegeta25 for getting me a lot of info on ION, Showstopper, Clavette, and Crutchenman for reviewing the article.

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which is the electronic "push" screen" tells machines at Citibank. If you go to a vacant machine and look down at the screen, you will see a prompt to put in your card. Start pushing at random places on the screen. You will notice that they all make the same low beeping noise. However, if you push in the upper right corner of the screen, you will hear a slightly higher pitched beep. Once you've heard the sound, respond the pushing twice. Then get away. A new screen will pop up asking for the user ID at a Citibank card. Even if someone tries to do this, nothing will work. Instead, the machines will freeze and make more beeps. Start the shift out of any unsuspecting person. Luckily, though, after about 30 seconds of the "freeze," everything will return to normal. Just a fun little thing I like to do at Citibank.

enochloids
No published this a few years back already. It's not a glitch but a feature for the visually impaired. It works quite well too. But you need to enter numbers in a slightly different manner. It's fun to figure out so we won't yell the feature here. When you successfully complete a transaction, you get victory music. Different music follows all features as well as all menus. Many an afternoon one the screen repeatedly giving a row of ATMs into the mode and keeping the display music. Approximately 80% does the trick in the realm of confused bankers.

Dear 2600:
I don't know if this is common knowledge but here goes anyway. I recently got a Nokia 6155 and was moving about the web looking for interesting information on my new phone. I found a review which makes reference to a string that would get you into the lock test mode of the phone. I tried it out and lo and behold it works. I was a bit more than a little leagle for the field test mode. Here is where the fun starts. The 6155 has two different codes you can study, a lock code and a security code. The lock code is used to lock your phone, meaning that a locked phone will prompt you for the code if you try to make a call, get into the address book, etc. The security code is used to give you access to various user option settings.

- Try this with your own Nokia 6155:
- 1) Make sure "Phone Lock" is on by going to Menu/Settings/Security settings/Access codes/Phone lock and selecting on.
 - 2) Turn your phone off.
 - 3) Turn your phone back on. It should say "Phone locked" at the bottom of the display above "Menu" and "Name".
 - 4) Selecting "Menu" will trigger the prompt for the lock code.
 - 5) Say you forget your lock code and you continue to get it wrong when prompted. After the five incorrect attempts you will be prompted for your security code. You forget that too? Never fear!
 - 6) Key "back" from the prompt for the security

code. You should be back at the main screen.

- 7) Enter the following string: *3001*12345#
- 8) A nice hidden menu will appear with lots of things to look at. We are really interested in the "Security" item so select it.
- 9) What you see looking at it is the current security code for the phone. You can change it or merely memorize it once and for all.
- 10) Turn the phone off and then back on again.
- 11) When prompted, incorrectly enter the lock code five times.
- 12) When the prompt for the security code comes up, enter the security code.
- 13) The phone is now unlocked and ready for full use.

If none of this worked then you are either doing something wrong, have a different (future) version of the software, or are simply using a different phone. I hope Nokia, Sprint, or whoever is responsible plans to offer a software upgrade that removes this lock down. Looking your phone is pretty much meaningless so be careful out there. As a side note, this should also work with the 6158 although I have not tried it.

Dear 2600:
Just recently, I was exploring the plethora of channels on Cox Base Cable in South Orange County, CA and I stumbled upon something rather interesting. On channel 117, there was some sort of service line-graph monitor on. No sound, no nothing, just this moving line graph. It looked like the wave sort of computerized system-graph program. I turned on the same channel several hours later and it looked like the same pattern. Probably looped. The same oscillated lines over and over. But every day the loop changes. Did I like to learn about the computer that puts this through the broadcasting network. What organization would be broadcasting such a thing? Why? Why would it be just a looped pattern of wavy lines? Would you have any idea what this is?

Short Column
We've received a similar channel that only when a TV is hooked up without a cable box. Might be a good idea to tape this channel and see when the change occurs. Might also be a good idea to call the cable company and demand to know why there's an often over-night on one of their channels. Something odder as our cable restriction numbers will be willing to talk about this over on just any board.

Dear 2600:
I've had my Quidslam (QCR-2700) phone for over two years. Twice I've had the software upgraded and now have BHS 1.09, 99L 2.51 installed. Millions of these units are in circulation (under different names) and I would like to share what I know, in hopes that someone will write additional information.

If you turn the phone on, press 111111 (six times), then push the select key. You will go into a diagnostics

mode. The screen displays 1) Version 2) Programming 3) Field Debug.

- In order to go into Programming or Field Debug, you have to enter a password. I have discovered the default password for the Field Debug screen is 000793 (or 040793D). This won't work to get into Programming mode.
- Once in DFBI6 mode, there are more options: 1) Debug QNC (2); 2) Screen (Changes screen display into Hex values); 3) Test Call.
- Test calls is what I am curious about. Once in DFBI6 mode, I have options to make the following types of call: QMS/Melkon, New/R/Melkon, New/S/Melkon, 13R Larp/Cole, St/Loopback with an option below that says Start Call. Does anyone know what a Marlow type call or Loopback type call is?
- Every time I ask someone or Sprint (my PCS provider) or the people at Quidslam, I get told to stay out of diagnostics mode or I might have to bring in my phone for reprogramming. Why do I have passwords on my own phone anyway? Isn't it my phone? Am I paying a license fee or do I not own my own phone?

Sharon
As interesting phenomena never play with some answer (not) or method it or something) when in that mode. On one of the test calls, the phone will make the last number it dial without letting you on the screen. That phone will ring and the person who picks up will hear a somewhat ringed that sounds like 8202. No 663. And as for the screen setting, you will also see things in there like signal strength and temperature indicators.

Dear 2600:
I'm not your standard paranoid guy, but what's happened in me seems remarkably odd.

I recently got to college and noticed that I was behind a set of firewalls. We get laptops that we set up in our previous in an auto configuration script for Netscape. Before that setup process for Outlook on my computer I had wanted to check e-mail to paid accounts that are outside the firewall. In order to do so without knowledge of the proxy servers I decided to use Netscape and sign up for a Yahoo account (you can check posts accounts with it). What happened next was what seems so odd.

While signing up for a Yahoo account, they requested that I fill out a form that includes a general question that is used for receiving a forgotten password. They automatically suggest a question, and an answer. This question and answer fit very close to mine.

The suggested question was: "What is your favorite pet's name?" and the suggested answer was "Bill."

I happen to have a dog named B.J. This is an incredibly odd name, nearly one of a kind one. This I conclude that it could not be an coincidence.

What is Yahoo doing with personal information about me? How did they know it was me if it was my first time using this computer and the first time I used my

school network? I suppose they referenced me in a data base and I was the only one with my name in their list, but it's not an uncommon name.

Discussion X
We do.

Dear 2600:
As I was listening to the October 1988 edition of *Off the Hook*, I realized that while I am only 15, I really do feel like I am part of something special. What I think about computers, I think about them as "gateways" to another world. Think of them as networks. I can sit there for hours pondering over the internal workings of a Commodore 64, or a Vc 20, an 8086 laptop, i386, 386, 388, and so forth and so on. I've noticed today in the "computer" world there are many people, young, old, new, who don't understand, but also believe they do. They think that "hacking" is composed of loading up their AOL, or any ISP connection for that matter, and finding away a minor, register, or some other exploit. They don't understand that a hacker is not always someone who is malicious, or someone who only goes to do things for one's own sake. They don't know that a real, true hacker is someone who wishes to understand how something works... who wants to dive into the depths of how this function, how part A talks to part B, or how the computer can interpret input from us in our human language, convert and understand it in its own language, whether it be the state assembly, Binary, Hex, C++, Java, visual basic, Pascal, Fortran, Perl, Cobol, and so forth.

I am only in the 11th grade, but already I know that I do not want to go into this world as one of the people who don't know A from B, B from Q, 17 from 35, and 00110 from 46. I am not exactly sure why I felt the need to write to you, but I needed to vent my anger. I want to dive into the depths of science, computers, how they work, how they will work. How the phones work. I don't want to destroy, I don't want to break, I only want to learn. I think that is what is wrong with society today. The American media has shown hackers as people who sit in their room all night, doing nothing but squinting at their monitors, trying to mess up someone's computer.

Graphic
So few people realize the scope of wonder that reality is an essential part of appreciating something. If you ever saw the point where you can talk to someone on the phone or over the net and not realize how incredible the subtle processes, you've lost something really important.

Dear 2600:
In 192, Ethel wrote "What the hell is the background of some 161 eligible to be?" Your response was "Rejection, Surgery, Terror. For the future." That line is from a Rayline '5 episode in which Kosh sent those words to Tula Whittier. (Just thought that was a perfect response on your part. I also want to say that this Fine Keshin attack you have started is the most inspiring

thing I have read about in a long time.

Webmaster

As far as our TV show that has been a great success to us, we've elected someone picked up the option. Now if you should want to pick up "Control."

Questions

Dear 2600:

I would like a talk more info on the 360/280000 server. Can I take a number that my modem can dial to switch servers back and forth. This is very necessary because I have to share the computer with other "family" who would drastically fuck if they knew where my interests lay (needless to say). I see Major Emergency folks as I keep my personal files personal. I am trying to stay incognito and am very interested in using the hacker server when I am actually online.

Y&I

You must already be connected to the net before you can use the server. It works exactly the same as any other net server anywhere in the world. All you have to do is replace or add our server name in whatever program you access the net. Simply connecting to it is not going to get you in trouble since it's either unregistered or it's from any other net server.

Dear 2600:

I have a question. I have two separate lines for my home, and on my computer the sometimes it will say "The computer you are dialing isn't responding" so I plug the phone line into my phone and there are two reactions taking on my line and they can hear me. I was wondering what is going on?

Lalited

It's a wish in the dark but if I guess that your phone line really belongs to someone else. Either that or their phone line belongs to you. No matter how you look at it, the same phone line is showing up in two places. The phone computer do this all the time.

MTV

Dear 2600:

I live among the MTV fans, or so I like to call them. Most of us making this magazine have the type: Harley wearing, tanned, long, brown, nose, spotted, popular kids. Most adults probably have 25 percent of these kids, give or take a couple. Well, my school was around 90 percent. The remaining 10 percent are considered low life scum. As I read the article on the 2600 site (www.2600.com/vol99/1013.html) about MTV's "True Life," I said to a blocker, "I realized that everyone at my school now thinks that they can all be at the stroke of some boss."

I decided to post the article around school to inform everyone what a crock of shit it was. Bad idea. I landed me in the principal's office with two Saturday Afternoon

They asked if I had anything to do with it and I replied that I thought it would be an informative article on the existing media controlling our youth. They told me that it was a political act and against school policy. Then they found three copies of 2600 in my shoulder bag. They said that it was unapproved reading material and they possessed it in violation of the regulations. What the hell was that supposed to mean? Did they think what they were doing was justified? Anyway, I told them that it was innocent for my computer files because we were talking about servers, and then they burned me from using a computer at all.

I went to my detention and was doing fine for a week until my fourth period English class. I read a poem about social morality to the class, once again during my self love Seminar detentions, which I refused to go to. Principal's office again. This time they called my parents and told them I was guilty of insubordination. After I explained the situation to them, they thought it was the punishment they had deserved. My mother called the principal demanding things meant to be written in a letter.

Monday morning, as I walked into my assembly class five minutes late, everyone started around and stared at me. What the hell was going on? I later found out that my teacher told the class not to listen to my "preaching" and to ignore my jeremiads.

Well, now I am at another school. I was suspended for bringing my laptop to school so I left again. I hope that the Queen's is to use my banned video that is too boring to be in a program when you can't give that a TV show, or at least a paragraph, in the world.

Oh, by the way, after I had someone charged every computer screen background and screen saver to say "Piss Eddie."

**Shanachiel
(Faded)**

Dear 2600:

I want to offer a bit of constructive criticism regarding your recent depiction of the bands of MTV. Your first article was ever turning the media establishment (or in MTV's case, something pretending to be part of the media establishment) and anyone who thinks that she can do investigative journalism while wearing camouflage pants. I am sure you have realized this by now, so let's move on. The question is: How do we investigate the same of generating publicity for important issues (i.e., Rush Limbaugh) while still retaining control of the message? From my experience, you have two options: Find a place to sign releases until you see the final cut or control the means of production. You would have been better served by the latter, making your own documentary and then offering it to MTV and anyone else who would be interested, airing it yourselves, via the web or cable access, and offering it to network news as a clip for those 15 seconds news shows that they love so much. I am not ad-

dition I am surprised the hacker community would allow someone else to do their talking for them. I had

There are already people doing their own production. How it isn't clear to reader ourselves completely from the media since they will then be accused of being a bad objective source. How we can't do anything about, not at all since they would have come our way, we would have realized that we could have either done the work from an independent but necessary basis.

Dear 2600:

My friends told me that there was a show on MTV about hacking a few weeks ago and started talking ill of this site. It was so funny to see that my underground friends thought they could be hackers. They threw these stupid facts at me and my amusement turned to anger. I refused that the truth that MTV was producing was seeing the hacker community feel very far. It was hard enough to explain anything about hacking to my friends in the first place, but now it's almost impossible because they don't believe MTV would actually do. So this really sucks.

techtok

Dear 2600:

I would like to say that MTV did the hacker community a great injustice. They really look advantage by using young hackers to do the whole documentary and exploiting that big ego. I really was disappointed about the viewing time of the Utopia which seemed to be the most interesting part but it only lasted less than a minute. Also I'd like to know if 2600 will ever have an online shop to subscribe and purchase T-shirts and 2600 merchandise. Well you guys ever equal your own merchandise. Well you guys ever equal your own merchandise. Well you guys ever equal your own merchandise to include a 2600 coffee mug which would be cool for my desk at work!

LalitedPhos9000

If we get a design that doesn't make us feel like all the kids are probably going to do that. At the same time, or if maybe we just wanted our own web site which means you can order other things, book covers, shirts, etc. without having to make them and postage meaning more. And things generally work much faster this way.

Harris & Noble Memo Forum?

Dear 2600:

I have to admit it, but I took a job packaging the express machine at the Harris & Noble location in North Richmond Hills. These I discovered that I make a great cup of coffee, but I never expected to discover this extra thing I never posted on a bulletin board in the back. After scanning over it and picking my jaw up off the floor, I suggested it off the board and surfed it in my pocket.

I think that this memo might explain many of the seemingly random instances of hackers under the age of 18 being told they cannot purchase 2600, and the other

various cases of 2600 never showing up on the shelf.

Memorandum
To: All Server
FROM: Ben Robinson
Date: October 27, 1997
Subject: Community Standards

The projects, letters, and phone calls regarding the works of Jack Stover, David Thompson, and Scott Hagen continue around the country. A few packets of cassette articles exist in some markets, which other markets have requested an article of all. All servers have requested quickly and professionally, resulting in few responses from our community.

Over the years we have experienced similar things with books such as "Stoner Brown", "The Amendment's Cookbook", and "Victorian Prose". Being purveyors of the written word and teachers of the First Amendment is not without its complications. Through all of our various endeavors and aspirations, our first commitment, many of them, is to ensure that we apply discretion to our efforts regarding individual "community standards" to each of our members.

Keep in mind that we will not automatically review any book from the shelves, nor will we include any item up to and including the books on sale. If you come of the determination any of our books to be in violation of First Amendment, or Local Legislation, we will remove them from our shelves. In the absence of such a finding, we are invited, under the First Amendment, to offer for sale any book purchased by our community.

The selection and display of books for sale within our stores is a hard, more complicated thing. Many of our community letter requests have regarding the availability and display of some of the books we sell. In some circumstances, we have our specific message to state by some that "Privacy" and "Profound" may be removed from our store and not available to anyone. In the favor of the variables, if you believe that our books are going to be any appropriate to the letter and standards of our community, you are encouraged to place it in a secure location and in some business cases if the letter of your name. We will still order any book in great quantities by our customers and as always, we're continuing to receive mail that will not be sold to anyone under the age of 18.

Certainly, if there are books in your store that you believe to be against the standards of your community, be sure to communicate your concerns to your district manager. Thank you again for all our support and continued support in the handling of this issue. Should you have any questions, please contact your district manager, regional director, or myself.

You guys getting this? Any stock-level-related work on disks in implement that can't be used more than once and take 2600 off the shelf and put it behind the counter so no one under 18 can purchase it. For the matter, this internet never really go back the whole stock of

Understanding Microsoft Exchange

By PayLay

paylay666@yaho.com

Microsoft Exchange Server is one of the most popular and widely deployed groupware and messaging servers around. It's also very easy to install and configure, so a lot of know-nothing jockeys are becoming Exchange administrators overnight. Typically, these mail servers are not very secure and often misconfigured. Whether you are a hacker or an Exchange administrator, there is one golden rule of security: NT is only as secure as the infrastructure. Exchange is only as secure as NT. Both rely on an unhardened and corrupt system administrator.

The purpose of this article is to introduce the curious to Microsoft Exchange, how it works, and its vulnerabilities. I am not going to teach you how to hack into NT; volumes could be written on it's exploits.

Understanding Exchange Server

Microsoft Exchange Server is a groupware and messaging tool, built for medium to large corporations. A lot of smaller companies also use it because of the ease of installation and native support for Outlook mail reader. Like all Microsoft products, it uses proprietary protocols and mail transfer methods. But it also supports most major standards of mail transfer and the like. "Out of the box" Exchange supports many protocols, including these: X.400, X.500, LDAP, SMTP, POP3, and IMAP4. The X.400 and X.500 connectors can be quite fun, but that is a whole other article. Internally, it supports connectivity to other mail systems, such as MS Mail, Notes, CC-Mail, Groupwise, and SNA/DS. For Linux-net connectivity, it has a built in SMTP server.

Connection and Authentication

Exchange Server supports four ways to connect to it:

1. Exchange Client: "Exchange" client is a MAPI program that can natively connect to an Exchange server. For a long time it was only the Exchange Client which shipped with early versions of Exchange and Microsoft Outlook 97/98/2000. These clients use NT Authentication, meaning you have to have an NT account on the server/domain with appropriate permissions in order to connect. Recently, HP announced that OpenMail for HP-UX and Linux supports Exchange server connectivity. I haven't seen it so I can't tell you how it works, but the Linux version sounds like something fun to hack around with.
2. HTTP: Starting with Exchange version 5.0, Exchange has a feature called Outlook Web Access. A server equipped with IIS3.0 and Active Server Pages, and Exchange 5.0 and

above can present the Outlook interface through a web browser so users can access their mail. Challenge-Response authentication is the default, but it requires IE. Most administrators stop the authentication down to clear level so Netscape users can access their mail. This is a common mistake a lot of admins make, sacrificing security for usability. The default path to Exchange's OWA is "... A lot of companies allow anonymous access to public folders. If you poke around long enough, a lot of information can be gained from reading public folders. A side note: OWA uses LDAP to do queries on the Global Address List. If you can access OWA from the Internet, chances are they have anonymous LDAP enabled. With a LDAP-enabled mail reader, you are browsing their corporate email list in no time. In most Exchange sites, email address = NT username. Nuff said.

3. POP3: Exchange allows POP3 clients to connect to the mail server. If an administrator enables this, they usually enable clean-exit authentication. I have noticed most admins would rather just enable clean-exit than hassle with upgrading mail clients.

4. IMAP4: See POP3. Same authentication.

Now that I have laid out various protocols, it's obvious there are various ways to connect to Exchange: from the Internet, Microsoft has had their share of security problems with Exchange, which were subsequently fixed by an Exchange Service pack or hot fix. I have been working with Exchange for years now, and I have not once been in a site that had the latest service pack or hot fix. So, the first step in understanding what kind you are working with. Two ways to get this info: look at the mail headers:

```
[smtp] with SMTP (Microsoft Exchange Internet Mail Service Version 5.5.2232.9) or telnet into Exchange on port 25:  
[smtp] 220 mail.paylay.com ESMTP Server (Microsoft Exchange Internet Mail Service 5.5.2232.9) ready
```

Build	Exchange Version
4.0.837	Exchange 4.0
4.0.838	Exchange 4.0 SP1
4.0.993	Exchange 4.0 SP2
	(also referred to as Exchange 4.0i)
4.0.994	Exchange 4.0 SP3
4.0.995	Exchange 4.0 SP4
5.0.1457	Exchange 5.0
5.0.1458	Exchange 5.0 SP1
5.5.1960	Exchange 5.5
5.5.2232	Exchange 5.5 SP1
5.5.2418	Exchange 5.5 SP2

ings in the back to be stripped and sent back to the editor because this unacknowledged \$6.50 in hard-earned money might think that the material is too sensitive for hacker community. Not to mention the bad name they give to innocent readers such as 2000 by giving them with the likes of pedophile photographer, social biographer and other such truly disturbing publications. If I owned a company, the case of BSN, I must assume would not allow the former employees on the corporate ladder to make any decisions for my company, much less decisions that could potentially damage my customers. They decided way to run a book store, if you ask me.

Manjupham

We've contacted Devore and Apple concerning whether or not they want a family was revealed. If it was it could possibly explain some things, not only for us but for a whole host of other problems. We'll wait to hear what they have to say on the matter. We like to think that the vast majority of users have people like the following writer in positions of power.

Dear 2000:

A customer called our store, the Barnes & Noble in Muskegon, Michigan tonight and told us that someone had written a letter about our store in your magazine. We read it and wanted to reply. We have sold your magazine in our store since it opened three and a half years ago. It seems that most things we sell out of your magazine. I'm not sure who that guy talked to, but obviously it was someone who didn't have a clue. We just wanted to let you know. Thanks!

Dawn Bates

Bookstore at BSN
Muskegon, Michigan

Fun Stuff

Dear 2000:

Found something quite interesting, amusing, and well, all around funny today. While going to an eye appointment today at the local military hospital (I am a military vet, you'll find me on the PA that "we see you in There-On Bravo" for those of you who don't know what Thaterton is, it's Thatert Condon... the base I was on has been a Thatertan Alpha since the Gulf episode. The higher in the alphabet, the worse conditions are. Anyway, Thatertan Bravo is supposed to be pretty not good. This kind of speech had a bit, when I remembered that this work was some sort of "preper for the worst" week. Making my way over to the eye, I heard that about three more cases. It got me thinking, I changed direction and headed to my father's office. Before I could even open his e-mail folder I heard "d d d ling", like the old Windows startup sound (sorry, I am a Win-x guy). This was his anti-malware. I opened the message and here's what I got:

"WE ARE BACK AGAINST GOVERNMENT ENTITIES. WE OWN YOUR SYSTEM. WE ARE BREATHING DOWN YOUR NECKS. YOU ARE OURS."

I almost broke out into a laugh when I thought the hospital's system had been breached. Then I finished reading the message:

"THIS IS A SECURITY EXERCISE FOR THE HOSPITAL."

Oh well, it was fun. A few moments later, another e-mail arrived saying, "When in Thatertan Bravo, look for any suspicious characters and report them to security." Considering I was looking kind of suspicious (I'm bald, black hedge pants, and a green shirt on... what else do you choose to wear there?), I looked for the doc. Good to know the mail is secured. Love your site.

Stack Packet

Stories of the Past

Dear 2000:

Enjoy your magazine! I thought I'd remember a little. I planned to program FORTRAN IV on punch cards back in 1980 at a junior college. When I got to a University, I got an account (wow), and was able to program through a remote terminal. I was an engineering student and spent many hours into the early mornings programming and looking through what I could get into. The only task I ever did was when a slow-witted student used one of the engineering terminals and left it without logging off. I happened upon it, I wrote a search file that executed upon starting the next time he logged on. The search file executed a program that told him to remember to log off before leaving the terminal. After days later I found another terminal that someone had not logged off of. When I checked the account number I found out it was the same account as the last one I found! I wrote another search file that ran at login. It was a bit more searching. Essentially it said, "Forget your account, dumb-ass!" I thought to myself and I forgot about it. Not two days later I found the same damn account open again! So this time I wrote a search file that looked exactly like the login screen and asked for his account number and password. The account began was my book. It sent the password to a dummy account that I know that the sysop could track me down if I used my own account. That is spent accounts, since I had learned from students who had printed and never told the computer manager they had seen. There were a 14 less than that then. Anyway, the account number didn't even support a problem, even though he had to enter his guess and print the time that executing a program. As soon as the password got sent to him, that the search file changed the password and log off. I passed the account number and password around the engineering department and we used the account to poke into other we were not supposed to. We were kind enough to leave the files in place. It only lasted a few days before the sysop changed the password again and that my play account. I placed more probes on other engineering students and sysops who happened to have a terminal open without logging off. But I was a code sniffer account. Always keep up the good work and remember to have fun, but do no harm.

Erin

Exploits

Obviously, if you come across a server that is using a very early build, chances are they haven't bothered to install any NT or MS service packs. This is a sad fact I find completely laughable. Give me my Palm and Palm modem and 10 minutes on an Exchange build 2232 on NT SP3 and I'll be out of the box, and I will be perusing payroll, tax, or other information or just looking at some jack's corporate sales contacts or whatever. If you are interested, do a little homework on general NT and, more specifically, MS exploits and you will find a lot of useful information. Some common, open holes in an Exchange Server:

1. A lot of dumb-ass VP's want to check their e-mail from their Palm and cell phone from a desert island using their own ISP. Because a lot of admins are dumb, lazy, or scared of their boss, they have allowed anonymous access into the SMTP portion of Exchange. Check this first.

2. Exchange's SMTP connector has a feature that disables mail relaying. A lot of companies have this feature turned off because they probably don't understand what mail relaying is. Heck, they probably think it's a good thing. So check into this cool:

3. If the build is 5.5.2448 or below and they have mail relaying disabled there's still a way around it. If the e-mail is sent using what's called "Encapsulated SMTP", a way for Exchange to send mail to another Exchange Server via SMTP, you can relay mail because it always relaying if the mail appears to be coming from another Exchange server. Microsoft has a hot-fix for it, but most companies run NT Service Pack Nothing, so check this out:

4. Exchange uses NT authentication for mailboxes, so exploits used for NT passwords can be applied to Exchange. Hack the Administrator password and you just hacked the Administrator mailbox.

5. Any mail standard Exchange uses (IMAP4, POP3, SMTP, etc.) is, well, standard. So the general rules when dealing with these protocols also apply to Exchange.

Under the Hood

Exchange has what's called a Service Account. This is the NT account that Exchange uses to send/receive mail, stop and start services, and perform other Exchange-related duties. This account should be the most secure account on your mail server. So, let's find out what the Service Account user name is:

Click on Organization

InfoServer and then click on Permissions for the current server, then click on Permissions. There is a box titled "Windows NT Accounts With Inherited Permissions". Scrolling through the permissions list, there is a set of permissions called "Service Account Admin". A smart NT administrator would have a modified account that is never used to log in with, and this account would have a very strong password. Why, you ask? Because an account with this set of permissions is GOD. A Service Account Admin can do anything, read anyone's mail, contacts, calendar, journal, tasks, and public folders. You can send mail as their receive mail, set incoming mail rules, forward mail, filter mail to another mailbox, anything. You can set up a filter and rule on the CEO's Inbox that will copy all mail with the words "Confidential" or "Financials" to the body, and have it automatically delete out of Sent Items so he never knows. With Service Account access, the possibilities are endless.

Now, your next question is: which is the Exchange Service Account in the user list? Good question - a jack-hole administrator would make it the default NT account - "Administrator" or he thinks he is gonna fool the hackers and name it "OrGr0wN!". I usually call mine "Joe Rodriguez" with the username "joe". Something obviously not a service account. Another good place to start is if you have access to the NT user list and the Exchange Global Address List, start cross-referencing names. Some admins may have created a Service Account mailbox, but hidden it from the address list. So, figure out what NT accounts don't have mailboxes. You may be looking at some kind of service admin account, Exchange or otherwise. Of course if you have wrenched yourself into some kind of admin access in the NT domain, but you don't have access to the Exchange server, see what services are running on Exchange. With some fancy NT Resource Kit tools and some NET enumerators, you will be able to bring up profiles for services. With the "Start Up" profiles for any Exchange service, who has "Log On As" permissions? You have just discovered one Exchange Service Account user name. It may not be the only one, but it is a start.

This is a good basic introduction to Exchange. It is just as much a hacking tutorial as it is a how-to guide for Exchange admins on how a network ought not to be designed.

Continued from Page 5

The answer has been staring us in the face for some time. And Seattle was the first opportunity to apply it on a somewhat massive scale.

The technology that has been developing over the years is unquestionably of great benefit to network designers to make use of it. The relatively open architecture of the Internet lends itself to a great variety of applications, not just for those with the most power. That is its magnetic allure and it is also the reason everyone in authority is scared to death of it. The net represents the true potential of the individual and individuals are the most formidable enemy of any oppressive regime.

As the crowds were gassed and shot at, the mass media looked elsewhere. They found a small group, who, in the marketplace talked to valiantly, smashing windows and popping cars. This became the only "violence" most Americans saw on their television. Businesses were the victims, individuals the cause. Newspapers clamored editorially condemning this "violence" that took their jobs and money. They argued properly ignoring the assault on the people, and endorsing the equivalent exercised by the WTO. Anyone who was surprised by this stupidity hasn't been paying attention. When you look at how power has been consolidating in recent years, this kind of coverage makes perfect sense.

But then there was the net. The same net that is encroaching upon daily by those in power. The one that governments are worried the world couldn't try to regulate. It was the Internet that finally broke through the manipulation and allowed the world to see through it, what was actually happening.

Strategically placed webcams showed everyone what was really going on in the streets. Making lists and message groups allowed anyone to instantly write their opinions and get them out to the rest of the world. Any person with a tape recorder was able to go out and get sound, then encode it so that people from anywhere could listen. Almost as many people managed to do the same thing with video. Within hours, dozens of these independent media pieces were traversing the planet, all without control or censorship. And, in one of the most stunning examples of free speech we've witnessed in a long time, a "prayer" radio station broadcasted live from the streets of Seattle was able to get its signal streamed onto the net so that people anywhere could listen to his weak but inspiring signal. We put quotes around the word "prayer" because it seems ironic that such free speech on the public airwaves would be flagged while it's perfectly acceptable for one single corporation to control access to a thousand far more powerful stations.

You probably didn't hear about any of this in the mainstream media for the same reason you didn't hear about what Kevin Mitnick's actually did to warrant being locked away for five years. Why dwell on the psychological and physical torture that

Bornie S. endured, all because the Secret Service was mad at him? Wouldn't it more appropriate to focus on how he was shown as an electric teardrop rather than a simple juvenile delinquent? It's far easier to portray events with the smoke and mirrors we see in a recent MTV slender piece on hackers as well as so many other corporate media tactics. The facts only serve to corroborate matters and muddy the message. And people are stupid, after all. All they want is to be entertained and nothing stands in the way of that (except the truth, Right?)

The tide has turned. It may take some time, but it seems obvious to us that not everyone is buying into the propaganda. We'll see many more individuals whose punishment far outweighs their crime and will see the media distort the facts time and time again, but one thing we know we have now that may be the biggest context of all - awareness. That, coupled with the technology that we must never let them take away, will be enough to start reaching others.

Secret estimated by an US 3485 showing the overall progress and erosion of 2022 regions, projected growth (in % based) for November 13, 1995. (Source: 2002/1995) price \$3.22.

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12. I certify that the statistics made by me show true growth and turnover. (Signed) Eric Carter, Editor		

M A R K E T P L A C E HAPPENINGS

HEX - BOBE 2000 will be taking place on July 14-15 and 16, 2000 in New York City at the Hotel Roosevelt (the site of the first HOPE Conference in 1989). This time we have two floors and a lounge room to do whatever we want. Send your tickets now! Reserve your seats at the hotel by calling (773) 723-9400 (international times call 611 from abroad) or call the downstairs office. Unlike previous HOPE conferences, we will be having photos arranged the day before beginning on Friday morning and ending on Sunday night. We expect to have two kinds of speakers as well: 18 radio, film and TV personalities of all sorts; 18 writers from the radio scene; and 18 actors. Admission for HOPE members is \$45 and for non-members is \$75. To sign up throughout the three days, you can send your registration to HEK, PO Box 669, Middle Island, NY 11953. Make checks or money orders payable to 2550. Be sure to include your name, address, and if possible, an email address. If you'd like to volunteer to help at the conference, email volunteers@hex.net. If you're interested in giving a presentation, email presentations@hex.net. Also send a mailing list including 100 names about the conference or send me the mailing list (your e-mail and your "checkboxes" list) on the zip file (see the note). Continue to check www.blackandblue.com for updates.

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ANNOUNCEMENTS: We are currently looking for individuals who are interested in creating and marketing new products. If you are interested, please contact us at (703) 461-1010.

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