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24 Hours A Day, 300/1200 Baud

Presents....

==Phrack Inc.==

Volume One, Issue One, Phile 1 of 8

Introduction...

Welcome to the Phrack Inc. Philes. Basically, we are a group of phile writers who have combined our philes and are distributing them in a group. This newsletter-type project is home-based at Metal Shop. If you or your group are interested in writing philes for Phrack Inc. you, your group, your BBS, or any other credits will be included. These philes may include articles on telcom (phreaking/hacking), anarchy (guns and death & destruction) or cracking. Other topics will be allowed also to an certain extent. If you feel you have some material that's original, please call and we'll include it in the next issue possible. Also, you are welcomed to put up these philes on your BBS/AE/Catfur/Etc. The philes will be regularly available on Metal Shop. If you wish to say in the philes that your BBS will also be sponsoring Phrack Inc., please leave feedback to me, Taran King stating you'd like your BBS in the credits. Later on.

TARAN KING
2600 CLUB!
METAL SHOP SYSOP

This issue is Volume One, Issue One, released on November 17, 1985. Included are:

- 1 This Introduction to Phrack Inc. by Taran King
- 2 SAM Security Article by Spitfire Hacker
- 3 Boot Tracing on Apple by Cheap Shades
- 4 The Fone Phreak's Revenge by Iron Soldier
- 5 MCI International Cards by Knight Lightning
- 6 How to Pick Master Locks by Gin Fizz and Ninja NYC
- 7 How to Make an Acetylene Bomb by The Clashmaster
- 8 School/College Computer Dial-Ups by Phantom Phreaker

Call Metal Shop and leave feedback saying the phile topic and where you got these philes to get your article in Phrack Inc.



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==Phrack Inc.==

Volume One, Issue One, Phile 2 of 8

::>Hacking SAM - A Description Of The Dial-Up Security System<::

::>Written by Spitfire Hacker<::

SAM is a security system that is being used in many colleges today as a security feature against intrusion from the outside. This system utilizes a dial-back routine which is very effective. To access the computer, you must first dial the port to which SAM is hooked up. The port for one such college is located at (818) 885-2082. After you have called, SAM will answer the phone, but will make no other responses (no carrier signals). At this point, you must punch in a valid Login Identification Number on a push-button phone. The number is in this format -- xxyyyy -- where xx is, for the number mentioned above, 70. 'yyyy' is the last 4 digits of the valid user's telephone number.

If a valid LIN is entered, SAM will give one of 3 responses:

- 1) A 1 second low tone
- 2) A 1 second alternating high/low tone
- 3) A tone burst

Responses 1 and 2 indicate that SAM has accepted your passcode and is waiting for you to hang up. After you hang up, it will dial the valid users phone number and wait for a second signal.

Response 3 indicates that all of the outgoing lines are busy.

If SAM accepts your passcode, you will have to tap into the valid users line and intercept SAM when it calls. If you do this, then hit the '*' key on your phone. SAM will respond with a standard carrier, and you are in!

That's all that I have hacked out so far, I will write more information on the subject later.

->Spitfire Hacker<-

2600 Club!

==Phrack Inc.==
Volume One, Issue One, Phile 3 of 8

Boot Tracing Made Easy
Written by
\Cheap/ \Shades/
2600 CLUB!

Be sure to call
Kleptic Palice.....(314)527-5551
5 Meg BBS/AE/CF
Metal Shop.....(314)432-0756
Elite BBS (Home of 2600 CLUB!
and Phrack Inc.)

About 3 or four years ago, a real good friend of mine was teaching a ML Programming course for the Apple 2 series. I, being a good friend and quite bored, asked him about cracking Apple games. He told me that he had spent the last summer cracking programs. He showed me a method that he came up with entirely on his own, boot tracing. Little did he know that this was already quite popular but he developed his own method for doing it which from reading other files about it, is the simplest I've ever seen. (To give you an idea, I had SNOGGLE (I've never played the game but a friend had it on disk.) completely loaded into memory ready to be dumped in about 12 minutes.) Ok, first of all, ALL programs can be boot traced. The only thing is that some may not be easily converted into files. The only programs that you should try if you aren't real good at ML, are ones that load completely into memory. Also to do this you will need a cassette recorder. (don't worry the program we will save won't take too long to save, and if all goes well it will only be saved loaded once.) I hate learning the theory behind anything so I'm not gonna give any theory behind this. If you want the theory, read some other phile that does this the hard way.

First make sure your cassette recoder works by BLOADing some program and typing:

CALL -151
AA60.AA73
You'll see something that looks like this:
AA60-30 02 xx xx xx xx xx xx
AA68-xx xx xx xx xx xx xx xx
AA70-xx xx 00 08

or whatever...The 30 02 is the length (\$0230 bytes). The 00 08 is the starting address (\$0800). Oh well, now you need to try and save the program. Type:

800.A2FW (A2F=\$800+\$230-1)
1000<800.A2FM
800:00 N 801<800.A2FM
800.A2FR
1000<800.A2FV

Once you are sure that the cassette works, (by the way do be stupid and try that on a //c!) we can get to the good stuff...

First move the ROM boot-up code into RAM...(all steps will be from the monitor * prompt.)

8600<C600.C6FFM
86F9:5C FF

(Now load in step 1 of the boot.)

8600G
C0E8 (turn the drive off)

(Now you have successfully loaded in track 0 sector 0) Now since we won't want to overwrite what we've loaded in this time, Type:

8500<800.8FFM

86F9:01 85

8501L

Lets see what you've gotten...

First see if they move this part into the keyboard buffer. (A lot of programs do this and the boot trace files that I've read don't even deal with this.)

LDX 00

LDA 800,X

STA 200,X

INX

BNE \$803

JMP \$211 (or any \$2xx)

(sometimes done with Y's instead of X's.)

Then the next part will scramble what's in \$08xx. but we don't have to worry about that. Anyways find that JMP \$2xx and change it to 4C xx 85 leaving the xx the same. Usually this will be the next address but just to be safe...

Ok, now scan the code for any other JMP's if you find one that's direct (indirect ones have the address in parenthesis) change it to 4C 5C FF, but write down the location that it used to jump to first so you know where to look. It'll probably be 301 or B700. If it's the B700, you got lucky. If it's the 301 then you've got some more work ahead. If it was an indirect JMP, most likely it was JMP (\$003E). No if you change that to 4C 5C FF then check 3E from monitor you'll find that 3E is 00 and 3F is 3E...Monitor uses that place in zero page for its current memory location. So what you need to do is

8400:A5 3F 00 20 DA FD A5 3E 20 DA FD 4C 5C FF

then change that indirect jump to

85xx:4C 00 84

(by the way if the indirect jump is anything other than 3E then most likely you can just look at it from monitor if not write a little routine like the one above to print out the address hidden. (Oh, check the location after the next run. For now change it to 4C 5C FF.))

Anyways this little game will probably go on no longer than 2 or 3 loads, each time just move the newly loaded part to another part of memory and change the jump to jump to monitor (4C 5C FF) and the jump from the part before it to go to the moved code.

When you find the part that JMP's up to a high area of memory (usually \$B700) you're almost done. The exit routine of the will most likely be the start of the program. Once you intercept it there, all you have to do now is save it to cassette and re-load DOS. The starting address for saving should be the address that the B700 routine exits through. If this is higher than \$6000 then start saving at \$2000 to get the Hi-Res pictures. Using WXYZ as your starting address type:

WXYZ.9CFFW (This will have the main program.)

800.WXYZW (Save this are in case there is something needed down here we don't have to start over from scratch.)

Ok now reboot:

C600G (with a DOS disk in the drive!)

CALL -151

WXYZ.9CFFR

Bsave PROGRAM,A\$WXYZ,L\$(Whatever 9CFF-WXYZ+1 is)

If the it gives you an error the file is too big. A quick DOS patch to fix that is:

A964:FF

and try again.

Now that the program is saved, try and run it. (It's a good idea to take the disk out of the drive, there's no telling what the program might try and do if it sees that DOS is loaded in.)

WXYZG

(If it works, just to make sure that it's a good crack, power down the system and try and BRUN it after a cold boot.)

If you saved the pictures with the program, most likely, it won't run. You need to add a JMP at 1FFD to JMP to the main program. Then re-BSAVE it with a starting address of A\$1FFD, and add 3 to the length. If the program tries to go to the drive while its running, I'd suggest giving up unless you really understand non-DOS disk usage. (but if you did you probably wouldn't be reading this.) If you get a break at an address less than \$2000 then you need to load in the second program that you saved to cassette. Put a jump in at \$800 to the main program and save the whole damn thing. If it still don't work you're gonna need to really get fancy.

Now that you've got the thing running, it's time to figure out what is used and

what is just wasted memory. This is where I really can't help you but just make sure that you keep a working copy and before every test power down the machine to clear anything that might be remaining.

Have phun and good luck.....

 \Cheap/ \Shades/
 ___/ ___/
 2600 CLUB!

Be sure and get a copy of PHRACK INC., available on finer BBS/AE's everywhere.

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Presents...

==Phrack Inc.==

Volume One, Issue One, Phile 4 of 8

THE PHONE PHREAK'S FRY-UM GUIDE

COMPILED BY THE IRON SOLDIER

WITH HELP FROM DR. DOVE

NOTE: THIS GUIDE IS STILL BEING COMPILED, AND AS PHONE PHREAKS LEARN MORE IN THE ART OF VENGEANCE IT WILL ALWAYS EXPAND.

"Vengeance is mine", says the Phreak.

METHOD 1-PHONE LINE PHUN

Call up the business office. It should be listed at the front of the white pages. Say you wanted to diconnect Scott Korman's line. DIAL 800-xxx-xxxx. "Hello, this is Mr. Korman, I'm moving to California and would like to have my phone service disconnected. I'm at the airport now. I'm calling from a payphone, my number is [414] 445 5005. You can send my final bill to :(somewhere in California. Thank you."

METHOD 2-PHONE BOOKS

Call up the business office from a pay phone. Say "Hello, I'd like to order a Phone Book for Upper Volta (or any out-of-the way area with Direct Dialing). This is Scott Korman, ship to 3119 N. 44th St. Milwaukee, WI 53216. Yes, I under stand it will cost \$xx(\$25-\$75!!). Thank you."

METHOD 3-PHONE CALLS

Call up a PBX, enter the code and get an outside line. Then dial 0+ the number desired to call. You will hear a bonk and then an operator. Say, "I'd like to charge this to my home phone at 414-445-5005. Thank you." A friend and I did this to a loser, I called him at 1:00 AM and we left the fone off the hook all night. I calculated that it cost him \$168.

METHOD 4-MISC SERVICES

Call up the business office once again from a payfone. Say you'd like call waiting, forwarding, 3 way, etc. Once again you are the famed loser Scott Korman. He pays-you laugh. You don't know how funny it was talking to him, and wondering what those clicks he kept hearing were.

METHOD 5-CHANGED & UNPUB

Do the same as in 4, but say you'd like to change and unlist your (Scott's) number. Anyone calling him will get: "BEW BEW BEEP. The number you have reached, 445-5005, has been changed to a non-published number. No further....."

METHOD 6-FORWRDING

This required an accomplice or two or three. Around Christmas time, go to Toys 'R' Us. Get everyone at the customer service or manager's desk away ("Hey, could you help me"). then you get on their phone and dial (usually dial 9 first) and the business office again. This time, say you are from Toys 'R' Us, and you'd like to add call forwarding to 445-5005. Scott will get 100-600 calls a day!!!

METHOD 7-RUSSIAN CALLER

Call a payphone at 10:00 PM. Say to the operator that you'd like to book a call to Russia. Say you are calling from a payphone, and your number is that of the loser to fry (e.g. 445-5005). She will say that she'll have to call ya back in 5 hours, and you ok that. Meanwhile the loser (e.g.) Scott, will get a call at 3:00 AM from an operator saying that the call he booked to Russia is ready.

IF YOU HAVE ANY QUESTIONS LEAVE E-MAIL FOR ME ON ANY BOARD I'M ON.

The Iron Soldier
TSF-The Second Foundation!

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Presents...

==Phrack Inc.==
 Volume One, Issue One, Phile 5 of 8

Using MCI Calling Cards
 by
 Knight Lightning
 of the
 2600 Club!

How to dial international calls on MCI:

"Its easy to use MCI for international calling."

1. Dial your MCI access number and authorization code (code = 14 digit number, however the first 10 digits are the card holders NPA+PRE+SUFF).
2. Dial 011
3. Dial the country code
4. Dial the city code and the PRE+SUFF that you want.

Countries served by MCI:

Country	code	Country	code
Algeria.....	213	New Zealand.....	64
Argentina.....	54	Northern Ireland.....	44
Australia.....	61	Oman.....	968
Belgium.....	32	Papua New Guinea.....	675
Brazil.....	55	Qatar.....	974
Canada.....	Use Area Codes	Saudi Arabia.....	966
Cyprus.....	357	Scotland.....	44
Denmark.....	45	Senegal.....	221
Egypt.....	20	South Africa.....	27
England.....	44	Sri Lanka.....	94
German Democratic Republic		Sweden.....	46
(East Germany).....	37	Taiwan.....	886
Greece.....	30	Tanzania.....	255
Jordan.....	962	Tunisa.....	216
Kenya.....	254	United Arab Emirates.....	971
Kuwait.....	965	Wales.....	44
Malawi.....	265		

Thats 33 countries in all. To get the extender for these calls dial 950-1022 or 1-800-624-1022.

For local calling:

1. Dial 950-1022 or 1-800-624-1022
2. Wait for tone
3. Dial "0", the area code, the phone number, and the 14 digit authorization code. You will hear 2 more tones that let you know you are connected.

- Knight Lightning --> The 2600 Club!

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Presents...

==Phrack Inc.==

Volume One, Issue One, Phile 6 of 8

How to Pick Master Locks

By Gin Fizz & Ninja NYC

Have you ever tried to impress your friends by picking one of those Master combination locks and failed? Well then read on. The Master lock company has made this kind of lock with a protection scheme. If you pull the handle of it hard, the knob won't turn. That was their biggest mistake..... Ok, now on to it.

1st number. Get out any of the Master locks so you know what's going on. 1: The handle part (the part that springs open when you get the combination), pull on it, but not enough so that the knob won't move. 2: While pulling on it turn the knob to the left until it won't move any more. Then add 5 to this number. Congratulations, you now have the 1st number.

2nd number. (a lot tougher) Ok, spin the dial around a couple of times, then go to the 1st number you got, then turn it to the right, bypassing the 1st number once. WHEN you have bypassed. Start pulling the handle and turning it. It will eventually fall into the groove and lock. While in the groove pull on it and turn the knob. If it is loose go to the next groove; if it's stiff you got the second number.

3rd number: After getting the 2nd, spin the dial, then enter the 2 numbers, then after the 2nd, go to the right and at all the numbers pull on it. The lock will eventually open if you did it right. If can't do it the first time, be patient, it takes time.

Have phun...

Gin Fizz/2600 Club!/TPM
Ninja NYC/TPM

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Volume One, Issue One, Phile 7 of 8

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!          //      !
!          // h e C l a s h m a s t e r ' s      !
!          .===== !
!          <   A C E T Y L E N E   >           !
!          <   ->B A L L O O N<-   >           !
!          <   ---->B O M B<----   >           !
!          `-----' !
!          Written exclusively for...          !
!          The Phrack Inc.                    !
!          2600 Club                          !
!          Newsletter                          !
!                                             11/01/85 !
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Imagine this. A great, inflated, green garbage bag slowly wafting down from a tall building. It gains some speed as it nears the ground. People look up and say, "What the...?" The garbage bag hits! *BOOM!!!* It explodes in a thundering fireball of green bits of plastic and flame!

"What is this?" you may ask. Well, this is the great "Acetylene Balloon Bomb." And here is how to make it.

Ingredients:

- =====
- (1> For a small bomb: a plastic bag. Not too big. For something big(ger): a green, plastic garbage bag.
 - (2> Some "Fun-Snaps". A dozen should be more than enough.
 - (3> Some garbage bag twisties. String would also do.
 - (4> A few rocks. Not too heavy, but depends on size of bomb and desired velocity of balloon/bomb.
 - (5> PRIME INGREDIENT: Acetylene. This is what is used in acetylene torches. More on this substance later.
 - (6> One or more eager Anarchists.

NOTES:

=====

Acetylene is a fairly dangerous substance. It is unstable upon contact with oxygen (air). For this reason, and for your safety, I recommend you keep all of the acetylene AWAY from any source of oxygen. This means don't let it get in touch with air.

Construction:

- =====
- (1> Fill up a bathtub with cold water. Make it VERY full.
 - (2> Now get put you garbage bag in the water and fill it with water. Make sure ALL air/oxygen is out of the bag before proceeding.
 - (3> Now take your acetylene source (I used it straight

- from the torch, and I recommend this way also.), and fill the bag up with acetylene.
- (4> Now, being careful with the acetylene, take the bag out of the tub and tie the opening shut with the twisty or string. Let the balloon dry off now. (Put it in a safe place.)
- (5> Okay. Now that it is dry and filled with acetlene, open it up and drop a few rocks in there. Also add some Fun-Snaps. The rocks will carry the balloon down, and the Fun-Snaps will spark upon impact, thus setting off the highly inflammable acetylene.
BABOOM!
- (6> Now put the twisty or string back on VERY tightly. You now have a delicate but powerful balloon bomb.

To use:

=====

Just drop off of a cliff, airplane, building, or whatever. It will hit the ground a explode in a fireball. Be careful you are not near the explosion site. And be careful you are not directly above the blast or the fireball may rise and give you a few nasty burns.

Have fun!

But be careful...

NOTE: I, The Clashmaster, am in NO WAY responsible for the use
===== of this information in any way. This is for purely
informational purposes only!

This has been a 2600 Club production.

--*Clash*--
2600 Club

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Volume One, Issue One, Phile 8 of 8

Schools and University Numbers

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Yale                    203-436-2111
District 214           312-398-8170
Chicago Board of Education 312-254-1919
Spence Schools         212-369-5114
University of Texas    214-688-1400
University of Missouri 314-341-2776
                       314-341-2910
                       (1200) 314-341-2141
Cal-Tech                213-687-4662
University of Nevada    402-472-5065
Princeton University    609-452-6736
Stony Brook University  516-246-9000
Depaul                  312-939-8388
University of San Diego 619-452-6792
RPI School              518-220-6603
William State University 313-577-0260
Harvard                 617-732-1802
Stockton                209-944-4523
Northwestern            312-492-3094
Circle Campus           312-996-5100
                       312-996-6320
University of Mexico    505-588-3351
University of Florida   904-644-2261
Queens College          212-520-7719
University of Denver    303-753-2737
                       303-753-2733
University of Syracuse  315-423-1313
University of Illinois  312-996-5100
University of Virginia  703-328-8086
MIT Research            1-800-545-0085
St.Louis Community College 314-645-1289
SIUE                    618-692-2400
                       618-692-2401
                       618-692-2402
                       618-692-2403
                       618-692-2404
                       618-692-2405
                       618-692-2406
                       618-692-2407
                       618-692-2408
Universiti-----      215-787-1011
Willaim -----        313-577-0260
University of Florida   904-392-5533
Col & Union College     301-279-0632
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University of Mass.     413-545-1600
Purdue                  317-494-1900
Northwestern            312-492-7110
University of New Mexico 505-227-3351
University of Texas     214-688-1400
Temple University       215-787-1010
Melville High School    516-751-6806
UCSD                    619-452-6900

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Oakland Schools 313-857-9500
 University of Maryland 301-454-6111
 California St. Fulerton 714-773-3111
 N.Y.U. 212-777-7600
 University of San Diego 619-293-4510
 University of Colorado 303-447-2540
 University of Colorado 303-447-2538
 MIT Research 617-258-6001
 Dartmouth College 603-643-63q0
 Spence School 212-369-5114
 University of Washington 206-543-9713
 University of Washington 206-543-9714
 University of Washington 206-543-9715
 University of Washington 206-543-9716
 University of Washington 206-543-9717
 University of NC 919-549-0881
 Harvard-Law,Busi,Med Sch. 617-732-1251
 Virginia University 703-328-8086
 WVU 304-293-2921 thru 304-293-2939
 WVU 304-293-4300 thru 304-293-4309
 WVU(1200)304-293-4701 thru 304-293-4708
 WVU(1200)304-293-5591 thru 304-293-5594
 WVU(134.5 bps) 304-293-3601
 WVU(134.5 bps) 304-293-3602
 Lake Wash. School 206-828-3499
 University of San Diego 619-452-6792
 RPL School 518-220-6603
 Another School 212-369-5114
 Harvard 617-732-1251
 Harvard 617-732-1802
 William State University 313-577-0260
 Florida University 904-644-2261
 Wayne State 313-577-0260
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 High School 513-644-3840

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