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!  PIRATE TREK SYSTEMS PRESENTS  !
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!      THE BOOK OF BIOC          !
!                                !
!  A COMPILED PHREAKING TUTORIAL  !
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UPLOADED BY -THE TRIKTER-

HOW TO BE A REAL PHREAK

In the phone phreak society there are certain values that exist in order to be a true phreak, these are best summed up by The Magician: "Many people think of phone phreaks as slime, out to rip off bell for all she is worth. Nothing could be further from the truth! Granted, there are some who get their kicks by making free calls; However, they are not true phone phreaks. Real phone phreaks are 'telecommunications hobbyists' who experiment, play with and learn from the phone system. Occasionally this experimenting, and a need to communicate with other phreaks (with-out going broke), leads to free calls. The free calls are but a small subset of a >true< phone phreaks activities.

THE TEN COMMANDMENTS

Reprinted from tap issue #86. (Tap, room 603, 147 W 42 street, New York, NY 10036. Send an SASE for their info sheet "What the hell is tap?" and tell them that BIOC agent 003 told you about it.)

THE PHONE PHREAK'S TEN COMMANDMENTS

- I. BOX THOU NOT OVER THINE HOME
TELEPHONE WIRES, FOR THOSE WHO
DOEST MUST SURELY BRING THE
WRATH OF THE CHIEF SPECIAL
AGENT DOWN UPON THY HEADS.
- II. SPEAKEST THOU NOT OF IMPORTANT
MATTERS OVER THINE HOME TEL-
EPHONE WIRES, FOR TO DO SO IS TO
RISK THINE RIGHT OF FREEDOM.
- III. USE NOT THINE OWN NAME WHEN
SPEAKING TO OTHER PHREAKS, FOR
THAT EVERY THIRD PHREAK IS AN

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FBI AGENT IS WELL KNOWN.

- IV. LET NOT OVERLY MANY PEOPLE KNOW THAT THY BE A PHREAK, AS TO DO SO IS TO USE THINE OWN SELF AS A SACRIFICIAL LAMB.
- V. IF THOU BE IN SCHOOL, STRIVE TO GET THIN SELF GOOD GRADES, FOR THE AUTHORITIES WELL KNOW THAT SCHOLARS NEVER BREAK THE LAW.
- VI. IF THOU WORKEST, TRY TO BE A EMPLOYEE, AND IMPRESSEST THINE BOSS WITH THINE ENTHUSIASM, FOR IMPORTANT EMPLOYEES ARE OFTEN SAVED BY THEIR OWN BOSSES.
- VII. STOREST THOU NOT THINE STOLEN GOODES IN THINE OWN HOME, FOR THOSE WHO DO ARE SURELY NON-BELIEVERS IN THE BELL SYSTEM SECURITY FORCES, AND ARE NOT LONG FOR THIS WORLD.
- VIII. ATTRACTEST THOU NOT THE ATTENTION OF THE AUTHORITIES, AS THE LESS NOTICABLE THOU ART, THE BETTER.
- IX. MAKEST SURE THINE FRIENDS ARE INSTANT AMNESIACS AND WILL NOT REMEMBER THAT THOU HAVE CALLED ILLEGALLY, FOR THEIR COOPERATION WITH THE AUTHORITIES WILL SURELY LESSEN THINE TIME FOR FREEDOM ON THIS EARTH.
- X. SUPPORTEST THOU TAP, AS IT IS THINE NEWSLETTER, AND WITHOUT IT, THY WORK WILL BE FAR MORE LIMITED.

CN/A NUMBERS

Customer name & address bureaus exist so that authorized bell employees may obtain the name & address of any customer in the bell system by giving the CN/A operator the customer's tel. #. All customers are maintained on file including

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unlisted #'s. These bureaus have many uses for phreaks.

Here is how an employee might go about calling CN/A:

"HI, this is john doe from the Miami residential service center, can I have the customer's name at (123) 555-1212." The employees usually use these for checking who belongs to a # that someone claimed they didn't call.

If you sound cheery and natural the operator will never ask any questions. If you don't sound like a mature adult, don't use it! Always practice first & so you don't screw up and make the operator suspicious. Use name that sounds real, not your pirate name either! Also say that you are from a city that is far away from the one that you are calling.

The CN/A number for the NY area & vicinity (212, 315, 516, 518, 607, 716, & 914) is (518) 471-8111 and is open during business hours. Don't abuse it!

AT&T NEWSLINES

AT&T newslines are numbers at area phone offices that telco employees call to find out the latest info on new technology, stocks, etc. The recorded reports range from very boring to very interesting.

HERE ARE A FEW OF THE NUMBERS:

*(201) 483-3800 NJ (518) 471-2272 NY
(203) 771-4920 CN (717) 255-5555 PA
(212) 393-2151 NY (717) 787-1031 PA
(516) 234-9941 NY *(914) 948-8100 NY

Some of these numbers are toll-free, but you can't always count on it.

* These numbers are not always up!

Numbers from other areas are available by request from F)BIOC L)AGENT 003.

ANI NUMBERS

ANI numbers identify the phone number that you are calling from. It is useful when playing in cans (those big silver boxes on telephone poles) to find out the # of the line. It is also good to find out the # of a phone that doesn't have it printed on it. In the 914 area code the ani # is 990. if you just have to dial the last 4 digits for a local #, ie. congers (268), dial 1-990-1111, where 1111 are dummy digits there is also a less useful type of ANI # which will identify the area code & exchange. It is NXX-9901, where NXX is the exchange. In the 212 & 516 area codes the ANI # is 958. Sysop Note: (In an ESS Network, try 114. In a non-ESS Network, try 1958, or 1-990-1111.)

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PHREAK NEWSLETTER

TAP is the "official" phone phreak newsletter, and has existed since 1971. Each 4 page issue is crammed full of information on phone phreaking, computer phreaking, free gas, free electricity, free postage, breaking & entering info, etc. It is largely phone phreak oriented, however.

A 10 issue subscription costs \$8.00, if you get a bulk rate sealed envelope subscription. I would recommend the first class subscription, which is \$10.

As of this writing (7-16-83), the current issue is #86, and issue #50 is 8 pages instead of the usual 4. Back issues are \$0.75 each, and issue #50 is \$1.50. A brief index to the first 80 issues is available for an SASE, or free with a subscription order. TAP is non-profit, and in desperate need of material (articles), money, and volunteers.

TAP
ROOM 603
147 WEST 42ND STREET
NEW YORK, NY 10036

BELIEVE ME: IT WILL BE THE BEST \$10
YOU WILL EVER SPEND.

BLACK BOX

The black box is a device that attached to a called parties phone that allows him/her to receive free long distance calls from friends who call.

You only need 2 parts: a spst toggle switch and a 10,000 ohm (10 k), 1/2 watt, 10% resistor. any electronics place should have these.

Now, cut two pieces of wire, about 6 inches, and attach these to the two screws on the switch. turn your normal ddside down and unscrew the 2 screws. Locate the "F" and "RR" screws on the network box. Wrap the resistor between these 2 screws and make sure that the wires touch only the proper terminals! Now connect one wire from the switch to the RR terminal. Finally, attach the remaining wire to the green wire (disconnect it from its terminal). Now bring the switch out the rear of the phone and close it up. Put the switch in a position where you get a dial tone, mark this normal. Mark the other side free.

When your friends call (at a prearranged time), quickly lift & drop the receiver as fast as possible. This will stop the ringing, if not try again. It is very important that you do it fast! now put the switch in the free position and pick up the phone. Keep all calls short & under 15 minutes.

When someone calls you long-distance, they are billed from the moment you

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answer. The telco knows when you answer due to a certain amount of voltage that flows when you pick up the phone. However, the resistor cuts down on the voltage so it is below the billing range but sufficient enough to operate the mouthpiece. Answering the phone for a fraction of a second stops the ring but it is not enough for billing to start. If the phone is answered for even one full second, billing will start and you will be cut off when you hang up and switch to free.

WARNING: BELL CAN RANDOMLY LOOK FOR
BLACK BOXES SO BE CAREFUL!

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:                                     :
***BLUE WIRE**>>F<                 :
:           * *                     :
**WHITE WIRE**** *                 :
:           *                       :
:           RESISTOR                :
:           *                       :
:           *                       :
:           >RR<*****SWITCH***    :
:                                     * :
****GREEN WIRE*****                :
:                                     :
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DIAL LOCKS

Have you ever been in an office or somewhere and wanted to make a free fone call but some asshole put a lock on the fone to prevent out-going calls?

Fret no more phellow phreaks, for every system can be beaten with a little knowledge!

There are two ways to beat this obstacle, first pick the lock, I don't have the time to teach locksmithing so we go to the second method which takes advantage of telephone electronics.

To be as simple as possible, when you pick up the fone you complete a circuit know as a local loop. When you hang-up you break the circuit. When you dial (pulse) it also breaks the circuit but not long enough to hang up! So you can "push-dial." To do this you >rapidly< depress the switchhook. For example, to dial an operator (and then give her the number you want called) >rapidly< & >evenly< depress the switchhook 10 times. To dial 634-1268, depress 6 x's pause, then 3 x's, pause, then 4 x's, etc. It takes a little practice but you'll get the hang of it. Try practicing with your own # so you'll get a busy tone when right. It'll also work on TOUCH-TONE(TM) since a DTMF line will also accept pulse. Also, never depress the switchhook for more than a second or

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it'll hang-up!

Finally, remember that you have just as much right to that fone as the asshole who put the lock on it!

EXCHANGE SCANNING

Almost every exchange in the bell system has test #'s and other "goodies" such as loops with dial-ups.

These "goodies" are usually found between 9900 and 9999 in your local exchange. If you have the time and initiative, scan your exchange and you may become lucky!

HERE ARE MY FINDINGS IN THE 914-268 EXCHANGE:

- 9900 - ANI (SEE SEPARATE BULLETIN)
- 9901 - ANI (SEE SEPARATE BULLETIN)
- 9927 - OSC. TONE (POSSIBLE TONE SIDE OF A LOOP)
- 9936 - VOICE # TO THE TELCO CENTRAL OFFICE
- 9937 - VOICE # TO THE TELCO CENTRAL OFFICE
- 9941 - COMPUTER (DIGITAL VOICE TRANSMISSION?)
- 9960 - OSC. TONE (TONE SIDE LOOP) -- MAY ALSO BE A COMPUTER IN SOME EXCHANGES
- 9961 - NO RESPONSE (OTHER END OF LOOP?)
- 9962 - NO RESPONSE (OTHER END OF LOOP?)
- 9963 - NO RESPONSE (OTHER END OF LOOP?)
- 9966 - COMPUTER (SEE 9941)
- 9968 - TONE THAT DISAPPEARS--RESPONDS TO CERTAIN TOUCH-TONE KEYS

MOST OF THE NUMBERS BETWEEN 9900 & 9999 WILL RING OR GO TO A "WHAT #, PLEASE?" OPERATOR.

HAVE PHUN AND REMEMBER IT'S ONLY A LOCAL CALL!

TOUCH-TONE & FREE CALLS

THERE ARE SEVERAL WAYS TO MAKE FREE CALLS (SPRINT, MCI, ETC.) USING A ROTARY PHONE. THEY ARE:

1. USE A NUMBER THAT ACCEPTS VOICE AS

WELL AS DTMF. SUCH A # IS (800)
521-8400. AS OF WRITING THIS, A
CODE WAS 00717865.

A) IF USING VOICE, WAIT FOR THE
COMPUTER TO SAY, "AUTHORIZATION
#, PLEASE." THEN SAY EACH
DIGIT SLOWLY, IT WILL BEEP
AFTER EACH DIGIT IS SAID.
AFTER EVERY GROUP OF DIGITS, IT
WILL REPEAT WHAT YOU HAVE SAID,
THEN SAY YES IF IT IS CORRECT,
OTHERWISE SAY NO. IF THE
ACCESS CODE IS CORRECT, IT WILL
THANK YOU AND ASK FOR THE
DESTINATION #, THEN SAY THE
AREA CODE + NUMBER AS ABOVE.
ANOTHER SUCH # IS (800) 245-
8173, WHICH HAS A 6 DIGIT
ACCESS CODE. (NOTE: IF USING
TOUCH-TONE ON THIS #, ENTER THE
CODE IMMEDIATELY AFTER THE TONE
STOPS.)

2. HOOK UP A TOUCH-TONE FONE INTO
YOUR ROTARY FONE. ATTACH THE RED
WIRE FROM THE TOUCH-TONE FONE TO
THE "R" TERMINAL INSIDE THE FONE
ON THE NETWORK BOX. THEN HOOK THE
GREEN WIRE TO THE "B" TERMINAL.
TO USE THIS DIAL THE # USING
ROTARY & THEN USE THE TOUCH-TONE
FOR THE CODES. (DON'T HANG UP THE
ROTARY FONE WHILE DOING THIS
THOUGH!) IF THIS DOESN'T WORK
THEN REVERSE THE 2 WIRES. (NOTE:
IF YOUR LINE CAN ACCEPT TOUCH-TONE
BUT YOU HAVE A ROTARY FONE THEN
YOU CAN HOOK UP A TONE FONE
DIRECTLY FOR ALL CALLS BUT THIS
USUALLY ISN'T THE CASE.)
SUCH AS RADIO SHACK'S 43-138.

OTHER ALTERNATIVES

4. USE A CHARGE-A-CALL FONE. (THESE
ALSO MAKE GREAT EXTENTIONS IF YOU
REMOVE IT USING A HEX WRENCH WITH

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A HOLE IN THE MIDDLE ON THE CENTER
SCREW!)--(THESE FONES FOR THE
BENEFIT OF THOSE WHO DON'T KNOW
ARE BLUE WITH NO COIN SLOTS)

5. USE A PAY FONE THAT WANTS YOUR
MONEY BEFORE THE DIAL TONE. PUT
IN YOUR DIME, DIAL THE #; IF IT'S
AN 800 # THEN YOUR DIME WILL COME
BACK, IMMEDIATELY PUT A DIME BACK
IN (IT'LL COME BACK WHEN YOU HANG
UP!) IF IT IS A TONE FIRST FONE
AND IT DISCONNECTS THE KEYPAD
(SOME DON'T) THEN FIND ANOTHER
FONE.

TELCO TRACING

THE GOOD 'OL DAYS:

Way back before I was a phreak, ma bell would have to manually trace a call if they thought something was fucked up. First they would send a 2000 HZ tracing tone, it would be followed by alot of noise and clicks. It took about 2-3 minutes to trace a call and alot of people were involved in the process. So at 1 in the morning they would have to wake up people for the tracees (phreak jargon for a pay fone). But never use the same one more than once or twice because the Gestapo (er..excuse me mean bell security) has been know for staking out troubled fortresses. It's also possible for TRAVELNET or SP to ask for a trouble # but the telco is slow in processing stuff--especially for the competition--so don't fret phellow phreaks.

MODERN TECHNOLOGY:

this can be attributed to ESS + CCIS which can be traced in 1 second.

MISCELLANEOUS STUFF

Here are a phew (pushing it on that word) bits of info on telephone electronics. If you don't appreciate it then I say "PHUCK U."

VOLTAGES:

When your fone is on-hook (ie-hung up) there is a 48 volt DC current flowing through the line (I have a great idea about hooking a battery charger up to my fone). When the fone is off-hook the voltage drops down to around 15VDC. The black box (see separate articles) exploits this for free calls since bell uses

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this voltage drop when the called party picks up to start billing. Bell may also reverse the polarity of the line to start billing--if you have a tone fone the keypad won't work if the polarity is reversed. Usually, the red wire is called the tip since it is the more (+) of the 2 wires + the green wire is called the ring (-).

RING TRIP:

When someone calls you bell has to send 90 volts AC down your line at about 60 HZ to activate your bell (this is why deaf people can have light bulbs & fans go off instead of a bell). The device that does the ringing is called a ringing generator and the process of ringing is called a ring trip. This costs bell money and they don't like using all that electricity from the local rip-off power company - so let it ring. This is also, how bell can check for extra fones from their central office by seeing how much voltage the line takes while ringing and they can tell how many fones you're not suppose to have. Solution: disconnect the bell.

MODERN TECHNOLOGY:

The 2 worst enemies to the phreak besides the FBI + bell security, are: ESS + CCIS. ESS stands for Electronic Switching System and it can trace a call in seconds, it also records all calls and can even tap into lines (er..I mean check for line quality) and record calls. CCIS stands for common channel inter-office signaling and it allows for control signals to be sent via separate data links instead of tones over the voice channel--start kissing your blue box goodbye.