### Hints on Getting Started in Firate Hadio by the Magician

Firste radio is becoming more and more popular these days, partly due to the Fuc's leniency towards pirate stations and party due to to the necessary the relatively easy access

Firate radio Can be divided into three categories. The first is shortwave pirating; operating on the international shortwave bands (sometimes even on CB radio). The second is Aff or The second is AM or PM broadcast band pirating, which I consider the most phun. The third is "legal" pirating utilizing wireless AM or PM microphones of low power (less than 100 milliwatts). These devices are useless even with a large antenna; the range is a quarter-mile maximum and due to bad design, the frequency tends to drift.

Another type of transmitter failing into the third ("legal") category is carrier current. Carrier current can run up to 100 watts but are limited because the signal must be fed to the power line and the signal tends to disappear at the nearest utility pole transformer. The trequency is more stable than the wireless mikes because crystal control is used.

Carrier Current transmitters can be made extremely useful by bypassing the AC line matching capacitors and feeding the signal directly to an mair" and enabling you to be heard for miles. get at surplus stores, college radio stations, etc. Carrier current transmitters are usually easy to

types of suitable transmitters are other types of suitable transmitters are available at most surplus electronic stores and usually require very little modification to put them on the frequency you want. Ham radio transmitters are also easily adapted, such as modifying a 2-meter FM ham rig to transmit on the FM broadcast band. If you are really gung ho about pirate radio, build your own transmitter. It the transmitter you get is not powerful enough for you, obtain a linear amplifier as used in ham radio to boost the power.

As for antennas, experience has shown the best type to be a simple, very long piece of wire for AM band and shortwave pirating, as it is very inconspicuous. The antenna should be matched for the transmitter's output network. For more information, read any good ham radio antenna book. Buch shorter antennas can be used for PB broadcasting. For this purpose, most people use modified ham 2-meter antennas.

Other equipment needed can be as simple or as complicated as you wish. You might just hook a reel-to-reel tape recorder to your transmitter and broadcast pre-recorded stuff or you might like to do live "shows" which is auch more phun.

Equipment needed for good live shows is a turntable (two, if possible), a supply of records, a mixer board with cueing capability (I recommend the Shure Production Master because of low cost, small size, and great features), a sicrophone, and optionally a radio station cart machine. The cart machine can be expensive (check surplus stores) but you can really sound like a pro by throwing on station jingles and other stuff between songs. Whole setups including turntables, mike, mixer, etc. are sold as disco (ugghbb!) consoles, so you sight put one to better use by hooking it to your pirate station.

when selecting a frequency to broadcast on, pick one that will in no way interfere with a commercial station or you are sure to get caught. On the Af band, most pirates have found 1610-1630 kHz to not the nest since no commercial stations are yet assigned there. When using these obscure frequencies, the FCC will generally leave you alone it you to low some state ones. frequencies, the PCC will generally alone it you follow some simple rules:

- 1) Keep a low profile. Don't tell the world what you are doing.
- 2) Run less than 100 watts.
  3) Do not use diatent (too much) obscenity.
  4) HUST IMPORTANT: DO NOT INTERFERE WITH
- A COMMERCIAL STATION!

Most pirate radio busts come from compidints registered to the FCC by commercial stations either because of interference from the pirate or because they are jealous that the pirate has better programming and is steading their audience.



#### JAN-FEB 1981 NO. 65

The PCC has the power to close down the pirate station, slap you with a \$10,000 fine and/or one year in prison. But not to worry; some pirates have operated for years without problems and experience has shown that stations such as WCPU and WFAT, when finally closed down, all the FCC usually does is confiscate the equipment usually does is confiscate the equipment (admittedly a bummer) and send you away with a warning. I have NEVER heard of the FCC actually warning. I have abver needs of the color of the pirate. The PCC has considers the use of low kHz Aff to be somewhat of a joke and will look the other way unless forced to act because or complaints.

Broadcast times should be limited to only several hours per day, preferably at hight to avoid the chance of lonosphere propagation causing interference during the day on AN and Sw.

As you can see from the above, pirate broadcasting done with Common sense can be phun

and rewarding - you might even have your listeners call you with requests as some pirates do. Just give out your number as one side of a "cool" looparound and you stay dialed to the other side looparound and you stay dialed to the other side (preferably the tone side). As long as you keep your wits about you and do not try to challenge a station like WABC on their own frequency with more than their buydou watts, you should be OK. The above hints serve only as a motivator to get you thinking and I urge you to do a lot of research and get to know what you are doing before going on the air!. I will be glad to answer any specific questions or comments. Send them to The Adultion questions or comments. Send them to The Mayician, NEWSLINES

Did you ever hear mention of the ATTT newslines ? Or perhaps you may know of a few ? Well for the uninitiated, they are the "confidential" numbers at area phone offices that telco employees call, For the latest info on new technology, stocks etc. The reports range from boreing to very, very interesting ! Here they are: (Sequenced by NPA)

201-751-9931	,	LN	513-421-9060	,	OH
203-771-4920	,	CONN.	516-234-9914		NY
212-393-2151	,	NY	.518-471-2272	,	NY
213-621-4141		CA (LA BELL)	617-955-1111	,	MA
213-829-0111	,	CA (LA GTE)	702-789-6711	,	NEV.
213-449-8830	,	CA	713-224-6116	,	TEX.
312-368-8000		ILL.	714-238-1111		CA
313-223-7223	,	MI	717-255-5555	,	FA
314-247-5511	,	HO	717-787-1031	,	PA
408-493-5000	,	CA	802-955-1111	,	VE
412-633-3333	,	PA	808-533-4426	,	HAWAII
414-678-3511	,	WI	813-223-5666		FL
416-929-4323	,	ONT.	914-948-8100		NY
503-228-6271	,	OR	916-480-B000		CA

Many of the above numbers do not sume. However this status changes from time to time so listen' carefully for suping when calling.

I would appreciate any additions anyone has to the above list, Just send em to me c/o TAP.....

# MAGICIAN

# THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. - Rejected by

Los Angeles — Rejected by the law enforcement industry as impractical, the 50,000 volt Taser stun gun is geiting a fresh look and now name as its manufacturer shoots for a different market—the crime strick-

en public.

The weapon fires two electrified daris that temporarily disable victims. It was introduced in March 1977 as a non-lethal alternative to the po-

lice service revolver. But police the Taser's high voltage can kell weak-hearted, while it still does not

provide chough protection to by an a police weapon.
The gur's image that tarbifular several well-publicized shouther several well-publicized shouther form a case, a woman received P and protection for a state of that frequently and a case of the state of the state

# — letters to the editor —

Ah, Thomas, you distress me. I recognized my typewriter in your latest issue, and I feel pressed to respond to your response. At least I got front page...you must have really gotten heated up.

Now, those two issues were dandy, just chunk full of go useful material. See what you can do when you set your mind to it? As I noted in the previous missive, we of the everyday world subscribe because we know little of the wondrous ways of the world of technology, and we wish to learn from the experts, researchers, and other fools who fence with the fuzz on our behalf.

Not for a moment am I ungrateful...better you than me whose ass is on the line. That alone justifies the pri of the subscription, and perhaps those occasional busts provide positive information for the faithful.

Provide posterior information for the faithful.

People are, as you suggest, basically lazy. They are also basically stupid (read 'uninformed'), and for such a reason, they seek new informational horizons. I cannot begin to tell you the great joy with which your publication is received in the bureaucractic agencies here in Washington. I am frankly surprised that huge numbers of underlings at such places as the FCC and similar lodes of information aching to be mined, have not yet turned on the upper echelons by supplying you with a legislative bypass portfolio. (Hear that, bureaucrats? Your input need not be resistors and diodes; it can also be more cerebral). Also, I know of a few very high level people in a leading computer firm are subscribers. They might get some perverse joy out of letting us in on the creative quirks of their toys.

## But I digress.

But I digress.

My original complaint stands. When you spend your space bitching, the publication isn't worth it. When you deliver, it's OK. We subscribed to learn from those who know, not to begin a career in phantom journalism. I surely sympathize with your problem, but I am uncertain that your assessment of the solution is accurate. I also subscribe to Time and Playboy, but have never had either that your assessment of the solution to visit their offices during 'open house', much less write their cover story for them. As many of your articles have noted, there is an incredible amount of information tucked away in odd corners of magazines, books and technical journals which is either directly applicable or easily adaptable to our common interest of corporate guerilla warfare.

Some creative use of the Dewey Decimal System might be in order by your extensive staff of technical journalists.

I shall now submerge again to Middle Earth to pick the fuzz off my feet.

Wash. D.C.

To the Editor:
I'vest the article on phono-phreaks, and thought
that, purely for their information only, your
readers would be interested in some of the ways
that Ms Boll uses to detect them for them.

1) The long datatons brequencies must be
reven recognized. Also, moders sequented in some transmitting them as trapended pulses instead of
square pulses. These are much more difficult to
generate, pass through the normal switching
equipment, but can be distinguished by anti-read
2). A blast-box call appears to the billing
equipment, and as nog 900 calls, and all the other
pulses of the complete of the collection of the complete of the collection of t

If the caller dialed a long dataner, number that didn't answer and just leit iring for an hour or so. Cearly trap can be installed for this.

1) Blue bonze and black house only work because the phone company does signaling and black properties the phone company the phone company and the phone company on the phone company on the phone company on the phone company on the phone company of the phone company of the phone company of the phone company compa

b) Some pay phones send a single the central office when a coin to fropped in, independently of the tene indicating the value. Some phones on will (or already are) send a pulse for every is that the coin is worth set that the central effect computer can automatically count the trooper.

will (or already are) and a pulse for every a; that the coats in worth so that the coats? I office comparise can enteratically count the money.

If the phone company gate semplement, they are all the properties of the coats? I will be a semplement of the semple

Dear TAP:

I thought that I would make a few points about Power Bus's letter in the January/February issue.

letter in the January/February issue.

I agree with Power Bus about obtaining a copy of the Motor vehicle Code of the state you're driving in. Generally speaking, however, and this especially applies in a large metropolitan area, there's no problem at all in finding a lawyer to take your case. They're the guys standing in the Traffic court lobby wearing three piece suits, with or without matching accessory briefcases (9° by 14°). The great advantage to using these shysters is that almost alwing your caue will be thrown out if you show up with a lawyer, unless you've done something really horrible. For the average speeding, or missed regulatory device violation, there's no problem. Many Traffic court is a revenue court and they are concerned with getting as much money in as short a period of time as possible. A lawyer can effectively tie up a court for one or two hours on something trivial, so it's more cost effective simply to let these people who show up with lawyers off. The lawyer operates on the same principle: volume. Because of this, (unless you are about to loss your license) the fee for the lawyer will be about what the fine would have cost, and of course, there's no mark on your record.

For many people, the driver's license is essential. If you

For many people, the driver's license is essential. If you attempt to try your case yourself (and you better be good) odds are you will fail, and many states don't give you more than a couple of chances. With street smart counsel, it's almost a sure thing, and you don't have to worry at all about losing your license.

Secondly, if <u>you</u> or your lawyer ask for a continuance, the lack of prosecution 45 day defense doesn't apply. It only applies where <u>they</u> delay more than 45 days. There is a provise like this in most states.

Finally, while my suggestions are good for the large city offense, if you're out in the stix, forget it. Small county judges are normally quite willing to let you sit and yap for hours before assessing a fine with costs. If you take into account the extra time it took to get out there on the day of trial, and raturn, it's better just to pay and forget. If it is out of state, and you don't often return to the state, you may be able just to forget about the ticket, as long as you haven't posted bond. This happened to two friends of mine: one in Indiana, the other Mississippi. Both tickets were for speeding on the interstates, and nothing has come out of either. (Though they have avoided returning to these status, or letting others drive while passing through.

28.7 IS BMF. Black convenients reminally touches on the leaves rise of the Bell Twisphone system, here are some numbers for four next discussion. ATAT is the but and the state of the Bell Twisphone system and the state of the



#### FUN WITH REMOTE TRANSMITTERS

By now everyone knows about the ingenius use of remote transmitters by the British and others. However, not all of us have such asbitious plans. For those that do let us recommend for Oracfriti Caubit by Alas Mingata. I have here some little diversions that use simple equipment and involve minimal risk. Think of them as beginner projects.

ALARM SINTESS

Alarm systems are particularly valuarable to the manipulations of a knew-ledgeshie premister. The owner and at least one palice unit are tied up for hours on each arais.

For the matal foil on the doors and windows of nearly every rip-off store in Amerika, I recommend the following precedure. First the store during working hours and use a rance blead to out a thind line there one of the foil strips. Since this breake the circuit (but leaves se obvious trace), the alarm will go off as soon as it is activated, the source will have to leave his store unguarded or hassal with the repairman.

For sound detectors one could use a simple oscillator and speaker attached to a timer olicinit. The entire circuit, complete with battery, will be smaller than a cigarret package. The timer should softwate the oscillator several hours after classing and the andis output should so that the the units ranger flats will ast off the sould setsoid detector and attract all types of curious persons. If you set your 'disruptor' to turn off before the security people arrive they probably wen't find it and you can use it again.

Ultasonic and Hisromore detectors are treated the same my, emept the activation is a different range. Read seem alle papear Electronics for ideas along this line.

Track those mares just like they track youl Just build a simple AH or PH transmitter in the broadcast bands. Add an audio oscillater and a timer to 'beep' the output, and you have a cheap device that could be attached to anyone whichle. Be sure to design a 12 well convutt se you can use available power. Depending on the power output of your transmitter, one can usually detect the 'beeps' up to a mile sway on sees 'requestions,' to get the most good set of this one needs to advise all sees friends that a high-tomed beeping on 710 has means the target whiche is nearby. The has been runsered that some phreak used this banio plan but had a taped message on an endless loop. The transmitters were low power and tuned to one of the most popular stations, attached to police cars and treated quite a few people to a cometant stream of verbal abuse that seems to only coour when in close premising of a police our. All of the messages were like radio messages te and from police so people assumed the radio was ploking up the police radio.

This same ploy(with your own personal message) can be done with a car tape player and a CB redio. Detroit is now providing this equipment as factory spitons on Gan Gunzlare. If one should find such equipment untended, then he should activate it for the people.

# FIRST WAVE - Nick Haflinger

- To 'A.C.' (TAP \$05) Concerning those non-reproducing Lindy pens, Someone wh werks with micrefilm mechines teld up that the machine is just not somutive to the red band. This means that you can use a red FLAM for the same purpose. I'm sure its not illegal to write checks with a felt tip marker.
- A few words on Bell's private Tv network, Bell is required by federal law to maintain 2h hear beshup for the national television network. I presume this is part of the civil defense plan, Bell however, does ut like to one all this is part of the civil defense plan. Bell however, does ut like to one all this conjugate that standing by so they use it for a private communication network. The signal is transmitted on video frequencies over storowere ruley and the muito is corrided on lease lines that we probably pay for. The system is used like a two-may closed circuit Tv.
  To find out more main friends with sems television werkers or storowere equipment repairmen. Mould'nt it be nice to TAP in.
- About those military MEF tomes. Here you thought about your friends in the national guard? Host of them (well, the younger ones) down give a shit for the grand. Try scenome on a S.A.C. base aims they have more of the 'scoret' gener, and den't forget your Guard friends as a source of parts either.
- One way to play it eafs with full Free calls is to use a good number to beep off of. To build your list of 'good' numbers, write down the number of the TV specials. In my area I am constantly bombarded with those silly advertisement that sak you to call ## for your free shatters, bell it should be obvious that the hell cast's with every library. Helly your special calls using these manhers just a comple of hours offer they are used in a commercial.
  Also, about two years ago I saw a book of full Free numbers, Does anyone known serve about this?

If the Fourth Digit Is:

Checa Digit In:

1981 credit card code



Live Better With ... FREE Movies

### by Claudius I

As some of you may have noticed, many hotels now offer in room first run movies on the televison set (for a nominal fee, usually ranging from \$3-\$6).

There are two variants of this system. One involves calling the hotel desk, and requesting that they transmit a requested movie to your room. Our department is unfamiliar with this system - details would be appreciated.

this system — details would be appreciated.

The other system involves a modified set. The customer (hotels have the annoying habit of calling them "guests", but nobody who charges me \$68 per night can call me their "guest"), simply tunes in the movie he/she/it desires, and recieves the bill at checkout time. In order to save the trouble of rewiring the entire hotel, a single cable is used. Each television recieves the signal over this cable, and transmits information back to the c.o. (to use a teleo term). Naturally, it is necessary to uniquely identify the individual sets so as to know whom is to recieve the bill. There are usually two dip switch packages mounted on a printed circuit board in the television set, or attached box. These switches are set to a binary value which tells the hotel billing machine who is watching what. Simply reset these switches (remember what they were so you can reset them later), enjoy the movies, and reset when done. Although probably an unnecessary precaution, it is wise to use a different switch pattern each night, and leave the unit in its original position whenever you are not occupying unit in its original position whenever you are not occupying the room (or suite as the case may be).

It will probably be necessary to use a screwdriver to get at the dip switch assembly. Once open, it should be fairly simple to find - after all, this is an adjustment which must be made to every set before installation. One more thing - try not to giggle when you see some sap arguing with the desk clerk about being billed for movies he did not watch.

Por those of you who need a bit of clarification on this concept, I suggest you read the manual to a Sears garage door opener. They use a similar setup so that your neighbor's opener won't open your door (or vice-versa).

This is my first TAP article. I will be a regular contributor providing that Mr. Edison considers my work worthy of inclusion in this journal.

# 5-finger discount

NEW ULM, Mann. — For several years, residents of this commanuity of 13,000 wondered how Meree Cocking could consistently sell for less shan Leuthold-Jenson next door. Police have a theory. They have arrevised Pred Memo Jr., owner of Menne Clothing, and charged less man of a steele merchantine — steele from Jr. and the merchantine — steele from Jr. and the prediction of a steele merchantine — steele from Jr. and the programme of a steele merchantine — steele from Jr. and J. and J.

Well, don't panic! !ook at the bright side...with CCIS our illeral calls will sail through with only a mere 14-12 ms trunk time. You, with that in mind, let me explain how to terminal jumn.

First, let me explain terminal boxes ("cans"). As the outside cans are generally more accessable, I will dwell on them. The largest cans are about 3'Mx2's'Mx1'D & occur singally or in groups of 2 or 3. This type holds about 900 - 1200 pairs. (Larger cans are riskey buisness...) These biggies are made by 3-" and hold a cable/ID system that they call "2. Mext comes the middle sizes, approx. 3"Mx0"Mx6"n. and the small "drop boxes, about 3"Mx4"Go..
"he larger of these two is the SAI box, while thedrop is
the splice for 3 or 4 lines. Other, smaller cans are good too. and can be found almost anywhere especally aerial drops,

Now, for tools, get a set of ratchet wrenches (not crescent, adjustable, etc. They won't work!) with \( \frac{1}{2} \) A down sizes, a pair of bolt cutters (optional), a penlight, your book of numbers, and a box of LaChov chicken eggrolls. For your phone, numbers, and a box of LaChoy chicken egerolls. For your phonume something small, and herd-wire a few feet of whre ones the network. Talways use a couple of tend-well (but5-ln4) but I realize they aren't castly obtained by evrybody, so...Also, go with dial, not T. I realize it can be a pain for some of you auto-dialers, but at 2 AM with 30 deg. outside, it is a pain looking for a T line.

Oh! As you become more involved with jumping, you may want to obtain a Bull System hard hat, a set of "helt tools", a couple of 100' rools of #22 solid, and a manhole "cover, puller". The first 2 make you look good, the second 2 come in handy occasionally. I had a guy fall for a Bell hat in a CTE over code. a GTE area code ...

So, find a can. In the Bull Sys. they usually aren't locked up, but in some independents, all are. "aybe Pull-Boys can't remember combinations. Anyway, if you can pick it great. If you are like me, chop it off and hang onto it!!!
(nothing worse then cut locks laying around) They think some ass lineman just forgot it. Open it up, and the pairs are arranged this way: (Bull & most others)

Thus, pair #1 is white-blue, pair #2 is white-orange, #23 is violet-green, etc. In large cables, the banks are wrapped in color groups that are the same - bank 4, line 17 would he the yellow-orange pair in the white-brown bank. This should save some searching, as white-red, etc. is no good.

Anyway, clip on a line and go, If the box is nearby (I should hope not though) leave your phone off the book before you so. If you tap on and get the off-book message, or the warble, so to a new pair. If you are at a '82' box, there is a clip and set of test wires inside the right door, along with instructions on how to use them. When you are done, take the connector with you. It comes in handy when you want to call with a fellow phreak. Also, in some areas, you can dial #11 + 3-7 and get overseas direct. If not, go through the operator. (Caution: at TSPS stations, the operator will ask your # to see if it matches what the console says. Some areas have a # you can dial to get your ", as a test of the system. If you are lucky, she wont ask, but it is always better to find out if you can.)

Anyhow, give it a try. And after a good night of calls, it is proper to preheat the oven to 400 and cook your eggrols for 10 - 12 min. Serve with cocktail sauce, and Big-K cola. Happy calling!

Phlash Bazbo

65

"I like men who have a stare and women who have nast." — Oscar Wilde.

RING JOB by Grandfather's Ghost

Sooner or later in our career as phreaks we run into that unpleasant lock - the handouff lock. Knowing how to open these can mean the difference between placing yourself at the mercy of a Legal Aid lawyer or leaving them with nothing but your fake ID and a dangling chain. Don't panic; stage magicians have made a living for years getting out of hand-cuffs, and that's not because they're hard to open. Best thing to do is borrow a pair (a 300D pair-Smith & Wesson or Peerless) from your local novelty

Smith & Wesson or Peerless) from your local novelty shop and practice; examine the mechanism and get an up-close look at how they work. Breaking the cuffs involves hacksaws, heavy screwdrivers, etc., tools that are usually not available "in the field" so we will concentrate on the two most common subtle methods of opening or "springing" handouffs.

METHOD #1 - The Shim. The shim is a thin strip of metal about 2" long, about 0.14" wide and no more than 0.01" thick. It's purpose is to separate the two ratchets (one on the "jaw" or rotating section, and one on the locking mechanism) that hold the cuff over

and one on the locking mechanism) that hold the ouff shut. To use the shim, slide it into the cuff over the teeth of the jaw, while pulling down on the jaw to prevent its tightening. (With practice, and if you are SURE that the shim is entering the ratchets you can allow the cuff to close and carry the shim with it to get the shim past all 3 ratchets on the locking section.) The inner ratchets are on a spring and will press down into the body of the cuff, allowing the jaw to slide open. Under two conditions this method will not work - a) The handcuff contains an anti-shim wheel or gate, or b) the cuff has been double locked. This means that the end pin or lever has been pushed in to prevent rotation of the jaw in either direction. When this is done the lock must be picked twice, once in either direction, so on to:

METHOD #2 - The Key (or a reasonable facsimile). The lock of a handcuff is among the simplest possible, depending on its small size for security. The keyway is also blocked by a post which acts as a pivot for the key (which has a hole in the ond to

wot for the key (which has a hole in the end to match) to turn on. You get two with a pair of cuffs, and Smith & Wesson keys will fit Peerless, though and Smith & Wesson keys will fit Peerless, though not vice versa. Cutting part of the handle off a key will make it very concealable, and not affect its operation. A piece of spring steel like the one you used to make your shim can be out and bent to act as a pick. Also, the metal barrel refills from some ballpoint pens will fit the shaft, and if a section of the bottom is cut and bunt up, it will work as well as the intended key. Good luck with your magic act!

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on, there's more to Me than just ere are acquisitions, mergecs, of of business..."

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