

**TECHNOLOGICAL
AMERICAN
PARTY**

OCTOBER '73

NO. 22



SPIRO AGNEW- is it really an anagram-GROW! A PENIS???
-CCR-

TAP DA.

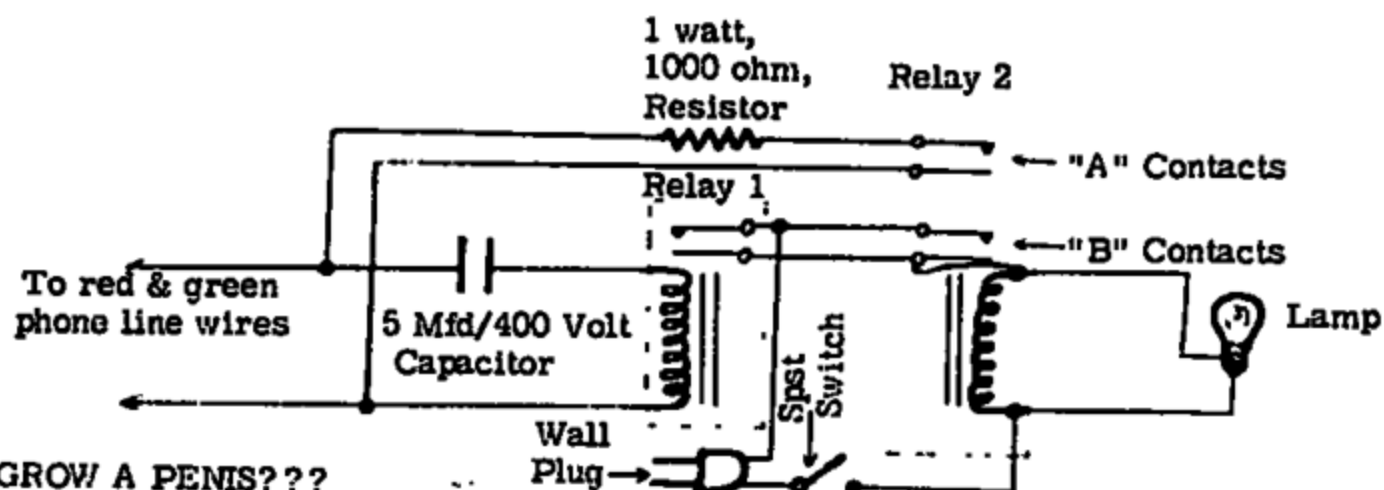
Destructory Assistance has a new list of subjects out, which you can find out about by sending us info on that or another subject. If you don't have info to trade, don't worry, we edit and condense the material and put it in TAP. To trade info with DA, just send us a stamped, self-addressed envelope large enough to hold the info you want, which we'll try to find for you. Wait a couple of weeks for us to dig the stuff out of our files. We've got different schematics for blue and black boxes, articles on bugs, a copy of the Bell memo on tandem stacking, newspaper articles on phone phreaks, Free electric and gas meters, and lots more. This is TAP's major source of info so please help us out. Our list of subjects is free with an envelope as above. And if computers is your thing, write to HEAD CRASH- DA's computer password and information exchange to trade info.

And if you're a computer novice, write for Head Crash's new Beginner's Course on Computers (50¢). More Head Crash Courses will be available soon.

NEW RATES !!

Back Issues are 50¢ each.
Subscriptions - 12 issues - US Bulk rate \$5.
US First Class in plain sealed envelope \$7.
Canada & Mexico First Class \$7.
Foreign \$8.
IMPORTANT! Include mailing label or Xerox copy when writing to TAP about your subscription.
Back - Monopoly \$1.20.
Electronic Courses - 50¢ each A - DC Basics, B - AC Basics, C - Phone Basics, D - Amplifiers.
TAP T-shirts \$4. Specify size: Small, Med., Large, X-Large.
Send only check or money order (No Cash) to
TAP, Room 418, 152 West 42 Street, New York, N.Y. 10036
This is a mail drop only.
OFFICE: 1201 Broadway, Room 608, New York, N.Y. 10031
HOURS: WEDNESDAY, 5 - 9 pm.

BUILD THE ANSWEROO



The Answeroo is a handy device offered by no one (yet) that answers your phone before it rings. This is especially useful to lovers who live in their parent's homes and like to call each other late at night. Instead of the phones in the house ringing, a light or other appliance (radio, TV, etc.) comes on. You can then go to the phone, turn off the Answeroo, and talk.

Relay 1 is the Line Relay (Issue #17). When the phone rings, it sends current to Relay 2 and the light. Contacts "B" lock Relay 2 on, and Contacts "A" put the phone on hold (not free). Using a 56 volt zener diode in place of the 1000 ohm resistor would give a "free" hold until you answered the phone, unless you then answer with a Black Box (Issue #11). The single-pole, single-throw on-off switch, two 115 volt AC relays (one of them should be double-pole, the other single-pole, for relays 2 & 1 respectively), the 5 mfd. non-polar capacitor (200 volts or more), and a resistor are all you need. Cost-under \$15. Have fun!

HELP IS NEEDED

We need more information on the following topics for upcoming articles in TAP.

Toll Fraud Detectors and Detection Methods, and especially Black Box detectors (Hekiman Labs). We already have Teltronics info.

Getting Free Gas and Electricity - **IMPORTANT!** - If you know anything about it please write in quick!
Magnets - We'd like to know all esoteric uses for magnets that you know of.

DEFENSE FUND

Please send whatever you can afford to prevent Abbie and his friends from being sent to jail for life (no parole for 15 Years), because cocaine is classified as heroin (though it is non-addictive and shunned by junkies). Send your support to Abbie Hoffman & Friends Legal Defense, 640 Broadway, N.Y., N.Y. 10012. Please don't send cash. Thanks.

Hi-

This may end some of the confusion about the number to call which gives you a computer-generated voice telling you your phone number. In NYC there are 4 numbers-They are: 730, 840, 958, 880. One will always work(except in a few C. O. s) The numbers rotate each month. Other boros may lead or lag 1 month. List is for 1973 but I think it will be same next year.

-FLH, NY-

TAP-

You might tell Phellow Phreaks in NYC that there are three different 3-digit numbers to dial for finding out the number you're calling from, and that they are regional. What's more, Pa Bell likes to switch 'em now & then to confuse us. That's the reason(they're regional) that one might work for one area but not another. They are: 958, 311, and 221. If N. Y. C. telephone subscribers have suspected that the number of "additional message units" they're being charged for on their monthly bill is too high, it's probably true. I got it on good authority (a former operator) that NY Tel routinely overcharges customers on additional m.u.'s every month. And they get away with it since message units are not verifiable, because they are not itemized like toll calls. You have to take their word. The padding takes place not in the computers but in Accounting, where Pa Bell's hard-working CPA's are under orders to pile on a heap of extra message units because who'll be the wiser? And when one complains to the B. O. Rep. that he keeps track of his calls and couldn't possibly have made so many, we're told that they will "check our equipment"-a ruse, a diversionary tactic, because that's not where the skullduggery is being done. Get it?

-H. R. Holdafone-

Dear TAP,

There existed among the gang back in Vancouver some very sick minds who delighted in setting various parts of a payphone on fire. What they would do is open the phone book up around the middle, pour gasoline on same, placed a paper cup containing a particular mixture in it upon the soaked book and walk away. In about two minutes, the book would be aflame and would parboil the plastic handset into submission and if the booth itself was molded out of plastic, a cheerful blaze greeted the pigs and other such carbon compounds. The mixture in the cup was about half a heaping teaspoon of Potassium Permanganate(chemical and hobby stores) and, to be added just before an innocent departure, one drop of glycerine(drugstores for ointment use). This pile of goodies usually erupts into a white hot flare capable of igniting almost anything, including gas fumes. The reaction, by the way, takes from 30 seconds on a hot day with finely ground Pot Per to 6 minutes on a cold day with clunky Compound P. Also ideal for quiet little garbage cans at school or maybe even Telco vehicle's gas tank in a small baggie or a gas sodden piece of construction that you feel is bad for the environment or simply remote & safe ignition of fireworks. Fagen Das Telefunken Gesellschaft!! Freundlichst,

-BW, MANITOBA-

We have some inexpensive instructional plan sheets for the display models featured at the Convention. The 2600 whistle perfecter is a 2600 detector similar to existing toll-fraud detectors. The Displayed Red Box is similar to Issue #16's circuit with an improved IC timer, LED lights to demonstrate operation, and a few other improvements. The circuit can be used as a portable with a few changes we explain, and is far more reliable than the older circuit. The Dual Tone Oscillator is a circuit for demonstrating signalling tones, and can even be used as a simple blue box. The sheets are 15¢ each(free if you can't afford it). We also have copies of the Convention schedule(free), including Cap'n Crunch's and Joe Engressia's #'s.



Dear TAP,

When using a blue box to call any country which is on the IDDD list, if it has a 2-digit country code you can leave off the zero from in front of the country code once you have obtained a register(i.e. -KP61 22074 ST instead of KP061 22074). It will be treated as a customer-dialed call, which means you won't be able to reach the inward or other operators. If it is a 3-digit country code then it will be automatically treated as a customer-dialed call unless you use a special "operator country code" which starts with 0 & has no relation to the regular C. C.

-H. GORDON LIDDY, NY-

To Destructory Assistance-

Two IOTC accessible areas are 202 and 713. Any WATS number such as 800-392-XXXX or 800-424-XXXX to these areas will work. Also 800-447-XXXX. (IOTC means you can box KP 011 country code ST and you'll be automatically routed to the correct 18- sender). Is there a direct route to Moscow off of the 182 sender?(White Plains) I've been getting some overseas point by dialing KP182ST, KP171121ST. It's usually a busy signal (distant) and when I call Japan and ask for Moscow she says it's too early in the morning and they don't answer.

Dial KP713 141ST or KP202 141ST and ask for "overseas routing for Paris, France please", or whatever. Ask for IOTC. She'll give you all the routing instructions(ignore "Mark XXX..."). Call KP713 151ST. It's called "1st attempt failure desk" and it will record everything you say to it. Play a radio newscast for them or talk about phone phreaking.

-SW, TEXAS-

NOTE: You can reach a Moscow Test Center by using overseas sender KP188ST, (although it's supposed to be served by NY4, 183) or IOTC KP011071ST, then KP071 095080ST, when the trunk chirps play KP01 6ST. A Moscow test board will answer. They often speak some foreign languages(including some poor English). Also, try Israel, 972, or just 72. Here are some cities:
2-Jerusalem 53-98378-Tul Karem 65-23854-Genin
3-Tel Aviv 53-98373-Nablus 2-97-Hebron
4-Haifa 59-Elat 2-922610-Auja
53-Natania 65-Afula, Nazareth

Dear TAP,

Did you know the restricted line feature of many Centrex installations can be bypassed? One may usually call outside by dialing 9 for an external dial tone and then dialing the number, provided that it lies in the local area. If more than 7 digits are dialed a recording comes on. But this may be bypassed by dialing 9 then 0 followed immediately by the first digit of the # then complete dialing of the number without the area code. When the assistance operator comes on insist that you have been having difficulty, reaching the local number even though you've been dialing the area code. Then you ask her to try the number for you, billing it to a credit card or the centrex line. This info should be very useful.

-JA, NY-

Dear TAP,

Toll restrictors are usually used at motels that have direct dial out type phones. A typical one will say "Dial 8 for local" "Dial 9 for long distance". When you dial 8 or 9 you will get another dial tone and then you can proceed to dial your own local number. Some phones you can dial info and/or 800 without the operator coming on the line but these are rare and on most types, the operator comes on the line and makes your call. The toll restrictor will not allow you to dial "1" in order to make your own long distance calls. However several of these restrictors only protect the first and second digits and can be beat in the following way... Dial the one digit shown on the phone to make local calls (usually 8) then dial the first two digits of the exchange you're in plus the digit 1 and you will find a new dial tone and the world at your fingertips. You may dial direct and the motel line is charged for the call, or you may use your favorite box without worry, assuming you have used another name at the register.

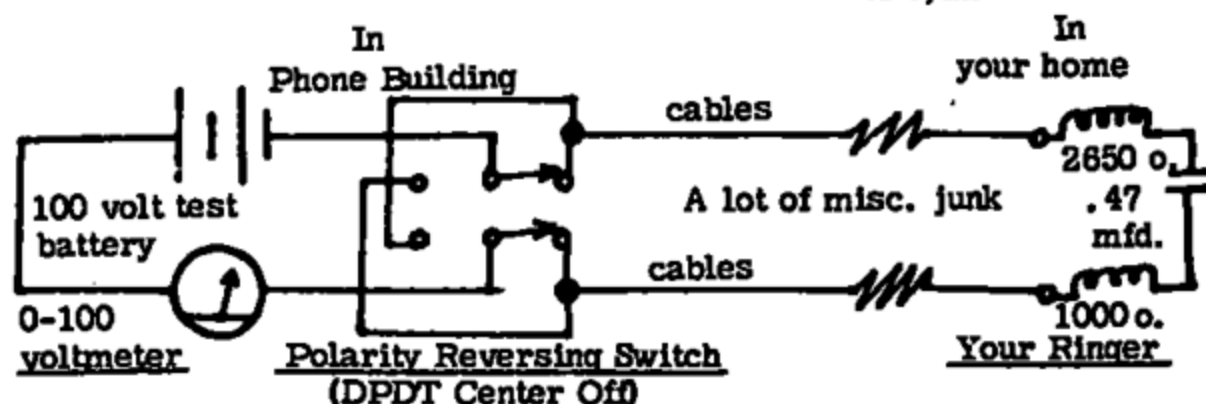
-Sparky-

Dear TAP,

I am an electronics technician by trade and a past employee of Pa Bell and Johnny General. I have been a phreak since 1956 when I made my first free call.

The resistance of the ringers is not the factor measured when friendly test board "bridges" your line. The circuit(basically)that they use is as follows:

You will recognize the circuit as a simple ohmmeter, but why is the voltmeter connected in series? I don't know but Pa measures current with it. "100 volts of short" means a dead short on the line. Zero volts, an



open. Now the important part, the reversing switch. The testboardman flips it back and forth and the bounce of the meter(hook an ordinary ohmmeter to a capacitor and reverse the leads and you'll see the same effect) lets him estimate the # of ringers. Cruddy insulation, temperature, and distance from the C. O. affect readings. A key telephone may look like 3 ringers, etc. Capacitance is most important with the D. C. winding resistance next. At one flip per second, coil inductance is very important, too. As for detecting phones without ringers, Pa Bell can't do it. I have 17 telephones and a key system(I use my own "one bell simulator", 3650ohms and .47 mfd. in series). You can safely connect as many ringerless phones as you like. Peace be with you on the tandems forever(ka-chirp).

-Almon B. Strowger, CA. -

NOTE: Connecting extra extensions is in Issue #1.

HOW WE CATCH RED BOXERS

by Milton Moritz, United Telephone System

I personally view the red box as a much less dangerous item to us than the blue box. The basis for this is as follows:

1. The red box does not work on all pay phones. The electronic tones which it produces match those of the new "single slot" pay stations. Older pay phones still use the two internal bells to register the coins dropped into the phone.

2. Telephone operators are trained the electronic tones. Our pay stations all produce exactly the same tones. If the red box is slightly out of adjustment, the operator will normally recognize the tone as abnormal and report the call for further inquiry or investigation.

3. Each toll call, whether from a residence phone or pay station, is rated and billed by our computer. The amount of money collected from each pay station is also reported to data processing and a computer printout compares the calls billed to that station against the money collected. When a pay station starts going "short" we immediately check to see if this is electromechanical failure, operator error, data processing problems, internal theft, or external theft. Thieves and cheats are, like the rest of us(our emphasis), creatures of habit, and their activities will form a pattern in a fairly brief period of time."

Security Letter is an anti-ripoff newsletter for corporations that is itself a ripoff at \$48/yr., and who attended our convention last year without permission to rip us off and report on the convention in Telephony. Ed. Robert McCrie's latest issue, we're told, rips off part of Ron Rosenbaum's excellent article from the Village Voice on our second convention. If you happen to be receiving SL, you're wasting your money. The articles are a waste and filled with (stolen) errors. anyway. -TAP.

Dear TAP,

In a past issue, you told us about Security Letter, and I sent off for a subscription. Why the fuck didn't you people tell me that they also charge \$48 a year for a subscription to their 4-page deal that comes out every 2 weeks. A little hint about sending telegrams by phone: I sent one to Florida on April 29, and didn't get the bill until September 1. A nice little thing to keep in mind... You mentioned this obliquely in one issue, but I thought I'd clarify it. To get a call for a nickel on a fortress phone: insert a nickel. You will hear a slight change in the background noise. Hold down the hook switch until you hear a very faint click in the handset, about a second. Let up the hookswitch, and you have a dial tone. Unfortunately, the dial will not be connected, so you have to tap out the number on the hookswitch, which takes practice.

-CS, HOUSTON-

Dear Persons,

Under the bank Security Act, passed several years ago, all banks that handle checking accounts must make photo copies of all cancelled checks and keep microfilm records in their central records dept. These copies can be inspected on demand by Treasury Dept. agents, without any warrants whatsoever. When the Fed snoops get around to harrassing radical libertarians(individualist anarchists) then I'll be under strong possibility that Big Brother is watching my financial transactions. Until then, however, I'm not going to give them a head start over a miniscule 50¢ check to YIPL. (I'm not saying "I don't care until it hits me"). ACLU, Proxmire and others are fighting the Act, but Chairman Patman of the House Banking committee is for it and won't hold hearings on it.

-RE, NY-

NOTE: TAP suggests readers send money orders, which need not contain your real name or address.

Ma Bell's Ripoff Warning

Pacific Telephone Co. displeased over the growing gamesmanship of its customers who deliberately won't put postage stamps on envelopes used to pay their bills, took stern steps yesterday to stop "the eight-cent rip-off."

The company started yesterday mailing warnings to all of its six million customers, telling them to stop the illegal practice — or Ma Bell won't accept their mail.

About 23 per cent of the customers — about 135,000 per month — have been leaving the stamps off.

In addition, a phone company spokesman said, the errant customers could face Post Office fines of up to \$300 for failing to put stamps on mail "with the intent to avoid payment of lawful postage."

The phone company estimates the practice — growing in popularity in recent months — could cost the telephone company here about \$100,000 this year to make good on "postage due" envelopes it receives.

The stiff price of the no-

stamp game, company people said, will certainly be passed on to telephone customers.

Here's what the phone company has in store for the customers it describes as "postage offenders":

- The Post Office, acting on a phone company complaint, will now intercept all mail to Pacific Telephone that does not have a postage stamp on it:

- If the envelope has a return address, carriers will take it back to the sender, collect eight cents for postage and ten cents for handling, and the sender will have to pay another eight cents for a new stamp to mail his bill

- If there is no return address, the Post Office will open the envelope in an effort to locate the sender, and, if it can't, postal officials will destroy the checks or money orders or return them to issuing agencies to stop payment on them.

- If the payment is in cash and there is no return address, the Post Office will eventually turn the money over to its general fund

(used to pay claims on insured mail).

Phone company officials said yesterday that in where the Post Office intercepts mail and is unable to find the sender, the customers will be considered delinquent on their bills.

Since the average household telephone bill in the Bay Area is \$15 per month, the phone company officials admit there is some risk to the company treasury in the crackdown.

"We don't think we will lose a substantial amount in the first place," said a spokesman.

"In the second place, we believe our warning will solve the problem."

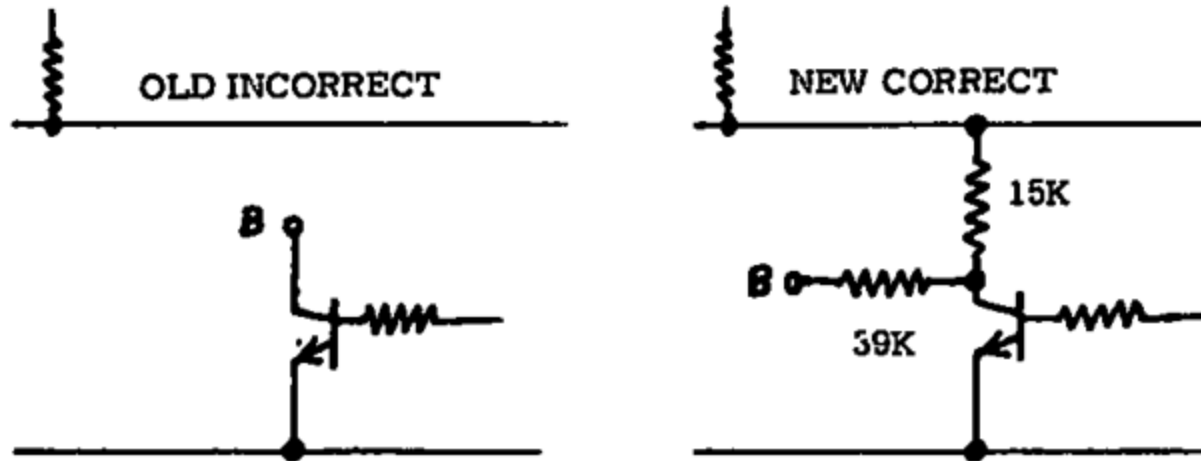
Pacific Telephone, estimating a 30 per cent increase this year in the no-stamp practice, is not alone, of course, in the field.

Other utilities — especially Pacific Gas and Electric Co. — along with banks, insurance and oil companies and big department stores all get caught with postage-due messages from their most loyal customers.

Nothing mentioned about many EMPTY (or stuffed with bill envelopes folded). Hal

-CALIFORNIA-

CORRECTION



One more correction to the Displayed Red Box sheet.

Published for informational purposes only by the Technological American Party.

-P, ARIZONA-

TAP, ROOM 418., 152 W. 42 ST., N.Y. N.Y. 10036



You can now learn about Electronics easily and quickly with our new Correspondence Course. The first one is on Basic Electrical Concepts and includes a few TAP-type projects and easy-to-read explanations of electricity. By reading this and others coming out each month you'll learn how to build any of the projects that have been printed by us in the past. You'll learn how to read schematics, buy parts and materials cheap, safety, etc. You can no longer say that what we publish is above your head because any beginner can learn from these courses. Women are especially urged to take the course as they usually have a fear of electronic concepts and this course will be understood by all. Let's hear from you! It's like a back issue and is 50¢, and free if you can't afford it (let us know).

Dear TAP,

Bell's PR dept. has free films available on various topics such as TASI, ESS, EDDD. Call up telco business office, and say you would like to find out about renting phone co. educational films. Put on your best Sunday School voice, and tell them that you're in charge of programming for your church youth group (that's how I found out). If they ask what church, have a name ready. They have a nice brochure, and some of the films are very informative.

Have you ever mentioned the fact that out-of-city phone books can be obtained free from Pa? Just call the business office and say you want to get a phone book for another city. They'll switch you to the rep. for your exchange. Give her the info, and she'll (or he'll) get your name & address. If they ask why you want it, just say that you've just moved from there and have a lot of friends there. When they ask if it's a business or residence, say residence (they charge businesses more).

Dear TAP,

Just thought you might be interested in a few pieces of information. First of all, a guy named Dial has invented a lie detector that can be used over the phone. Fun, huh? It measures the stress in a person's voice. He also said that he had sold them to P.D.'s, Gov't. agencies and Big Corporations! What corporation has more voices to deal with and is larger than our friend Pa? Don't get stressed when calling! Right!

For you bugged phreaks, Samuel Line, Jr., Vice-President of a Bell subsidiary in Penn., says, "We have been historically against wire-tapping". However, Bell provides a line to the FBI if needed directly from the tapee's home.

You can beat the simplest type of bug (A transmitter in the phone's microphone) by ripping a new mic. off from some other phone and replacing your transmitter with it. If you bang a payphone long enough, the mic. will loosen up. Keep up the good work.