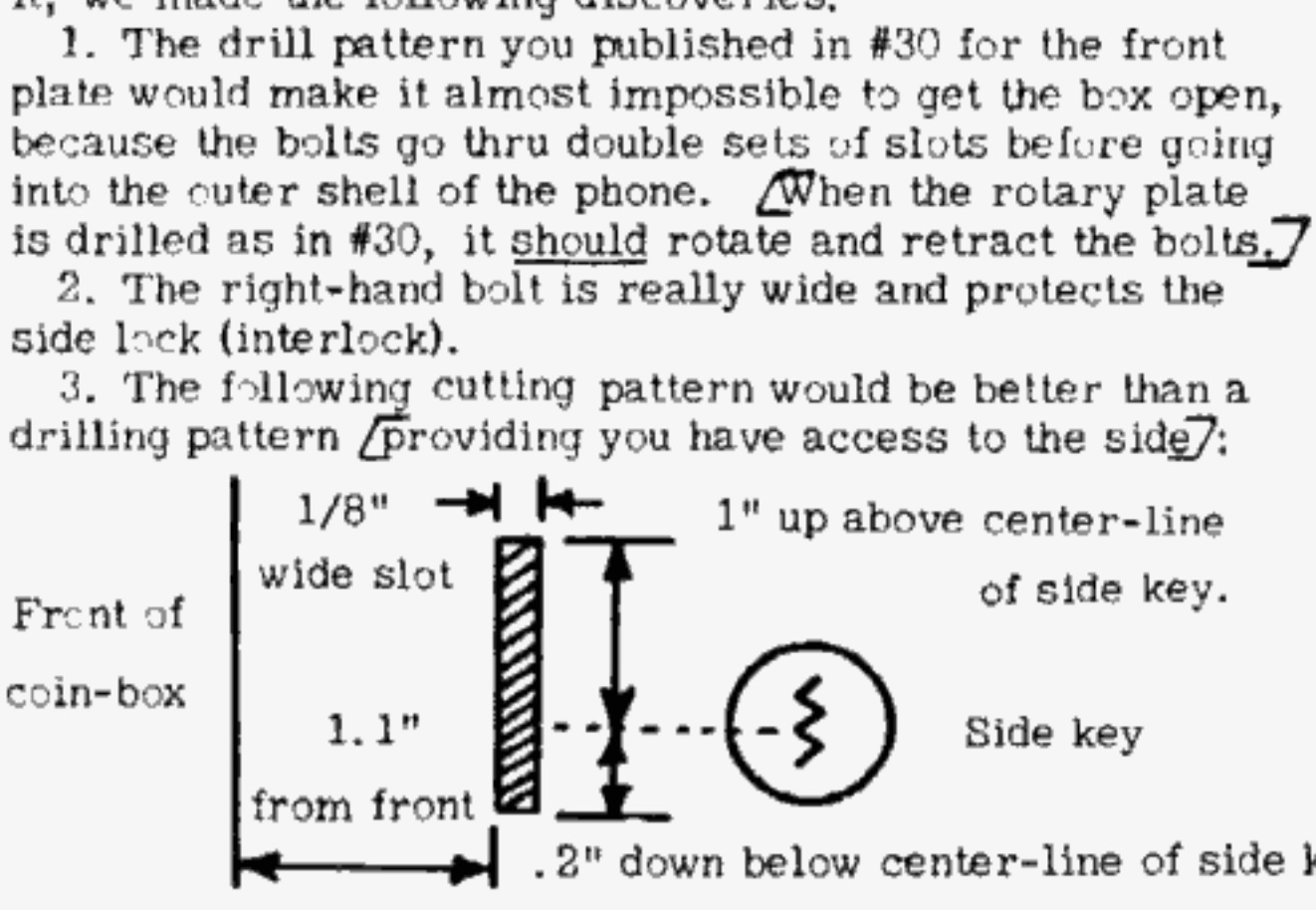


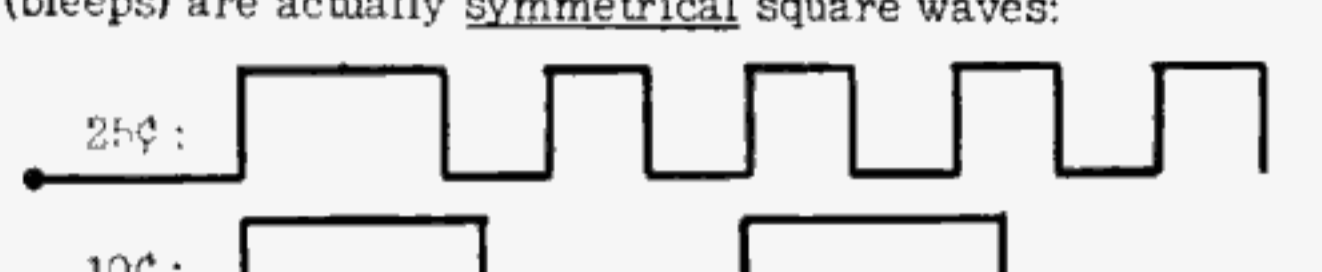
MORE FORTRESS FUN!

Last week, I met with "CJ" and "The Professor" and told them how much I would like a Fortress Fone of my very own to play with.



The cut should be 1.2" long, 1/8" wide, and 1" deep. It can be done with a special grindstone drill bit, and will shear off the interlock mechanism as well as cut the spiral front plate free so it can turn.

4. The tones' intervals are not generated by the coins pushing levers on the red box mechanism (like everyone thinks) but by a little relay which reverses the direction of the wheel that the levers cock.



I will restate the specs on these tones because they are very important and must be known by all TAP readers. The 25µ tones are 70ms on, 35ms off, 35ms on, 35ms off, 35ms on, 35ms off, 35ms on, 35ms off, 35ms on, 35ms off, 35ms on, 35ms off, 35ms on.

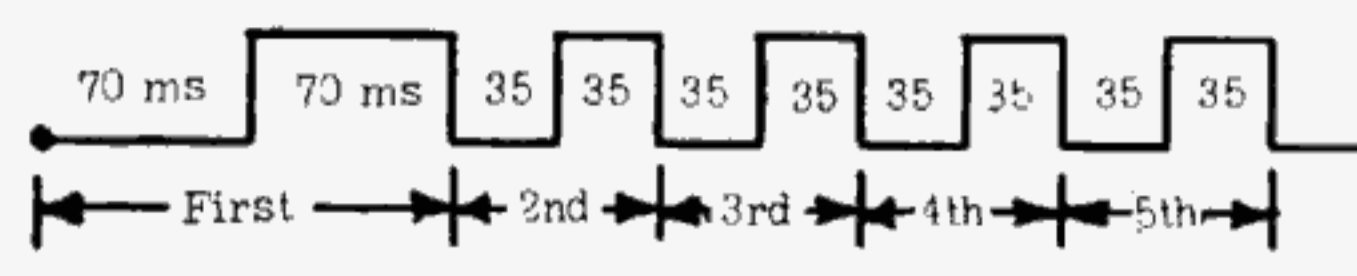
1. Coin Drop Mechanism - In my last letter, I asked about the "coin-sense relay" but couldn't figure how Bell knew about the money.



MAR-APRIL 1978 NO. 49

The initial three minutes because that drops automatically, and so you can talk for at least three minutes for free.

2. The pay phone red box tones drift with the outside temperature. So... before boxing away, make sure the pay-phone frequencies match your red box frequencies or you'll get screwed when you drop your 5¢.



All of the above info is confirmed by an in-depth experiment which can be done on any phone without taking it out of the booth!

1. Drop 5¢ into a pay phone. Listen to the side and hang up. The relay will pull the wheel back once and click.

2. Drop two nickels into the phone, one at a time. Listen to the receiver or the side of the phone. When the second nickel is dropped, two clicks of the relay are heard - as if a dime had been dropped.

3. Now for some fun: Drop a nickel, and then a dime. There are three clicks! Amazing, a 15¢ piece!

4. Now try dropping two dimes right together and you'll hear both dimes hit the bottom of the coin holding chute before you hear four clicks! A 20¢ piece!

5. Try a nickel and a quarter and get six clicks (30¢). 6. If you're fast enough, this will work too: Drop a nickel. Then two dimes together and you'll hear the familiar quarter sequence and not five nickel bleeps.

Some Fortresses must have a mechanism defect. It seems that they will take two dimes or two nickels - a 50¢ savings!

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THE PRINCIPLES OF TWX PHREAKING by Cheshire

INTRODUCTION IN 1971, THE WESTERN UNION TELEGRAPH CO BROUGHT THE TELETYPE EXCHANGE (TWX) NETWORK FROM THE AMERICAN TELEPHONE & TELEGRAPH CO UNDER THIS AGREEMENT.

TRANSLATING TWX EXCHANGES THERE IS AN EASY WAY OF TRANSLATING A TWX EXCHANGE THAT'S WHEN IT IS "SILENT" TO THE DIRECTORY.

HOWEVER WITH A MODEL 32 OR EQUIVALENT A COMPUTER DEVICE (L80, TI SILENT 20A, OR PERIPHLEX HT-2) CAN SEND TO A TWX TERMINAL A TWX MACHINE ANSWERS WITH THE SAME "CARRIER" TONE AS A COMPUTER DOES.

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SEEK TO BE THEIR PR DEPARTMENT AS WE LOOK DOWN THE LISTINGS FOR DETROIT IN A 1974 OR EARLIER TWX DIRECTORY.

THE TWX NUMBER OF THE HINGS IS 810-221-5933 AS WE LOOK DOWN THE LISTINGS FOR DETROIT IN A 1974 OR EARLIER TWX DIRECTORY.

SEEM TO BE THEIR PR DEPARTMENT AS WE LOOK DOWN THE LISTINGS FOR DETROIT IN A 1974 OR EARLIER TWX DIRECTORY.

DETROIT OF COURSE THE CITY CODE OF DETROIT OTHER CITY CODES ARE NY FOR NEW YORK, LA FOR LOS ANGELES, SF FOR SAN FRANCISCO, AND CHG FOR CHICAGO.

ANOTHER POSSIBILITY IS TO MAKE FRIENDS WITH SOMEONE WHO WORKS IN THE DIRECTOR'S OFFICE OF A SPANISH OFFICE OF A LARGE COMPANY, AND USE THEIR TAP MACHINE THE TAP MACHINE IS TO TRANSLATE THE NUMBER THAT DOES NOT EXIST AND LET THE PHONE COMPANY COMPUTER TELL YOU WHAT NUMBER IT TAKES TO RECALL.

EXAMPLE THE WESTERN UNION TELEGRAPH CO IN CHICAGO 312-279-2251 IF WE DIAL 312-279-2251 ON A TAP MACHINE WE LL HEAR A RECORDED SAY "THE NUMBER YOU HAVE DIALED, 279-2251 WHICH TELLS US THAT MY DIALING 201-279-2251 WE CAN RECALL MY NUMBER IF WE THEN LOOK CLOSELY AT THE NUMBER GIVEN FOR THE RECALL SERVICE OFFERED TO THE SUBSCRIBERS.

TYPE IN ANY RANDOM CHARACTERS "00000" AND IT WILL LET YOU IN "TYPE CATALOG OR JUST "000" AS IT ONLY "SEES" THE FIRST FOUR CHARACTERS AFTER A SPACE YOU CAN TYPE "NEWS HEAT SPOR" OR "I AM WILLING TO THE LATEST NEWS. WHETHER FOR 20 CITIES, AND SPOKS THE CATALOG GIVES INSTRUCTIONS AND TELLS YOU WHAT INFORMATION IS AVAILABLE. THIS IS A DUMB WAY TO GET THE RECALL FOR BY THE LINE CHARGES OF THE LONG DISTANCE CALL IN RECALLING IT.

IT SHOULD BE NOTED THAT YOUR TERMINAL SHOULD BE SET FOR 110 BAUD, AND EVEN ONE PARTY HAVE FUN. HAPPY PHREAKING, AND REMEMBER:

ATTN: MILO FONEBILL Please get in touch with me through the TAP office. Tom Edison

COMING NEXT ISSUE !!! Our next issue, #50, marks the 7th anniversary of TAP. To mark the occasion, issue #50 will be a special double edition with color pages.

FLASH! LATE REPORT! KON-KLAVE KANCELLED by Cheshire

There was to be a Phone Phreak Konklave at the New York Coliseum running concurrently with the Personal Computing Expo (PCX) over the Halloween weekend. About 1/4 of the TAP mailing list (those in the "Bos-Wash" and a few west-coasters) got the word a week or so before the event.

The meeting was cancelled, flyers were printed up to state this, but we were requested not to release details until after the weekend. This request was also honored. However, as we handed the flyers out, we informed the recipient that we intended to cry into our beer over the cancellation at 4PM at the cafeteria.

A happier bunch of melancholy drunks you never saw in your life! About 20-25 people finally showed up, and one thing was under no doubt: THERE WILL BE A PHONE PHREAK CONVENTION WITHIN THE NEXT NINE MONTHS! Our apologies to those who showed up and then couldn't find us. You, and all our friends will have a chance to get together soon.

Oh yeah, why did we try to have a konklave? Because any Phreak worth his whistle knows the digital is the way of the future. We expected a lot of our friends would be attending anyway and wanted to get together. We'll see you soon.

LETTERS FROM READERS

Dear TAP, Perhaps some of your readers would like to chat with ships on the high seas.

Mariast. Actually there are two currently operational: Atlantic and Pacific, and in a very short time there will be one for the Indian Ocean too. Enclosed is a list of most of the ships that you can contact and the list continues to grow.

Has anyone ever "bused" calls through TWX? I don't know if it's a usable system. (See article on TWX phreaking by Robert Kilgallen in this issue of TAP.) Anyway Marist has Telex capability too: 710-581-6920 (toll free). Additionally, AT&T long lines are 914-682-8223 and the United Nations language bank (free translations?) is 212-888-3061.

May the force be with you, R2-D2

In Missouri, Southeastern Bell has forced itself upon an unwilling public. They now charge 20¢ per directory assistance call (after the first five free ones per month).

Wall, in a burst of insight it came to me--and it has been verified by experiment and questions to operators. It is:

Call the 555-1212 number, using the 1 code, omitting the area code (as in calling directory assistance for another town in your area code). When the operator asks you "What city please?" just say the name of your town (in my case St. Louis)--and she says "go ahead." They have no way of knowing what town you are dialing from! And there is no charge for the 55591212 number.

Back issues are 50¢ each. 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. E.k. - 10 copy \$1.20. Subscription charges - 10¢ each. A - DC Basics, B - AC Basics, C - Phone Basics, D - Amplifiers. TAP mugs - \$4.00. TAP T-shirts - \$4.00. Specify size and color: Small, Medium, Large, Extra Large. Black or red T-shirt with white TAP logo. TAP Ma Bell is a Cheap Mother T-shirts - \$4.50. Specify size and color: Medium, Large, Extra Large. Blue, tan, or yellow. Send check in money order (No Cash) to: TAP, Room 418, 152 W 42nd St, New York, N.Y. 10036. Telephone (212) 333-7333. P.O. Box 30669, Seattle, Washington 98103.

Table with columns: Ship, Country of Registration, Telephone Rate Number, Amateurbreak. Lists various ships and their frequencies.

Address the mail and checks to: TAP ROOM 418, 152 W 42ND ST, NY 10036

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Advertisement for 'MA BELL IS A CHEAP MOTHER' T-shirts, including a logo and pricing information.

When I posed for the picture that accompanied the interview article in The Village Voice, reprinted in TAP #48, I had no idea that so many readers and friends would write in to ask where those "Ma Bell is a Cheap Mother" T-shirts could be bought.

GET MUGGED !!! That's right, get mugged!!! Start off the New Year right by getting your TAP mug. The mug is white with black TAP logo, 11 ounces, and stackable.

AT&T's Profits Up 17% in Qtr. American Telephone & Telegraph Co posted its fifth consecutive billion-dollar quarter yesterday, reporting profits in the three months ended Aug. 31 of \$1.1 billion.

HELPS ROLL BACK PAY PHONE COSTS! PLEASE DO NOT USE THIS TELEPHONE unless your call is of an emergency nature. For more information write: Committee For A Five Cent Phone Call - P.O. Box 30669 - Seattle, Washington 98103.

Published for informational purposes only by Youth Hot Line Reports, Inc. Address all mail and checks to: TAP ROOM 418, 152 W 42ND ST, NY 10036

Employee Find Ways To Steal 49 There are 415 known ways to steal money and goods from employers and new methods are being discovered almost every day.

A clerk in a busy New York City candy store under-rings every sale by one penny and takes home \$5 a day - for 12 years.

There are 415 known ways to steal money and goods from employers and new methods are being discovered almost every day.