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TAP

JULY-AUG 1977 NO. 45

THE BEGINNING OF THE END!
by
TOM EDISON

I had hoped that the day would never come when I'd have to write this column but that day has arrived! The end of TAP is very near!!! And I am very saddened by this all too real occurrence. As co-editor of TAP with Mr. Phelps for the past year, I've hinted, asked, pleaded, begged, snarc, cursed, and coerced you readers into doing your part to help TAP, all with the usual piss poor results. All of my dire warnings about what would happen to TAP if we did not get reader support went unheeded. As a result, I am forced to make the following statement: Until reader support improves, THIS IS THE LAST ISSUE OF TAP!!! Let me give you some cold, hard economic facts. The issue that you are holding in your hot little American hands is the sixth issue of TAP that we've published in one month. Printing costs are sky high. Postage costs are absurd! When we switched post offices from Great Neck, N.Y. to Kensbey, N.J., it cost us $63 just to renew our bulk mailing permit. Multiply these costs by 6 and you can begin to get some idea of just how much the economic crunch has got us by the balls! Couple this with the large outlay of cash we paid for the new TAP T-shirts plus the never ending rent increases that we are forced to pay our slum lord and you get an excellent view of the whole dark, ugly picture. In plain simple language that everyone can understand, TAP is spending more money than we're taking in. You don't need a four year college degree to know that this is the beginning of the end!

I realize that with the recent 6 issue barrage you readers really haven't had sufficient time to write TAP, but based on the results of all of my previous appeals for help, I am NOT counting too heavily on new reader support!

I have to confess that when I was informed of the possibility of taking over TAP, I had mixed feelings about it. It certainly was an ego boost to know that I was considered capable enough to run TAP and it certainly was a prestigious feeling knowing that I helped run a New York publishing firm. But on the negative side, the pressures of running a business, the many hours of my free time that now must be devoted to working on all phases of publishing TAP together with the ever present paranoia of waiting for the axe to fall, whether it's in the form of a monster-sum lawsuit from Ma Bell or just harassment from the Post Office or IRS, are just some of the problems, pressures, and headaches that come with the responsibilities of running TAP.

The financial picture at TAP was never very rosy. We had a little cash in the bank, and I do mean LITTLE! But 6 issues, postage, T-shirts, and rent have killed what little we had. Right now, as I am writing this, TAP owes me $360 and owes Mr. Phelps $1291! We put in this money with the expectation of eventually getting reimbursed but prospects don't look too good. I'd be a hypocrite if I said that I didn't expect to make a little money from TAP. After all, we'd spent our own money for transportation for the year and a half we worked on TAP before our transportation costs were picked up by TAP. We had also spent our own money for other TAP expenses and there's no real price that you could put on all the hours and hours we've worked on TAP, both at the office and at home. There is no doubt of our unwavering devotion to TAP and to expect a small financial reward after almost 2 years of devoted work is certainly reasonable.

It's really a damn shame that we might be forced to close just when things were starting to run smoothly. One of the improvements that you new subscribers may have noticed is that if you sent us a money order or cashier's check instead of a personal check, your sub was processed immediately and you got a copy of our latest issue right then and there instead of having to wait until we published our next issue. While you've got a right to bitch about the recent 6 month delay in receiving issues, you've gotta admit that to publish 6 issues in one month to catch up can only be considered a major miracle! And while the new policy changes that I've stated in previous issues might have seemed a little harsh, at least now you know the economic necessity for these changes. And while I'm on the subject of policy changes brought on by our current financial crisis, let me add two more. EFFECTIVE IMMEDIATELY: All DA requests MUST be accompanied by a self addressed stamped envelope and due to the high cost of photo-copy paper, we are forced to charge 5¢ a sheet for DA info. We recently spent $70 for 1,000 sheets of copy paper and duplicating fluid. That averages out to 7¢ a sheet for copying. Copy paper is not only expensive, it's heavy and as a result needs extra postage and sometimes a larger envelope which can greatly increase the cost of our entire DA operation. We're sorry to have to pass along these charges to you but we can no longer absorb these costs ourselves.

Also, until our bank account recovers, we will no longer be able to put new subscribers on our list for free. This may sound a little mercenary but I don't think that anyone's THAT poor that they can't afford $4. The only exception to this rule is prisoners. However, if we suddenly get a flood of mail from people all claiming to be prisoners and all asking for a free subscription, we may even be forced to change this policy. Nothing galled me more than that cheap fucker a while back who claimed to be a despondent, harrassed, and poor prisoner and who asked for a free sub. The only problem was that the address he gave was not the local slammer but a ritzy penthouse on Park Avenue!

The only hope we have now to save TAP is for you (and I mean YOU!!!) to get your friends, relatives, and partners in crime to sub to TAP. We've got back issues, electronics courses, fact sheets, anti-Bell buttons, T-shirts, the book MONOPOLY (which is all about you-know-who!!), and all the other good TAP shit that we've been trying to unload for years! This stuff is no good to us just collecting dust sitting around our office!

As a last ditch effort to entice some of you Jr high, Sr high, and college students to come in and give us a hand over the summer vacation, I'm going to have expanded summer office hours for the months of July & August - Wednesdays from 12 noon to 7 PM and if there's enough interest, I'll even open the office on Saturdays. Come on kids, it's time to either shit or get off the pot!

And for all of you who are now saying" I wish that Edison would stop bitchin'", just remember, if you would have given TAP help and financial support when we originally asked for it, you'd be reading a hell of a good article here instead of all my bull shit!!!

Enjoy your summer, don't get caught, keep on takin', and hopefully we'll see you in the fall. Live long and prosper.

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CB BULL by JOE GREYHOUND

Did you see what the editors of TAP did?! They went out and put together a couple issues of TAP with just some rock for my CB column, not that it was written up yet or anything. They couldn'ta told me to get it in or something! Oh well!!! Oh well! Anyhow, here goes with another CB information packed article.

Depending on how detailed I want to go, either all in this article or in the next few, I'm gonna attempt to explain how frequency synthesizers in CBs work. Although they're all basically the same, the frequencies and combinations of crystals vary a great deal.

But before I start, in case you live in a vacuum and haven't already heard, the FCC has decided to widen the CB band to 27.405MHz, adding 17 more channels to the current 23. Jim's gone used the last article I wrote! This gives a total of 40 channels. The frequencies are:

Frequency	Channel	Frequency	Channel
26.965	1	27.215	21
26.975	2	27.225	22
26.985	3	27.235	23
27.005	4	27.245	24
27.015	5	27.255	25
27.025	6	27.265	26
27.035	7	27.275	27
27.055	8	27.285	28
27.065	9	27.295	29
27.075	10	27.305	30
27.085	11	27.315	31
27.105	12	27.325	32
27.115	13	27.335	33
27.125	14	27.345	34
27.135	15	27.355	35
27.155	16	27.365	36
27.165	17	27.375	37
27.175	18	27.385	38
27.185	19	27.395	39
27.205	20	27.405	40

So there! I was gonna tell you how to add the 17 new channels, but I figured you'll need to know how your synthesizer works first, therefore, the modification will come in a later issue, so watch for it!!! Oh yeah! If any of you Sidebanders want a USA Sideband number let me know and I'll give you one.

The first type of synthesizer is used in the following brands of 23 channel, AM radios: SBE, Midland, Aries, Lafayette, Robyn, and probably a million others. So if the brand of your set isn't listed, check the crystal frequencies to see if it is used in your radio. The other two types of synthesizers will be explained in later issues.

Anyhow back to the first synthesizer. It uses 14 crystals. Each one of the 8 main crystals is used in synthesizing 4 channels. These main crystals are: 37.060MHz, used for channels 1-4, 37.650MHz, used for channels 5-8, 37.700MHz, channels 9-12, 37.750MHz, channels 13-16, 37.800MHz, channels 17-20, and 37.850MHz channels 21-23. These 8 crystals are used in both the TX and RX mode.

Next come the 6 IF crystals which are subtracted from the mains by mixers. The 6 crystals used in the transmit mode are: 10.695MHz, channels 1,5,9, 13,17, and 21 - 10.625MHz, channels 2,6,10,14,18, and 22 - 10.645MHz, channels 3,7,11,15,19,-and 10.595MHz channels 4,8,12,16,20, and 24.

It's really more complex, but actually what happens is this. Each one of the main crystals is used for 4 channels in a row, and the IF crystals are used one after the other in descending frequency order. Let's take a look at how channels 1-4 are synthesized. First off the main crystal, 37.060MHz is used. For channel 1. In the transmit mode the IF crystal 10.695MHz is subtracted from the main, giving 26.365MHz, the frequency channel 1. For channel 2, 37.060MHz minus the next IF crystal 10.625MHz leaving 26.375MHz, channel 2's frequency, and so on. When the dial is turned to channel 5, the main crystal is switched over to 37.650MHz and the procedure is continued. At channel 9, the main crystal is again switched to the 37.700MHz crystal, and so on.

In the receive mode the 6 IF crystals, 10.189MHz, 10.179MHz, 10.169MHz, and 10.149MHz are used along with the 2nd IF frequency of 455KHz. Again the 8 main crystals are used. To receive channels 1-4 the main 37.605MHz is used. Channel 1 is 37.605MHz minus the IF frequency of 10.189MHz leaving 27.420MHz. Then the 2nd IF frequency, 455KHz, is subtracted from that giving 26.965MHz, channel 1. It goes on and on just like transmit except 455KHz is subtracted along with the receive IF crystal frequency. And that is it!!!

In the next column I get out, I'll give a modification which will enable the owners of sets with this type of synthesizer to add the 17 new channels to their 23 channel CBs. Remember, send any comments, questions, or CB related INFO to:

TAP
c/o Joe Greyhound
152 W. 42 St., Room 418
New York, N.Y. 10036

AT&T REPORT by TOM EDISON

If you think that the cartoon below could never happen, then I strongly suggest that you read the accompanying article taken from the N.Y. Daily News. So, dear readers, we now know who the dama trouble maker is. Cincinnati Bell! May I strongly urge you to take the time off your hoses and call up Cincinnati Bell and tell them just what you think of their new "money".....er "measured" units. Show them you care.

Ma Bell will soon be getting after your teenage daughter. The daughter who has developed a permanent curve in her spine from cradling the phone to her ear. The daughter who has developed a tic in her neck from a bad bone. The daughter who has effectively blocked out all phone conversations with the outside world. (You have relatives who live in Europe? Too bad. Maybe they were lost five years.) The daughter who talks all day and all night on the phone about anything and everything but nothing.

Well, all that is going to change — at least for those who are characteristically not. Ma Bell is looking a new rule criminal that will charge people for how much they actually use the phone. The new system, called "measured service" by the time of day the phone is used, the local distance covered, the length of time you talk and the number of calls you make.

The new approach is called "measured value" and it is more sophisticated than the "measured service" that is used by some Bell companies today. The message unit system only bills for the number of calls made and the length of each call. It doesn't take into account the time of day and distance that the call was made. A friend in Dallas calls a friend in Jackson, Miss. and the cost is the same whether it is 2 in the afternoon or 2 in the morning. (Your neighbor who works all day and listens to the music on your phone — and who is probably listening to your conversation — will be charged for the same call.)

Cincinnati Bell has proposed using the measured value program on a experimental basis in its Hyde Park and Mt. Lookout exchanges, which are the most crowded, more than 10,000 Cincinnati Bell customers have signed up for the program since October. If the initial plan is successful, the remainder of Cincinnati Bell's subscribers would be switched into measuring value.

Bell officials say it likely to be successful for several reasons. First, there is much optimism on the part of consumers in the Cincinnati area that they will be able to save. Many people who worry all day and worry some the phone or worry unknowingly your Mother-Daughter: Measured value would result in lower bills for persons who use the phone less for personal reasons.

The major regulatory bodies are likely to approve measured value because it will achieve equity between the various rate and revenues. The heavy phone user will bear a larger share of overhead costs than the light user does now. The and the business user will be charged a larger share of such costs (subject to the approval of regulators).

Bell officials have proposed using the measured value program on a nationwide basis by 1980. Cincinnati Bell spokesman at a charge for Cincinnati customers in 1976. Cincinnati Bell gave as the first composite market making system in the early 50s. And Cincinnati Bell's experience would be worked into the calculation in the use of electronic switching equipment. It is the use of electronic switching equipment and computer programs that makes measured rate billing systems feasible to implement efficiently.

You'd better get your daughter into that new measured rating system. Otherwise the measured rate system will be forced upon you and you and the worker's hanging jobs.

GET DOWN! by TOM EDISON

Since this might be the last issue of TAP for a while, I'd better give the plugs that I promised to various groups while there's still time. The first plug is for EDEN UNDERGROUND NEWS SERVICE, P.O. Box 8410, 16081 Evergreen Circle, Fountain Valley, Ca. 92708. EDEN PRESS is published every two weeks. A Charter one year sub ($5 issues) is $10. A two year sub (50 issues) is $18. A three year sub (75 issues) is $25. Add $6 for First Class Mailing. EDEN PRESS is a very refreshing change from the usual dry, boring shit that fills our daily newspapers. It's everything you wished the New York Times was and isn't! If you remember the cool, hip, whitty, freshness of the old Village Voice, you'll really enjoy the goings on in EDEN PRESS. I cannot praise it anymore than to say once more, if you dig what we say in TAP, you'll love EDEN PRESS. When you write to them, tell 'em you heard about 'em from TAP. I know that Barry Reid, editor of EDEN PRESS, would love to send you his catalog of EDEN goodies, which contains among other things, THE PAPER TRIP, THE BIG BROTHER GAME, and for all you miners out there just dying to get pierced beer over the summer while listening to your favorite rock group at the local gin mill at the beach, POLARCID PHOTO ID CARDS!!! If all you little bastards wanna get wasted this summer, you'd better get your pierced ears in gear and get your Phony.....er Photo ID Cards fast!

My second plug is for a fantastic N.J. based rock group called PRISM. They've appeared at some of the better rock clubs along the notorious Route 35 strip in N.J. including The Edge, Bachelors III and Brothers II (or is it Brothers III and Bachelors II?) and The Hampton and Mr. T. PRISM consists of Brian on drums, Bob on lead guitar, Russ on keyboards, and Jerry on bass. Even my very good friend Stan, the Polish Pride of Purlin, who she's where the light shows with the band, and is a rock critic bar none, is overwhelmed by the sound of this band and their uncanny ability to do well known rock songs that actually sound better than the originals, something that is not easy to do! And if you're wondering just what the hell I'm plugging a rock band for; one, I like the band; two, since this is probably the last issue of TAP, what difference does it make what I write about; three, I'm writing this while crocked; and four, since I'm editor, I'll write any damn thing I please!!!!!

Bogus bills are NO more, $10 and $20 notes now refer 20 or 10 years ago.

Bogus coins - There are 20 in circulation.

USA - Uncle Sam's Alphabet Soup is delivered pg 2.

THE PRESS - Is the publication - Eden Press.

THE PRICE - Is the price of the publication - Zero cents.

THE PRODUCT - TAP is all our subscriptions.

Bogus - Phony, fake.

Liberation - Taking Back Ownership, By A. C.

Tax - Tax, Revenue (pronounced Ass-Hole).

Send the Money - Send money, usually POLARCID.

TAP - 152 W. 42 Street, Room 417, New York 10036

Uncle Sam's Alphabet Soup - Bogus.

Publication - Eden Press, Box 8410, New York 10020

Price - Ass-Hole, Tax, Revenue.

TAP T - shirts $4. Specify size: Small, Med., Large, X-Large.

Bogus bill

South Plainfield police have asked any resident who comes across a taped up bill such as this one to report to headquarters as soon as possible. The edges of $10 bills were taped on to this $1 bill and it was passed at a 10 yesterday morning. George Washington's picture is in the center of the bill.

Bogus $10 bills in circulation

SOUTH PLAINFIELD — someone tried to raise the value of the dollar — with scotch tape.

At 8 a.m. yesterday a man dressed in a dark suit and tie, strolled into Paul's Stationery store, 256 Hamilton Boulevard, and purchased 16 cents worth of candy with a $10 bill.

Or so the store owner thought.

Mr. Dufler, owner of the stationery store, told police he noticed President George Washington instead of Secretary of the Treasury Alexander Hamilton's picture on the piece of currency.

Lt. Daly here said someone apparently has been tearing the edges off ten dollar bills and taping them on to one dollar notes. Police even found a few months ago, the one dollar bills with $20 edges, with a net gain of $10

Police have no suspects in the fraud case but cautioned residents to look out for the illegal taped tender

Liberation News Service

"Tuition has soared again this year, but we're lucky in that our Greg gets a little something from the FBI to sort of keep an eye on his dorm floor."

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And It Won't Even Tilt . . .

Phone phreaks and pinball nuts can finally get together. *The Game Show*, on Manhattan Cable TV's Channel 5, Monday at 5, is a call-in show with a brand new gimmick. If you have a touch-tone phone, "prizes" and "three" buttons will activate the flippers and bumpers on pinball machines in the studio when you dial 415 1396. You get one ball and prizes are given to the winner of the ball. It's not easy, the high-scoring competition is stiff, and since only one person can play at a time you have to be very patient . . . just like with everything else on cable.

From The Village Voice

LETTERS FROM READERS

Dear TAP,

If you have seen this article in your local paper about a service that instantly traces your fone, don't immediately get uptight. Francis Kennecy cannot trace calls that come to his telephone any easier than you. The article got me a little worried so I called Mr. Kennedy. His number is listed. The only fones he can tell the number of are those which have built in encoders. The way this works is, when the receiving party picks up his fone, the calling party's fone sends out a code to tell the receiving fone the callers number. This leaves many possibilities. One could easily change the ID. Kennedy says it will probably consist of a PROM. It will be a long time before we see this put in telephones!

I have heard that the way traffic lights are controled by fire trucks in Syracuse is with zenon flashers. Each truck has one on its front. When a sensor detects the correct frequency flashes, it changes the light to green. More on this later.

Bumper Stickers:
"Ma Bell has got me by the Balls"
"One Bell System, It Quracks!" (this one is original)

Edward Extract

Dear TAP,

Inclosed find instructions for modification of standard bell six button (including the "hold" button) to conviently operate as a home style desk set(single line).

1. Remove and discard the fat 50 conductor cauile.
2. Remove all wires from the screws going to the pushbuttons.
3. Remove green wire from coil block L2.
4. Remove pushbutton assembly (2 screws on bottom of phone).
5. Remove and tie back the wires from the bell.
6. Remove three wires which go from the Touch Tone pad to the coil block. They are orange, violet, and green & white. Insulate the ends and tie back.
7. Move the green wire from the Touch Tone pad to coil block terminal F.
8. Connect the wires from the hook switch to the coil block: Yellow to L2
   Green to L1
   Brown to G
   Move Grey from L1 to L2.
   Move White from G to F.
   Move Grey from F to waste basket.
9. Connect Red and Green to L1 and L2. If the Touch Tone fone does not work, reverse these leads.
10. Put push buttons back in to fill up the holes.

Jim

Dear TAP,

There is a certain number I can call during business hours and get a recording played back tome that says "zero-zero-zero-zero-zero. Am trying to write this and screw my dog at same time. Tuff

73
Nickelas Testicle

Dear TAP,

I noticed the interpretation blue beat, I'm having a significant time the same about 1 year ago, which I'm real, but have been trying since. The interpretation was taken from the standard blue containing the beat.

Lindy Pen Co.
North Hollywood, Calif. 91605

A. C.

Dear TAP,

What are the codes and how do you use the KP2 key on a Blue Box? I have tried dialing an 800 number, 1000 Hz, then KP2 + all the numbers between 100 and 200 + ST. Nothing happens! If I could make the trunk pulse KP2 work it would be a big help in routing both domestic and foreign calls when direct circuits are busy. Also, some African countries are very hard to get into on direct circuits, where routing via England or France should make it easier. Please help me get the KP2 to work.

Thanks,
Calif.

Dear TAP,

In two weeks I'll be moving into the country where there is a Duncan Stand up. I was digging under the Standpost and found the three leads wires from the power pole were only about one foot deep. Two black and a yellow prong, they're not in conduit, just two aluminum #8/0 wires with the smaller ground. Could I hook up with an aluminum nail and wire before they turn the power on or will they be able to detect my connection? Could they dig up their wire on my property to inspect it without my permission?

Please let me know as soon as possible, I don't have long to go and electric out here is higher than a cat's back.

I love your sheet - Keep up the good.....(I can't stand the word) work.

D. F.

INFORMATION FOR TAP:

I have been very successfull in the following:

FREE ELECTRIC- Turn the meter upside down after meter has been read,wait three weeks,after secure you pull it out and replace it right side up before next reading.

Meters run backward as well as forward. (Smile)

"It's a Phone Phreak Chart, I think."

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