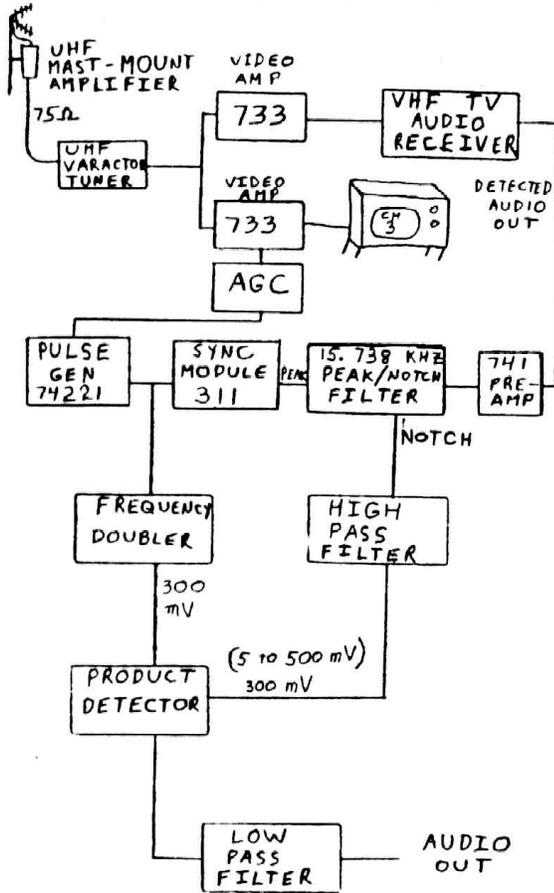


CHANNEL 68 DECODER BLOCK DIAGRAM

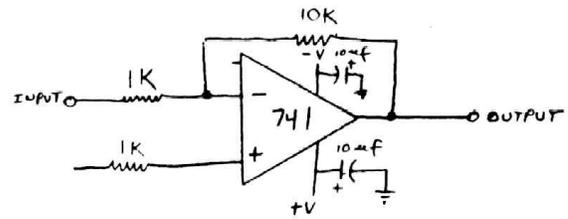


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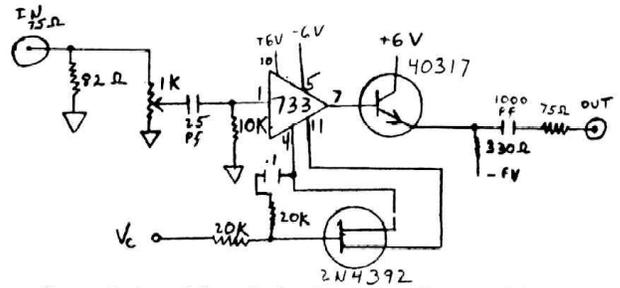
Pre-Amp Module

NULL CIRCUIT : $-V \rightarrow 10K \rightarrow$ PIN 1
PIN 5



Video Amp

Oscillations appear at higher gains of AGC, (around -2 volts to the gate). Try to control the loading with this circuit:



$V_c = -2$ to -15 . Gain increased as voltage goes to ground. Going positive will destroy 733.

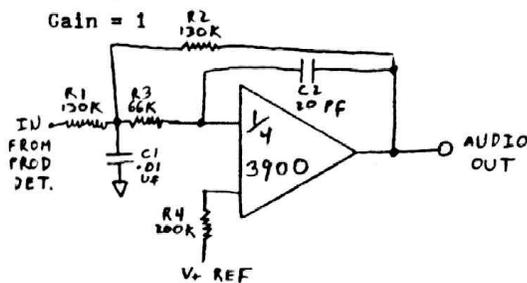
The 20K from the 2N4392 gate to source may be too big.

Low Pass Filter

$F_{co} = 12$ KHZ

$Q = 25$

Gain = 1



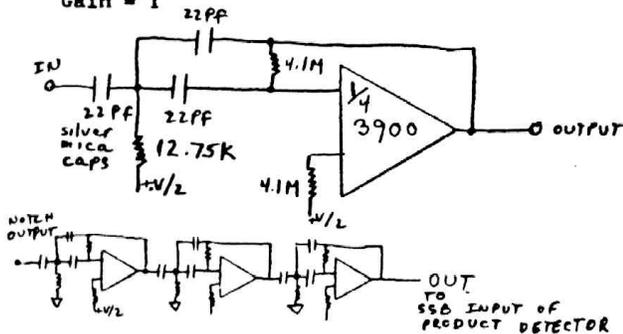
R1 and R2 should be 100K for a 15KHZ cutoff
R3 should be 53K for a 15KHZ cutoff

High Pass Filter

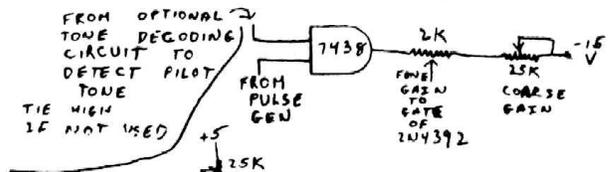
$F_o = 31.500$ KHZ

$Q = 6$ (each section of 3)

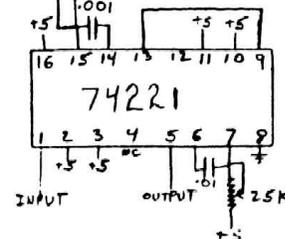
Gain = 1



AGC Circuit



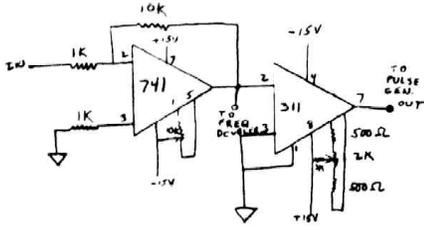
PULSE GENERATOR



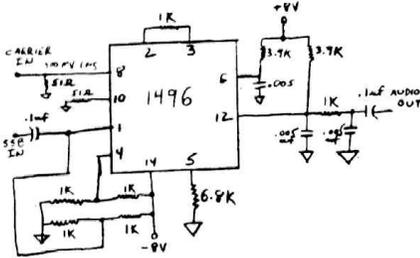
TAP UPDATE by TOM EDISON

Dear Tom, I am glad that the new response to this issue as supplied to be mailed at a later date will see the same New York Transit strike in April. I finally get out the 5th Apple making the issues a problem. I was not a problem with our computers reading now and then, I don't want to mail on the issues until I have all the details about our convention. The strike is over and the issues went to our printer on June 19th. Our computer has been fixed. The issues will be mailed out on July 1st. Complete TAP convention details can be found on the back of TAP Classified Ad Sheet #4 which was included with this mailing. I was going to raise our sub rates effective with this issue, but I have decided to freeze all TAP prices at their current level and hope that all our subscribers will show their real appreciation by getting their friends to sub. TAP is in deep financial trouble and only YOU can help us out of our financial hole. We need your sub renewals, orders for the TAP issues that we list in every issue, and your support for this year's TAP convention. We need your help and support if we are to survive!

Sync Module



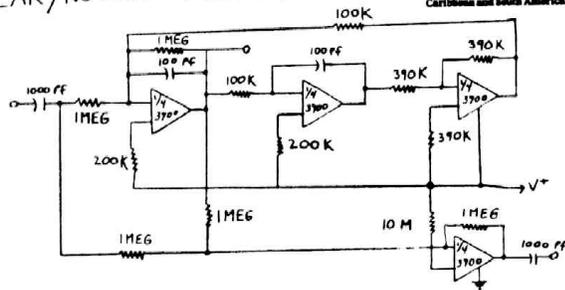
Product Detector Module



Neighbor Held as Phone Tapper Whose Calls Cost a Bank \$8,000

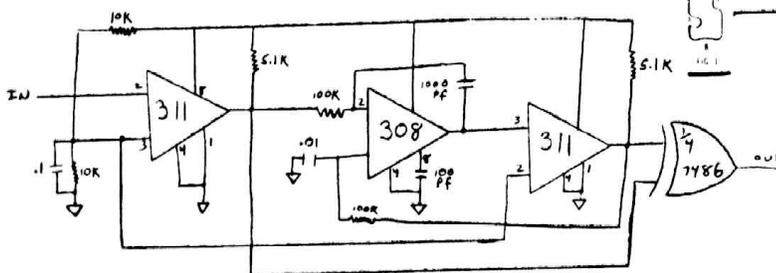
The superintendent of a building on Manhattan's Upper West Side was accused yesterday of tapping into the telephone lines of a nearby hotel and running up a bill of more than \$8,000 by allowing neighbors to make long-distance calls. The Manhattan District Attorney's office said that the superintendent, Pedro Ayala, 30 years old, of 120 West 108th Street, was arrested Tuesday night in his apartment on grand-larceny charges. He was also accused of possessing a controlled substance after the police found a quantity of what they said was cocaine in the apartment. Officials said that an investigation had disclosed that Mr. Ayala tapped into the phone lines that ran from the Manufacturers Hanover Trust Company branch at 19th Street and Broadway through Mr. Ayala's building. Mr. Ayala was said to have permitted neighbors to use the phones for \$2 for 10 minutes to call places as far away as the Caribbean and South America.

PEAK/NOTCH FILTER



NOTES: IF FILTER IS NOT
ALL CAPACITORS FOR FILTERS ARE SILVER MIC-A 15.738 KHZ, ADJUST THE 2 = 100K RESISTORS.

FREQUENCY DOUBLER



Brazen ripoff

MADISON, Wis. (AP) — Madison police have found some thieves just have no respect. The city's police department has been observing "police week" by discussing law enforcement and displaying a fully equipped squad car at a local shopping center. But police report that someone stole the firm from their squad car while it was on display.

Your Car, Sir!

Chrysler presents after 1974 their new locking mechanism protected by a new shaped lock cylinder ring & cannot be opened with this tool. The method to open a Chrysler lock cylinder ring is not necessary to get inside or open the door. The new shaped lock cylinder ring is not necessary to get inside or open the door. By using this information on the pad of paper attached to the handle you will have a permanent locking device which cannot be opened. For GM & Chrysler locks use the B and push down as shown in Fig. 2. Enter it in the hole between the weather stripping & window. Push down & hold the lock until you make contact with the lock cylinder. Bring the tool to a vertical position. Strapping it upward until you can see the tool above the lock. Push down. Push down. This action should stop the button upward. It is necessary to hold the tool on one side of the weather stripping. Hold all doors. Turn the tool to the other side of the weather stripping and compensate for the door shape. Same GM car's having the button near the center of the door are opened in the same manner. Enter the tool in the hole & side of the weather strip as mentioned above. The Chevy Monte Carlo Buick Century Pontiac Grand Prix Oldsmobile Delta have the button located towards the inside of the door. But are opened by pushing up on the tool & holding the tool's connecting bar with hand A at a point midway between the button & lock cylinder. An alternate & more successful method for opening is to turn the tool & enter it on the inside of the door at a point midway across the weather strip handle. Push straight down to a depth of 1/2 inch with hand A facing the tool. Slows down the tool towards the door in an upright position until contact is made. Pushing upward will open the button. 1974 - GENERAL MOTORS A steel guard rail is attached to the bottom of the window to prevent entry by car thieves. Bypass this rail by applying remaining pressure to the tool upper portion to move hand A. will ride up & over the top of the car & enter. Once entrance is made you can open a door. Insert the tool from the backside of the door by entering the tool when in a vertical position until it is in line with the lock cylinder. Upon contact pushing straight up will cause hand A to engage the rod actuating point arm & the lock cylinder will open. Opening a door manually might prove easier by using tool C. when pushing up. On the products 1965-69 use hand A pushing upward to lift the button. Turn the tool necessary for 1970 & later an extreme upper shape is formed. This will when pushed downward pass over the lock cylinder. Use B with both hands against the inside of the door. Calculating to push downward forces the door in the tool to depress the lock posts thus lifting the lock button. FAMILIARITY WITH THE LOCAL TOUGHIES WITH PRACTICE - INCREASES EFFICIENCY IN OPERATIONS. P. 3.



NSF (NON SUFFICIENT FUNDS)

Non sufficient funds is a check racket whereby one writes checks on an account with no money in it. Many people who run this game are amateurs who use their real names and their own checking accounts. More sophisticated operators will use an alias name and reduce the likelihood of any resultant hassles.

Although cash is difficult to obtain directly, merchandise and material are easily purchased, and later, sold and converted to cash. Orders for TV's, stores, and jewelry can be taken in advance, thus securing the highest prices for the merchandise while facilitating quick disposal.

The success of this check racket is directly proportional to the care one uses in leaving no traces to his or her real identity. Weeks after the bad checks are written, investigators will be coming about with a picture from the driver's license, looking for the person who wrote the NSF checks. They will go to the addresses (and addresses of phone numbers) of the license, answering services used, and work references given on any applications, checks, etc. None of the people that might be questioned should be able to give any information about the person's real name, address, or whereabouts if the mission is to be successful. Leave no links to your real identity.

Basically, all one has to do to actuate the scam is to secure a safe mail address, obtain alias ID papers, walk into a bank and open up a checking account, and start spending when the permanent checks come in. The details of the specific steps are listed as follows:

1) Rent a mail address. Mail receiving services can be found in the Yellow Pages under Telephone Answering Services and sometimes under Mail. This service usually costs between \$5 and \$20 per month. Do not use a P.O. Box address -- it is not the same thing as a private mail receiving service or box. The Post Office verifies the applicant's identity or place of residence before issuing the box, so there will be a link between the bad check and the identity of the check passer. Also, banks are reluctant to issue checks with just a P.O. Box address, and stores are even more reluctant to accept them.

A variation of the rent-an-address that is often successful is to use a prestigious address as the driver's license address and the address on the check. A mail forwarding card is put in to the Post Office, diverting the mail for the alias name from the prestigious address to the rent-a-box. The prestigious address should be a multi-unit dwelling in a large city or populous area. A few test letters should be sent to the alias name at the prestigious address to verify that the mail forwarding card is in effect and that the checks from the bank will therefore get to the rent-a-box. If the test letters do not work, call the mail carrier at the Post Office and give him the instructions for the mail that you want forwarded. Submit another forwarding card if necessary.

2) Obtain a birth certificate, either a contrived document or a real government issued certificate of a dead person or a duplicate of someone alive that lives out of state and will not be able to recognize the photograph of the check passer. It should be noted that the mail address should be obtained first if one is going to be sending for ID documents.

3) Go to the Department of Motor Vehicles with the birth certificate and get a driver's license or state issued ID card, which works just as well as a driver's license. However, some states do not issue state ID cards and the driver's test will have to be taken; therefore, get the driver's manual and study for the test. It is incredible how many knuckleheads will flunk the test because they came in unprepared.

A brief note on paperwork and documents is in order here for those who may find it difficult to obtain them. A process on how to make documents is available from TAP, Room 418, 152 W. 42 ST. N.Y. 10036. Request TAP Issue #50 and send a dollar with a stamped-self-addressed-envelope. A book explaining the methods of getting ID from the government is available from EDEN PRESS, called the NEW PAPER TRIP. Write them at P.O. Box 8410, Fountain Valley, CA 92708, and ask for their catalog. Another book of interest by Eden Press is The Check Book, which is well worth the \$10 cover price. Both books are a must for the serious paper tripper. The Paper Trip also explains how to make up fictitious social security numbers, which may come in handy if one is using contrived documents instead of government issued paper -- it takes an SS number at the bank to get the paper that is needed, i.e., the checks.

4) Go to a bank and open up a checking account. It may be beneficial to open up a savings account first, and then open up the checking account. It is often easier to open up a savings account as the banks are usually more willing to take money for deposit than they are to issue checks, especially to a person that they are not familiar with. The savings account gets your foot in the door for the checking account.

Use the rent-a-box address on the checks as the home address, or the prestigious address with the forward on it if the variation method is being used. It is also helpful to have a telephone number printed on the checks because it saves time at the cash registers. A telephone number can be rented from an answering service for a modest fee, and used on the checks as your personal phone number. This answering service should not be the same one that is being used as the mail address -- just in case the merchant calls there to verify the phone number.

Do not attempt to run the scam or even start it, with the temporary checks that the bank first issues. Wait for the permanent checks to come in. Merchants want to see the person's address and phone number on the check, and on occasion, they request to see some back up ID -- most frequently, a credit card. If a credit card is lacking, other ID may be substituted. A AAA membership card is impressive, and any other picture ID as back-up adds credence to the identity.

Once the permanent checks are in, if one has access to some out-of-state checks, they can be deposited to sweeten up the account. This is not necessary, but it helps maintain some semblance to being legitimate as far as having money in the account to cover the checks being written. If account sweetening is going to be done, start depositing the checks on Monday. Spending will not start until Tuesday night. Five days later, on Sunday, the scam is over. Do not write any checks after Sunday.

MONDAY: Deposit some out-of-state checks to the checking account if the account is going to be sweetened up. These checks for deposit can be either personal, payroll, or corporate. Avoid using government checks because it brings treasury and federal investigators, who are quite tenacious. Make out the "sweetening checks" for small amounts, \$50 to \$250, and make several deposits a day, each deposit at a different branch office of the bank.

TUESDAY: Deposit more checks to sweeten up the account. Remember, the sweetening procedure is optional. Later this evening, go to the airports and buy some plane tickets round-trip to nice places like San Francisco, Miami, Hawaii, etc. The tickets can be sold for one-third to one-half price, and they are good for a year -- even when bought with a rub-ber check. Also, tickets can be traded in at other airlines before or at the time of departure for any destination desired. Writing checks Tuesday night is like starting Wednesday. Only three banking days are going to be used along with the weekend.

WEDNESDAY: If you have used out-of-state checks to sweeten up the account, you can go shopping during the day when the banks are open. If the store calls the bank, you have money on deposit. If you haven't sweetened up the account, wait until the bank has closed, usually around five o'clock -- check to be sure of the time the accounting department closes if you want to start shopping the minute the bank is closed.

After banking hours, then, hit the department stores for color TV's and stereo's. After the department stores have closed, shop at the liquor stores and all night grocery stores where they don't require a courtesy card. After this, go to the airports and buy more plane tickets; the airlines are often open all night.

THURSDAY, FRIDAY, SATURDAY AND SUNDAY: can be worked the same way as Wednesday -- department stores, then liquor stores and grocery stores, then the airports for plane tickets. Saturday and Sunday are great for shopping at department stores all day, because the bank accounting departments are often closed for the weekend.

TELECREDIT: This is an insurance company that guarantees the merchant that they will cover your check if it bounces. The way that it works is on your driver's license number; if the driver's license is authentic (the state gives them the list), and if you haven't bounced any checks recently, Telecredit will approve your check. They don't know what your bank balance is, and the merchant doesn't care because Telecredit will pay him even if you don't have a nickel in your account.

It appears that Telecredit works in different ways in different states; for example, in California, where there are a lot of paper trippers, there is a \$600 limit over a two-week period that Telecredit will approve. On the other hand, in Connecticut Telecredit has not set a limit as of 6/79.

In states like California, where Telecredit has a limit, the way to rack up a huge amount of NSF checks is this: always make purchases of over six hundred dollars. Telecredit will not insure a check over six hundred dollars; however, for a 50¢ fee to the merchant member, they will verify the authenticity of your driver's license, and the merchant may be willing to part with the material. Since Telecredit did not insure the check, only verified it, there is still the original six hundred dollar credit limit left. What this means is that you can write as many \$600 and over checks during the shopping period Wednesday through Sunday. Sony Trinitron TV sets, the top of the line sets with remote control, cost about \$635 with tax and make excellent items to purchase. Remember to look on the door of the store to see if they display the little blue and white Telecredit welcome check sign -- your check is welcome here. And while you are at it, buy all the neat little things that you always wanted but could never afford: jewelry, clothing, stereo, and whatever else your acquisitive nature demands. While waiting for the personalized, permanent checks to come in, it is expedient to look around for stores to buy at.

WARNING: Heed this well. After you have deposited the out-of-state checks to sweeten up the account, you may have over a grand on deposit. Do not go back to the bank and try to make a withdrawal. The bank will not give you the money, and if you have already started writing checks against deposit, they may want to detain you or worse.

Also, it is not recommended using your own car when out on the spending spree. Some merchants, especially grocery stores and department stores (when picking up the color TV's at the service entrance), will watch you when you leave and write down your license plate number. Rent a car if possible. Because many rental agencies will want a credit card before renting out a car, one may have to put a large cash deposit up, so prepare for it.

As previously mentioned, leave no links to your real identity. The slightest thread may be enough for the investigators to pick up on. Be extra careful using addresses and phone numbers that were on any applications, making sure that no one at these places knows who you are or where to find you. If references are needed on some applications, use out of state references of people who do not know you -- doctors, lawyers, and priest know so many people that they can't remember all of them. Lots of them listed in the fone book too.

BILLED FOR JAIL: The State of Michigan has filed suit against a prison inmate in an attempt to collect room and board for his stint in jail. According to the suit against Charles Frum, who is serving time for receiving stolen property, the state may require reasonably well-to-do inmates to pay \$12.14 a day. Frum says he'd rather go to jail.

Employees of at least 12 grocery stores in the Kalamazoo area haven't been on their rippy toes lately. They've been accepting checks for over \$100 payable to "E. M. Slick" and signed by "U. R. Stuck." To make matters worse, a police detective said the checks were copies of samples used in teaching cashiers how to spot forged checks. "I've never seen anything so obvious," the detective volunteered.

Alter third number policy

Calls made from coin phones to locations outside the United States and Canada now require no acceptance before they can be charged to a third number.

This action was taken Dec. 5, according to operator services, to help protect company revenues and to guard against fraud problems in the international market similar to the ones we have experienced in interstate, intrastate and local markets.

If an operator cannot get acceptance, he or she will suggest that the call be tried later or that alternate billing be provided. Last year the company lost about \$60,000 in uncollected revenues from international calls identified as fraud.

Even though the practice is being implemented throughout Illinois Bell, calls handled by International Operating Center (IOC) operators will not be affected. ■

FREE BOOKS

No TAP reader should be without lots of reading material. All the books one could ever want can be obtained from the Book Clubs . . . FREE! Here is the better-way-scam-it-yourself method:

- 1) Obtain some freebie applications (Book Club Membership Applications), preferably the ones that are pre-stamped by the Book Clubs. These can be obtained in quantity from magazines in one's local library, from one's own magazines, and in lobbies of hotels and in waiting rooms. Tear out the applications, fill in the selection numbers, and later, at one's leisure, fill in the rest of the blanks on the cards.
- 2) A suitable alias name should be used to join the Book Clubs and to order other freebies. The alias name should be typed on a piece of paper and scotch-taped to one's mailbox, notifying the postman where to deliver all the boxes of books that are going to come in.
- 3) It is useful to keep a list of all freebie packages sent for and received. Some clubs frown upon being sent two applications by the same person, and it is easy to make this mistake when sending out dozens and dozens of freebie applications. By making a checkmark on the list as each package comes in, outstanding packages are easily kept track of.
- 4) When all the packages have come in, one can take the alias name off his mailbox. A mail forwarding card for the alias can be sent to the Post Office, stating some distant forwarding address, and all the dunning letters from the Book Clubs will be automatically sent away instead of cluttering up the mailbox.

One's own address is a convenient place to receive the books; however, one might want to get the books sent to a mail receiving service. A mail address can be located thru the Yellow Pages under "Mail" or "Telephone Answering Service." Frequently, one will find that a Book Club offers only books that he has no interest in; order them anyway and give them to a friend, donate them to the jail library or sell them to a used book dealer for extra cash. Also, remember to take advantage of the Record Clubs, Tape Clubs, and other "bill-me-laters."

-- Boobala Bumpkinski --

"Things in our country run in spite of government, not by aid of it." - Will Rogers

Ceiling his fate

WICHITA, Kan. (AP) — A burglary suspect briefly went over the heads of dozens of policemen while awaiting interrogation at City Hall.

Eddie David Locke was unattended in a holding cubicle and crawled into the room's false ceiling, officers said. He moved around noisily for several minutes as dozens of employees tried to guess where he would come down.

A ladder was provided and Locke finally climbed down — to be met by a crowd that had gathered to watch. He threw up his hands and announced, "I'm the maintenance man. Boy do you have bugs up there!"

Locke was taken back into custody immediately.

Big Neighbor is listening

Washington (UPI)—Since a toll free federal "fraud hotline" was set up last January, Americans have snitched on their co-workers and neighbors more than 7,100 times.

As a result, inspectors general of the 12 cabinet departments are investigating almost 3,000 substantive allegations of fraud in the government. The tips have come in on a telephone line set up by the General Accounting Office to take tips on waste, fraud and illegal activity involving government money.

The 24 hour toll-free number is 800-424-5454.

TAP, Room 603, 147 W. 42 St., NY 10036

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