

by Oz Y. Mandias

This column is dedicated to the H-Block IRA martyrs ('God save the queen, the fascist regime...') and to the assassin of 'Maximum' John Wood Jr. (named after the type of sentence he hung on drug defendants), the first federal judge to suffer that fate; a .243 deer snuffer that blew his chest open (S&W Model 1500?; as they say in Belfast, 'God made man, Armalite made 'em equal').

'Death is the greatest kick of all, that's why they aave it for last.' -- graffito

Julie's In The Drug Squad According to the Christian Science Monitor (4 Sept/80,p.8), the DEA has formed hit teams to nail clandestine drug-making labs in a no. of cities including N.Y., Chicago, Houston, Atlanta, Boston and Wash.DC. You can now pretty well assume that buying any hot precursors will rate an easy bust for the narcs; always make sure your equipment and chems. go through a no. of trusted (and separate) hands before you cook. Also, let the chems. 'cool off' for a month or 2 (or longer), move around a lot and be prepared to start dating your lawyer.

Stings are as common-place as corrupt and/or perjuring narcs. Buckeye, Precision Organic and Merrill Scientific (See High Times, March/81), just to name a few, offered 'flagged' chems. and turned in customers.

Anyone interested in either buying or selling anything should write me c/o TAP.

Since the 'Better Living Thru Chem.' article, 2 new legal analogues have hit the streets (though they'll soon be illegal, of course): the methyl analog of fentanyl, sold as China White Heroin, and N-ethylamphetamine, sub'ing for the N-methyl deriv., commonly known as 'speed' or 'crystal meth.' They both originated in Calif., the latter undoubtedly via the Angels, according to informed sources.

'Psychedelic Chemistry', which I've mentioned in past articles is back in print. It's \$15 from Loompanics (Box 264, Mason, MI, 48854), with some new material, but still with a no. of errors, and still far from exhaustive or complete. It's still, however, the best by far available (at least above-ground, anyway) if you have the background to understand advanced 'chemspeak.'

Media 'The Poor Man's Armourer' is also available from Loompanics for \$17. It is definitely worthwhile acquiring if you're into 'rock 'n roll' (full auto) and other facets of improvised, cheap weaponry. Fuck the boys from BATF.

'The Falcon and the Snowman' (Pocket Books, \$3) is the true story of a couple of young guys, one a coke dealer, who became Russian spies. The protagonist is currently a federal fugitive facing 40 years hard time for his impertinence, and reportedly dealing coke in New England. A fascinating look at the corrupt and evil spooks in the CIA.

Underground Physicist's Corner 'The Secret That Exploded' (Random House, \$16) is the story of the attempt to suppress the H-bomb secret by the authour of the infamous 'Progressive' article, Howard Morland. There's a lot of good info here, including the original article. A triumph for the First Amendment in these dismal times of fascism's rise. 'Basement Nukes' (Loompanics, \$7) is O.K., but far less a book than Morland's. There's also far too much B.S. political clap-trap added by the authour and not enough technical detail.

Send in your plans & info.; UCRL 4725 where are you? Come on Rotow, cough it up!
Heavy Scene? If your neighbourhood is like mine, you can get bullet proof vests (Kevlar) for \$85 and up from either: CWS Enterprises, 3824 Kidd Dr, Honolulu, HI 96818 or Survival Equip. Sales, 60 Madison St., Geneva, NY 14456.

Feedback Yeah, how about some? It'd be nice for a change to get some interesting mail instead of just a letter or 2 asking for something. Even if you don't want me to publish it, send it in for 'selective distribution'. There's always a lot of info that wide-spread distr'n would negate the useful of, or that's a trade secret. I can dig; I've got some pretty good tid-bit myself that go to the highest bidder. So how's about it; want to trade? L.A. & Bay area TAPers are particularly urged to write; I'm currently in your area. Send all mail to TAP c/o Oz Y. Mandias. Long live outlaw chemistry!



TAP
Room 603
147 W. 42 St.
New York 10036

No. 69

COMPUTER PHREAK-OUT
by
The Wizard

High! It's been a while since I wrote anything so I figured I'd keep you up to date on the work down here at Muppet Labs here in The Bronx. I know I promised Tom an article on an auto-dial blue box for your home computer (I own a TRS-80 but I'll give enough info for you to modify it for any home computer) but due to a lack of time that project is on the shelf. HOWEVER, here's the idea, I've been working on lately. It's a microprocessor controlled brown box. As your handy pocket guide to colored boxes shows, a brown box is a combination of any two or more boxes. This will be a combination blue (of course), red and white (regular 16 key Touch Tone pad), as well as being a calculator. So you can carry it around without being conspicuous.

Right now it's just on the drawing board but here's what I have so far. The box will be designed around the NSC800 microprocessor from National Semiconductor. This is a new CMOS (low power), processor which will run Z-80 instructions. This is really nice, as I can develop the software on my Trash -80. National also has a new CMOS version of the 2716 EPROM. That's what the program will be stored on, assuming that it draws low enough current. I'm waiting for National to send me prices and specs now. Otherwise, a regular 2716 EPROM will be used. In this case, when the unit is turned on, the program will relocate itself into CMOS RAM and then disconnect the 2716. Scratchpad RAM and I/O are provided on one chip for the NSC800. Decoding the keyboard will be done by a 74C923 20 key decoder chip. The 12 digit output will be done using a multiplexed 74C912 6 digit driver chip to drive 2 six digit multiplexed LED sticks.

The audio output can be achieved in two ways. Either two output bits on a port can be toggled to give different frequencies or 8 resistors can be attached to an output port to create a D/A converter. This would give you a sine wave output.

From a software standpoint, the program would have to provide four major functions. These are: keyboard input, LED output, sound generation and timing, and math functions..

I haven't done any development on software yet but I have some ideas. First, on power-on the highest priority interrupt will clear all registers and workspaces and then dump you to the keyboard input routine. Numbers which are entered are outputted to the LED display. In order to use the box to generate tones, a special sequence of keys are pushed. A different sequence is pushed for each function, i.e. white, blue or red box. There only has to be one key different for each function so that many sequences do not have to be memorized.

The sound generation will probably be done using the D/A approach. A table of values will be stored in PROM memory (i.e. the 27C16) to approximate a sine wave. Two pointers will be indexed through the table at different rates for the different frequencies. The results will be averaged together and output to the DAC. This will be output (probably through a 714 op-amp) to the battery charger input, using a capacitor to block the DC from flowing into the output. This method can be used to produce any tones needed so that special combinations or single frequency tones can be produced using the same method.

Development can be done on the TRS-80. I plan to design and build a shared memory board so the software can be developed on the TRS-80, loaded into shared memory and the NSC800 system can be run off of the same memory.

That's all I have so far. If you have any questions, comments or suggestions send them to TAP and Tom will pass them on to me. Stay high and stay happy.

THE MONTHLY MESSAGE

By Messenger R.N.A.

This is the beginning of a new column here at TAP. I will do my damndest to answer reader enquiries on any and every subject that TAP has ever dealt with. I'll also report on various other research findings, developments, and hallucinations as they occur.

Bitch & Joan Dep't.: Why not start off with the bad news, right? Well, I just put the final touches on my new blue box... and found that it wouldn't beep off 800 nums, though it would beep off other long-dist nums. "Juts!," says I, "it looks like the dirty buggers put in a notch filter that absorbs 2600 and only works on WATS lines..."

The next day, I was on lunch break and decided to pay a visit to the local C.O. I gave the switchman a ration of appropriate BS by way of introductions, then proceeded to ask a few questions about electronic switching. Lo and behold, he tells me that all in-WATS traffic coming from Connecticut is now going through a 4E switch. (In case you're wondering, I live in a medium-sized city in CT.) Anyway, the bad news continued as he told me that the entire long-dist system in CT was about to be cut over to 4E that Friday. I could've had a shitfit right there, but instead feigned enthusiasm and arranged for a CO tour. Which you will read about in the next issue.

If you don't already know, 4E stands for Number 4 ESS, Bell's new computerised replacement for the old 4A Crossbar long-dist switch that us phreaks know & love & whistle sweet somethings at. 4E uses a type of out-of-band signalling called CCIS, in which calls are not actually assigned a voice channel until the called party answers, and in which all information needed to process calls (and trace them as well) is carried down a separate channel that has no direct connexion to the voice channel. What this means is simply the end of black and blue boxes. You can whistle and beep 'til your heart's content, but if it's 4E you'll get exactly nowhere. Which is why I could be heard cussing all the way home that night.

HOWEVER... like we say, old phreak never die, they just build a different color box. My next one will be red....

ALSO... it's now five days past due for cut-over of the main switcher, which hasn't happened yet, so there may still be some time. Also, rest assured that we're all working hard on new approaches to the new problem of 4E and when we hit pay dirt you'll read it first right here.

WATS-New Dep't.: Plenty of interesting research to report. One: Some outgoing WATS lines use SF signalling with 2600. The one I know of is from a certain institution in my town to a nearby big city, which is otherwise a long-dist call. On this WATS, you can dial calls in that city but if you try dialing the digit 1 first, to call beyond that city, the PABX at the institution whose WATS line it is, will dump you back to a PABX dial tone. HOWEVER, this will not happen if you beep a 2600 pulse quickly, which the PABX doesn't recognise but the WATS line takes as a digit 1, and then you can dial-pulse out the rest of the number with no hassle.

Here are some interesting nums that a friend and I found in February. I don't know what they're useful for, but if you study the list you'll notice a certain pattern to things. The pattern may give the basis for future hacking that might yield some very interesting nums. Also, most of these recordings identify the city they are in, so they might be useful for stacking tandems, maybe even for getting around the 4E problem. All of the following start with the 800 area code.

- 638-0022: 800 test line for "301 NPA" (Baltimore)
- 525-0056: ditto for "303 NPA" (Denver)
- 545-0055: New Mexico special inWATS test
- 283-0055: 800 svce. test. line for 217 NPA in Springfield (Mass.) 4A inward WATS test, 228, 445, 831, 843, this is a rec., 402-2C.
- 525-9999: three tones, then "The num you have reached... (readback) is being checked for trouble. Please try again later... (this has said that since January and still does!)"
- 533-0055: 4ESS Minneapolis office, this is a recording 612-3-SP-1.
- 533-0058: ditto
- 523-0056: inWATS test line for Filthydelphia 4ESS machine, 215-3C.

525-0055 and 0066 are exactly the same thing. 446-005x (x=0-9) 800 service test line for 804 NPA. (Richmond VA)

393-0055: The num you have reached, 687-0055, is not in svce in Area Code 614. Please check the num...

828-0055: 800 svce test line for 716 NPA (this is in Buffalo NY on a 4A)

433-0077: inWATS test 817-3C (Fort Worthless, Texas)

362-5715: ring, then 8 rapid beeps, then fast busy signal, a click, silence, back to dialtone.

362-5799: fast busy, silence, more fast busy, more silence, dump back to dialtone.

362-5755: ring, 8 beeps, busy, dump back to dial tone.

It seems that 800-362-xxxx in general make good scanning. If you decide to phreak around with any of this, please keep careful records of all your results and report them to "Messenger R.N.A." c/o TAP. Even if you dial something and get nothing interesting, let me know so others can be informed not to bother trying that num. ALSO: if you hit on something really intense (like a direct line to the White-White-Whitehouse) please don't mess with it too much until we all get a chance to look into it and figure out if it has any really special uses.

Uncle Sam Wants You, Dep't.: What Uncle Sam really wants you to do is to keep your nose out of his AUTOVON circuits. But then again, he also wants a lot of us to register for the draft, and do we obey? He'lllll No!

For a couple of years, a debate has been going around in phreak circles about what tones are used on AUTOVON. Three currently quoted guesses include the 4th column = 1633 hz guess, and the two other guesses that were printed in TAP #60. Take your choice and take your chances. Anyone who has access to reallive AUTOVON phones is encouraged to let his/her fingers do the walking over the keypad, while taping the tones. Use a small recorder and an induction pickup. Remember to also get the row and column tones individually by pressing two horizontal, or two vertical buttons at a time, going down from top to bottom and then from left to right. We can figure out the frequencies from what's on the tape.

Once we figure out how to get deep into AUTOVON, we can try calling our friends in the Pentagon and telling them exactly what we think about the neutron bomb and the arms race in general. Have fun & don't get caught.

General topix Dep't.:

A good BS story to use on switchmen in order to get into CO's is this: "Hi there, I'm currently working for an interconnect company installing business phone systems, and I decided I want to move on to bigger & better things like working on Inside Plant stuff for Bell. I'm really into all this new digital stuff... I know you give tours of the works for engineering students, so how about...?" Also, by way of "needing to study up for before you apply for the job," you might be able to get hold of some Practices manuals. Send Xerox copies to TAP, c/o Messenger R.N.A.

If you're into installing phones for yourself and friends, do not buy ITT or Stromberg-Carlson. Most phones nowadays are made like shit but these two companies are really shoddy workmanship. Besides, Stromberg Carlson is a tentacle of General Dynamics, a large weapons company. And ITT (which stands for International Tyranny & Torture) has done everything from building weapons for the Nazis in WWII, to engineering the end of democracy in Chile in '73-'74.

The best made phones around are the old Automatic Electric #80. If you can still find any. In any case, it's best to buy reconditioned or used phones than new ones, as the former were made in the days when they were supposed to be able to survive being dropped out a window.... A good company for all of this and more is BECO, Bohnsack Equipment Company, in Germantown NY. If you go to the warehouse direct, they'll sell you "as-is" for dirt cheap, and the stuff is generally in need on only a cleaning up, and a new line cord.

LIFE EXTENTION: SOD, super-oxide dismutase. A natural enzyme that eliminates free oxygen radicals. Available over-the-counter at many health food stores. May increase lifespan by one third.

OTC: Alpha-ethyl-tryptamine (AET) is a relative of the drug DMT and is also psychotropic. A speed like effect was reported at 75mg, a trip at 150mg, and a three day bummer was experienced by the jerk who took a gram dose. AET is available over-the-counter or by mail from chemical supply houses, and it's legal and inexpensive.

UNTESTED: Intravenous self-administration of nomifensin in rats--implications for abuse potential in humans. Reported that CNS stimulation is similar to cocaine. (Science, Vol. 212, 6/81, p. 1167.)

CUT: "The ideal coke cutter, in terms of snoot health, is a little-used, esoteric and nearly undetectable fine-powder version of silica oxide, which is, incidentally, a popular homeopathic remedy for nasal irritation." (OUI, August 1980, page 15--Dr. Hip.)

BOOK: Pleasures of Cocaine by Adam Gottlieb, 1978, And/Or Press, P.O. Box 2246, Berkeley, CA \$4.95. Highly recommended. An excellent reference on solvent and colorimetric tests to determine kinds of drugs and common cuts.

MARKET PRICES: Since the precursor phenyl-2-propanone became a Title 21 controlled substance over a year ago, the price has skyrocketed up to \$1000 or more a liter. Because of the high price and general unavailability, home production is thriving. Also, let the buyer beware because cases are turning up in the law literature where the DEA is selling P-2-P to find clandestine drug manufacturers. The usual synthesis of the ketone is the Magidson and Garkusha method, Chem Abstracts, vol. 35, page 5868, para. 5. Chem Abs are found at better College libraries.

BETTER TO RENT: A Falls Township, PA, man was arrested with 7 lbs. of methamphetamine. Federal Agents confiscated the house and the surrounding 35 acres. An agent at the Philadelphia office of the DEA said they seized the farmhouse and property as a new approach to drug enforcement in which the government seizes assets it believes were acquired through illegal sales of drugs. (Courier Times, PA, reported by Patricia Wandling, Staff Writer.)

GOVERNMENT ATTACKS FIRST AMENDMENT RIGHTS: Gary Barnett, owner of United News Service (UNS), a company that sells drug manufacture formulae to counter culture chemists, was arrested for aiding and abetting the illegal manufacture of PCP because he sold a drug formula to a would-be chemist (see 507 F.Supp 670, for the details).

The case survived the preliminary hearing and Jury trial was set for March 24, 1981, in the Tenth Circuit Court; a continuance is expected.

Unlike the publication of pornography, the very publication of which is a crime, drug manufacture formulae are legal to publish and sell; however, the government contends that an act of criminal conspiracy happens when someone tries to manufacture controlled substances using the formula. (The UNS address is: P.O. Box 333, Bay Station, Brooklyn, NY)

CHEMICAL COMPANY EMPLOYEES ARE DEA INFORMANTS: It has been published in the Federal Reporter that certain employees of Buckeye Scientific Co. had an agreement with the DEA to alert them of suspicious chemical purchases. The FR, however, didn't state which Buckeye employees had the agreement or if the proprietor of Buckeye, the late Dick Hall, had any involvement. Also reported was that Precision Organic Chemicals in Alsop, IL, was a DEA sting operation. (See U.S. v. Gentry, 642 F2d 385, for the details.)

NEW BOOK: Michael V. Smith's new book Psychedelic Chemistry is now being sold by Loompanics Unlimited, P.O. Box 264, Mason, Michigan 44854. Loompanics will send price and information with a request and a s.a.s.e. This information may be sent with their General Catalogue, \$2.00.

DRUGS OF INTEREST:

Longevity -- DHEA, dehydroepiandrosterone, an adrenal steroid, reportedly increases lifespan by 35 to 40 years and prevents cancer and obesity. (St. Paul Pioneer Press, 1-11-81, 8P.)

Legal Analogue -- methyl of Fentanyl. Morphine like in action and being sold as China White heroin. C(22)H(28)N(2)O. N-1-Phenethyl-4-piperidyl-propionamide. (See Newsweek, Jan. 5, 1981, "A Deadly New Drug Passing as Heroin." Note that the above molecular formula and chemical name is for fentanyl, not for the methyl analogue.)

Crusty thieves

PORTLAND, Ore. (AP) — The burglars were selective. They broke into Margaret Winters' home while she was away, took a pizza from the refrigerator, cooked and ate it, and placed two dirty plates neatly in the sink. And, she told police, they plucked all the leaves from a marigold plant. Nothing else was disturbed.

Chicago Jewelry Store Is Looted of \$1 Million

CHICAGO. — Burglars using sophisticated tools took an estimated \$1 million in furs and jewelry and \$30,000 in cash today from a North Side jewelry store, police and store officials said. The police said the burglars used a "black box" electronic device to bypass alarms at the Harry A. Levinson jewelry store, then cut through steel window bars with powerful cutting torches. Inside the store, they used the torches to open three vaults.

\$50,000 Reward for New Bomb

There has been a great deal of controversy in recent years about the proposed development of the neutron bomb, which is designed to kill as many people as possible without damaging buildings. Meanwhile, the San Francisco Ecology Center has offered a \$50,000 reward to the first person who creates the opposite of the neutron bomb—the vivatron bomb. The vivatron bomb would destroy

high-rise buildings and freeways but do no harm whatsoever to humans, animals and plants. The new bomb would cause concrete, steel and asphalt to deteriorate—but at a slow enough rate to allow people to evacuate safely. Entries should be sent to: VIVATRON BOMB San Francisco Ecology Center 13 Columbus Ave. San Francisco, Cal. 94111

Ma Bell Shows Her Stuff

According to a reliable source, this ad had its phones ringing—at Mountain Bell Telephone, with calls of protest. It seems

This Christmas, he's giving her some country c' arm.

ITS FOR YOU

the photographer inadvertently placed those two charming bells, which bear a strong resemblance to tits, directly in front of the model's similar apparatus. After the ad ran in such newspapers as the Arizona Republic and Denver's Rocky Mountain News, phone calls began to stream in with complaints about the ad's supposedly sexist nature. The phone company quickly withdrew the ad. Well, we never expected Ma Bell to have any balls anyhow.

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

"Public money is like holy water. Everyone helps himself." — Anonymous

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