

READERS

Dear Yipl,

Please distribute this little gem of info immed-iately- "The National Security Agency monitors and records every trans-Atlantic telephone call." Source- Ramparts Aug. '72. Also- "Of course, all trans-Atlantic and trans-Pacific Telephone calls to or from the U.S. are tapped."

I don't know if the NSA would pass info on to the FBI about phone phreaks, but its certainly conceivable that they may.

It seems ITT is pushing Astrofood to school kids through a subsidiary, Continental Baking. I think we need to find out just how much ITT controls. If I get the time I'll go to MLPF&Fs and check Standard & Poors to see if I can get the scope of operations of this giant. J.R., Atlanta, Ga.

Dear YIPL,

Just a note to give you a few comments on the August issue(No. 12).

First, the Red Box: you might note that it is also important to provide a contact and make the line connections which will ground the tip side of the line when you beep the box. When a coin is placed in a pay phone, the mechanism grounds the tip side for about 1 second; this is what gets you dial tone on a so-called prepay phone. Then, when dealing with the operator for longer calls, the beeps tell her that you've paid, but it will look a little funny if the equiptment doesn't register the dropping of coins.

Both are necessary for a realistic simulation. (The terms "tip" and "ring"(also "sleeve") come from the old manual switchboard days and describe the connections on a cord plug. These archaic terms are still used today: the tip side is the green wire and Ll if things are hooked up properly; the ring side of the line is the red wire and L2.)

Second: I have constructed several Blue Boxes using the Signetics NE 566 IC. I do not recommend it for several reasons: 1. It is designed to be a voltage-controlled oscillator and is very good in this role. It is so damned voltage sensitive that it needs a very stable, rock solid battery supply. Even with a zener regulator after the battery, which is getting rather silly, it is no good because of 2. its temperature sensitivity. Using mylar caps and metal-film resistors T got an B% variation between 35 F. and 90°F., hich means you have to re-tune the thing all the time. Finally, diode variations lead to unreal differences between tones that should be the same frequency. Best Wishes, T.V., Calif.

NO.13 FIGHT BACKI

SEPT. - OCT.'72

THE YOUTH INTERNATIONAL PARTY LINE

Many telephone services at your fingertips simply require the correct number to perform for you. These New York numbers all work in areas of N.Y., and many out-of-city and out-of-state readers will find they work in their neighborhood. We'll publish Los Angeles and San Francisco numbers if we receive them soon. AREA CODE 212

324-0707 Sweep tone at high level. When comparing an oscilloscope trace of this tone to another made at an earlier date, detection of taps is possible. DE2

HY9 9932 Silent line-Line will be held open while off hook without making noise. TW1

XXX-9980 Dial your prefix(first 3 digits) and 9980 and you will get a 6000 cycle tone. It has a slight tendency toward being permanent, unless the phone hook is hit twice. 311

958 These numbers, when dialed, read back the number ou are on. Great in apartment basements for finding your line, or unused free lines waiting to be connected.

560(wait for tone)09(wait)6(hang up)

660-your last 4 digits(wait)1(hang up) RING BACK 6606(wait)6(hang up)

Prefix-9901 Verification. Sound like Telco employee. or dial 0,ask for "260 official 0-1" and get the same without even paying a message unit. By the way, don't use 260, use your own prefix. When verifying operator comes on say, "Verify such and such please."

New Yorkers are up in arms against the Great Subway Ripoff. It seems people are buying the standard electrical knockout boxes at hardware stores, removing the knockouts, and then filing down the nitch where it was attached. Then they proceed to use them as tokens in turnstiles. It turns out that they work in turnstiles almost anywhere in N.Y. Exceptions are Penn Station. If the knockout falls through the mechanism, they follow it with a real token and walk right through. The 40¢ boxes contain 17 knockouts, each worth 35¢ when filed a bit. YIPL readers are urged to watch out for these people, as they wipe their fingerprints off the slugs when they drop them.

Readers who missed the Phirst International PHONE PHREAK CONVENTION will be able to read about it in the latest issue of Ramparts Magazine, and in Telephony, the magazine of the telephone industry. The Telephony article, though somewhat biased, plugged our address for company execs, advising them not to reveal identities when writing us. Cute, huh? Now we've got ATETs execs reading YIPL! However, we applaud Telephony on the ridiculous accuracy of their name, and salute their new readers with finger upheld!

MORE BOX PLANS

Correction- The 39K resistor used for setting the gain of the amplifier in last month's is-sue is incorrect. It should be between 5 and 6 thousand ohns in value. Too large a value will cause a buzz in the amplifier from too much gain.

as ancorrect. It should be between 5 and 6 thoused obras in webse. Too large a value will cause a burs in the amplifier from too much gein.
Let's clear up a few details in last month's hub construction planes. For thouse of you without a lot of test equiptment, this might help you a bit.
Let's clear up a few details in last month's hub construction planes. For thouse of you a bit.
Let's clear up a few details in last month's hub construction planes. For thouse of you a bit.
Let's clear up a few details in last month's hub construction planes. For thouse of you a bit.
Let's about the initial oscillating frequency of the oscillator. Otherwise, a voltage drop of a voltage saint that a single bar of the lot of 20 degrees and thouse of the lot Quel oscillator is on the verye of turning off, so a night of a lowy the purers sine way. But the saint of a longer show that in greater than 18 are ready. A haemood rogan showing with a very of a single distortion of the wave can and must be tool.
Taning up to a touch tone phone(frequencies given last month) will result in greater than 18 are ready. A haemood rogan showing will have better success and less of T'm sorry, your call did not go thru'.
Respect-Call only freq up phone, call from shore to ready out the success of a less of T'm sorry, your call did not go thru'.
Respect-Call only frequencies than 50 colls on the phone to the societary sorre that will probably never be housed on again. The phone company has records of 800 calls and the other blue-blue thore strates.
Respect-Call only frequencies that signat they have blue thous to investigate.
Hy your call doesn't go thru, it may be your way harsh, it couls from all the strate code you will blue be blue signation maker in the area code you will be boxing do not key in the area code you will blue beoxing do not key in the area code you will blue beoxing do not key in the area co



square wave, generated by an on-off type f device such as a multivibrator, has a of of harmonics, sounds harsh and is not s effective as a sine wave, though often asier to make.



pure sine wave, from a Twin T oscillator, ar om a touch tone phone, is the best waveshape or activating Western Electric's brain.



A Twin T oscillator slightly distorted, because it is tuned 5% higher than its initial frequency of oscillation. Its stability is excellent. It's dynamite for boxing.



A triangle wave, generated by the Signetics 566 IC(Integrated Circuit), Because it isn' a pure sine wave, it sounds harsh because i contains harmonics, and it doesn't work as well, though it does work.



This is a sine wave with its peaks flattened (or cut off), It causes distortion, harshness, and trouble. A telephone espises has a dual diode connected across the terminals in newer units, and if the signal level is too great the diode absorb the peaks of the sine wave, thus dualing the waveform to distort like this. Remove the diode before using.

DIALING OVERSEAS CALLS

COUNTRY CODES 969

COUNIR	1 4	. UDES	
ADEN	969	LAOS	856
AFGHANISTAN	93 405 21 584 244 54 61 43 973 266 267 32 591 55 592	LEBANON LIBERIA	961
ALBANIA	405	LIBERIA	231
ALGERIA	21	LIBYA	21
AMERICAN SAMOA	584	LUXEMBURG	352
ANGCLA ARGENTINA AUSTRALIA AUSTRIA	244	MACAO	853
ANGENTINA MICEPALTA	54	MALAGASY MALAWI	261 265
AUSTREA	43	MALAWI MALAWI	60
BAHRAIN ISLANDS	973	MALAYSIA MAURITANIA	222
BASUTOLAND	266	MALI	223
BASUTOLAND BECHUANALAND	267	MALTA	356
BELGUIM	32	MEXICO	1
BASLITOLAND EELGUIM BOLIVIA BRAZIL BRITISH GUIANA BRITISH SOLOMON IS. BULGARIA	591	MONGOLIA	854 212 258
BRAZIL	55	MOROCCO NOZAMBIQUE	212
BRITISH GUIANA	592		258
BRITISH SOLUMUN 15.	407		977 31
BUDAL	95	NEW CALEDONTA	687
RURINDT	257	NEW HEBRIDES	678
CAMBODIA	855	NEW ZEALAND	64
CANADA	1	NIGER	227
CAPE VERDE IS.	238	NIGERIA	234
CENTRAL AMERICA	1		260
CEYLON	94		47
CHANNEL ISLANDS	355	NRUE	688
CHILLE	55	PAKISTAN PARAGUAY	92
COLOMBIA	269	PERU	232
COOK TSLAND	685	PHILIPPINES	92 595 596 63 48
NA NA	53	POLAND	48
BUICARIA BURNA BURNAI CANBODIA CANADA CAPE VERDE IS, CEVIDA CHILE COLUMBIA COMORES COMORES VA VA SUIS CECHOSLOVAKIA	357		351
CZECHOSLOVAKIA DAHOMEY	42	PORTUGESE GUINEA PORTUGESE TIMOR	245
			672
DANUALI DENNARK ECUADOR ECYPT ETHICOTA FIJI ISLANDS FINIAND FRENCH GUIANA FRENCH FOLYMESIA FRENCH SCHALLAND GAMELA GHANA GEREN BRITALN	45		262 404
ECUADOR	293		070
EGIPT	20	ST. THOMAS & PRINCE SENEGAL SOUTH RHODESIA SOUTH WEST AFRICA	239
FLUT ISLANDS	679	SOUTH RHODESTA	263
FINLAND	401	SOUTH WEST AFRICA	264
FRENCH GUIANA	594	SPAIN	
FRENCH POLYNESIA	689	SUMALI REP.	252
FRENCH SOMALILAND	253		597
GAMBIA	220		966
GHANA CYBRALTAR	255		268 46
GREAT BRITAIN	44	SWEDEN SWITZERLAND	41
GREECE	30	SYRIA	963
GUAM	682	#1 Tr (34)	86
GUINEA	224	TANZANIA	255
HADRAMANT	975	THAILAND	66
HONG KONG	975 852 402 354	TOGOLESE REP.	228 676
HUNGARY	402	TONGA	676
INDIA	91	TINISIA	21 36
INDONESIA	91 62	TURKEY UGANDA	256
TDAN	99		1
IRAQ	964	tiento	7
IRELAND	964 353 972 39	UPPER VOLTA	226
ISRAEL	972	IRUGUAY	598
ITALY	39 225 81		58
IVORY COAST	225	VIETNAM	84
JAPAN JORDAN	962	WESTERN SAMOA WEST GERMANY	683 49
KENYA	962 254		49 967
TEA	82		38
	965		-
-			

The procedures for calling overseas are more involved than normal long-distance calls, but they are infinitely for out and become easy with a little practice, we have here a list of all the country code, city code, and number consists of country code, city code, and number. The number constructs with relaphone service and their associated codes. A overseas number consists of country code, city code, and number. The number one you have benedi off your free number, whether information or a wates line(600), you sust route to an incernational center. Seven of these exists in the U.S. 183 New York 185 Neitzenstein 186 Neitzenstein 187 Denver 188 Nortwal 187 Denver 188 Nortwal 188 Schutzel 188 Nortwal 189 Denver 188 Nortwal 199 Denver 198 Nortwal 199 Denver 1

The just load enough to wise it out. should If ster receiving intermetional fail tone, you key numbers and blue it, you can try equin by beg-ing off, but remember that you must re-key access code to get another intermational center sender. So each time you beep, key KUDIXXST, and continue from there. As in regular calls, once you get a code to get under the sender. So each time you beep, key KUDIXXST, and continue from there. As in regular calls, once you get a code to get a nother is a sender that the sender of the you try to beep off a call that has been complexed, and redial, you will get a local dial to me within 20 seconds of beeping 2500 cycles. If talk is cheap, blass it on YTPL will be up of the sender that the sender the sender consing soon as our research and development team sends it in for publication. Beenber, you are the source of our information.

BACK ISSUES 50¢ 1- Extension phones, conference switches 2-Blue Box Story and Abbie on ripoffs 3- Telecommand story 4- Pay Phone Issue 5- Blue Box 1 Now obsolete 7- Tuning your organ 8- 1972 Credit Card Code 9 10 Super duper project(See issue 11) 11- Receive free long distance calls 12- Blue Box plans 13- International calls (this issue) FACT SHEETS 25¢ How not to get caught making credit card calls Receiving free long distance calls YIPL, c/oTAP, room 418, 152 W. 42 St. YIPL, ROOM 504, 152 W. 42 ST., NEW YORK, N.Y. 10036 SUBSCRIPTION \$4 First class and Canada \$6 BACK ISSUES 50¢ each Foreign \$7 ADDRESS CHANGE - PLEASE INCLUDE OLD ADDRESS NAME STREET & APT.# CITY STATE YIP OLD ADDRESS-STREET CITY STATE YIP NUMBERS OF DESIRED BACK ISSUES- LIST HERE



Above is the Bell System's new "musical keyboard" insert thous the digits of telephone numbers in musical notation, just as they are sent across country.

Playing a tune for a telephone number

Before you talk over some of the new Bell System long distance circuits, your operator presses keys like those shown above, one for each digit in the number of the telephone you are calling. Each key sends ont a pair of tones, literally setting the number to music.

In the community you are calling, these tones activate the dial telephone system to give you the number you want. It is as if the operator reached across the country and dialed the number for you. This system, one of the newest developments of Bell Telephone Laboratories, is already in use on bundreds of long distance lines radiating from Chirago, Cleveland, New York, Oskland and Philadelphia, and between a numher of other communities.

It will be extended steadily in other parts of the country-a growing example of the way Bell Telephone Laboratories are ever finding new ways to give you better, faster telephone service.

BELL TELEPHONE LABORATORIES



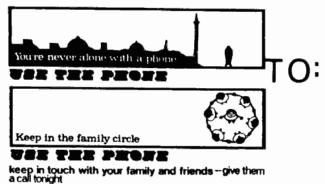
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TIME TO RENEW?

Next to your address there should be a number. This is the first issue you received. If its a l or a 2, it's time to renew. Renewing promptly will prevent you from missing a single issue, as they say.



VSE TEE PEORE