Naked came the crook

A node man who came in from the cold to rob a gas station early yesterday had a decided advantage, police mid. The attendant was . female. The fied, leaving the sourmed man free to empty the cash register, then strell casually from the scene of the crime.

PREEBASING COCAINE

by Dr. Atomic

Freebasing cocaine is basically a California phenomenon, but it's a practice that is popular with entertainers and with others who can afford to indulge in the pleasures of cocaine. Freebase cocaine is smoked in a special, glass water pipe called a freebase pipe, and after taking a toke the onset of the high is quick: it comes on faster than snorting and almost as quick as an i.v. injection -- it's like injecting cocaine without using a needle. After inhaling the freebase cocaine vapors, your hearing drops, and you get an incredible rush even before enough time passes to exhale the smoke. Unfortunately, the rush and the high don't last long, and the desire to smoke some more coke is compulsive. In fact, it is so compulsive that people who hang around the freebase pipe, impatiently waiting to get another toke, are known in the vernacular as "freebase vultures". But before the cocaine can be smoked, it must first be prepared.

The cocaine purchased on the street is usually cocaine hydrochloride (HCl), a water soluble salt of cocaine that is suitable for snorting or injecting, but not for smoking. Cocaine HCl burns at a high temperature, about 200°C, and if it's smoked, much of the cocaine gets carbonized, burned up, instead of reaching your lungs as vapors. But, by changing the cocaine HCl to cocaine freebase, you get more of the desired cocaine vapors and less carbon because the freebase vaporizes at a much lower temperature than the cocaine HCl does.

All it takes to change the cocaine HCl into cocaine freebase is a little home chemistry. It's easy: if you can bake brownies by following a cook book, you can freebase coke. The only supplies needed are some inexpensive chemicals and equipment that are easily obtainable at your local paraphernalia shop. Equipment and Supplies

1 freebase water pipe, glass

2 screens, fine mesh, for pipe 1 glass freebase vial, 1 oz, with top1 1 mirror

l single edge razor blade l box baking soda

1 bottle of petroleum ether or ethyl ether2 1 book matches or butane lighter

NOTE 1: Ethyl ether and petroleum ether will dissolve many plastics, so the tops of freebase vials are specially made of ether resistant plastic. NOTE 2: Use caution when handling ether. The

vapors of both ethyl ether and petroleum ether will ignite explosively near an open flame. Make sure that the room is well ventilated when extracting with ether. When freebasing in the kitchen, make sure the pilot lights are out on the stove and the hot water heater if they are nearby. Also, don't smoke or light matches while there are still fumes in the air.

The Freebase Process 1) To a 1 oz glass freebase vial, add 4ml to 6ml

of warm water. Less than 1/4 of the vial is more than sufficient water. 2) Dissolve 1/4 to 1/2 gram of cocaine HCl in the

water to make a cocaine solution. Shake or stir if necessary to dissolve the cocaine. Add about 1/4 gram, more or less, of baking

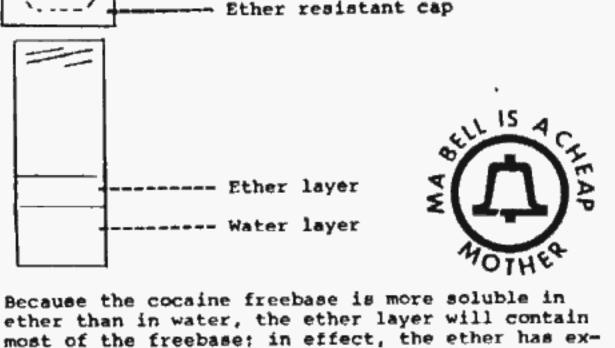
sods to the cocaine HCl solution. It is better to have an excess of baking soda than not enough. Next, shake well. This changes the cocaine HCl to the freebase. 4) Using a glass eyedropper, add 2ml to 3ml of

ether. Shake well. The ether extracts the freebase cocaine from the water layer. As a rule of thumb, use half as much ether as water. Since ether and water do not form a solution, the ether will rise to the top and form a distinct layer.



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No. 70



tracted the freebase cocaine from the water layer. This first ether extraction is known as the "first wash". The water layer can be washed one or two more times with ether to extract the small amount of freebase remaining after the first wash. 5) Siphon off the ether layer with the eyedropper, making sure not to take any of the water layer. Drop the freebase saturated ether carefully onto a

clean mirror or glass surface. When the ether evaporates, a white powder should remain: this is the cocaine freebase, and it's ready to smoke. So what are you waiting for? The freebasing process removes some of the water soluble contaminants (cuts) like mannitol and lactose, so the yeild, i.e. the weight of the cocaine freebase obtained will weigh less than the cut-coke that was started with; however, no significant amount of cocaine is lost; only the cut

is removed. Thus, a gram of cocaine HCl that is only 25% pure is not a gram of cocaine but a 1/4 gram of cocaine, and the yeild of freebase cocaine, for this particular sample, will be slightly less than 1/4 gram. The cocaine freebase, however, is nearly pure, compared to the starting material, and a smaller dosc of the freebase will be just as potent as a larger amount of the cut cocaine. So, start with a small hit, a match size line or less (20mg to 50mg). Remember, just like snorting or injecting,

you can consume too much by smoking. Be careful how much you smoke, and be careful, too, for police and informers: cocaine is still illegal. Have fun with your chemistry projects, stay high, and stay free. Man nabbed in phone fraud

New Jersey Bell Telephone Co. police EAST BRUNSWICK - A man wins described himself as an electronics ensaid gineer has been arrested on charges. Investigator James Witanek of the

stemming from the use of a "blue box," a gadget the size of a caluculator that emits electronic signals that bypasses regular telephone of its equipment. Tarkeshwar Singh. 50, of 16 i aur Place, is was freed on his own recognizance after be was arrested yesterday.

in a public phone booth at a Route 18. department store, Detective Donald Henschel reported. Singh was charged with possession of a bergiary tool, the "bit. hox," and theft of \$300 worth of per ices from

phone company's security division in Newark, said the investigation had been in progress for several months.

During that time, he said, Singh used the device for \$300 worth of phone calls to Japan and Hong Kong. In addition to the "blue box," investigators confiscated a schematic design of the instrument which they said had been sent to Singh by an acquaintance in West Germany. "These electronic devices are a cou-

tinuing problem to the telephone dom-

pany," Witanek said.

IX) IT YOURSELF CALL FORWARDING DEVICE 71 TO PHONE LINE #1 (16) 81.1 WI . TIMER MOTOR SWI A

Phone input res: 200 ohus OFF HOOK: 7.5 VDC @ 60 ma Ring: sprox 50 VAC (My cheep multi-meter dosen't read AC mils) Tl (mic burton) res; 600 ohms

U3 (ear piece) res; 20 ohms. (leads feeding earpiece show 80 ohms across them) Ringer cold rest aprox 3Kohms. Only one cold.

In response to several pleas from your pub, enclosed to some technical dara on the Pacific Telephones in Pasadens.

TO 110 YAC

(Prefix)-1-(Prefix) gets a weird "cicky-tock" Rine Back ≠ 6105-61 sound: (Prefix)-0002 gets a nice 1000 cos tone: (Prefix)-1118 gets a real loud rone; (Prefix)-0000 gets a central office recording which includes the unlisted phone number for the office

What was supposed to be the verifying number (Prefix)-1111, gets the "hot in service" recording; (Prefix)-0003 gets the referal operator: (Prefix)-0119 is a private party's home fone; I'm trying to come up with a design for a "Dial through Cheese

Box* turt of a gistck, but the best I've been able to come up with is enclosed, but it's not what I want. I could do it if we had T-T phone hereabouts, but we're stuck with impulse dials. Drat. Any trleam?

DO-17-YOURSELF CALL FORWARDING DEVICE MATERIALS: C1= 1.0mfd 3 400 VDC RLI- 4P.OT Relay. 115 vac chil T1- Audio isolation emformer, arrox 600 ohms imped,

100 to 200 nhms DC Res.

(in this case 576-6119);

Dear TAP:

MI- Timer Motor, 115 VAC 60 CPS Swim- First section of rimer switch, set for aprox 3 min

closed, 10 sec. onen (due to circuit configuration, timer will self-index to "onen" position of this switch). SWID- Second section of timer switch, set for minimum possible duration "on". Indexed to close after Swis has come our of derent. This is the critical factor in

choosing the type of timer. "on" duration must be less than time required for "name caller" to finish dialing. ADDITIONAL ITEM REQUIRED, BUT NOT SHOWN 1. ea. battery nowered "Name Caller" dialing machine NOTE: Over-ride disconnect switch (Tone Sens, Relay?) may be

LAS VEGAS (AP) — What do you say to a set learning."
That's what police were mondering at 5 a m day when they arrested Karl Humaker, 26, of Vegas, as he was clumbing down a ladder in the carrying household goods from an apartment Humaker was booked for mesuniques of bergis Humaher was booked for severagation of burgiary Officers gove no reason as to why Humaher had or TO PHONE LINE #2 (OUT GOING)

"NAME CALLER" DIALING CONTACTS

DELAND, Fig. — A defendant usually gets to make our free phone call, but for a few ternales at the Volume County Jali that

erently wast't spough. Using cota-operated telephonen in the joil, least six immates made \$32,000 worth of illegal calls, according to

Calling his buff

Assistant State Attorney Hornce Smith. The immates charged the quile to faile credit cards or to telephone numbers of seven citizens in this central Plorida city, he said. Three immates have been lound guilty of charges in connection with the telephone case.

Jail phone line busy

and three others are awaiting trial. Smith said. TO "NAME CALLER" START SWITCH blickings Bell Telephone Co., the glass corporate harrie-tion that touches all our fiver and wallets, gats absolutely gody whosever we reach for the unophase. Sell spends multions of deliars around the clock and calendar for prove-tions and public relations to persuade as to reach over-

We are taught, however, obliquely, that we are discipus-aged unions we have telephanen hately in every room of the series and office, or if we do not use these to facilitate every d of communication. Shop by phones and aluminum and phones, solicit and collect amoney by phone. Teleph ir mother, lover, great uncle and your untire high-ech

> in a poor persons And. do invest in one of those redevices up you will never, never miss a call, even a wron methor. That way Michigan Sell will never miss collection for the call. We will all live happily ever after. One ringy-dingy . . . All this, and more, is the implied message of Sell's advertising. I have no argument with it. I would rather write then phone, or receive a letter these a call. Written words are

cing class at least once a week, just for the kick of K. et a meanam line for the kids! Get a car phone: Give a phone

special to me. Spokes words transmitted by electronic devices may be special to other people. The absurdity that nion is not in the advertising or svin in the concept of lephone as an extension of the human mouth and our. Hare's the absurdity: In its ever-diligent determination to pand survice, the usinghous company has opened 35 new some Conters around the state during the past 15 months or

so. These are retail stores, more or less, in which you can purchase telephones (Sell calls them "leaframents") and this arrange for installation when necessary, straighten our arrange problems and presently do your telephone business. These places are designed at walk-in contern, hower Therefore — and here it could — they are not included takephone book listings. This is not an oversight. The Pla-Contern have unlisted inimphone numbers. This is what I call about to a content of the content o

I know about this because a tellow named Jerry Scoweiji think) intephoned me to tail me about it. He had seen one of these Phone Conters near Telegraph and 13 Mile and wassed Two ringy-dingies . . .

"I conside't find a Setting," he said. "me I staind the information operator, it rong 20 times and I hung up. Then, I dialect Bell headquarters, and someone there told me the number is unitated. The person said Reil drown't want its people bethermi by phone calls, I swear to you that's what I

He told me a lot of other things. He half Ball workers at the Phone Centers do not have accoun to cooking records and are not really set up to help with hilling problems or repair problems. He said they have in refer all three things to affect departments, which they will do, that that's a redemand for them and a hold on life resonance. He said the mean being its

Company B to Company C; then call from

Company C back again to Company A and

finally to a non-releasing Time and Temperature

number that, of course, will never hang up. By

doing this on a Friday evening (none of the companies being aware of it until Monday morning),

they can tie up entire systems for many hours of

Computer 'erases' phones

connected at point x-x.

All Pel-Lesephones at the champ administrative complex in Elizabeth.
All Pel-Lesephones at the commy com-plex went sheed abortly before 12.30 s.m.
when a memory board in the telephone
operations room bersed set, according to James Deisery, director of central Delinery said critical county opera-

speet caused a total communications. Stickent restoracy at the Union County

were operative, or optical to "bool it" to-tween various floors or buildings in on offert to maintain remaniscences such the system was repeared just after 3 p.m.

monitor usage and get better utilization of long distance facilities. Because the company has a large number of people traveling, remote access to the company's long distance facilities was installed to reduce the number of credit card calls. A series of inward WATS lines are connected to the long distance control system at headquarters. When traveling, company representatives can simply dial

access to the company's long distance facilities including toll and out-The remote access system seemed to be working great. Credit card calls had been all but eliminated and the overall cost had been reduced. Then about six months ago, Petrie was in the midst of doing the detailed monthly billing of calls to station users when he noticed that one person had been making a large number of 800 number calls via the remove access. Petrie thought to himself, "This guy's got to be a stuped fool to dial our 800 number to place a free 800 number cail!" When questioned about the calls, the man denied making any remote access calls at ail that month Totally confused at this point, Petrie called several of the 800 numbers listed on the billing report. In every case, when the call was

answered, the familiar tones indicating entrance to a remote access

system were heard. A phone freak clearly was at work!

Petric immediately changed all codes, pauses and methods of gaining access to the company's system. That night, the mysterious caller tried 60 umes before he finally figured out the new procedures and codes. Petrie made another major change, but the caller cracked that in about 20 tries, and then placed a call to Germany. Petrie removed international dialing from the system and called the telephone company security

told these managers how I had reached them." After about a week, the telephone company security people showed up and after reviewing the documentation were amazed. They traced all of the called numbers, and came up with nothing but remote access numbers, "meet-me" conference numbers and services such as Time and Temperature in upstate Michigan. They did their best to trace calls back to the originating number, and came up with calls from California out of another company's remote access system.

Petrie says that to date his company has been

hit with about 6,000 fraudulent calls, which cost

about \$10 an hour. "Even with all this," he

Mennwhile, he decided to have some fun by

calling the 800 numbers on the billing report,

contacting each company's switchboard

operator and asking to be connected to the com-

munications manager. According to Petrie,

"The moments of silence were dealening when I

says, "I don't feel we look too bad compared to companies I know who have been hit for in excess of \$2,500 a month on international calls alone. He seems to take great delight in calling Herrz Rent-A-Car on Guam." John Petrie's problem is not unique. An informal survey by BCR reveals that a number of large companies, although by so means all, have had some type of a problem with unauthorized use of remote access facilities. Indeed, at least one large consulting firm has been investigating this problem for several clients.

The difficulty in getting access to a company's long distance facilities via remote ac-

cess varies considerably. The system used by

Petrie's company is one of the more difficult to

crack in that is requires knowing the proper in-

ward WATS number plus a valid authorization

code. The system used in ATAT's Dimension PBX may be less secure in that there is one common access code for everyone. In some systems, no access or authorization code at all is required. Simply dialing the special local or inward WATS number gives the caller immediate access to the long distance facilities. The communications

(1) Borrow a friend's diploma, put

your name on it and make a copy suit-

can take the signature from the

old diploma, awi get a faculmile when

the new President is named -- he will

probably have his signature in the pa-

pers or on all kieds of documents.

the Iriend's transcript and put your

a sen! thatworks like a notary's seal

for the transcript— you must emboss

your list of courses and grades to give

at that official look. You design the

embousing seni yourself: put your

birth sign in the center if you like,

some Latin on the outside, with the

words "University of Wisconsin." For

Latin phyanes we suggest a little jok-

ing, such as PECUNIA LOQUIT

(2) If you have a Gemini friend, got

able for framing.

"Give one the movey, this is a sticking," the near-word ten told Chauther Helder. Haider barnly glacend at the coorus hag on her country. Instead, the tedler, whose back vice premium. Sam Parrow described as "festly and very quick-wated," informed the man that he was in the wrong line.

She descript him to stood in a line screen the lebby, and while he region assessing her service, she called

The suspect was arrested and charged with other of bank robbery. Army wants to find long-distance cheets TACOMA — The Army would be reach out and touch a few individuals who like to make illegal, long-distance calls at Port

> Johnson Rustaurunt in Truston, N.J., and has been charging these calls to a mumber on the post. Worse yet, says Bill Wood, a base pokenner, return calls from Transce are billed to the same Ordinarily, long-distance on one through the Fort Lewis resourcedone center aware

\$1,000 a mouth, in May, the lette cause in \$4,500. "Probably half or more of them are fraudulest." Wood seys. "Dut we are checking and we will find those pumple," Those making such calls could be imprisoned for five years for the offence.

system to restrict remote access calls to the company's tie line network. A consultant who has studied the problem believes that most abuse of remote access to long distance facilities involves insiders or other persons closely associated with the company.

someone else, it is very hard to clamp down on One of the country's largest manufacturing firms uses an operator-controlled system in which someone calling from outside wanting to use the long distance facilities must give the operator a four character code. The communicasions manager told BCR that while abuse is "not a significant problem for us, we know that there are people using the network who are not authorized to do it. Some of them are retirees from the company who have been around for a while and know the score. With 10,000 authorization codes, it is not too difficult to find It appears that most cases of abuse are the

access the company's long distance facilities, but its computer system as well. Fortunately, they How To Cheat Your Ass Off In Skool "I HAVE ONLY LEARNED BY COPYING"

I believe him. I confirmed it with a telephone company spokeman. He mid. "The Phone Contars do have telephones, but we discourage telephone contacts. It's supposed to be a face-to-less operation. You know, a result coulet he shop for

aspectments, which tany will on, that there a malanace for them and a book-up for customers. He sook the main job of the Phone Contern is to sail phones and to arrange for environ-and that having no unlitted nameer books. All that translates to see so the mane thing as, "fall doors's west it's people bethered by phone calls." L)ove it. Placing a pivor absurdity is an earling an finding the green pumpids. Howe, 37's year torn.

had not yet found out how to obtain or

Wrong line, indeed manipulate data in the computer. TEMPLE, Treat (AP) - If you're one of them pro-John Petrie says one of the pranksters' tricks ple who always seem to be cought in the slowest-moving lan at the bank, you might unformed the predictment a "is to place a call to Company A's remote access. From Company A's system, they then call COMPACALISMS. RANG DOWN COLUMN UNIT STORY Company B's remote access; then call from The fellow scopped up to a tellor at the First National Bank of Temple and demanded that she fill his anch the county's radio system during the

ABUSE OF REMOTE ACCESS SYSTEMS

ompany to restore service.

force either waited until the telephones

ohn Petrie has a problem. Petrie (not his real name) is the communications manager for a medium size company in the Midwest. His company has installed a long distance control system to charged the \$1,300 call to the bear. Another has been colling from a pay telephone on Fort Lewis to a pay phone cutode the Howard an "SOO" number and then their personal authorization code to get

> manager of one large company says that his organization once used inward WATS to access long distance facilities through a Centres system without any restriction. A caller simpler dialed "9" and got access to the world. In one month there was \$5,000 to \$6,000 in unauthorized calls to destinations such as Israel, Hong Kong and Portugal. Belatedly, the company changed the

Often, it is a customer or a supplier who finds out how to use the remote access. Sometimes it is just the difficulty in keeping authorization codes from becoming common knowledge within an organization. One company the consultant recalls was using MCI Executet service, and the authorization code was supposed to be known by only a small group of persons. Eventually, a became known by a very large group. "I don't know how much security you can really put into it," the consultant says, "because once you tell the secretaries and they have to write memos to

result of people wanting to make free telephone cails. But there also seems to be an element of pranksterism involved. One company in the East, located near a large university, found they had a lot of outsiders accessing their telepho system. Suspecting university students, they got permission to install a call date recorder on the main university Centrex system. The data they collected confirmed that the students were, itdeed, living up to their reputation for technical wizardry. They had not only found out how to overtime charges." How easy is it to find a remote access number? If you have some association with a company that has one or with the telephone company, the answer is probably; not too hard. But if you have no inside information, the difficulty is much greater. To find out how hard it might be for an outsider, we decided to become a phone freak, and try to find an inward WATS fine connected to a remote access. AT&T says that there are about 40,000 interstate inward WATS lines, of which about one-half have unlisted numbers.

Presumably, a small percentage of these unlisted numbers are for remote access. Our experience suggests they are not easy to find. Knowing nothing about how the telephone company assigns inwards WATS numbers, we beaus by consulting a readily available directory of listed 800 numbers to see if there was any puttern to how numbers are assigned. Our assumption was that unlisted numbers would follow the same pattern as listed numbers, an assumption

that seems to be true.

numbers do have some pattern: that the digits in the exchange code vary with the geographical area. WATS lines in New York, for example, have exchange codes that begin with a different digit than WATS lines in California. (We deduced the location from the fact that the listing said that the number was good anywhere except New York or except California.) Knowing that a lot of company headquarters are located in New York, we selected some exchange codes that appear to be used very fre-

quently in New York. We dialed these codes

with varying combinations of the last four digits.

After getting three answers and six recorded an-

nouncements saying the number was no good in

the first (en tries (one number did not answer),

we further analyzed the digits and dialed 10

It appears from the directory that 800

good numbers out of the next 40. None of these numbers, however, was connected to remote access. After these 50 unsuccessful attempts, we got bored and gave up, deciding we were not cut out to be a phone frenk. But had we more perseverance or an automatic dialer, perhaps eventually we would have found a remote access system. Of course, even if we had, we would be only half way home if the system required an mathorization code. It is this difficulty in getting through the security precautions that makes most observers believe abuse of remote access results generally from inside information. For the user being hit, this distinction might seem academic but it does suggest that a company can cut its losses substantially by concentrating on more internal security. The following are some effective 1. Require a proper authorization code ia addition to the access number. 2. Assign remote access authorization codes

to a minimum number of people. 3. Provide enough digits in the authorization code so that you need assign only a small percentage of the maximum number of combinations. 4. Change authorization codes frequently. 5. When someone with a code leaves the company, retire the code. If possible, install as system which tells you if a series of invalid codes has been dialed.

7. Never give information on remote access

to someone you do not know. A while back, an

individual posing as an Action Communications

Systems employee was calling WATSBOX users

and asking for remote access numbers and

codes, ostensibly to update Action's records.

The caller was not from Action

sheat, you are most likely a rotten no good stinker with commis friends, dirty underware and a host of social diseases. The Revolutionary 3 Stooges try to discourage this type of behavior. It is both tacky and unsophisticated. We suggest that instead, you follow the advice of our friends from

can acquire. Have them write glowing name at the top--if the friend has a class to class. But, some object, what about Knowlrecommendations for you, and when dogree. Again, make a nopy. Ox if you have been here one seinyour file is built, put it in an employadge?" The person who has spent ester--and don't rush, you have 4 ment office. Some employment offtime at the University may just turn years to graduate the Take Over wayfees, such as the University Placether eye up at such a question, hard--you can got your own transcript and ment Burgau, will furnish forms for ly able to believe, that someone who could think he/she would learn anyrecommendations, so you won't have simply fill it in with courses it might thing of the slightest use while sitto get thestationery yourself. have been nice to take, Reduce-verox After your file is put in an employting in a lecture in not an extrayour worn to fit the form. terrestrial slien. The knowledgeable Convolidated Company in Chicago. ment office, job offers will be sent to a Saturn (discreet) firm with sell you believe that Education, under the inyou, and, as you apply for them, the

companies may contact your referen-

cen-- let them do it by mail and you

of the Capricorns, you will have time

to learn instead of just becoming pass-

yourself, too, by following your star

on food stamps and welfare, or get

ive. You can make life easier for

Freed of the ignorance and oruelty

can write replies yourself.

("Money talks") or OSCULA ASCULA

thank your lucky stars and proceed

to the next part of your education: ref-

erences. Choose or acquire three

friends who are cereful abut getting

their mail. Appoint them Deans or

Faculty members, depending on what

stationery you can get or contacts you

(3) Two-thirds graduated already,

("Kiss my sas").

FAKING IT: It was the morning after. After that is, dragging myself from the gutter in front of the Moonlight Bar to the back seat of my car. A bristly black hairy tarantula ran acreaming from my mouth. Unknown substances mingled with cigarette butts in my hair. I had a mid-term exam in ancient Chinese history in 2 hours. You could say that I was unprepared. I asked myself, "What would Mao tse-fly do in a case like this?" But the Red Guards were nowhere in sight. I was on my own. I entered the

These precautions should minimize abuse of remote access, but they will not climinate it. Ask John Petrie. He knows, MAKING IT: Nice people just don't cheat. This is a fact of life. If you do

Take Over, in Madison Wis., by just forgetting the entire mess. Fuck Skool! Forget cheating. Print up your own degree instead and get on with living. a new same by writing for the copy of a birth certificate of someone your own age who died young. With this certificate you're on you'r way to a social securty card, drvisz'sliscence, phones in other names, bills

falling forgotten into abandoned mail-

You can have four years of life,

not the living death of grawling from

boxes, etc.

ly, but a sort of venerual disease, a cerebellic gangrene, for which this paper may be used as condom (more mundane disease prevention may be obtained at the WSA pharmacy or the Blue Bus on Spring St. 1 SPECIAL NOTE - WE NEED MUCH MORE INFO. FOR A MORE DETAIL & D CHEAT SHEET LATER ON - PLESE SENDIN

fluence of Venus, is not at all love-

class, paused and slowly labled my blue book #2. I took my time writing a single grandiloquent concluding paragraph and handed it in. The professor later apologized for losing my first blue book and gave me a B. A cheat must always be resourceful. 1) Change the answers on graded tests. Bring them back to the prof and say, "Hey, I had this enswer right".2) Carry in completed blue books to the exam.3) At the end of the quarter professors leave graded tests and term papers in the halls for their students. Take the best ones and save them for future use.4) Keep all tests and papers to use again and again, use your friends'and visit fraternity files.5) Remember to never put down what you plagiarized from as a source. Use master theses from other colleges, the papers kept by departments at other colleges for the "serious researcher" and obscure books from other

libraries. 6) Despite propaganda, term paper companies are OK. TAKING IT: I know of one student who walked into the school print shop as

thurb and forefinger.].) Magio shops have special pencils which write invisible notes that can be seen with special glasses. 2) Intelligence is transmitted to several cheaters through an elaborate signal system. Pen point up is true, down is false. In multiple choice, fingers at chin level mean number of question- at waist level, number of answer. 3) Put cribs on the seat near your crotch. Open your legs to see it, close them to hide it.4) Transistorized tape recorders can be camouflaged as hearing aids. 5) Be imaginative. Hide notes everywhere. On skin and fingernails. As scrolls in objects such as watches end pens. On kleenex, gum & cigarettes. Write on the sole of your shoe near the heel for easy reading when crossing legs. On tape in the folds of clothes and behind sheer nylon. VIVA LARRY, CURLY FAMOE Pencho White Villa BRUGENTHURRY 3 STOOGES BRIGADE BOX NG, AMONT BRASIA, DAYTON ON 45949 this one particular siug. tion in every turnesse in 909 phony tokens a week A TRANSIT worker who but when I brought it in were being used. the system.

we found out it worked on

The device works by measuring the width of

the phony coins and drop-

ping through those coins

that don't fit the dimen-

sions of legitimate tokens.

home invention were tes-

ted in several high-volume

stations in Manhattan

with "excellent auccess,", a

Transit Authority spokes-

This week, the TA or-dered devices for installa-

man said yesterday.

Forty copies of Costa's

all kinds."

a-year problem with alug tokens has come up with an ingenious \$1 solution. Thomas Costa, a 46-yearold turistile foreman from Astoria, invented what he edils n "roll pin" device at home. "We were having a probiem at the Greenpoint Av. station" where thin steel sings were showing up regularly in token clerk buckets, he explained.

took it upon himself to

tackle the TA's \$1-million-

exams were being run off, sat down on a inked gally and walked of with a set of tests on his pants.1) Bribe or get friends who can get tests, such as janitors and print shop workers. 2)Go through waste paper cans for copies. CRIBING IT: What I have some to call the "Ethiopian Shuffle"was given to no by a fereign exchange student and has proven to be one of the best crib notes in the business. Taking a long narrow strip of paper that is folded like an accordion into a tiny book, you are able to write 10 times the amount of info that a normal crib sheet holds. It is then manipulated with

which have plagued the vention to the TA through subway system since it Its employe suggestion program, which means be was opened nearly 80 years ago, have been used at epidemic proportions since the fare was hiked to gives up all patent rights to the device. "The TA couldn't pay [employes] for all the stuff they've come up with," Nearly 30,000 fare best-Costs Inughed. ers have dropped phony tokens into turnstiles every "What did he get for developing this thing?" week since the fare in-

Costs submitted his in-

y was caught charging more than \$7,000 in overseas telephone calls to Greece using a "blue box," a device that emits tones reproducing the signals that guide telephone switching equipment. Last week, an Israeli couple was charged with making calls to Israel with a blue box from pay telephones

After an investigation by the telephone company, a

computer analyst making \$45,000 a year was charged

with making fraudulent credit card calls on his lunch

For example, a 70-year-old Paterson woman recent-

New electronic "watchdogs" are making it incress-

The watchdogs are computer monitoring systems

that have been set up to fight telephone toll fraud, which

cost New Jersey Bell Telephone Co. millions of dollars last year through phony credit card numbers, fraudulent third-party billing and the use of electronic devices to hypass automatic billing equipment.

The loss due to electronic fraud only can be guessed

st, since the devices work by circumventing company billing, but Bell spokesman Ted Spencer said the compa-

my had lost \$2.3 million through more conventional fraud

schemes in 1980. The costs eventually are passed on to

immigrants, middle-class suburbanites, businessmen

Company officials say telephone bill cheaters come from all segments of society, including college students,

ingly difficult to fool Ma Bell.

and the poor.

still on the phone

it," Cox commented.

tnow our systems."

John T. Cox, Bell's district staff manager of security and investigations, said the detection systems for illegal electronic devices were getting better all the time. 'If you're using a blue box on a regular basis in New Jersey, you're going to be caught," he said flatly. "I can almost guarantee it. Escorting a visitor through a seldom-seen computer room at Bell, Cox pointed out teletype monitors that can

pick up the use of the device and immediately tell inves-

figators where a call is being made from, so that

cheaters frequently are arrested by local police while

throughout Union and Middlesex countles.

Those found guilty of using a blue box can be fined. jailed and forced to make restitution. A blue box is nothing more than a tone generator that gives its user access to the telephone company's long-distance lines by fooling automatic equipment. Users generally dial an 800 toll-free number and send a

pulse that allows them to dial anywhere in the world without the call registering as a toll call. The device was named for the color of the first boxes sold through underground publications, but they have grown in sophistication. Cox displayed several confiscated boxes built into small, handsheld calculators and boxes the size of a cigarette pack. A young electronics engineer from Verona was arrested two years ago with a blue box he built directly into his telephone. The devices sell for up to \$500, but it's not worth

ing users. Because the blue boxes show no record of calls, Bell has run across cases of criminals involved in drugs and prostitution using the devices. Cox said the use of blue boxes was falling off, explaining, "People are realizing they're going to get . . . Since January, Bell investigators have come across

Bell prosecutes every blue box case it uncovers and

works with police departments to move quickly in catch-

32 cases that have resulted in 12 arrests and 11 Computer monitoring equipment also can pick out the use of other devices, such as black boxes, which avoid charges for incoming calls to a phone, and red boxes, which generate the sound of coins dropping in a pay telephone. Cox said new billing control systems soon would eliminate the electronic boxes. Of more concern is nonelectronic fraud, which Cox

said was growing nationwide. It can range from charging

a long-distance phone call to a stranger, to using a stolen credit card, but computers also are being put to use here. Bell plans to introduce a special billing system that will need personal codes to operate, similar to autotellers being used by banks. Customers also will be able to stop anyone from billing a call to their number with an automatic computer block that signals an operator not to accept such calls. However, it is impossible to stop all-fraud. Cox pointed out, "The people who are perpetrating the frauds



Sponcer tald.

Costa's book, Jos Spencer,

"I kissed him twice,"

was asked.

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according

A peak in alug use was reached in 1976 when 100,-

filiugs and foreign colus,

75 cents last month.

CTCBMC,

transit police.