Inmates were making money

RICHMOND. — Inmates apparently have been counterfeiting $100 bills in the Virginia State Penitentiary print shop, state and federal officials say. Several of the counterfeit bills were passed in Richmond stores earlier this week, a Secret Service agent said yesterday. "The Virginia Department of Corrections has uncovered evidence that bogus currency is being produced in the print shop," said state Corrections Director R.K. Pomroy. "There are aspersions," said William Sutherland, special agent in charge of the Richmond office of the Secret Service. "They're people inside (the penitentiary) and outside the prison system."

Rate Steps as Forbidden Knowledge
By Cheshire Catalyst

On a recent trip to Vermont, I was reading the front pages of the local telephone directory. I noticed some information there that I did not recognize from my directory in the Great Metropolis of New York. This was surprising, and so I thought that many other TAP subscribers might consider it Forbidden Knowledge also. It was a list of mileage's between Bell system Rate Steps.

<table>
<thead>
<tr>
<th>Rate Step</th>
<th>Number of Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1-10</td>
</tr>
<tr>
<td>2</td>
<td>11-22</td>
</tr>
<tr>
<td>3</td>
<td>23-55</td>
</tr>
<tr>
<td>4</td>
<td>56-124</td>
</tr>
<tr>
<td>5</td>
<td>125-292</td>
</tr>
<tr>
<td>6</td>
<td>293-430</td>
</tr>
<tr>
<td>7</td>
<td>431-925</td>
</tr>
<tr>
<td>8</td>
<td>926-1910</td>
</tr>
<tr>
<td>9</td>
<td>1911-3000</td>
</tr>
<tr>
<td>10</td>
<td>3001-4250</td>
</tr>
<tr>
<td>11</td>
<td>4251-5750</td>
</tr>
</tbody>
</table>

Rate Steps 10 and 11 are farther than calls within the contiguous 48 states can go, and are used only on calls to Alaska & Hawaii. Rate Steps within individual states are set by the Public Utilities Commission in each state. Write to the PUC in your State Capitol, and ask for the rate steps within your state. It may be for some interesting reading. It also upsets them that someone takes an interest in such things.

The Bell System computes the Airline Miles between central offices by giving each CO a V&H (Veritcal and Horizontal) grid co-ordinate. By feeding the V&H co-ordinate into an equation, you can derive any airline distance. A program in Basic to do this would read as follows:

```
999 END
270 GOTO 210
260 A1S=A2$: V1=V2: H1=H2
250 PRINT " MILES"
180 DATA MIAMI, 8351, 0527
240 PRINT SQR((V1-V2)^2/10 + (H1-H2)^2/10);
230 PRINT " TO "; A2$; " IS ";
220 PRINT "THE DISTANCE FROM " A1S;
210 READ A2$, V2, H2
200 READ A1$, V1, H1
190 DATA SEATTLE, 6336, 8896
170 DATA BOSTON, 4422, 1249
160 DATA ATLANTA, 7260, 2083
150 DATA NEW YORK, 4997, 1406
140 DATA WASH DC, 5622, 1583
130 DATA CHICAGO, 5986, 1342
120 DATA CHICAGO, 5986, 1342
110 DATA SAN FRANCISCO, 8492, 8719
100 DATA LOS ANGELES, 9213, 7878
90 DATA MIAMI, 8351, 0527
80 DATA SEATTLE, 6336, 8896
70 DATA BOSTON, 4422, 1249
60 DATA ATLANTA, 7260, 2083
50 DATA NEW YORK, 4997, 1406
40 DATA WASH DC, 5622, 1583
30 DATA CHICAGO, 5986, 1342
20 DATA CHICAGO, 5986, 1342
10 DATA SAN FRANCISCO, 8492, 8719
```

Testing reading. It also upsets them that someone considers it Forbidden Knowledge also. It was a list of miles between Bell system Rate Steps.

In TAP issue number 63, The Magician told how to add the 1633 Hz (4th column) tone to your Touch-Tone phone. Well, times change, as do phones. Recently, phones in the Pacific Telephone area (and probably elsewhere, as well), have an integrated circuit which produces those familiar Touch-Tones. For some unexplained reason, Bell used chips which are capable of generating 1633 Hz mixed with another row, making our job that much easier.

First, take your genuine Bell Touch-Tone phone and unscrew the screws on the bottom. Now remove the cover. Pretty good so far, huh? Then unscrew the two screws which hold the Touch-Tone pad to the base of the telephone. Remove the Touch-Tone pad from the pieces of metal which anchor it to the telephone.

Turning the Touch-Tone module over (to the left, that is, rotating the module in a counter-clockwise direction), we see several wires running out of it, and a brown wire connected to its bottom by a screw. Well, unscrew that, removing the screw and wire entirely. But save 'em for later.

Next remove that clear plastic covering which is on the bottom (the top, as we are now looking at it, since we've turned it over) from the Touch-Tone module.

Obtain a small, SPST momentary, normally open, pushbutton switch. Along the bottom of the PC board on the Touch-Tone module, there should be 8 soldered connections. In order from left to right (as viewed when the module is turned over, as it should be now), they are: (1) power, (2) row 1, (3) column 3, (4) column 2, (5) column 1, (6) row 4, (7) row 3, (8) row 1. To produce the lowest series tone (Priority, or 1633 Hz + 941 Hz), connect half of the switch to connection (6) from the left. This is probably the one you want, as it allows access to toll-free loop-grounds (see TAP #62).

Now, the crux of it all: the IC. About 1/2 inch above the connections on the bottom of the board, there are a number of connections going to the IC. Most of these connections have PC board traces going to them, except for a few. Go along the row from the right until you come to the first connection that doesn't have a trace going to it. This is the one you want to solder the other half of the switch to. Remember, you're soldering directly to an IC, so use a low-wattage soldering iron, and be quick about it.

Anyway, once the phone is re-assembled (be sure to hook that brown wire back up to the Touch-Tone module) and hooked up to the line, when you press your button, you should get 1633 Hz mixed with whatever row you decided upon. What will they think of next?
A fast and easy way to explain previous alarm articles is that one can also use burners from one to any hardware store as insulation and to hold the doors open. It is easier to handle and faster.

Many people that travel carry a pocket alarm with them. This alarm is a small device that is hung around the door knob, and when someone touches the knob the device contacts the alarm off. This device is very effective in preventing theft, especially in commercial areas where they are only empty boxes. However, if you want to have some fun with a keypad try pushing the buttons. This will bring to your attention the door is closed and the alarm is armed. Now there is a new system that uses a keypad. You can use this as a panic button. This will bring you back to your room and call room service for help and assistance.

Some alarm systems use the keypad like Touch-Tone pads (a registered trade mark of Bell System) to open locks or change codes. Most are three or four digits. To figure out the code wipe the keypad from all fingerprints. After it has been used, it will remove scanner points and all cards will be marked with fingerprints. However, you can do it in the front or back of the alarm. Never use this as a panic button.

On the subject of high security systems, the walls are made of steel and will not be tampered with. If you want to remove the entire wall, you will have to remove the entire wall. The doors are made of steel and will not be tampered with. This will bring to your attention that the system is armed and the alarm is armed. If you want to have some fun with a keypad, try pushing the buttons. This will bring you back to your room and call room service for help and assistance.

Hoffman leading water plant protest
DOYLESTOWN, Pa. — Hoffman, the radical Vietnam veteran, has faced a call to arms that he has not yet answered. In a new crackdown on fare for environmental groups, Hoffman has been charged with conspiracy to obstruct the construction of a new water plant, which is designed to draw water from a federal drug plant. Hoffman also faces charges of fraud, conspiracy to obstruct the construction of the water plant, and failure to appear in court.

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If you want to cut your phone bills, cut out this chart.

Back issues are $7.50 each. Issue #450 is $12.50.

Subscriptions - 10 issues per year.

US Bulk Rate 92c

US First Class 99c

Foreign air mail 50c.

IMPORTANT: Please include your mailing label on each issue.

Readers can also be fooled. On plans one can deepen the vibrations by pressing blocks of rubber around the walls.

If you've been here yesterday, you'd have had this stamp on your letter. It's called "Career."
A WORD ABOUT CANS

For those of you out there that have not yet tried Tapping into a manhole, here is some info that should get you started. To open the manhole you first have to locate the lower latch. To open the lower latch you need a 7/16 terminal wrench. However, an adjustable wrench will do. Unplug the bolt and then open the latch. Now open the right hand door. In the center of the door there is a set of test slips. These test slips are very handy. Attach the test slips to your test net and plug them in.

After you are done with the doors, the latches and key keep away from one for a few months. When the lineman discovers the missing test slips he may report it.

These pictures do not show the built in make that most cases have. For those of you that play in cans regularly it may be worth your while to get a Bell System tent. It is used by linemen when it is very cold or windy. It is a small tent made of heavy canvas and is suspended from the cable, lanyard, or truck. They are left on the cable to prevent such thefts. It is used by linemen when it is very cold or windy. It is a small tent made of heavy canvas and is suspended from the cable, lanyard, or truck. They are left on the cable to prevent such thefts.

MORE FREE ELECTRICITY

For those of you that use cross-connection terminals more free electricity can be yours. For free cables or line-tapping here is how to figure out the terminal number. Each 25 pairs of wires are wrapped with a piece of plastic called a minor binder. These binders have a dual color code - a wire color and a minor color. Every 24 minor binders or 600 cable pairs are wrapped in a major binder. Below is a chart with cable pairs, major and minor binders.

STANDARD COLOR CODE SEQUENCE for CABLE TERMINALS to 3000 PAIR

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
<th>Color</th>
<th>Code</th>
<th>Color</th>
<th>Code</th>
<th>Color</th>
<th>Code</th>
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</thead>
<tbody>
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<td>125</td>
<td>Blue-White</td>
<td>095</td>
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<td>155</td>
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<tr>
<td>Green-Yellow</td>
<td>475</td>
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<td>105</td>
<td>Green-Yellow</td>
<td>205</td>
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<tr>
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<td>Slate-Red</td>
<td>655</td>
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<td>615</td>
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<td>Orange-Black</td>
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<tr>
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<td>205</td>
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<td>345</td>
<td>Slate-Black</td>
<td>385</td>
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<td>575</td>
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<td>Gray-Yellow</td>
<td>725</td>
<td>Gray-Yellow</td>
<td>775</td>
</tr>
</tbody>
</table>

$70,000 bank machine theft

SAN LEANDRO — A man who used a new type of tap hole to break into a bank in San Leandro was caught by police after running the machine with a bank card covered with glue. The Suspect, 25 year old Michael J. Brown, was arrested and charged with larceny.

The State Attorney General's Office is offering a $70,000 reward for information leading to the arrest and prosecution of the person responsible for the theft of $70,000 from a bank in San Leandro.

The reward is being offered because the suspect is believed to be involved in a series of bank robberies throughout the state. The suspect is believed to be a high school student who has stolen money from the banks.

The suspect is described as a white male, 25 years old, 5'10" tall, weighing 160 pounds, with brown hair and blue eyes. He is believed to be driving a white car with a California license plate.

Anyone with information on the suspect's whereabouts is asked to contact the State Attorney General's Office at 510-224-9300.
"Tell America it is a cringing, backstabbing coward because it cannot, has never tried to, exercise its will without violence.

--- Jumpin' Jack Flash"