

"CIPHERS" cont'd

crack the code. The guess of this writer is that unless the men using the system were very careless, this excellent crypto could not be broken. Because of the way the Vatican version skipped over some files the technique is called a "straddle," and because it indicates both words and letters, it is a code.

In more recent times, a different version of the straddle has been used by Communist secret agents. This version was used as a "cipher" for letters and punctuation only. I call it the "able" straddle in the illustration. Both types were written without spaces between letters.

VATICAN STRADDLE CODE

0123456789

a	i	o			
0	p	e	t	&	
2	r	b	c	d	f
4	g	h	%		
6	l	m	@	n	o
8	q	u	s	u	z

(& = and; % = the; @ = with)

**But It's Not In
The History Books...**

The most flagrant example of industrial espionage in the history of civilization occurred some two centuries ago when George Washington, in need of information to begin industrialization in the United States, sent Paul Revere to England.

Revere was a skilled artisan; more important, he had an incredible memory. After touring factories and mills in the mother country he returned to the states and prepared detailed, scale model drawings of everything he had seen.

Certainly, Revere would never have been allowed near the mills if his photographic recall had been suspected!

THE ABLE STRADDLE

0123456789

a	e	i	n	o	r	s	t			
8	u	b	w	y	c	d	f	g	h	j
9	k	l	m	p	q	v	x	z	.	/

**Listener's log****GOING TO DAYTON?****MONITOR THESE****SCANNER FREQUENCIES!**

contributed by Mike Day

OHIO STATE HIGHWAY PATROL

Ohio has 88 counties, divided into ten districts as follows:

District	Base	Mobile	Inter-System
1	44.94	45.26	42.56
2	44.98	44.82	45.86
3	44.74	44.86	45.14
4	44.98	44.82	45.86
5	44.74	44.86	42.08/45.14
6	44.94	45.26	42.42
7	44.94	45.26	42.42
8	44.98	44.82	45.86
9	44.74	44.86	42.56
10	44.74	44.86	--

OTHER STATEWIDE FREQS OF INTEREST

45.02 Intersystem: Aircraft/radar
45.10 Backup Intersystem: Special operations
154.680 OH State Law Enforcement Emergency Radio Network
154.935 Same as 154.680
155.370 Intercity Network
155.475 Nat'l Police Emergency Channel

DISTRICTS

(By counties)

- #1. Allen, Defiance, Fulton, Hancock, Hardin, Henry, Lucas, Paulding, Putnam, Van Wert, Williams, Woods
- #2. Crawford, Erie, Huron, Marion, Morrow, Ottawa, Richland, Sandusky, Seneca, Wyandot
- #3. Ashland, Holmes, Lorain, Medina, Stark, Summit, Wayne
- #4. Ashtabula, Columbiana, Geauga, Lake, Mahoning, Portage, Trumbull
- #5. Auglaize, Champaign, Clark, Darke, Logan, Mercer, Miami, Montgomery, Preble, Shelby
- #6. Delaware, Fairfield, Franklin, Knox, Licking, Madison, Perry, Pickaway, Union
- #7. Belmont, Carroll, Coshocton, Guernsey, Harrison, Jefferson, Monroe, Morgan, Muskingum, Noble, Tuscarawas, Washington
- #8. Adams, Brown, Butler, Clermont, Clinton, Fayette, Greene, Hamilton, Highland, Warren
- #9. Athens, Gallia, Hocking, Jackson, Lawrence, Meigs, Pike, Ross, Scioto, Vinton

#10. Cuyahoga**DAYTON POLICE DEPARTMENT**

Dayton, Ohio

- 158.730 Channel A
460.375 1st & 2nd districts
460.050 3rd & 5th districts
460.475 Channel 4 (detectives, spec ops)

MONTGOMERY COUNTY SHERIFF

Dayton, Ohio

- 155.415 Channel A
155.670 Channel B
155.565 Channel 5 (detective, spec ops)
154.785 Jail operations

Montgomery County consists of 465 square miles, over 881 miles of roadway, 25 different police agencies, 325 emergency units and LEADS (Law Enforcement Automated Data System).

NORTHWEST NORTH CAROLINA**AND SOUTHWEST VIRGINIA****SCANNER MONITORING**

contributed by Jimmy Howell,
Miller's Creek, NC

- 155.610 Wilkes Co. #1
154.830 Wilkes Co. #2
155.790 N. Wilkesboro PD
155.010 Wilkesboro PD
154.400 Wilkes Co. Fire
45.60 Wilkes Board of Ed
154.845 Ashe Co (Jefferson & W. Jefferson)
155.775 Ashe Co Fire
154.815 Alleghany Co (Sparta)
154.430 Alleghany Co. Fire
155.070 Surry Co.
154.800 Mt. Airy P.D.
155.640 Pilot Mt. P.D.
155.490 Alexander Co. (Taylorsville)

- 154.325 Alexander Co. Fire
155.655 Watauga Co.
155.130 Boone P.D.
155.265 Beech Mt. Ski Patrol
158.850 A.S.U. Campus Police
155.625 Avery Co.
159.165 Virginia H.P.
159.000 Virginia H.P.
158.895 Virginia H.P.
39.56 Hillsville & Independence VA
39.54 Carroll & Grayson Co. VA
158.730 Galax VA P.D.
39.64 Wyth Co. VA
39.40 Smyth Co. VA
39.68 Patrick Co. VA
39.62 Washington Co. VA
39.72 Floyd Co. VA
155.670 Henry Co. VA

NEW MEXICO SCANNER LISTENING

contributed by

Richard Martinex and
Tracy Hooker

ALAMOGORDO

- 155.760 Dept. of Public Safety CH 1
155.430 " , CH 4
155.820 Local Govt.
453.675 Parks/Recreation Street Dept.
155.220 School Bus Co.
48.3000 Electric Co.
48.0200 Gas Co.

- 152.120 Contact-Mobile Phone/Paging
152.240 Contact-Paging
151.715 TV Cable Co.
161.640 KINN radio
161.700 KPSA radio
161.760 KKEE radio
146.850 Amateur Radio-Alamogordo
146.940 " - Alamo Pk.
145.230 " - Benson Ridge
44.8000 NM Game & Fish Dept
151.100 NM Highway Dept
151.130 "
463.100 Hospitals/Ambulance Med 5
453.950 NM Local Govt.
153.875 NM State Parks Dept
155.550 NM State Police-Alamogordo CH 2 mobile-mobile
155.730 "- CH1, mobile-base
155.790 "- CH1, base-mobile
154.920 "-Statewide CH4
155.370 "- Law Enforc. Net
155.160 "- CH3, search & rescue
154.875 "-Alamogordo, Inner City CH

OTERO COUNTY & AREA

- 153.785 Otero Co Sheriff CH1
154.310 State Fire Freq
155.040 Tularosa P.D.
155.115 Cloudcroft P.D.
155.175 " Ski Patrol
166.635 White Sands Nat'l Monument
161.550 Southern Pacific RR
153.725 Otero Co. Elec COOP
155.055 Mescalero Indian Res. Police
155.085 " " Administration
171.750 " " BIA
155.295 Alamogordo Search and Rescue
143.450 MARS repeater
143.950 MARS simplex
148.150 Civil Air Patrol repeater

LINCOLN NATIONAL FOREST

- 169.125 Repeater
415.250 Benson Ridge-Rptr
415.350 Wofford-Rptr
415.550 Weed-Repeater

LINCOLN COUNTY

- 155.310 Sheriff CH 1
154.740 Ruidoso P.D.
155.160 Ruidoso Search & Rescue
463.975 Sierra Blanca Ski Patrol CH 1
463.100 Hospitals/Ambulance Med 5
168.500 B.L.M.
162.550 NOAA weather radio-Buck Mt.
147.330 Amateur Radio-"
155.550 State Police mobile-mobile
155.370 " Law Enforc. Net
154.920 " CH 4
154.875 " Inner City CH
155.655 " mobile-base
155.565 " base-mobile

LAS CRUCES

- 155.190 P.D. CH 1
154.815 P.D. CH 5
154.845 P.D. CH 3
154.400 Fire Dept.
155.550 P.D. CH 6
154.800 P.D. Inner City CH
152.240 Contact-Paging