



C A R M A
Chicago Area Radio Monitoring Association
 12/10/02



Welcome!

Now then... where were we...

Welcome back to the CARMA Newsletter, the official publication of the Chicago Area Radio Monitoring Association. CARMA is an all-volunteer hobbyist club, the largest such organization on the planet! Our primary focus is monitoring public safety communications in and around the greater Chicagoland metropolitan area, though all types of radio monitoring are supported. Members assume all responsibility for their contributions. CARMA fully supports all aspects of law enforcement and public safety.

Contacting us:

On the web at:

<http://www.carmachicago.com>

Our webmaster may be reached at:

Shabec98@yahoo.com

If you have a yahoo groups account (and you should!):

<http://groups.yahoo.com/group/carmachicago/>

All news contributions, flames, wants and warrants go to the editor:

tandkmoran@attbi.com

Who is CARMA?

CARMA has been in operation in one form or another for over 25 years. Our e-mail list, available through the link above, has over 600 subscribers. Our members interests span every type of radio monitoring and many of us work in either public safety or the communications industry. They can provide invaluable insights into radio communications in and around Chicago. It's been our long held belief that the radio spectrum around Chicago is far to complex and variable for any one individual to fully comprehend, it takes a group effort and that's what we are here for. Our other goals are promoting the great hobby of radio listening, the sharing and distribution of timely and accurate related information and improving the public image of the radio monitoring hobby.

CARMA has no formal membership procedures, ID cards, or dues. Anyone wishing to make meaningful contributions, assist our organization or just learn about the hobby is more than welcome to join us.

In addition to this newsletter, our web and e-mail activities, file sharing, tours and other activities, CARMA also holds a formal Saturday meeting and an informal Friday night get together on alternating months throughout the year. Meeting schedules are available on the web site. We strongly encourage beginners to attend a meeting or Friday nighter. There you can exchange information with experts in your field of interest and meet fellow hobbyists from your geographic area.

If you have an article you'd like to see published in this newsletter please send it as an attached file to the editor at the above address. We publish using Microsoft Word 98 in a Mac environment but plain text, .DBF and many other file types can be accommodated. Contact the editor if in doubt. I retain the right to hopelessly mangle your contributions ;-)

Holy COW! A Newsletter?!?!?!? What gives?

Did you ever have an SASE sitting in shoebox in John Arendt's basement? Did you ever write to Ed Sirovy? Did Kim ever leave an inflammatory message on your answering machine because you bounced a five dollar check? If so, you know about the newsletter. If not, for many years we snail-mailed a printed (?) newsletter to our members. With the advent of commonly available e-mail services we eventually migrated to an e-mail list in order to deliver a more timely product and to fully open up the newsletter to all the member's contributions. (Plus, I got tired of licking stamps!).

After the last CARMA meeting, Rich and Joel and I were sitting around a Boston Market restaurant, having finished the mandatory CARMA heart clogging meal. We were discussing how a number of other radio clubs around the country are STILL publishing and mailing printed newsletters. The light bulbs went on over our collective heads. Hey, we thought, we could do better than that. We could start producing a newsletter again, only instead of burning out copy machines in the middle of the night and keeping Ted's mom awake at 4am with stapling machines, we could web publish and e-mail it as an Adobe Acrobat .PDF file! And here we are...

This is very much still in the experimental stages. The biggest problem is that all of the members of the newsletter staff have re-allocated their valuable formerly volunteered time to tasks of lesser priorities (family, spouses, children, careers, faith, etc). At this time none of us can really make a commitment to a regular publishing schedule. We are going to shoot for every other month right now, but newsletter production schedules will vary with the state of contributions and our availability.

The Meeting Schedule for 2003:

Regular Meetings (Phillies Pizza, Willowbrook IL):

February 1	August 2
April 5	October 4
June 7	December 6

Friday Nighters (Woodridge Community Resource Center):

January 3	July 11
March 7	September 12
May 2	November 7

(All dates subject to change - Check the web page for updates)

CARMA Radio Operations:

If you are a licensed Amateur Radio Operator try our radio networks (good amateur radio operating practices always apply):

145.770 (151.4)	CARMA Simplex - Events and Talk-In
146.670 -600 (107.2)	WAFAR Repeater VHF
443.600 +5 (114.8)	WAFAR Repeater UHF

The 145.770 Freq also has in place an informal network of Base/Mobile/HT stations in place in the north and northwest suburbs. If you are in our neck of the woods, come join us there.

The WAFAR system use is brand new. WAFAR has extended a welcome aboard hand to CARMA members. If you find their system works well for you we and you plan on using the system regularly we strongly encourage you to join this fine repeater organization. Learn more at: <http://www.wafar.org/>

Chicago Area Public Safety Summary...

(Traditionally, we start out all major newsletter evolutions with a review of major Chgo area public safety radio systems and networks. This time around will be no different, enjoy! - Editor)

CHICAGO POLICE DEPARTMENT

CITYWIDE RADIO CHANNELS:

#	FREQ	ZONE	USE
1	460.125	(173.8)	MAJOR AUTO ACCIDENT, TRAFFIC, GANGS, PUBLIC HOUSING, CTA
2	460.175	(123.0)	DETECTIVES, CANINE, MOUNTED, DEPUTIES, IAD, VICE, ET'S
3	460.275	(141.3)	WANTED FLASHES, MAINT, FILMS, ADMIN
4	460.325	(192.8)	SCHOOLS, YOUTH, MARINE
5	460.350	(097.4)	SUBWAY COMMUNICATIONS SYSTEM, EMERGENCY OR EVENT SECONDARY
6	460.250	(162.3)	EMERGENCY OR EVENT PRIMARY, ALTERNATE ZONE DISPATCH
7	460.300	(131.8)	COMMAND, PHONE PATCH, PAGERS
8	460.525	(179.9)	CHANNEL "FIVE" SIMPLEX UNIT TO UNIT

ZONE DISPATCH CHANNELS:

ZONE	FREQ	ZONE	DISTRICTS
1	460.475	(107.2)	16TH / 17TH DISTRICTS
2	460.050	(127.3)	19TH / 23RD DISTRICTS
3	460.225	(110.9)	13TH / 14TH DISTRICTS
4	460.150	(114.8)	1ST / 18TH DISTRICTS
5	460.500	(167.9)	2ND / 21ST DISTRICTS
6	460.400	(156.7)	7TH / 8TH DISTRICTS
7	460.075	(146.2)	3RD DISTRICT
8	460.200	(136.5)	4TH / 6TH DISTRICTS
9	460.025	(091.5)	5TH / 22ND DISTRICTS
10	460.100	(151.4)	10TH / 11TH DISTRICTS
11	460.375	(186.2)	20TH / 24TH DISTRICTS
12	460.425	(094.8)	15TH / 25TH DISTRICTS
13	460.450	(103.5)	9TH / 12TH DISTRICTS

SPECIALIZED UNITS:

472.9375	(127.3)	MASS TRANSIT
155.370	(000.0)	POINT AID
155.475	(000.0)	ISPERN RADIOS F1
154.650	(000.0)	ISPERN RADIOS F2
156.000	(000.0)	AID WITH MEG (DEFUNCT?)

PORTABLE DATA TERMINAL TELEMETRY SYSTEM:

865.9375	865.9625	866.1875	866.2125	866.3375	866.5625
866.5875	866.6750	866.8125	867.1000	867.1750	867.5375
867.6375	867.6500	867.7375	867.7625	868.1000	868.2250
868.3000	868.3250	868.3500	868.5750	868.6750	868.7250
868.8000	868.8250				

800 MHZ TACTICAL TRUNKED RADIO SYSTEM:

856.9375	857.9375	858.9375	859.9375	860.9375
855.5875	860.7875	/ 853.2125 - CH1 SIMPLEX		

OLD VHF FREQS - OUT OF SERVICE, MORE OR LESS (?):

These systems are generally out of service, though the radios are probably still used in some capacity for special events)

154.740	Old B Tac F1 simplex (107.2)
154.800	Old B Tac F2 simplex (107.2), old Internal Affairs
154.830	Old Marine Unit Boat to Boat
155.970	Old Mayoral Detail Simplex
158.730	Old A Tac F3 repeater, 155.850 old input (103.5)
158.850	Old A Tac F1 repeater, 159.030 old input (103.5)
158.880	Old A Tac simplex. F2 HBT, SWAT
159.150	Old B Tac F3 simplex (107.2)

CHICAGO FIRE DEPARTMENT:

CH	OUTPUT	INPUT	CTCSS	COMMENTS
F1	154.130	153.950	(156.7)	MAIN - NORTHSIDE DISPATCH
F2	153.770	154.010	(156.7)	ENGLEWOOD - SOUTHSIDE
F3	154.220	154.220	(156.7)	ADMINISTRATIVE SIMPLEX
F4	153.830	153.830	(156.7)	FIREGROUND PRIMARY
F5	154.385	154.385	(156.7)	COMMAND CHANNEL SIMPLEX
F6	154.295	154.295	(156.7)	ALT. FIREGROUND
F7	154.265	154.265	(156.7)	NIFERN / MABAS FIRE AID
F8	154.280	154.280	(156.7)	SOUTH SUBURBAN FIRE AID

F1	119.250	(AM)	OHARE CRASH TRUCKS TO TOWER
F2	121.900	(AM)	OHARE CRASH TRUCKS TO GROUND
F3	121.750	(AM)	OHARE CRASH TRUCKS TO GROUND
F4	132.700	(AM)	OHARE CRASH TRUCKS TO TOWER
F1	121.300	(AM)	MEIGS CRASH TRUCKS TO TOWER
F2	121.800	(AM)	MEIGS CRASH TRUCKS TO GROUND
F1	121.650	(AM)	MIDWAY CRASH TRUCKS TO TOWER

155.025	(000.0)	CHICAGO ESDA / ESMARN
158.895	(203.5)	SHOPS SIMPLEX
460.575	(107.2)	AMERICAN RED CROSS DISASTER SERVICE
464.500	(146.2)	SALVATION ARMY FIRE CANTEEN SERVICE
851.9125	(D703)	BECMA / AID / PHONE PATCH

F1	851.9125	(000.0)	CAD DATA TELEMETRY
F2	851.9375	(000.0)	CAD DATA TELEMETRY
F3	852.8625	(000.0)	CAD DATA TELEMETRY
F4	852.9125	(000.0)	CAD DATA TELEMETRY
F5	852.9375	(000.0)	CAD DATA TELEMETRY

CFD EMS SERVICES:

F1	460.600	(156.7)	EMS NORTH DISPATCH
F2	460.625	(156.7)	EMS SOUTH DISPATCH
F3	462.950	(156.7)	EMS PRI ALTERNATE REPEATER "DATA"
F4	462.975	(156.7)	EMS ALTERNATE REPEATER "COMMAND"
F5	458.025	(203.5)	SPECIAL EVENTS CHANNEL 5 SIMPLEX
F6	458.075	(210.7)	SPECIAL EVENTS CHANNEL 6 SIMPLEX
F7	458.125	(218.1)	SPECIAL EVENTS CHANNEL 7 SIMPLEX
F8	458.175	(225.7)	SPECIAL EVENTS CHANNEL 8 SIMPLEX

CITY ALS TRAUMA NETWORK MEDICAL REPEATERS:

463.000	(156.7)	MED1	IL MASONIC HOSPITAL
463.025	(146.2)	MED2	STROGER COOK COUNTY HOSP
463.025	(156.7)	MED2	RESSURECTION HOSPITAL
463.025	(173.8)	MED2	MOUNT SINAI HOSPITAL
463.050	(156.7)	MED2	RESSURECTION HOSPITAL
463.050	(173.8)	MED3	MICHAEL REESE HOSPITAL
463.075	(156.7)	MED4	SAINT MARYS HOSPITA;
463.100	(146.2)	MED5	NORTHWESTERN MEMORIAL
463.100	(156.7)	MED5	RESSURECTION HOSPITAL
463.125	(146.2)	MED6	NORTHWESTERN MEMORIAL
463.125	(173.8)	MED6	UNIV OF CHGO MED CENTER
463.150	(146.2)	MED7	STOGER COOK COUNTY HOSP
463.150	(156.7)	MED7	IL MASONIC HOSPITAL
463.150	(173.8)	MED7	UNIV OF CHGO MED CENTER

DUPLEX MED CHANNELS - AMBULANCE TO HOSPITAL:

463.000 / 468.000	MED1	463.125 / 468.125	MED6
463.025 / 468.025	MED2	463.150 / 468.150	MED7
463.050 / 468.050	MED3	463.175 / 468.175	MED8
463.075 / 468.075	MED4	462.950 / 467.950	MED9
463.100 / 468.100	MED5	462.975 / 468.975	MED10

463 CHANNELS ARE HOPITALS
468 CHANNELS ARE AMBULANCES

DEPT OF TRANSPORTATION / STREETS AND SANITATION:

453.100 (107.2) Fleet #7 Traffic Signals, Hydrants, Wastebaskets, Sign Shops, Ward Officers
 453.500 Pagers
 453.550 (107.2) Operations South - Sanitation, Snow
 453.625 (D612) Active with 2 or 3 groups of users
 453.650 (107.2) Fleet #1 Operations North - Sanitation, Skyway, Graffiti Removal, Snow
 453.675 (107.2) Streets and Curbs
 453.725 (107.2) Bureau of Forestry
 453.750 (107.2) Repeater still present but not active, no users
 453.775 (107.2) Police Towing & Parking Enforcement, Booters, Sidewalks & Curbs
 453.825 (107.2) Health and Human Services, Animal Control
 453.975 (107.2) Bureau of Electricity
 853.2125 (107.2) Radio Techs
 158.250 (D412) Water Department South
 158.880 (D411) Water Department North
 453.050 (127.3) McCormick Place ops

CHGO TRANSIT AUTHORITY:

44.54 Remote Controllers for Rail Heaters
 44.60 Remote Controllers for Rail Heaters
 153.740 Bus Signpost Transmitters (being phased out?)
 452.8375 Division & Halsted Shops
 453.225 Bus Citywide Calling and CTA Security
 453.275 Voice Pagers
 453.325 Voice Pagers
 453.375 South Bus Garages
 453.3875 Madison & Ridgeway Shops
 453.425 Southwest Bus Garages
 453.4375 Mobiles, possible shop use
 453.4625 Mobiles, possible shop use
 453.475 West Bus Garages
 453.525 Northwest Bus Garages
 453.575 North Bus Garages
 453.8375 Skokie Yards
 462.725 Wells Fargo Security
 470.5375 North Supervisors
 470.6375 South Supervisors
 470.9875 Rail Control & Emergency
 471.0375 Blue Line EI - Congress / Douglas / O'Hare
 471.0625 Green Line EI - Lake Street / Englewood / Jackson Park
 Orange Line EI - Midway Airport
 471.0875 Purple Line EI - Evanston
 Brown Line EI - Ravenswood
 Yellow Line EI - Skokie
 471.1125 Red Line EI - Howard / Dan Ryan

NOTABLE CITY ODDS AND ENDS DEPARTMENT:

151.190 (127.3) Park District North Repeater
 151.190 (114.8) Lincoln Park Zoo Repeater
 151.295 (173.8) Park District Simplex use
 151.295 (127.3) Park District South Repeater
 151.295 (114.8) Lincoln Park Zoo Repeater
 151.825 (D365) Lincoln Park Zoo Cannon Drive Parking Lot
 155.055 (000.0) Chgo City OEM IREACH Base
 156.450 (000.0) Marine Ch09 Lake Michigan Calling Freq
 156.600 (000.0) Marine Ch12 City Bridge Operations
 156.650 (000.0) Marine Ch13 Chgo Locks Calling Channel
 156.700 (000.0) Marine Ch14 Chgo Locks Working Channel
 452.025 (225.7) Park District Lifeguard Service Supervisors
 453.050 (107.2) Metro Fair & Expo Authority Security
 465.525 (000.0) Taste of Chicago EMS Ops
 467.950 (97.4) Taste of Chicago EMS Ops

EOC TECHS TRUNKED SYSTEM: (FORMER CHA)

866.050 866.650 867.350 867.675 868.050 (Talk Group #32)

MISC AREA WIDE EMER & COMMON CHANNEL NETWORKS:

27.065 CB CHANNEL 9 EMERGENCY (AM)
 27.185 CB CHANNEL 19 TRUCKING (AM)
 37.94 D-CERN (DUPAGE COUNTY)
 39.46 LOWBAND POINT TO POINT
 39.50 DOWNSTATE SHERIFF'S NET
 42.50 ISP LF2 WEATHER / ALTERNATE / CAR TO CAR
 45.36 LESIRN ESDA
 121.500 AERO EMERGENCY GUARD CHANNEL
 123.025 CHGO HELICOPTER CTAF / UNICOM
 146.520 AMATEUR RADIO CALLING CHANNEL
 150.790 MABAS GREEN FIREGROUND ALTERNATE
 151.250 IL SECTY STATE / DNR STATEWIDE
 151.280 IL SECTY STATE / DNR STATEWIDE
 151.445 IL SECTY STATE / DNR STATEWIDE
 153.755 OFFICE OF IL STATE FIRE MARSHAL
 153.830 MABAS RED FIREGROUND PRIMARY
 154.265 MABAS / IFERN FIRE MUTUAL AID
 154.280 MABAS WHITE FIREGROUND ALTERNATE
 154.295 MABAS BLUE FIREGROUND ALTERNATE
 154.650 DCI LOCAL / ISP MISC USES
 154.905 IL STATE POLICE DCI POSTS
 154.950 IL STATE POLICE DCI CAR TO CAR
 155.025 ESMARN ESDA IEMA
 155.055 IREACH
 155.280 MERCI280 HOSPITAL DISASTER NET
 155.340 MERCI340 HOSPITAL - AMBULANCE SOUTH
 155.370 POINT TO POINT
 155.400 MERCI400 HOSPITAL - AMBULANCE NORTH
 155.460 ISP HF4 ALTERNATE & CAR TO CAR STATEWIDE
 155.475 ISPERN POLICE EMERGENCY NETWORK
 155.865 MEPPS (MICHIGAN)
 156.000 DCI LOCAL / MEG COMMON
 161.205 RAIL POLICE COMMON (SELDOM USED)
 453.875 STATE MISC AGENCY REPEATERS STATEWIDE
 453.900 STATE UNIV CAMPUS POLICE STATEWIDE
 462.675 REACT MOTORIST ASSIST COMMON (141.3)
 470.9625 APERN NORTH SUBURBAN POLICE EMER NET
 866.0125 NIPSPAC CALLING CHANNEL (156.7) (POLICE OPS)
 866.5125 NIPSPAC TAC-1 (156.7) (POLICE OPS)
 867.0125 NIPSPAC TAC-2 (156.7) (POLICE OPS)
 867.5125 NIPSPAC TAC-3 (156.7) (POLICE OPS)
 868.0125 NIPSPAC TAC-4 (156.7) (POLICE OPS)

ILLINOIS STATE POLICE DISTRICT CHICAGO:

(800 Mhz GE-EDACS Trunked System)

LCN#	NORTH GROUP	SOUTH GROUP
LCN1	866.8875	866.4125
LCN2	866.4625	866.4375
LCN3	867.3875	866.9375
LCN4	866.9625	867.4125
LCN5	867.4625	867.9375
LCN6	867.8875	867.9125
LCN7	868.3875	868.4375
LCN8	868.4625	868.4125
LCN9	868.8875	868.9375
LCN10	868.9625	868.9125

154.935 Old VHF / Alternate
 155.460 Links to other districts
 155.370 Point links to other agencies
 155.055 IREACH

IL STATE POLICE DISTRICT 15 TOLLWAYS:

Police: 854.9875 855.2375 855.4875 855.7375 855.9625
 Maint: 855.9875 856.2375 856.4875 856.7375 856.9875
 Aux. Chs: 866.1625 866.7125 867.0750 868.5125
 VHF Tac: 155.9250 154.9500 154.6650 154.6500 155.445

Special Report by BOBF322@AOL.COM

ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT):

IDOT District 1 which is responsible for state roads in Cook, DuPage, Lake, McHenry, Will, and Kane counties. The maintenance freqs are more or less broken down by counties.

IDOT District 1 freqs:

- F1) 150.995 maint for Cook & DuPage
- F2) 151.070 maint for S Cook & Will
- F3) 151.100 maint for N Cook, Lake & McHenry
- F4) 453.700 ETP emergency traffic patrol
- F5) 453.250 data for Kennedy reversible lanes
- F6) 453.150 Cook Co sign shops & misc. units
- F7) 453.300 Cook except I57, Bishop Ford & 394
- F8) 453.400 Kane maint & I290/IL53, Elgin/O'Hare
- F9) 453.200 backup repeater also portables

VHF PL's are 131.8, except F3 (D023) UHF PL's are 151.4

Notes:

- F1 & F8 are hard wired patched at the comparator so they are always patched together.
- F5 is only used for data for the Kennedy reversible lane system.
- All freqs can be patched with any other freq as needed (depending upon conditions and ComCenter staffing) at the operator consoles.
- ETP (Emergency Traffic Patrol) also known as "Minutemen" patrol the core expressways (Kennedy, Edens, Dan Ryan, Stevenson, I-57 & the Bishop Ford), to assist motorists and clear accidents from the roadways to keep traffic flowing as quickly as possible.

ETP patrol assignments:

- 1 Lake Ave On the Edens to Addison on the Kennedy
- 2 Mannheim to North on the Kennedy
- 3 Lawrence to Polk on the Dan Ryan & the Ohio feeder
- 4 North Ave to 35th on the Dan Ryan
- 5 Lake St to 55th (local lanes)
- 6 Canalport to 71st (express lanes & China town feeder)
- 7 Ryan @ 51st to I 57 @ 127th
- 8 Ryan @ 51st to Bishop Ford @ 147th
- 9 IKE Wells to Laramie
- 10 IKE Cicero to Mannheim
- 11 I 55 lake shore drive to Cicero
- 12 I 55 Damen to first Ave.

Most Maintenance units have either a VHF or UHF Maxtrac radio (depending upon their primary freq.) and foreman may have both radios to facilitate communications with adjacent yards. ETP trucks have a UHF Maxtrac (F4 primary freq.) and a 800 MHz EDACS radio to coordinate with IL State Police District Chicago, as well as a lowband radio with the ISP statewide 42.50 MHz freq.

The ETP foreman have these radios as well as a VHF Maxtrac with all maint freqs as well as a Foreman only freq. of 154.650 and 154.220 (Chicago Fire F3 admin. Coordination with CFD is handled thru a patch repeater on the north side of Chicago). This repeater links 154.220 (156.7 PL simplex) (which all CFD units have) to a talk group on the ISP District Chicago EDACS trunked system.

The IDOT system supports MDC1200 selective signaling (which is a quick data burst which can be described as a "squashed duck" sound) to blow the horn on the truck if the driver is working outside. If you listen to F3 (151.100) without the DPL tone you will sometimes hear a different data signal especially at dawn & dusk, this data is used to turn on & off the expressway overhead lighting when daylight falls below a minimum point as determined by light sensors in the District.

In the rest of the state, IDOT comms are on lowband with each district being assigned 2 freqs. The base freq. F1 is used to contact the district HQ and the mobile F2 freq. is used for truck to truck as well as truck to the local maint yard. Foreman also have 42.50 to contact ISP statewide.

Station 1 is the main dispatch center in Springfield. Station 1 and District 1 in Schaumburg are manned 24 hours a day, 7 days a week, the other Districts are not during off hours. Station 1 has the ability to access any IDOT freq. in the state via phone lines and serves as emergency dispatch when a District office is closed. Station 1 also is responsible for updating the road condition hotline which is updated with info from the local Districts every 2 hours during winter storms (800-452-IDOT) District 1 has a local number for information of 312-DOT-INFO.

IDOT DOWNSTATE LOW BAND FREQUENCY PLAN:

Base	Mobile	Tone	HQ / District #
47.34	47.14	123.0	Dixon / District 2
47.02	47.10	123.0	Ottawa / District 3
47.06	47.18	123.0	Peoria / District 4
47.34	47.14	110.9	Paris / District 5
47.38	47.30	110.9	Springfield / District 6
47.06	47.18	110.9	Effingham / District 7
47.02	47.10	110.9	Fairview Hts / District 8
47.38	47.30	123.0	Carbondale / District 9

When units call in road conditions they use this format:

- Code 1 free of snow & ice
- Code 2 scattered snow & ice
- Code 3 25% snow or ice covered
- Code 4 50% snow or ice covered
- Code 5 75% snow or ice covered
- Code 6 100% snow or ice covered

New notes ETP units are having there low band radios removed and replaced with VHF high band radios with IDOT VHF freqs as well as NIFERN 154.265 ISP hf4 155.46 CFD admin 154.22 IREACH 155.055 .

COOK COUNTY SHERIFF'S TRUNKED SYSTEM:

Already in use at the courts/jail complex at 26th and California in Chicago, this system is being expanded county-wide for patrol use. I suspect we'll end up with a mix of digital and analog traffic. Site licensing has seen a great deal of modifications, and the exact freqs and system config is not yet finalized. Freqs to watch include:

866.1000 Reported by Trunker	867.2250 WPEV426 All 3 Sites
866.1375 WPEV426 All 3 Sites	<u>867.2875</u> Active
866.2000 Applied for Site 3	867.3375 Applied for Site 3
866.2250 Applied for Site 5	867.6125 Reported by Trunker
<u>866.2625</u> Active	<u>867.7125</u> WPEV426 Active Chgo
866.2875 Applied for Site 4	<u>867.8000</u> Active Site 4
866.3125 WPEV426 All 3 Sites	867.8375 Reported by Trunker
866.5000 Reported by Trunker	868.0625 Applied for Site 6
866.5375 WPEV426 Chgo	868.1250 WPEV426 All 3 Sites
<u>866.7250</u> Active	868.5000 WPEV426 Chgo
866.7500 Applied for Site 1	<u>868.5250</u> Active WPEV426
866.7875 WPEV426 Chgo	<u>868.6125</u> Active Site 4
867.0500 Reported by Trunker	868.6875 Applied for Site 6
867.0875 Applied for Site 2	868.7375 Applied for Site 2
<u>867.1375</u> Active	868.7750 Reported by Trunker
867.1625 Applied for Site 1	868.8375 WPEV426 Chgo
867.1875 Applied for Site 5	

Sources: Listeners, Licenses, Applications, Trunker Software

RADIO SHACK PRO-95 SURVEY:

Thanks to a sale of price of \$150 quite a few members are now using this radio. It's a 1000 channel (10 banks of 100) trunk tracker and a fairly new model from Radio Shack. Freq coverage: 25-54, 108-136.9875, 137-174, 216-225, 406-512, 806-960 (less cellular) & 1240-1300 Mhz. Based on e-mail list reports, chatter at the meeting and me playing with Joel's PRO-95 we'll offer this up-

PRO-95's:

- 4-AA Cell Battery pack instead of internal pack
- Internal charging circuit handles Lith-Ion or Nickel-MetalH cells
- Big channel capacity, but too few banks
- Good RF performance, little intermod or images, works downtown!
- Good overall trunking performance
- Alpha-Tags for channels, banks and talk group ID's / sub-banks
- Good display, easy to read dot matrix LCD
- Healthy audio, loud and clear (unlimited earphone jack???)
- Fairy fast scan (60?/sec) and search (75?/sec) (not verified yet)
- Good ergonomics, nice keys and case design, easy to hold
- Good service search features (channel numbers, etc), even C.B.
- Search and store feature (Hmmm - wonder if it overwrites? - Ed.)
- 6.25 Khz and 7.5 Khz step sizes available, plus others
- PC Programmable & cloning w/PRO-95's, PRO-93's & PRO-2053's
- Per-Channel or global attenuator (20Db) and delay (2 secs)
- Control Channel trunking for Motorola systems w/ID list lookup
- Weather Alert with alert type alpha display
- Motorola Type 1 capable with programmable fleet maps
- Interesting sub-banks for some service searches, but see "cons"
- Default delay-On for newly entered freqs in memory channels
- Lockout from search with review, scan and TG ID lockout review
- Selectable AM or FM modes on any freq range
- 3, 5, 10 or 20 second adjustable display backlight timer, or "on"
- Keypad beep on/off control
- Adjustable display contrast
- Manual trunking mode displays other active talk groups (cool!)
- Ability to combine conventional freqs w/trunked systems in a bank
- Duplicate freq entry alerting in trunked modes (conventional too?)
- Rounds off incorrectly entered talk group ID's to nearest value
- 100 talk group ID's per bank (max 1000), sub-banks of 20's w/tags
- Supports Motorola UHF trunking (406-512 Mhz)
- Adjustable talk group ID scan delay: .5,1,1.5, 2,2.5, 3, 3.5 or 4 secs
- Well written manual (read it and learn!)

CON-95's:

- No LTR trunking
- No CTCSS/DPL receive
- No lockout of talk groups while in open mode (trunk search)
- Awkward system for programming alpha-tags, tedious key presses
- Somewhat awkward operating system, uses function keys
- Stock antenna somewhat poor on 800/900 Mhz
- Somewhat poor VHF aero performance, birdie on 126.900
- No UHF Military Air Band coverage (can be modified with software but sensitivity will be very limited in most areas of 225-400 mhz)
- 9V DC power/charging jack instead of 12 volts, no wall wart in box.
- No VHF trunking
- Channel numbering starts with "000" instead of "001"
- Police/Fire service search includes entire T-Band (470-512)
- Improper 60 Khz steps in some VHF service search sub-bands
- Only one set of user programmable search limits
- Max of 50 channel search lockout per search bank
- Priority does not function during trunking activity or trunking delay
- Only one trunked system per bank (max 10 systems per radio)

Owners manual available for download at:
[HTTP://SUPPORT.RADIOSHACK.COM/SUPPORT_ELECTRONICS/DOC69/69487.PDF](http://support.radioshack.com/support_electronics/doc69/69487.pdf)

PRO-95 Free Software available for download at:
[HTTP://WWW.STARRSOFT.COM/FREWARE/WIN95/DEFAULT.ASP](http://www.starrsoft.com/freeware/win95/default.asp)

COUNTY MOUNTIES: Support your local county sheriff's police:

- Cook County** (may eventually to migrate to 800 Mhz)
- | | | | |
|---------|--------------------------|---------|-------------------|
| Band 1 | 155.595 Out / 153.965 In | (107.2) | North Patrol |
| Band 2 | 155.535 Out / 153.995 In | (107.2) | South Patrol |
| Band 3 | 154.995 Out / 153.785 In | (107.2) | Warrants |
| Band 4 | 155.475 Simplex | (000.0) | ISPERN |
| Band 5 | 155.640 Out / 153.935 In | (107.2) | Aux. Repeater |
| Band 6 | 153.905 Simplex | (107.2) | Car to Car |
| Band 7 | 159.090 Out / | (Misc) | States Attorney |
| Band 8 | 155.055 Simplex | (000.0) | IREACH |
| Band 9 | 153.845 Simplex | (107.2) | Tac |
| Band 10 | 153.845 Simplex | (173.8) | Courts / Bldgs |
| Band 11 | 154.025 Simplex | (173.8) | Tac |
| Band 12 | 153.815 Simplex | (107.2) | Tac |
| Band 13 | 155.025 Simplex | (000.0) | ESMARN |
| Band 14 | 158.865 Simplex | (107.2) | Tac |
| Band 15 | 158.925 Simplex | | SRT2 / Wires |
| Band 16 | 155.985 Simplex | | SRT1 |
| Highway | 453.950 Out / 458.950 In | (127.3) | Districts 1, 3, 5 |
| Highway | 453.750 Out / 453.750 In | (127.3) | Districts 2 & 4 |

- Lake County** (GE-EDACS 800 Mhz Trunked System)
- | | | | |
|------|--------------------------|---------|------------------|
| LCN1 | - 866.2500 | LCN5 | - 867.1250 |
| LCN2 | - 866.3000 | LCN6 | - 867.7250 |
| LCN3 | - 866.6375 | LCN7 | - 867.8125 |
| LCN4 | - 866.6875 | LCN8 | - 867.5625 |
| | 156.210 Out / 158.970 In | (127.3) | Aux VHF Repeater |

- Dupage County**
- | | | |
|----|------------------|---|
| F1 | 852.6625 (D263) | Sheriff's Dispatch Repeater / F5 Simplex |
| F2 | 854.9625 (D263) | Sheriff's Alternate Repeater / F6 Simplex |
| F3 | 856.2125 | Court Repeater / F7 SWAT Simplex |
| F4 | 860.2375 | Jail Repeater / F8 SWAT Simplex |
| | 158.7900 (131.8) | Administrative VHF |
| | 158.9100 (131.8) | County Services |
| | 154.7700 | Possible Sheriff's Mobile Extenders |
| | 155.4300 | DU-MEG Simplex |
| | 156.1500 | DU-MEG Simplex |
| | 154.965 (131.8) | Dupage OEM Primary |
| | 37.96 | County Highway Net |

- McHenry County**
- | | | |
|--------------------------|---------|---------------------|
| 155.790 Out / 153.800 In | (146.2) | Sheriff's Dispatch |
| 159.210 Simplex | (146.2) | Sheriff's Alternate |
| 155.520 Out / 154.650 In | (146.2) | Jail Repeater |
| 151.340 Out / 159.465 In | (146.2) | County Conservation |

- Kane County**
- | | | |
|----------------------------|---------------------------|--------------------|
| 159.150 Out / 154.830 In | (107.2) | Sheriff's Dispatch |
| Tac: | 158.925, 156.000, 156.150 | |
| 156.1725 Out / 154.6575 In | (D072) | OEM F1 |
| 158.7450 Out / 155.8650 In | (103.5) | OEM F2 |

- Kendall County**
- | | |
|-----------------|-----------------------------|
| 460.525 (127.3) | Ken-Comm Dispatch |
| 460.375 (127.3) | Ken-Comm Alternate |
| 453.150 (127.3) | County Jails and Courts |
| 460.575 (127.3) | Ken-Comm Fire/EMS Primary |
| 462.975 (127.3) | Ken-Comm Fire/EMS Alternate |
| 453.100 (127.3) | Kendall County Highway |

- Will County** (800 Mhz GE-EDACS Trunked System)
- | | | | |
|------|------------|------|------------|
| LCN1 | - 866.2750 | LCN4 | - 867.7000 |
| LCN2 | - 866.7625 | LCN5 | - 868.2500 |
| LCN3 | - 867.1500 | LCN6 | - 868.6000 |

Also - IREACH (155.055) Is heavily used throughout rural Illinois

CARMA - The Chicago Area Radio Monitoring Association Newsletter - 12/10/02

T-BAND PUBLIC SAFETY SUMMARY: (FREQUENCY / CTCSS TONE / USERS) (PUBLIC WORKS & CTA EXCLUDED) (YAHOO DATABASE INFO)

FREQ	TONE	USER
470.3125	097.4	NIPSCOM: WAUKEGAN & PARK CITY
470.3125	146.2	DUCOMM WEST5: WARRENVILLE, WEST CHICAGO & WINFIELD
470.3375	192.8	NORCOM TAC5: NORTH SUBURBAN ALTERNATE
470.3375	141.3	EVERGREEN PARK PD TAC
470.3875	146.2	DUCOMM EAST1: LOMBARD & VILLA PARK
470.4125	192.8	BELLWOOD, BERKELEY, BROADVIEW, HILLSIDE, MAYWOOD, & WESTCHESTER
470.4375	203.5	CHICAGO HEIGHTS, FORD HEIGHTS, SOUTH CHICAGO HEIGHTS, SAUK VILLAGE & STEGER
470.4625	141.3	ALSIP, EVERGREEN PARK, HOMETOWN, MERIONETTE PARK & OAK LAWN
470.4625	097.4	NIPSCOM: NORTH CHICAGO
470.4875	146.2	PARK RIDGE PD
470.4875	127.3	TRITON COLLEGE PD
470.4875	146.2	BERWYN PD TAC
470.5125	097.4	NIPSCOM: ZION & WINTHROP HARBOR
470.5125	146.2	BURR RIDGE, DARIEN, LISLE & DOWNERS GROVE
470.5625	141.3	EVANSTON PD PRIMARY
470.5625	203.5	CRETE PD DISPATCH
470.5875	097.4	ANTIOCH, GRAYSLAKE, FOX LAKE, LINDENHURST & LAKE VILLA DISPATCH
470.5875	156.7	BEDFORD PARK, BRIDGEVIEW, BURBANK, HODGKINS, JUSTICE, SUMMIT, WILLOW SPRINGS & HICKORY HILLS
470.6125		MARKHAM PD TAC
470.6125	127.3	MATTESON PD TAC
470.6125	173.8	NORTHBROOK PD TAC
470.6125	162.2	TRICOM PD CH 3/4: SAINT CHARLES, GENEVA & BATAVIA
470.6625	192.8	NORCOM NET 24B: WINNETKA, WILMETTE, KENILWORTH, NORTHFIELD & GLENCOE
470.6625	146.2	DOWNERS GROVE PD TAC
470.6625	186.2	SAULK VILLAGE PD ALTERNATE
470.6875	146.2	DUCOMM WEST1: CAROL STREAM, HANOVER PARK & BARTLETT
470.7125	192.8	NORCOM/DES PLAINES PARK RIDGE CENTER - DISPATCH FOR: NILES & MORTON GROVE
470.7125	141.3	OAK LAWN PD TAC
470.7375	173.8	BLUE ISLAND, DIXMOOR, CALUMET PARK, CRESTWOOD, MIDLOTHIAN, POSEN & ROBBINS
470.7375	203.5	LYNWOOD PD
470.7375	097.4	HAWTHORN WOODS, S BARRINGTON AREA DEPTS, LAKE WAUCONDA, LAKE ZURICH & LAKE KILDEER
470.7625	192.8	NORCOM: GLENVIEW & NORTHBROOK
470.7625	127.3	MATTESON & OLYMPIA FIELDS
470.7625	141.3	OAK LAWN PD CH3
470.7875	192.8	NORCOM: SKOKIE & LINCOLNWOOD
470.7875	141.3	OAK LAWN PD TAC
470.8125	114.8	DOLTON, HAZELCREST, MARKHAM, PHOENIX, RIVERDALE & SOUTH HOLLAND
470.8125	097.4	BARRINGTON, INVERNESS & SOUTH BARRINGTON
470.8375	192.8	NORCOM TAC6: NORTH SUBURBAN ALTERNATE
470.8375	141.3	ALSIP PD TAC
470.8625	114.8	SOUTHWEST CENTRAL DISPATCH FOR: PALOS AREA DEPTS, CHICAGO RIDGE & WORTH
470.8625	097.4	LIBERTYVILLE, VERNON HILLS, MUNDELEIN, LINCOLNSHIRE & RIVERWOODS
470.8875	146.2	DUCOMM EAST3: ELMHURST & OAKBROOK TERRACE
470.9125	097.4	NIPSCOM AREAWIDE NORTHERN LAKE COUNTY (WAUKEGAN, PARK CITY, ETC.)
470.9125	146.2	DOWNERS GROVE, DARIEN, BURR RIDGE & LISLE
470.9125	114.8	HOMETOWN PD TAC
470.9375	203.5	THORNTON, HOMEWOOD, HAZELCREST, GLENWOOD, FLOSSMOOR & COUNTRY CLUB HILLS
470.9375	162.2	TRICOM PD CH 1/2 SAINTCHARLES, GENEVA & BATAVIA
470.9375	097.4	VERNON HILLS PD SPECIAL EVENTS
470.9625	192.8	NORCOM CH 1/2 APERN - AREAWIDE POLICE EMERGENCY RADIO NETWORK
471.0125	146.2	DUCOMM F5: AREAWIDE DUPAGE COUNTY
471.0625	146.2	CAROL STREAM PD TAC
471.1375	146.2	DUCOMM WEST3: GLEN ELLYN & WHEATON
471.1625	203.5	CHICAGO HEIGHTS, COUNTRY CLUB HILLS, HAZELCREST, HOMEWOOD, LYNWOOD, THORNTON & FLOSSMOOR TAC
471.1625	127.3	QUADCOM PD: CARPENTERSVILLE, EAST DUNDEE, SLEEPY HOLLOW, WEST DUNDEE & SOUTH BARRINGTON
471.1875	146.2	ROSELLE & ITASCA DISPATCH / BENSENVILLE ALTERNATE
471.1875	141.3	HOMETOWN PD TAC
471.2125	146.2	BENSENVILLE & WOODDALE DISPATCH
471.2125		SUMMIT PD TAC
471.2375	146.2	FRANKLIN PARK, MELROSE PARK, NORTHLAKE & STONE PARK DISPATCH
471.2375	192.8	BELLWOOD PD TAC
471.2625	146.2	BERWYN & FRANKLIN PARK
471.2875	146.2	ELMWOOD PARK, HARWOOD HEIGHTS, NORRIDGE, RIVER GROVE & SCHILLER PARK DISPATCH
472.2125	146.2	BERWYN PD TAC SIGNAL 2
472.4875	D023	EVANSTON PD CH3/4 ALTERNATE
472.5125	131.8	DUPAGE OEM
472.8125	146.2	LOMBARD & ELMHURST TAC
472.8875	146.2	DOWNERS GROVE PD F6/F7 TAC
472.9375	127.3	CPD MASS TRANSIT UNITS
476.4125	146.2	DUCOMM F9: TACTICAL
476.4375	97.4	HAWTHORN WOODS & LAKE ZURICH PD
476.7125	146.2	LOMBARD PD TAC
476.7375	114.8	SOUTHWEST CENTRAL DISPATCH: WILLOWBROOK, LEMONT & CLARENDON HILLS
476.7625	146.2	CICERO PD
477.3625	110.9	SOUTH ELGIN PD
477.3875		LAKE ZURICH PD
477.4375	D431	NORTHLAKE PD DISPATCH

(UPDATES, DELETIONS, IMPROVEMENTS AND CORRECTIONS ALWAYS NEEDED - EDITOR)

GOING SHOPPING? (I feel your pain - Editor)

Chicago Ridge Mall: 452.475 Security 464.475 Operations
Eddie Bauer (Deer Pk Mall-Kildeer): 151.6250
Evergreen Plaza: 464.9750 (127.3)
Fox Valley Mall: 464.6750 (94.8)
Golf Mill Mall Security (Niles, IL): 462.1125 (D025)
Great Indoors, Downers Grove 467.900 (85.4)

Gurnee Mills:
 151.7750 (D612) Rinkside Sports
 154.5700 (Misc) Several Mall Shops
 154.6000 (Misc) Several Mall Shops
 461.2250 (d754) Bass Pro Shop Security F1
 461.3250 (d734) Bass Pro Shop Security F2
 461.4000 (d731) Bass pro Shop F3
 461.5000 Bass Pro Shop Licensed Here
 461.5500 (d754) Unknown User - F4
 462.3250 (D734/731) Mall Maint F1
 462.4000 (D731) Mall Maint F2
 462.4000 (d754) Mall Security Tac 1
 462.5500 (D754) Mall Security F2
 463.4000 (D073) Rain Forest Café F1
 464.4750 Mall Housekeeping
 464.5000 (D466) Bass Pro Shop F1
 464.5125 (D073) Rainforest Café F2
 468.9375 (D703) Bass Pro Shop Security
 469.5000 (D606) Bass pro Shop F4
 469.8875 (D703) Bass pro Shop Security

Harlem-Irving Security: 464.5250 (97.4) (Norridge) 464.3750 (97.4)
Lincoln Mall, Matteson: 464.9750 (114.8)
Lincolnwood Town Center: 461.1125
Louis Joliet Mall: 464.3250
Marshall Field's (Downtown)
 464.9750 Security (107.2)
 461.2000 Maintenance
 Reported: 461.4125 461.4625
Menards: 154.570 (179.9) Possible arewide frequency
North Riverside Mall: 464.7750 (100.0) and 463.8375

Oak Brook Terrace:
 151.6250 Pottery Barn at Oakbrook Center (97.4)
 151.9550 Old Navy (22nd & Midwest Rds.)
 154.5150 Unidentified Mall Shop
 154.5400 Unidentified Mall Shop
 154.5700 Hyatt Oak Brook (Security?)(82.5?)
 154.5700 Unidentified Mall Shop
 154.5700 Pottery Barn at Oakbrook Center (97.4)
 154.6000 Unidentified Mall Shop
 154.6000 Costco Oakbrook (67.0)
 154.6250 Sears (paging)
 461.1125 Marshall Fields
 461.4125 Marshall Fields
 461.4625 Marshall Fields
 461.9500 Marshall Fields Express
 463.4375 Nordstrom
 463.5625 Nordstrom
 463.8375 Nordstrom (security)
 464.0875 Nordstrom
 464.2625 Nordstrom
 464.3375 Sears?
 464.3750 Nordstrom(?)
 464.5000 Unidentified Mall Shop
 464.5500 Crate & Barrel
 464.5750 Nieman Marcus?
 464.5750 Paging-unknown: 'G-Bldg'; 'Pro-Bldg'
 464.6125 Nordstrom (receiving?)
 464.7250 Ref: Conference Center, Tower
 464.9250 Marshall Fields
 466.1125 Marshall Fields
 467.8750 Sears (118.8?)
 467.8750 Parking
 467.9250 Sears (118.8?)
 468.2750 unk-Heard inside Marshall Fields
 468.4125 Eddie Bauer (?)
 469.5750 unk-Heard inside Marshall Fields (both sides)
 469.8750 Oakbrook Marriott (housemen, banquet)
 469.9250 Oakbrook Marriott (security ops)

Old Orchard Mall (Skokie): 462.7625 Security
 463.9750 (103.5) Unknown Store Security
Orland Square Mall: 464.9250 (79.7)

Randhurst Mall:
 460.8375 (103.5) Simplex F5
 461.1375 (103.5) Interconnect - F3
 461.3000 (103.5) Simplex F6
 463.6000 (D662) Security - F1/ F2 Simplex
 463.7625 Licensed for Mall Ops Simplex
 464.0625 Steak 'N Shake Drive up, w/469.0625
 464.3750 (103.5) Old Repeater - F1
 465.8375 (103.5) Simplex F4
 469.3750 Licensed for Mall Ops Simplex
 469.5750 Store Simplex
 469.9500 (d071) Simplex F7
River Oaks Mall: 451.1250, 451.3125, 464.8750

Stratford Square Mall:
 464.3750 (d413) Security
 464.8750 (167.9) Maint. (I also show 146.2)
 461.9375 (d732) JC Penney
 463.5375 Montgomery Ward (Security?)
 467.8125 Montgomery Ward (Maint?)
 151.9550 (74.4) Old Navy
 151.6250 (179.9) Target F1
 151.9550 (179.9) Target F2

Target (Lombard): 462.7625
Target (Niles, IL): 151.625 (179.9) / 151.955 (179.9)
Target (Oswego): 461.0375 Main channel
Target (General): 469.0625, 467.7625, 466.2875, 462.9125,
 469.4875, 151.625, 151.955, 151.895, 151.925,
Wal-Mart (Niles, IL): 467.8125 (PL 179.9)
Wal-Mart (Northlake): 154.6000
Wal-Mart (Rolling Meadows): 154.5700
Wal-Mart (Wheeling): 154.5700
Water Tower Place: 464.6750 (131.8)

Woodfield Mall:
 151.8050 (d172?) The Gap
 151.8950 Warner Brothers Studio Store
 151.9550 GameWorks
 151.9550 (D631) Rain Forest Cafe
 154.5700 (74.4) Old Navy
 154.5700 Silicon Motor Speedway
 154.6000 (131.8) JC Penney
 154.6000 (94.8) Toys R Us
 154.6000 (d411) Warner Brothers Studio Store
 154.6000 Woodfield Hilton / The Finish Line
 206.0000 Rain Forest Cafe Wireless microphone
 452.3750 (131.8) Security F1
 454.5525 Rain Forest Cafe
 461.0500 Woodfield Hilton
 461.2625 (d023?) Loew's Theatres
 461.3750 Woodfield Mall Operations
 461.4625 (d503) Marshall Fields Loss Prevention
 461.9375 (D732) JC Penney
 461.9500 Woodfield Hilton
 462.2500 Woodfield Corporate Center
 462.8125 IKEA
 463.2000 (131.8) Maintenance F3
 463.4250 reported, never confirmed
 463.4375 Nordstrom
 464.5000 Sears
 463.5625 Nordstrom
 463.8375 Nordstrom
 464.0875 Nordstrom
 464.2625 Nordstrom
 464.3250 (131.8) Valet Parking (R.B. Enterprises)
 464.4750 Housekeeping
 464.5125 Rain Forest Cafe
 464.6125 Nordstrom
 464.8750 (79.7) Sears
 464.9250 (131.8) Woodfield Commons Mall
 464.9750 Hyatt Regency Woodfield
 466.9500 (d125) Marshall Field's Sales Associates
 467.7375 Marshal Fields
 467.7625 Galyan's
 467.7625 (192.8) Marshall Field's Security

YORKTOWN MALL:

151.6250 Target (confirmed)
 151.6250 Yorktown Cinema
 151.8950 Target (licensed, not confirmed)
 151.9250 Target (licensed, not confirmed)
 151.9550 Target (confirmed)
 452.3500 Galyans (unconfirmed)
 461.3375 VonMaur (paging)
 461.6125 J.C. Penney (licensed but use not confirmed)
 461.9375 J.C. Penney (security)
 462.7625 Galyans (unconfirmed)
 462.8625 Galyans (unconfirmed)
 463.8875 VonMaur (security)
 464.9250 Mall operations and security
 467.2250 Mall shop, unknown
 467.7625 Galyans (unconfirmed)
 467.7625 Target (licensed, not confirmed)
 467.8750 (unknown user-retail security)
 468.1875 (unknown user-retail security)
 468.4750 Carsons (security)
 469.0625 Target (licensed, not confirmed)

Family Radio Service: (always a scream in any suburban mall)

CH01 - 462.5625 CH08 - 467.5625
 CH02 - 462.5875 CH09 - 467.5875
 CH03 - 462.6125 CH10 - 467.6125
 CH04 - 462.6375 CH11 - 467.6375
 CH05 - 462.6625 CH12 - 467.6625
 CH06 - 462.6875 CH13 - 467.6875
 CH07 - 462.7125 CH14 - 467.7125

GOOD EXCUSES:

Ever want to listen in on that traffic stop just down the street? Now you can. Dozens of area departments employ in-car cameras and wireless audio recording systems to document traffic stops. The range of most of these units is pretty short, a few hundred yards at best. But if your listening post is near a major street you might try giving these a listen. You'll no doubt eventually hear other wireless microphones using these freqs as well.

169.345 170.245 171.045
 169.445 170.305 171.105
 169.505 170.345 171.845
 169.545 170.445 171.905

RADIO'S BASEMENT:

United States Navy "Take Charge and Move Out" Command and Control aircraft ("TACAMO") Employ frequencies down to a few tens of Khz for slow speed communications with submerged submarines.

Khz	Pwr	ID	Entity and details
17.9	200		TACAMO (Chnl1) 50 Hz-50 Bd/anti-jam (best bet)
18.0	200		TACAMO aircraft 50 Hz-50 Bd/anti-jam
18.6	200		TACAMO (Chnl1) 50 Hz-50 Bd/anti-jam
19.3	200		TACAMO aircraft 50 Hz-50 Bd & anti-jam
22.6	200		TACAMO aircraft 50 Hz-50 Bd & anti-jam
23.1	200		TACAMO aircraft 50 Hz-50 Bd/CW-200 Hz
25.2	200	NOV	TACAMO LANT a/c 400 Hz-800 Bd/25.3 CW200Hz
25.6	200	NOV	TACAMO LANT a/c 400 Hz-800 Bd/25.7 CW200Hz
26.2	200	NJB	TACAMO PAC a/c FSK/800 Bd/MSK
26.2	200	NOV	USN-TACAMO LANT FSK/800 Bd/MSK
26.3	200	NJB	USN-TACAMO PAC 50 Hz-50 Bd/800 Bd/26.4 CW
26.9	200	NOV	TACAMO LANT a/c 400 Hz-800 Bd/27.0 CW
27.0	200		TACAMO aircraft 50 Hz-50 Bd/800Bd/MSK/CW
27.2	200		TACAMO aircraft 50 Hz-50 Bd & anti-jam
27.5	200		TACAMO aircraft 400 Hz-800 Bd
27.6	200	NOV	TACAMO LANT 400 Hz-800 Bd/27.7 CW-200 Hz
27.7	200		TACAMO aircraft 50 Hz-50 Bd/400 Hz-800Bd
27.9	200	NJB	TACAMO PAC a/c 50 Hz-50 Bd/800 Bd/28.0 CW
29.3	200	NOV	TACAMO LANT a/c 50 Hz-50 Bd/800 Bd/29.4 CW
29.4	200	NJB	TACAMO PAC a/c 50 Hz-50 Bd/800 Bd/29.5 CW
29.6	200	NJB	TACAMO aircraft 50 Hz-50 Bd/800 Bd/29.7 CW

THE FBI: (In Color!) (Not a Quinn-Martin Production!)

A1 AURORA 170.7250 / 167.3375
 A2 SIMPLEX 170.7250
 A3 CG / WRA 170.7250 / 164.0250
 A4 SIMPLEX 167.5625
 A5 CHICAGO 170.6250 / 164.4750
 A6 SIMPLEX 170.6250
 A7 SSG CHGO 168.7250 / 164.5250
 A8 SIMPLEX 168.7250
 B1 OHARE 167.2125 / 163.9875
 B2 SIMPLEX 167.2125
 B3 LK ZURICH 167.7375
 B4 SIMPLEX 167.5626
 B5 GURNEE 162.8625
 B6 JOLIET
 B7 CHICAGO 170.900 / 164.0500
 B8 SIMPLEX 170.900
 C1 CRETE 167.3375 / 165.900
 C2 SIMPLEX 167.3375
 C3 JOLIET 173.1500 /
 C4 SIMPLEX 173.1500
 C5 MORRIS 167.5375
 C6 EARLVILLE 170.6250 / 164.4750
 C7 CHICAGO 170.3500 / 164.5750
 C8 ISPERN 155.4750
 D1 OCDEF 164.5500 / 168.8625
 D2 SIMPLEX 164.5500
 D3 SIMPLEX 166.4625
 D4 SIMPLEX 167.5625
 D5 SIMPLEX 167.5375
 D6 SPEICALS 167.5375 / 163.8625
 D7 DOE 163.1000
 D8 SIMPLEX
 E1 ROCKFORD 167.4875 /
 E2 SIMPLEX 167.4875
 E3 DEKALB 167.2875 /
 E4 SIMPLEX 167.2875
 E5 STOCKTON
 E6 SAVANNA 164.5750
 E7 PROPHETSTN 163.7750
 E8 N/A
 F1 ROCHELLE
 F2 WOODSTOCK
 F3 ISPERN 155.4750
 F4 SIMPLEX 167.5625
 F5 SIMPLEX
 F6 SPECIALS 167.5375 / 163.8625
 F7 SIMPLEX 167.5125
 F8 SIMPLEX
 G1 CHICAGO 168.3250 / 164.8000
 G2 SIMPLEX 168.3250
 G3 CHICAGO 169.9500 /
 G4 SIMPLEX 169.9500
 G5 CHICAGO 170.3500 /
 G6 SIMPLEX 170.3500
 G7 CHICAGO 170.3500 / 164.5750
 G8 CHICAGO
 H1 JOLIET
 H2 ELBURN
 H3 CHICAGO 170.6750 / 164.4250
 H4 SIMPLEX 170.6750
 H5 SIMPLEX 167.5875
 H6 SIMPLEX 170.6750
 H7 SIMPLEX 167.6125
 H8 SIMPLEX

DECEMBER MEETING NOTES: By: Roy Bond
(Roy never fails to amaze me with his note taking efforts. I officially nominate Roy as CARMA Executive Secretary - Editor)

A source of "professional" earphones, surveillance kits, speaker-microphones is << WWW.OTTOENG.COM >>

A high-speed looking jacket/vest with many pockets (21 on some models) can be found at << WWW.SCOTTEVEST.COM >>

While we're on the subject of jackets, The issue of CARMA jackets & hats came up again. I suggested that we look at patches instead. Some of the advantages are that it will allow each member to select his own outerwear, we won't have to worry about sizing, color, etc., and if the patch is affixed with Velcro, it can be applied/removed at the wearer's discretion. I've got a couple of places working on price quotes. If you know anyone who does quality work and is willing to deal with us on relatively small quantities (100-200 pieces), e-mail me off-list.

WAFAR (Western Area FM Amateur Repeater Club) has invited CARMA's licensed amateur radio operators to use it's machines. UHF: 443.6000 (114.8Hz) / VHF: 146.6700 (107.2) They also have a 220 machine on 220.9800 (110.9).

The UHF machine is currently operating with only one receive site, but the VHF machine has multiple receive sites and very good coverage of the area. Although the use of amateur radio repeaters is free, membership/donations are always welcome. Feel free to contact WAFAR about membership at Post Office Box 661043, Chicago, Illinois 60666 or call the 24-hour Info Line: 847/468-1367

Congratulations to Dave Weaver! He was recently licensed as KC9CTF!

Rolling Meadows IS NOT going to NWCDs for their dispatch needs. They will continue to be self-dispatched.

On to the frequencies...(NFM in MHz unless otherwise noted)

Royal Caribbean Cruise Line
462.0250 Port operations
463.3500 Port operations
457.5500 M/V Song of the Seas
457.5250 M/V Majesty of the Seas

138.3000 IN National Guard
145.1900 Bootleggers heard here recently.
146.8800 Bootleggers heard here, too.
149.9800 Unknown males in spanish. Possible bootleggers.
150.7900 Fireground GREEN (also the input to Bolingbrook's FD repeater)
153.6350 Clarendon Hills (via SWCD), Downer's Grv & Westmont FD's (Oak Brook FD may also be here soon)
153.6750 (146.2, input 150.8050) Clarendon Hills RD repeater
153.8150 (D662) SMART (see 155.0250), using D662 on this Cook County channel.
153.8300 Fireground RED. Widespread use throughout Illinois.
153.8750 (186.2) Buffalo Grove FD alternate
154.1300 (146.2) Woodstock FD
154.1300 (156.7) CFD "Main" (Fire North)
154.2650 IFERN. Formerly NIFERN. Now statewide as well as in WI, IN, IA & KY.
154.2800 Fireground WHITE
154.2950 Fireground BLUE/WESCOM FDs
154.3550 (156.7, 151.8350 input, if any) Joliet FD. Simulcast on their trunked system on talkgroup 1616.

155.0250 ESMARN. Listen for the Suburban Mutual Assistance Response Team (SMART), using DPL662)
155.4750 ISPERN. Warrenville has applied for a Fixed Base license here (!)
157.1500 Coast Guard with CFD helo in recent ops
158.4600 Condell Hospital (Libertyville) paging
161.3850 Burlington Northern Road Channel
168.8250 INS, O'Hare
179.7500 WLS (Channel 7) TV audio
281.4000 (AM) Indianapolis Center
299.3000 (AM) Indianapolis Center
335.5500 (AM) Active
353.9500 (AM) Chicago Center
362.3000 (AM) Chicago Center
370.8500 (AM) Chicago Center
387.1000 (AM) Chicago Center
392.2000 (AM) WI ANG
461.8375 Fisher Scientific, Hanover Park
464.5250 Condell Hospital (Libertyville), Buffalo Grv HS & Zurich Insurance Security (Schaumburg)
464.6500 (77.0) Unknown carriage company, downtown
467.9250 Sony Store, Kenosha
470.3125 (97.4) Waukegan, Park City
470.3125 (146.2) West Chicago, Warrenville, et al.
470.3375 NORCOM TAC-5. Also licensed to Gary, IN LTR system.
470.5875 (97.4) Grayslake, et al.
470.6625 NORCOM
470.7625 (192.8) Northbrook, Glenview, et al.
470.9625 (192.8) APERN (Areawide Police Emergency Radio Network)
471.1625 (127.3) Quadcom (Sleepy Hollow, et al.)
477.4375 (D431) Northlake PD
866.5125 (156.7) Mutual Aid "TAC-1", open key over the past 2 days

Woodfield Mall
464.5000 Sears
467.7375 Marshall Field's
467.7625 Marshall Field's

Oakbrook Mall
461.4625 Marshall Field's
461.9500 Marshall Field's Express
467.8750 Sears

DUCOMM has applied for several 220MHZ frequencies, showing telemetry & analog use:
220.8475 220.9025 220.9125 220.8025 220.8175

The Cook County Sheriff has APPLIED FOR the following frequencies:
866.2000 866.2250 866.2875 866.7500 867.0875
867.1625 867.1875 867.3375 867.7125 867.8000
868.0625 868.6125
868.6875 868.7375

CURRENT Cook County Sheriff Trunked System:
Talkgroups 2488 & 3472 seem to work citywide. Most of the talkgroups in use can only be heard when near the jail. (26th & California)
866.5000 868.8375 867.7125 866.1000 866.2625
867.1375 867.2875 867.8000 868.5250 868.6125
866.7250 867.8375

Chicago Housing Authority System - Although the CHA PD has been decommissioned, the system remains in use. Look for City of Chicago radio techs on talkgroup 32. 866.0500 867.3500 867.6750 868.0500 868.1625 868.6375 866.6500

DECEMBER MEETING NOTES: (Continued)

United States Postal Service:
166.2250 166.3750 164.9875 408.0500

WESCOM (Plainfield, Channahon, Cresthill, Lockport & Westfield)
has applied for the following frequencies:
154.7475 158.9925 154.8525 158.9325 155.3550

Gary, IN Housing Authority LTR Trunked system:
470.3375 470.9625 470.7875 470.4125 471.1375

Some High Frequency action:
5.211 (USB) National Emergency Command Network exercise
10.493 (USB) National Emergency Command Network exercise
11.175 (USB) USAF
13.927 (USB) USAF MARS

Happy Scanning - RoyPB@aol.com

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FERMILAB NATIONAL PARTICLE ACCELERATOR, BATAVIA:
(Compiled from 4 different sources and my own notes - Editor)

72.4000 OVERHEAD CRANE REMOTE CONTROL
73.2225 OVERHEAD CRANE REMOTE CONTROL
154.0700 F10, FIRE LIASON
154.2500 F09, FIRE LIASON
154.2650 F13, FIRE LIASON
154.3100 F11, FIRE LIASON
154.8300 F12, FIRE LIASON
155.3400 F14-16, HOSPITAL LIASON
162.0500 VEHICLE MAINTENANCE
163.2250 RESEARCH DIVISION (REPEATS 164.250?) DOE
163.2250 KA8304 EXPERIMENTAL AREAS, INPUT TO 163.250
164.2500 KA8304 F6, EXPERIMENTAL AREAS, RPTS 163.225
164.2750 KA8304 F7, EXPERIMENTAL AREAS, LOW POWER
164.3000 NEUTRINO GROUP
164.3250 KGB509 F5, BUBBLE CHAMBERS / EMERGENCY 2
164.3500 KAJ982 F4, PLANT MAINTENANCE
164.3750 BUILDINGS MAINTENANCE
164.6000 TAXIS
164.7250 REPORTED OPERATIONS - NOT CONFIRMED
165.2625 EAD/SITEWIDE ALERTING
165.2625 VOICE TELEMETERING
167.8250 MOBILE USE
167.8500 KFW692 PAGING, CW ID
167.8750 BASE OPS
167.9250 KFW692 F1, SECURITY, FIRE DISP / FEMA LIASON
168.4500 KFW702 F2, ROADS & GROUNDS, SAFETY,
RADIATION PHYSICS
169.6000 KG6286 F3, TAXIS
169.9500 REPORTED OPERATIONS
170.0750 REPORTED OPERATIONS
173.0000 EMERGENCY 1
201.0000 CYCLOTRON
406.6000 RADIATION SAFETY DATA LINK
409.2000 TELEMETRY DATA
409.5250 MOBILE USE
409.7500 MOBILE USE
410.3500 ACCELERATOR CRYOGENICS, MAIN CONTROL RM
410.8000 KCI797 MAIN CONTROL ROOM
7215.000 LINK TO ARGONNE NATL LAB

OHARE AIRPORT:

If you like listening to O'Hare Airport, you need the link to this file.
It's in Adobe Acrobat PDF format and it's big, but worth the
download time: <http://www.carmachicago.com/ord.pdf>

In other O'Hare news, United Airlines has been broadcasting
messages from the CEO to their employees on all-call groups on
the United Trunked system. Our best wishes for their employees.

HOT LINKS:

In case you haven't noticed, one of the features I really like about
PDF web publishing is the ability to embed links to e-mail addresses
and Internet web sites. Here's some off the yahoogroups links:

Misc Frequency Related Search Engines:

<http://www.fcc.gov/oet/info/database/raeddf.html>
<http://www.berkana.com/tower.php3>
<http://www.fcc.gov/oet/fccid/>
<http://wireless.fcc.gov/uls/>
<http://afws.net/freq/RadFreq.ihtml>
<http://www.phreak.org/html/freq.shtml>
<http://sss-mag.com/spectrum.html>

Web Radios and Scanner Audio Feeds:

<http://www.chilton.com/scripts/radio/R8-receiver>
http://www.dxzone.com/catalog/Internet_and_Radio/Online_Receivers/
<http://www.live365.com/stations/252668>
<http://www.live365.com/stations/245012>
<http://members.vienna.at/babsi.zwingl/receivers.html>
<http://members.101freeway.com/gmitch/audio.htm>
<http://www.javaradio.com/>
<http://www.merr.com/multimedia.htm>
<http://www.geocities.com/CapeCanaveral/Lab/2376/pghradio.html#PDAUDIO>
<http://www.ralabs.com/webradio/>
<http://realguide.real.com/tuner/>
http://www.scanware-fccfrs.net/sw_audios.html
<http://www.visualradio.de/startinter.htm>
<http://nihac.info.nih.gov/listener/listener.html>
<http://radio.broadcast.com/>

Misc CARMA Member's pages

<http://www.carmachicago.com>
<http://www.n9jig.com/radio/radio.html>
<http://home.attbi.com/~tandkmoran/>
<http://plaws.net/scan/>
<http://www.qcscan.com/>
<http://members.core.com/~pamass/>
<http://groups.yahoo.com/group/CARMA780XLT/>
<http://www.ilstu.edu/~ebhodge/freqs>
<http://ssscanning.n3.net/>
<http://www.umr.edu/~kcechura/scan/>
<http://www.geocities.com/kb9rto/>
<http://www.larrywall.com/>
<http://miked2000.home.mindspring.com/radioidex.htm>
<http://home.att.net/~ilgrant/>
<http://www.execpc.com/~ghahn/>
<http://www.chicagoscanning.com/>

The one I visit daily, in addition to our yahoo site and carmachicago:
<http://www.strongsignals.net>

That's it for this time around. If you are a new comer to CARMA I
strongly urge you to get that yahoo account, join the list and attend
meetings. You haven't really begun to understand the Chicago radio
scene until you've joined up with us.

*The newsletter staff, our contributors and all of CARMA wish
you and yours a safe and very merry holiday season.*

HAPPY SCANNING! - TED