

THE FEEDLINE

THE CANTON AMATEUR RADIO CLUB

March 2009



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PUBLICITY DIRECTOR:

Dennis Moriarty K8AGB

CLUB REPEATER
146.790

MEETINGS
EVERY 3RD WED 7:30P
STARK COUNTY E. O. C.
LOWER LEVEL
STARK COUNTY
SHERIFF'S OFFICE
RT 62 EAST

TRUSTEES MEETING
EVERY 3RD WED 6:15P
STARK COUNTY E. O. C.

"THE FEEDLINE"
PUBLISHED BI-MONTHLY
BY THE CANTON ARC
DEADLINE NEXT ISSUE
IS MAY 1, 2009

EDITOR
Dale Lamm NX8J

W8AL Open House

You definitely don't want to miss the annual Canton Amateur Radio Club's gala Open House next month. Come see equipment displays and renew friendships.

Experienced amateurs will be available to answer questions about the new HDTV standard.

We will host this event at our customary meeting location in the Stark County E.O.C. located beneath the Sheriff's office on Atlantic Boulevard.

Officers and members of Canton ARC welcome all visitors whether they are licensed amateurs or not. We'll be looking for you Wednesday April 15 at 7:30 PM.

SKYWARN Training Soon

Gary Garnet KC8TJI from the Cleveland office of the National Weather Service will once again present his engaging "show and tell" on severe weather phenomena. The purpose is to train volunteers to become useful "spotters", who assist the NWS in their mission.

Come to Stark State College of Technology's main auditorium March 18 at 6:30 PM. The presentation takes approximately two hours.

More information can be found on the Stark County Amateur Radio Emergency Service website at www.wd8aye.net. A useful explanation of SKYWARN is at www.wd8aye.net/skywarn.htm. There's even a downloadable copy of the official Spotter's Guide.

Ed note: in the electronic FEEDLINE just click on any link to go there with your browser

Technician License Classes

Know somebody who would like to get the entry level amateur license? Starting on April 21 at the Stark County EOC, our own Professor Bill Hannon N8PW will be conducting weekly classes. These will prepare the student for the FCC exam which must be passed before an amateur license is issued.

Bill comes highly recommended as a fine teacher. He generously shares his knowledge with all. Canton ARC welcomes your participation, call 330-454-7793 to register.

Venturing Crew 73 Activities and News

Canton ARC is the sponsoring organization of Venturing Crew 73, which is a sub-organization within the Boy Scouts of America. Recently, all BSA units in Buckeye Council renewed their annual charter agreements. Venturing Crew 73 is now chartered through February 28, 2010.

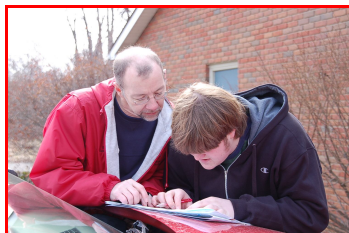
Our most recent activity was to participate in foxhunt training late in February. Alliance ARC was the event organizer. We started our hunt at 2:00 PM from Glamorgan Castle, very near the center of town. The fox operated on 147.15 MHz, and sent an audio Morse series of V's and a call sign for a minute. It would then go silent for a minute before repeating the cycle.



Our strategy was to take a bearing from the starting point, plot it on a map, then drive to a few other points on the city limits and take additional bearings. We used a Cushcraft five element beam modified with a plastic handle and a small ICOM T-90 receiver with a signal display.

After the fourth bearing, we were confident the fox was somewhere in Silver Park, which is 53 acres of rolling, wooded hills on the south side of Alliance. In the park, the signal was quite strong. We ditched the beam and placed a 10 dB attenuator on the handheld, using a scrap of wire stuck in the BNC connector as an antenna.

Scout Andy used the "body shielding" method to get a general idea of the signal's source. We walked on foot through wet, soft ground on a blustery day towards our goal. Reflections from a baseball field fence confused all briefly. Soon, the signal was so strong that another 10 dB attenuator was applied.



As you can imagine, we eventually found our hidden transmitter, total elapsed time over two hours. This run was just for practice. John KD8MQ was the Alliance ARC on-site representative. He and NX8J hit it off and enjoyed watching as the others pursued the fox. Crew 73 looks forward to April 28, when the "official" hunt will be conducted.



Andy, Dale NX8J and John KD8MQ pose with "Mr. Fox". Event photo credits go to Judi Krew.

AREA NETS

STARK CO ARES NET
TUESDAY
FM 7:00 PM 147.120

ALLIANCE ARC
THURSDAY
CW 8:00 PM 28.400
SSB 8:30 PM 28.400
FM 9:00 PM 145.370

MASSILLON ARC
2ND, 3RD & 4TH
FRIDAY
FM 8:00 PM 147.180

CUYAHOGA FALLS ARC
MONDAY
FM 8:30 PM 147.270

PORTAGE COUNTY ARS
THURSDAY
FM 8:00 PM 146.895

LAKE ERIE ARA
THURSDAY
FM 8:00 PM 146.760

GOODYEAR ARC
THURSDAY
FM 7:30 PM 146.985

WOOSTER ARC DX GRP
THURSDAY
FM 8:00 PM 147.345
(110.9 PL)

WEST STARK INFO NET
THURSDAY
FM 8:00 PM 147.180

MASSILLON RADIO NET
SUN, TUE, THU
CW 7:30 PM 3599.5
8:30 PM DURING EDT

HOMELAND SECURITY NET
LAST TUE OF MONTH
FM 8:00 PM 147.51
(SIMPLEX)

Have a NET you would like to see publicized here?

Please send details to Feedline editor at:

dalelamm@ieee.org

CARC Jackets Now On Sale

Thanks to planning and efforts of Ted Armstrong K8TWA, some really sharp apparel is now available for purchase by all. These lightweight jackets are stone colored with a navy blue trim, and feature an embroidered Canton Amateur Radio Club logo on the breast.

Anyone may purchase jackets, club member or not. Available sizes are XS to 6XL.

Complete descriptions of the jackets (both men's and women's versions available) can be found by visiting www.portauthorityclothing.com and entering "Legacy" in the manufacturer's search box. The model number is J764 (mens) and L764 (ladies).

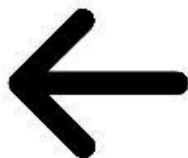
Here is a very detailed explanation: <http://63.251.14.198/specsheets/J764.pdf>

The embroidered logo will be personalized with your amateur call sign or other short group of letters, such as a nickname. The price is variable, depending on size. CARC is selling these at our cost. Ordering details can be found on the next page.

Ed note: in the electronic FEEDLINE just click on any link to go there with your browser



- * 100% polyester shell * 100% polyester mesh upper back lining
- * 100% nylon lining on lower back/front/sleeves * Contrasting neck trim
- * Lower slash zip pockets * Port Pocket™ access * Contrast neck trim * Hidden hood
- * Front and back vents * Elastic cuffs with Velcro adjustable strap
- * Elastic sides on bottom hem * Locker loop * Inside chest pocket



This is what "Stone" with "Navy Blue" trim looks like, according to the manufacturer's web site

SWAP COLUMN

Elecraft K2/100

S/N 05035
100W HF Transceiver
Covers 160m thru 10m
SSB Option, 160m Op-
tion, 60m / XVT Inter-
face, KNB2 Noise
Blanker, KAF2 Audio
Filter, Finger Dimple,
and Tilt Stand

Like New Condition –
Asking \$1400.00

Kenwood TS-850SAT

100W HF Transceiver
Covers 160m thru 10m,
with internal ATU
455 Khz IF has 12 Khz,
6 Khz, and 2.7 Khz Fil-
ters Installed. 8 Mhz
IF has 6 Khz, 2.7 Khz,
and 500 Hz Filters In-
stalled. Inspected &
new battery installed
by AES

Clean, no scratches,
works fine – Asking
\$800.00

ICOM IC-551D & IC-PS30

100W All Mode 6m
Transceiver, FM module
installed

Clean, no scratches,
works fine – Asking
\$500.00

Horizon VI 1KW 6m Amp

2 X 3-500Z Elmac Tubes,
Needs HV Power Supply

Asking \$400 w/Tubes or
\$100 w/o Tubes

Murch Manual Ant Tuner

1KW Roller Inductor An-
tenna Tuner. Works with
balanced or unbalanced
line

Good condition, works
fine – Asking \$150.00

If you don't like my
asking price, make a
reasonable offer and
we'll talk.

Ken W8KEN
Ph: (440) 729-9388
Email: w8ken@yahoo.com

SELLING? WANT TO BUY?

Please send details to
Dale NX8J, editor at:
daleamm@ieee.org

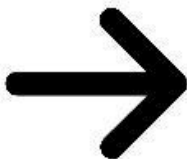
CARC Jacket Order Form

Please fill in the grid squares below, one row for each jacket needed. Sizes are XS through 6XL. Calculate your own tax and the total for each row. Payment must be made in advance, check or money order made out to Canton ARC. Mail to Canton ARC, POB 8673, Canton OH 44711-8673.

	STYLE	COLOR	LADIES SIZE	MENS SIZE	CALL SIGN	NAME	PRICE	TAX	TOTAL COST
1.	764 LEGACY	STONE DK NAVY							
2.	764 LEGACY	STONE DK NAVY							
3.	764 LEGACY	STONE DK NAVY							

NAME	
ADDRESS 1	
ADDRESS 2	
CITY	
STATE	
ZIP+4	
PHONE	
EMAIL	
PMT METHOD, CHK NUM	

This is what the Lady's style L764 jacket looks like, according to the manufacturer's web site



Please see pricing tables on next page

AMATEUR RADIO WEB SITE DIRECTORY

CANTON ARC WEB SITE
www.w8al.org

MASSILLON ARC WEB SITE
www.marcradio.org

ALLIANCE ARC WEB SITE
www.w8lky.org

STARK COUNTY ARES
www.wd8aye.org

TUSCO ARC
tuscoarc.org

PORTAGE COUNTY ARS
www.portcars.org

LAKE ERIE ARA
www.leara.org

USA NOAA RADAR
radar.weather.gov

ARRL
www.arrl.org

ARRL OHIO SECTION
www.iarc.ws

QCWA CHAPTER 21
www.cmh.net/~jpvsr

DX-SUMMIT
<http://www.dxsummit.fi>
[Note NEW address]

**INTL MORSE PRESERVATION
SOCIETY**
www.fi-sts.org

CQ MAGAZINE
www.cq-amateur-radio.com

CONTEST CALENDAR
www.hornucopia.com/contestcal

**WEB SITE
OF THE BI-MONTH**

<http://146535.com>

Passed along to the editor by K8TWA. This is a local site centered on the 146.535 simplex frequency in the tri-county area. Site by KB8SAF. Visit www.the-resource-room.com

Diseased Tree Devours Amateur's Antenna

Al Day K8AL of Cambridge would like to warn all radio amateurs of a dangerous, mutated, antenna-eating tree now roaming the Buckeye State.

Just seconds after Al took this photo, the giant green woody reduced his Force C12 to shreds. At least Al now has an ample supply of Christmas tree tinsel!

Department of Homeland Security is requesting that all radio amateurs transmit any reported sightings of the bark-encrusted monster to them via the special 121.5 MHz link.



CARC Jacket Price Info

MENS SIZE	JACKET INCL LOGO & CALL	6% TAX	TOTAL
XS-XL	\$57.00	\$3.42	\$60.42
2X	\$59.00	\$3.54	\$62.54
3X	\$63.00	\$3.78	\$66.78
4X	\$65.00	\$3.90	\$68.90
5X	\$69.00	\$4.14	\$73.14
6X	\$71.00	\$4.26	\$75.26

LADIES SIZE	JACKET INCL LOGO & CALL	6% TAX	TOTAL
XS-XL	\$56.00	\$3.36	\$59.36
2X	\$58.00	\$3.48	\$61.48
PLUS 1 X	\$62.00	\$3.72	\$65.72
PLUS 2 X	\$64.00	\$3.84	\$67.84

Note: Add \$3.00 if you would like a name or nickname in script added to the right side. The CARC logo and amateur call is included on the left side.

The Elmer Speaks

There is a gold-mine of information buried in US military field manuals and training materials. Your editor benefited as a boy from a neighbor's generosity. The gentleman was a US Navy veteran. He owned a collection of blue paperback Navy technical manuals. He generously gave these to a geeky kid across the street, who happily read every word he could about radio and electronics. Thank you, Mr. Zwick.

Military technical manuals are readily available on the web. Most of them are in the public domain. Here now is an extract from US Army's FM 24-19, *Radio Operator's Handbook*. Topic is *Field Expedients for Antennas*.

Section VII. Field Expedients for Antennas

a. Antennas are sometimes broken or damaged resulting in failed or poor communications. If a spare is available, replace the damaged antenna. When there is no spare, fabricate an emergency antenna. For more information on how to repair and fabricate antennas refer to FM 24-18. The following suggest ways to construct an emergency antenna.

(1) The best wire for antennas is copper or aluminum. In an emergency, however, use any wire available. WD-1/TT is suitable for this purpose.

(2) The exact length of many antennas is critical. Therefore, the length of the emergency antenna should be the same as the length of the antenna it replaces.

(3) Antennas supported by trees can usually survive heavy windstorms if the trunk of a tree or a stout limb is used for support. To keep the antenna taut and to prevent it from breaking or stretching, attach a spring or a strip of old inner tube to one end of the antenna, or pass a rope through a pulley or eye hook, attach the rope to the end of the antenna, and load the rope with a heavy weight to keep the antenna taut.

(4) Guys used to hold antenna supports are made of rope or wire. To ensure that wire guys will not affect the operation of the antenna, cut the wire into several short lengths and connect the pieces with insulators. Small pieces of dry wood, bottles, or even suitably shaped stones may be used.

b. An improvised antenna may change the performance of a radio set. Use either of the two following expedient methods to determine whether the improvised antenna is operating properly.

(1) The distant receiver may be used to test the antenna. If the signal received from a station is strong, the antenna is operating satisfactorily. If the signal is weak, adjust the height and length of the antenna and transmission line to receive the strongest signal at a given setting of the volume control of the receiver. If your set is equipped with a power or SWR meter, use this device to adjust your antenna.

(2) In some radio sets, the transmitter is used to adjust the antenna. First, set the controls of the transmitter in the proper position for normal operation; then, tune the system by adjusting the antenna height, length, and the transmission line length to obtain the best transmission output.

c. When a whip antenna is broken into two sections, the portion of the antenna that is broken off can be connected to the portion attached to the base fitting by joining the sections together. When both parts of the broken whip are available and usable, connect the two broken ends together and wrap with wire, ensuring that wrapping is clean and tight. Lash pole or branch to antenna until antenna will stand alone. When the portion of whip that is broken is missing or unusable, add a piece of wire that is nearly the same length as the broken section. Then, lash a pole the length of the antenna securely to the base section of the antenna and tie wire to the top of pole. If possible, solder the connections.

*Did you renew your Canton Amateur Radio Club membership for 2009?
Glad if you did! In case you know any others who would like to join,
we are reprinting the "official" Canton ARC membership application below.
Please fill out and return to Canton ARC, PO Box 8673, Canton OH 44711 with payment.*



W8AL

CANTON AMATEUR RADIO CLUB

***** PLEASE FILL OUT COMPLETELY, EVEN IF
NO INFORMATION HAS CHANGED *****

2009 Membership Application Form

☐ RENEWAL

☐ NEW

Name: _____

Call: _____

Address: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____

ARRL Member? ☐ YES ☐ NO

License Class: ☐ Novice ☐ Technician ☐ Tech-Plus ☐ General
☐ Advanced ☐ Amateur Extra ☐ None

Send me *The Feedline*

☐ Via Email

☐ Via Postal Mail

☐ Both

Expiration: _____ First Licensed: _____

Birthdate: ____ / ____ / ____

TYPE OF MEMBERSHIP

_____ SUSTAINING @ \$20.00 = _____

_____ FULL/FAMILY @ \$15.00 = _____

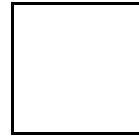
SEND TO:
CANTON AMATEUR RADIO CLUB
P.O. BOX 8673
CANTON, OHIO 44711

Make checks payable to:
CANTON AMATEUR RADIO CLUB

YEARLY DUES ARE PAYABLE BY JANUARY 21, 2009

THE FEEDLINE

**CANTON AMATEUR RADIO CLUB
P.O. BOX 8673
CANTON, OHIO 44711**



Mailing
Address
Goes Here

THE FEEDLINE

IMPORTANT CLUB DATES FOR 2009

March 18 - Wednesday meeting at Stark State (SKYWARN), 6:30 PM

April 15 - Wednesday meeting at Stark EOC (Open House), 7:30 PM

May 20 - Wednesday meeting at Stark EOC, 7:30 PM

June 17 - Wednesday meeting at Stark EOC, 7:30 PM

June 19-21 - ARRL Field Day

July 15 - Wednesday meeting at Stark EOC, 7:30 PM

August 1 - Pro Football HOF Special Event station on air

August 19 - Wednesday meeting at Stark EOC, 7:30 PM

September 16 - Wednesday meeting at Stark EOC, 7:30 PM