



# Anoka County Radio Club and Emergency Services

Volume 4, Issue 5

Newsletter

September/October 2008

## President's Corner

Welcome to the beginning of a new fall season! As we all know, summer is over and the beginning of the DX season is coming - are you ready for it?

I would like to give a big "thank you" to everyone who joined us for the simple supper! It was great to see all of you!

October is membership month and I'd like to remind everyone to come to the membership meeting and renew your membership and meet John Dooley, our state Communications officer! He will be giving a presentation at the meeting!

I would like to hear your ideas for events over the winter months so we can plan what we may or may not want to get involved with for the next year. Some of the events include the Christmas Party, Santa Net and Hams Against Hunger. The board has heard interest from members in these and other events, so we'd like to have a discussion at the next few meetings to see what the membership would like to see the club involved in.

Have a great week!

73 Bob KB0GIP

## VE Testing

Are you ready to take your first amateur radio (ham) license test or upgrade to another level? Then let us help! The Anoka County Radio Club holds V.E. amateur radio testing sessions on every second Saturday of the month at the Blaine City Hall Mark Stack Room. Test sessions start at 9:00 a.m. We will continue to take walk-ins until 10:00 a.m. Check the club's calendar page for any updates or changes to the schedule.

## Christmas Party Coming Up!

A reminder that the annual ACRC Christmas Party will be held on Saturday, December 6<sup>th</sup> 2008. More information, a menu and a RSVP will be sent out to members soon. Sign up and join us for an evening of food and fun!

## October is the Membership Meeting Month!

All members are strongly encouraged to attend the membership meeting on October 3<sup>rd</sup> at 7:00 p.m. at the Blaine Baseball Complex. John Dooley, our state Communications officer, will give a presentation on mutual aid and communications. We look forward to seeing everyone there!

## Simple Supper 2008 - Pictures



## Amateur Radio Quiz: As the Dial Turns

From the ARRL Website

Amateur Radio is a home for innovators and experimenters, continually changing and inventing new ways to communicate. Others like to push their equipment and personal skills to the very limits of what is possible -- and still more hams just like to try something new from time to time. All this leads to a lot of neat things to listen to on the ham bands. This quiz is about some of those signals you might hear as you spin the VFO knob.

### 1) A warbling signal around 14.230 MHz is probably...

- a. RTTY
- b. AMTOR
- c. SSTV
- d. HF Fax

### 2) Slow Morse code "O" characters sent on 2 meters in the weak-signal band are likely...

- a. EME
- b. ATV
- c. Meteor Scatter
- d. Intruders

### 3) You've just worked a station on 13.995 by calling them on 14.025. What day is it?

- a. April Fool's Day
- b. Armed Forces Day
- c. MARS Appreciation Day
- d. Halloween

### 4) A station calling "CQ FOC" is looking for other members of what club?

- a. French Oceania Club
- b. Friends of CW
- c. First Class Operators
- d. Foreign Operators Conference

### 5) What operating event takes place on New Year's Eve?

- a. Rag Chew Night
- b. Straight Key Night
- c. Hootowl Sprint
- d. Moonlight Ramble

### 6) The All Asian contests permit YLs to send "00" as part of their exchange. What does this number represent?

- a. Age
- b. Serial Number
- c. Zone
- d. Marital Status

### 7) What HF band has a substantial population of FM users?

- a. 75 meters
- b. 30 meters
- c. 12 meters
- d. 10 meters

### 8) Which of the following modes supports digital voice?

- a. D-STAR
- b. Synchronous Demodulation
- c. PSK31
- d. IRLP

### 9) A worldwide network of DX beacons is operated by...

- a. *DX Magazine*
- b. WWV
- c. the Northern California DX Foundation
- d. RSGB

### 10) What is the only amateur band on which CW transmissions are not allowed?

- a. 60 meters
- b. 17 meters
- c. 12 meters
- d. 902 MHz

### 11) Which of these amateur bands are shared with other services?

- a. 20 meters
- b. 6 meters
- c. 440 MHz
- d. All of them

### 12) 56 kbps data signals are permitted on ham bands above what frequency?

- a. 30 MHz
- b. 50 MHz
- c. 144 MHz
- d. 222 MHz

### 13) If you tune across an MFSK signal, what would it sound like?

- a. White noise or hissing across a wide bandwidth
- b. Sharp clicks or pops at regular intervals
- c. Random notes from a whistle or organ
- d. Two tones alternating rapidly

### 14) When shortwave broadcast audio is received on SSB, what causes the whistling tone when the signal is off-frequency?

- a. The signal's carrier
- b. The signal's sidebands
- c. Interference from nearby signals
- d. Ionospheric Doppler shift

### 15) While on a VHF FM simplex frequency, you encounter a continuous weak signal that sends an identification signal every few minutes. What are you listening to?

- a. A defective cordless telephone
- b. A satellite's downlink
- c. The tracking signal from a migrating burrowing owl
- d. The transmitter being sought in a "fox hunt" or "bunny hunt"

### Bonus: For what 2 meter repeater output frequency can the input be offset either +600 kHz or -600 kHz

1. c -- This is the Slow-Scan Television calling frequency.

2. a -- EME signals send "O" to listen for their own echoes and alert other EME stations to their presence.

3. b -- [Armed Forces Day](#) -- this is an annual event in May during which hams make cross-band QSOs with stations on US military bases. With call signs of WAR, AIR, NAV, they have memorable QSLs.

4. c -- The [First Class Operators Club](#) holds several on-the-air events each year.

5. b -- Dust off that brass and pound away before heading out to that midnight gala described [here](#).

6. a -- Age. Who said chivalry was dead?

7. d -- Tune up to 29.600 for the calling frequency or try some of

the repeaters between 29.5 and 29.7 MHz.

8. a -- D-STAR is the new digital voice and data mode defined by the JARL-sponsored standard. D-STAR repeaters are found on the 144 MHz, 440 MHz and 1.2 GHz bands.

9. c -- The [NCDXF](#) now has beacons on all bands from 20 through 10 meters -- very handy!

10. a -- US amateurs are limited to five fixed-frequency channels on which USB voice is the only mode permitted. Sixty meters is also the only amateur band below 10 MHz on which USB is the standard sideband.

11. c -- A number of amateur bands are shared or have restrictions of which the user must be aware. The 70 cm is shared with radiolocation and other government services.

12. d -- The lower the band, the lower maximum data rate becomes -- down to 1200 bps in the HF bands.

13. c -- In fact, one MFSK variant is called *Calliope* for that reason. Answer a would be a spread-spectrum signal, answer b could be key clicks and answer d would be typical of RTTY.

14. a -- This is a "beat tone" caused by the carrier mixing with the receiver's BFO. When the carrier and BFO frequency are the same, the beat frequency is zero -- the condition known as "zero beat."

15. d -- [Direction-finding contests](#) use low-power transmitters as the quarry for the competitors.

**Bonus: Repeater outputs on 147.00 MHz comply with both -600 kHz and +600 kHz offset planning.**

## ACRC Board Members

President  
Bob Cordell – KBØGIP  
*kb0gip@juno.com*

Vice President  
Parry Brown – KCØTWB  
*kc0twb@msn.com*

Secretary  
Shawn Rung – KØSMR  
*k0smr@arrl.net*

Treasurer  
Tim Neu – KCØLQL  
*tim.neu@gmail.com*

Board Member at Large  
Pete Alcock – KBØKHZ  
*kbokhz@juno.com*

Board Member at Large  
Jeff Kline – KCØNIB  
*jskline@visi.com*

## Our Repeaters

Anoka County Radio Club sponsored repeaters:

**146.670 / 146.070 with a 114.8 PL Tone**  
**224.940 / 223.340 with a 100.0 PL Tone**  
**D-Star Repeater - Info coming soon!**

For more details on our club's repeaters, visit our website at: <http://www.anokaradio.org/repeaters>.

## Our Homepage

You can check out our homepage on the web at:  
<http://www.anokaradio.org>.

## Becoming A Member

Ready to join the Anoka County Radio Club? Becoming a member is easy! Just download a membership form from our website at: <http://www.anokaradio.org/membership>, fill it out and either mail it to us or bring it to any of the club meetings. Forms are also available at those meetings. Some of the common membership options are:

Membership	Annual Cost
Individual	\$25
Senior	\$15
Family	\$35
New Ham	Free for one year *

\* See more membership details on our website.

Send the form and payment to:

**Anoka County Radio Club and Emergency Services**  
**PO Box 982**  
**Anoka MN 55303**

---

## Calendar Of Events

### September 2008

ACRC Net  
Every Wednesday night at 7:00 p.m. on the 146.670 Repeater (114.8 PL Tone).

Anoka County ARES Net  
The second and forth Wednesday of each month after the ACRC Net (about 7:30 p.m.) on the 146.670 Repeater (114.8 PL Tone). See the Anoka-ARES website for more details.

VE Testing  
Saturday, September 13<sup>th</sup> at 9:00 a.m. at the Blaine City Hall, Mark Stack Room.

ACRC Board Meeting  
Tuesday, September 16<sup>th</sup> at 7:00 p.m. at the Blaine Baseball Complex. All members are welcome to attend.

Anoka County ARES Meeting  
Monday, September 15<sup>th</sup> from 7:00 to 9:00 p.m. More info is on the website – [www.anoka-ares.org](http://www.anoka-ares.org).

### October 2008

ACRC Net  
Every Wednesday night at 7:00 p.m. on the 146.670 Repeater (114.8 PL Tone).

Anoka County ARES Net  
The second and forth Wednesday of each month after the ACRC Net (about 7:30 p.m.) on the 146.670 Repeater (114.8 PL Tone). See the Anoka-ARES website for more details.

Membership General Meeting  
Friday, October 3<sup>rd</sup> at 7:00 p.m. at the Blaine Baseball Complex. All members are strongly encouraged to attend. John Dooley, our state Communications officer, will give a presentation.

VE Testing  
Saturday, October 11<sup>th</sup> at 9:00 a.m. at the Blaine City Hall, Mark Stack Room.

Anoka County ARES Meeting  
Monday, October 21<sup>st</sup> from 7:00 to 9:00 p.m. Location and more info is on the website – [www.anoka-ares.org](http://www.anoka-ares.org).

ACRC Board Meeting  
Tuesday, October 20<sup>th</sup> at 7:00 p.m. at the Blaine Baseball Complex. All members are welcome and encouraged to attend.



# Anoka County Radio Club and Emergency Services

Volume 4, Issue 5

Newsletter

September/October 2008

## Inside This Issue

- 1 President's Corner
- 1 VE Testing
- 1 Christmas Party Coming Up!
- 1 October is the Membership Meeting Month!
- 1 Simple Supper 2008 - Pictures
- 2 Amateur Radio Quiz: As the Dial Turns
- 3 Board Members / Membership
- 3 Calendar Of Events
- 4 Comic

Copyright © 2008 by Greg Trook



© Copyright 2008 by Anoka County Radio Club, Written by Shawn Rung KØSMR

Anoka County Radio Club and Emergency Services  
P.O. Box 982  
Anoka, MN 55303

# Anoka County Radio Club and Emergency Services, Inc

## Membership Application

Application Date: \_\_\_\_\_

Membership from October 2008 to October 2009.

### 1. MEMBER INFORMATION:

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_ Call: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_

- Are you an ARRL member?  Yes  No  Life Member  
Are you a renewing ACRC member?  Yes  No  Life Member  
May we publish your phone number?  Yes  No  
May we publish your email address?  Yes  No  
Are you interested in non-emergency events?  Yes  No If Yes, fill out section 3.  
Are you interested in emergency service?  Yes  No If Yes, fill out section 3.

### 2. MEMBERSHIP OPTIONS:

Renewing members must renew by December 31<sup>st</sup> to stay current. New members joining after June 1<sup>st</sup> pay half of the yearly dues rate. Please select one membership option:

- Individual** - \$25 yearly  **Senior** - \$15 yearly  **Student** - \$15 yearly  
 **Lifetime Individual Membership** - \$625  **New Ham** - Free (Covers new hams until the October after your first year's FCC license grant anniversary. Proof of license grant date required)  
 **Family** - \$35 yearly (Covers spouse and children under 18) **-or-**  **Family Member** - Included with a paid family membership  
Number of family members: \_\_\_\_\_ Paid member name: \_\_\_\_\_

### 3. EMERGENCY / NON-EMERGENCY SERVICE ID BADGE INFORMATION:

Full Legal Name: First \_\_\_\_\_ Middle \_\_\_\_\_ Last \_\_\_\_\_

Cell Phone Number: \_\_\_\_\_ Text Messaging Address: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Other Phone Numbers: \_\_\_\_\_

#### Completed Training:

- |  |                                      |                                       |        |
|--|--------------------------------------|---------------------------------------|--------|
| <input type="checkbox"/> Skywarn #:    | <input type="checkbox"/> ARRL - EC01 | <input type="checkbox"/> FEMA - IS100 | Other: |
| <input type="checkbox"/> AERO Basic    | <input type="checkbox"/> ARRL - EC02 | <input type="checkbox"/> FEMA - IS200 |        |
| <input type="checkbox"/> AERO Advanced | <input type="checkbox"/> ARRL - EC03 | <input type="checkbox"/> FEMA - IS700 |        |
| <input type="checkbox"/> MIMS          | Other ARRL:                          | <input type="checkbox"/> FEMA - IS800 |        |

Date Received: \_\_\_\_\_

Mail your application and check to:

Tender & #: \_\_\_\_\_

**Anoka County Radio Club**  
**P.O. Box 982**  
**Anoka, MN 55303**

Rcvd. By: \_\_\_\_\_