



FOX CITIES AMATEUR RADIO CLUB, INC.

QSO'ER



P.O. Box 2346 Appleton, Wisconsin 54912

www.fcarc.us

• **CQ CQ CQ**

Volume 20, Issue 8
August 2007

FCARC summer Corn roast!

Join the FCARC for our annual Corn Roast on August 19th, 2007 at Sunset Park in Kimberly - Start time around Noon. We have reserved the enclosed upper pavilion for the day.

FCARC Officers

- *President— Frank Livermore (N9LT)*
- *Vice-President— Dave Sprangers (ND9DW)*
- *Treasurer— Karen Long (KC9BMH) 730-8485*
- *Secretary— Mike Smith (N9IAT)*
- *Membership Co-ord— Jim Wierzba (WB9OJE)*
- *Technical Director— Andy Palm (N1KSN)*
- **Members At Large—**
- *Tim Hale (KC9FSH)*
- *Tom Riederer (N9UY)*
- *Tony Mach (AB9IO)*

FOX CITIES AMATEUR RADIO CLUB (W9ZL)

2007 SWAPFEST - November 4th, 2007

New Location at the WAVE in Grand Chute next to the Wisconsin Timberattlers stadium.

Hamfest Chairman: Tony Mach, AB9IO - 920-722-0482

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Check out the FCARC **6 Meter Net** Thursday nights at 8 pm on 52.570 FM

Fox Cities Amateur Radio Club, Inc.
General Membership meeting
Agenda for July 16th, 2007

Board of Directors FCARC

President: Frank N9LT; Vice-President: Dave ND9DW; Treasurer: Karen KC9BMH
Secretary: Mike N9IAT; Membership Coordinator: Jim WB9OJE; Technical Director: Andy N1KSN
Members at Large: Tony AB9IO, Tom N9UY, Tim KC9FSH

“Tony Mach AB9IO is our 2006 “Ham of the Year””

Presiding: President, Frank Livermore N9LT

Quorum count: Vice President; Dave Sprangers ND9DW

Call to Order: 7: 00 PM

Introduction of Members, Roll Call!

New Members: *Scott Skinner (KC9KZN)*

Renewed Members: Jack Hill (KKØI), Bill Shulze (KC9IPU), Bill Vincent (N9TNW), Mike Smith (N9IAT), Greg Schneider (W9IEI), Judy Schneider (N9PBM), Maury Mead (W9FBC), Edward Calhan (WA6UWY), Charles Kehler (KB9CVR), Michael Stoop (KC9ECV)

Old Business:

Membership report - Jim WB9OJE

B.) VE testing report – Dan N9LVS

C.) Field Day summary - Tom N9UY, Bernie N9YMC, Tim KC9FSH

D.) Communityfest summary - Bernie N9YMC

E.) EAA report - Jon AB9AH or Bernie N9YMC (Signup sheet available)

F.) July 21st Brat Fry – Karen WB9ZNA

G.)

New Business:

A.) JOTA Chairperson needed – Contact Frank N9LT if interested

B.) The club has 1 ½” PVC and a Tri-band HF Beam for sale (PVC is free), See Frank N9LT

Hal Report: Andy N1KSN – Club HF radio report and intro to feedline losses

Committee Reports: Rick, W9RIC – Repeater Committee Chairperson

Announcements:

WIQP results at www.warac.org – FCARC finishes 3rd place in club competition!!

“Bitten by the bug” Field Day pins are still available. Contact N9YMC or Tom N9UY

Next month we gather at Sunset Park for the August 19th corn roast (no meeting)

A 501C3 meeting will be attended by Frank N9LT and Karen KC9BMH on July 20th

Adjourn: (Accepting a motion to adjourn) N9LVS (2nd) AB9IO (V: M)

• Membership Renewal Reminders

As a reminder only—following is a list of the membership renewals coming up this month and the following few months. If you have already renewed—thank you. If not, you can renew with Karen (KC9BMH) at the next club meeting.

- 7/1/2007 N9LSG
- 7/1/2007 N9LVS
- 7/1/2007 KC9DMM
- 7/1/2007 W9RAG
- 7/1/2007 N9YMC
- 7/1/2007 WA8HBE
- 7/1/2007 KK0I
- 7/1/2007 KB9JGW
- 7/1/2007 KB9JGX
- 8/1/2007 W9SJZ
- 8/1/2007 W9OP
- 8/1/2007 W9PIP
- 8/1/2007 KC9JRH
- 9/1/2007 KC9GVM
- 9/1/2007 KB8MCZ
- 9/1/2007 KG8RF
- 9/1/2007 WB9OJE
- 9/4/2007 K9IY
- 10/1/2007 KC9DEE
- 10/1/2007 N9LT
- 10/1/2007 KC9FSH

Elmer's Contact List

This is a listing of HAMS who are willing to help other HAMS out in special areas. Feel free to contact these fellow HAMS with any questions:

Call / Name	Specialty Area	Phone #
N1KSN– Andy	CW	720-0617
W9ZC– Bob	Tech. Code	725-7974
N9OEQ– Chuck	HF & VHF Digital Modes	788-5497
N9TNW—Bill	HF & Satellite	739-6827
N9LVS—Dan	FCC Personal Data Changes	205-4899

FOR SALE

WW2 vintage receiver, RBK-1, the Navy version of the Hallicrafters S36-A. Appears to be early 1940's vintage. WORKS. Covers from 40MHz through 2M. Contains heavy iron and will require two people to move it unless you want to risk a hernia. \$75 firm. Walt, WA9FFT, 731-9790.

FOR SALE

9913 low-loss coax
 I have 1,000' of 9913 low-loss coax for sale. Perfect for VHF and UHF applications. Loss is rated at 2.6 Db on 400 Mhz per 100'. It is not hardline – but it is also not at hardline prices!
 Cost only .50 per foot.
 Contact Bernie (N9YMC) at n9ymc@arrl.net

Have something Ham related to sell? If so, contact Mike (N9IAT) at mike@n9iat.com to arrange for it's insertion in the next issue of this newsletter. We will run it in the newsletter and on-line at www.fcarc.us

•Upcoming Events

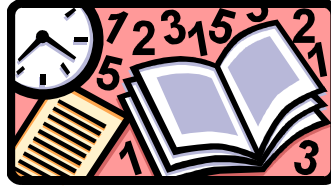
VE Testing Dates

Interested in Amateur (HAM) Radio? Need to upgrade your license? The FCARC can help you with both of these.

With the exception of the November test date, all testing is done at the Red Cross Building at 1302 E. Wisconsin Ave. in Appleton. Test check in is from 8:00 am until 8:30 am. The cost is \$14.00.

Here are the dates for 2007:

November 14, 2007



Thursday 6 Meter Net

Day: **Thursday**

Time: **8:00 pm**

Frequency: **52.570 FM**

If you would like to be a net control please contact Frank N9LT

•Upcoming Events

Sept 8 , 2007	ARRL VHF QSO Party
Sept 10 , 2007	Board of Directors Meeting
Sept 17 , 2007	General Membership Meeting
Oct 6 , 2007	Wiouwash

Wednesday 2 Meter Net

Net Control Operator schedule

Sept 12	AB9IO
Sept 19	KG8RF
Sept 26	KC9IZF

Fox Cities Amateur Radio Club (W9ZL) invites everyone to tune in on Wednesday evenings at 7:30 PM on 146.76/R 100hz PL to hear the *Newsline* broadcast.

Then stick around to check into the net immediately afterwards. This is an open forum net and anything can be discussed, including; technical questions, equipment review and for swap and for sale items.

Join me in welcoming the following new members to the club!

Renewed Members:

Jack Hill (KK0I), Fred Kulick (KC9HCI)

GO TAKE A HIKE!!

And monitor the Wilderness Protocol Frequencies

It's hard to believe, but in a very few weeks, the leaves will be turning on their fall displays. Soon the parks and hiking trails will be full of leaf-hoppers (fall color tourists) from all over.

If you're out and about "up Nort" in the tall timbers, please monitor the National Calling Frequencies of 146.520 primary, or 52.525, 223.5, 446.0, and 1294.5 as secondary frequencies. These frequencies are suggested by the ARRL as the "Wilderness Protocol" frequencies to facilitate communications between hams that are hiking or back packing or just out of repeater coverage. However, it is suggested that everyone not in repeater covered areas, or if in areas of unknown repeater frequencies should monitor the Wilderness Protocol Frequencies. The system works best when more people use it.

The Protocol recommends that stations should monitor on the primary (and secondary if possible) frequencies every three hours starting at 7:00 AM local time for 5 minutes. (7:00 to 7:05 AM, 10:00 to 10:05 AM thru 10:00 PM). Priority transmissions should begin with a Long Tone Zero (LITZ). CQ like calls should not take place until 4 minutes after the hour. Stations with ample power reserve should monitor for 5 minutes at the top of every hour. This can be very important as a lost bearded somewhat overweight fisherman whose GPS batteries went dead may be calling for directions in the Park Falls area.

During a hiking trip on the Pacific Crest Trail, with 3 hams and 10 Boy Scouts, we heard and had some interesting contacts using the Protocol. Just off shore, many boats were on frequency and we contacted a couple right after the 5-minute monitor period. They promised us weather updates and support if needed. On several trips in Western states, on long quiet stretches of Interstate 80, we found many people on .520' happy to have a QSO instead of programming in numerous repeaters for the trip. You'll find a lot of "air mobile" stations in ultra-lights, general aviation and occasionally a military transport with hams on board on frequency too.

146.520 is a protected frequency and ARRL rules prohibit contesting on it or adjacent guard frequencies. You can find out more Wilderness Protocol in the front of the ARRL Repeater Directory of which I blatantly copied most of this information from. More information is available in issues of February, April, and May 1994 QST, and the ARRL General Rules of VHF contesting.

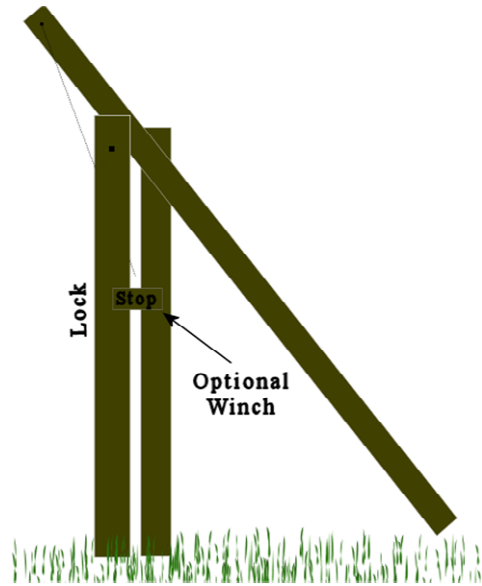
Hope to see or hear you on the trails!

Stan K9STN

The aesthetic 4 x 4 tilt-over tower for your backyard

By: Frank Livermore, N9LT

There comes a time in ever ham's life when he or she just wants to get an antenna off the ground. They, or their spouse, object to the many multiple gunshot wounds that come with years of pounded nails in the house. Fortunately there are ways to construct a nice looking tower out of treated or cedar 4 x 4's. This wood can then be stained to match existing décor of the exterior of the home.



This tower is also able to fold over to the ground to allow servicing, a real plus if you're the experimenter. This project is easy, inexpensive, and reliable. It is not very high however and would likely max out at less than 20' (depending on the antenna load). Other uses of this tilt-over tower could include the support of wire-type antennas.

The depiction to the left is a basic overview of what the structure would look like in "service mode". To separate the two base 4x4's properly use an old 2x4 and screw it (on end) to each 4x4 being set into the concrete. This would set the width of the 4x4 you'll place between them later.

After your concrete has set you can remove the screws and place the tower part of the 4x4 between the base pieces. Place a length of anything structurally sound underneath your tower 4x4 piece (so you don't have to hold all of the weight). Drill a hole the diameter of whatever is to be your hinge pin. Be sure to go all the way through and ensure there is no way for it to come out.

At this point you can swing your 4x4 tower up and down...both ways. You'll want to choose a direction for it to fold over and place a stop to avoid accidentally pushing it over to the other side thus destroying what was on your tower! Then choose a way to lock it in place. I chose a gate lock that has the ability to be locked with a padlock. Optionally you could place some sort of a winch to help you hoist it up. Feel free to place bird feeders and such to add to its aesthetic charm.



This project is an easy way to get those antennas in the air with something that may be more appealing to the eye. Below is a general checklist of what you'll need to finish the job. Good luck!

<u>Material List</u>		<u>Tools Needed</u>
Treated or Cedar 4 X 4 (choose your length)	3	#2 Spade shovel or post hole digger Drill, drill bits, Phillips bit Saw Level Brush for staining Hammer
10" Stop (any strong material)	1	
80lb Bags Quikcrete Cement	3	
Water (per concrete mixing instructions)	-	
Screws - Temporary	-	
Locking Mechanism	1	
Stain	-	

J.O.T.A. - Jamboree On The Air Oct. 20 & 21



What is JOTA?

When Scouts want to meet young people from another country, they usually think of attending a World Jamboree. But few people realize that each year more than 400,000 Scouts and Guides "get together" over the airwaves for the annual Jamboree-on-the-Air (JOTA). Modern technology offers Scouts the exciting opportunity to make friends in other countries without leaving home.

JOTA is an annual event in which Boy and Girl Scouts and Guides from all over the world speak to each other by means of Amateur (ham) Radio. Scouting experiences are exchanged and ideas are shared via radio waves. Since 1958 when the first Jamboree-on-the-Air was held, millions of Scouts have met each other through this event. Many contacts made during JOTA have resulted in pen pals and links between Scout troops that have lasted many years.

With no restrictions on age or on the number of participants, and at little or no expense, JOTA allows Scouts to contact each other by ham radio. The radio stations are operated by licensed ham radio operators. Many Scouts and leaders hold licenses and have their own stations, but the majority participates in JOTA through stations operated by local radio clubs and individual radio amateurs. Some operators use television or computer-linked communications.

When

JOTA is held the third weekend in October of each year. JOTA takes place nationally starting Saturday at 0001 hours local time to Sunday, 2359 hours local time, though some activity continues over from Friday to Monday to take advantage of long distance (DX) time differences.

The FCARC has reserved Sunset Parks No.1 Pavilion in Kimberly for Saturday October 20 and Sunday October 21st. Our planned operating hours will be from 8:00AM to 4:00PM with 1 hour reserved operating time slots. Scout leaders with larger groups of youths may and are encouraged to reserve more than 1 time slot. The FCARC will provide hot chocolate, snacks and /or hot dogs as time permits.

How Do You Take Part?

Contact the FCARC by means of this web site, use the "Contact the FCARC" on the left side navigator selection and complete the JOTA form. The website address is www.fcarc.us.