



# The Feedline

“W9JZ – SERVING AMATEUR RADIO SINCE 1933”

Volume 27, Number 8

## Club Information

### 2006 FLARC Officers

Frederick Baguhn W9GOC - President  
John Steffi WZ9I - Vice President  
Gary Muskat KA9SRM - Secretary  
Don Michalski W9IXG - Treasurer

### Board Members at Large

Steven Elliott, W9RAL  
Dan Lautenschleger, AB9ME  
Doug Ward, W9DCQ

### CALENDAR OF CLUB EVENTS, etc.

Our club meetings are held the third Tuesday of the month at the Red Cross building in Madison, 4860 Sheboygan Avenue. Regular meetings start with the business meeting at 7:30 PM, followed by the program unless otherwise noted. Times and location are subject to change, with prior notice.

### Saturday morning “Zilch” locations

- The Eastside Zilch (ham breakfasts) are at 7:30 AM at the Green Lantern on the west end of Siggelkow Road in McFarland.
- The Westside Zilch is at 10:00 AM at Village Green at 7508 Hubbard Ave. in Middleton. See you there.

### Madison Area InfoNet

Thursday evenings on 147.15 at 8 PM; 146.76 is the backup frequency. Traffic and check-ins are welcome.

### Madison Ham Web Page

Website is at <http://www.gsl.net/flarc>. Keep checking the links page for new goodies!

### Meeting dates and programs

- August meeting - August 15, 2006 at the Red Cross parking lot, 7:00pm. IT IS THE FOX HUNT NITE.
- September meeting - September 19, 2006, 7:30 pm, and place to-be-determined. We shall let you know.

## The Prez Says

Greetings to all!

Thank you to all who attended the July general meeting at Space Place, 2300 South Park Street (instead of our usual Red Cross location). Thanks to the efforts of W9DCQ, W9CAR and especially Tom Thompson, W0IVJ, we were treated to an interactive demonstration of Software Defined Radio. W0IVJ is an early-adopter of this state-of-ham-radio technology which closely marries computers and their number-crunching Digital Signal Processing strengths with an RF interface, letting one work stations from the comfort (?) of your computer instead of having to turn those old-fashioned knobs on the front of the radio.

We saw radio parameters being adjusted on the computer screen and heard the changes in the signal, and the radio was in Colorado and we were in the basement on Park Street! This technology makes an elegant way to manage a remote HF station - - no doubt a boon to folks chaffing under antenna restrictions - - and the ‘skins’ idea of Software Defined Radio and the open-source cooperation among the early adopters makes it possible to have a ‘new radio experience’ by just installing an updated version of the radio interface software.

The room confusion at Red Cross was elegantly resolved for us this time through the generosity of K9REO, W9IXG and the cooperation of the UW Space Place, who generously shared the facility in our time of need. Which leads us into my next topic - -

After viewing and enjoying the Space Place facility for our July meeting, those FLARCians in attendance thought it might be nice if Space Place were to become our REGULAR meeting venue (instead of trying to squeeze into the high-demand Red Cross facility). Space Place is

agreeable - - and as mentioned, those in attendance at the July meeting see merit. However, not everyone made it to the July meeting.

So, we will also be holding the September FLARC meeting at the Space Place facility, and I hope that more of the FLARC members will visit so they, too, can form an opinion on the venue and voice their opinion on the possible change of our regular meeting location. Moving the meeting location does NOT necessarily change our working relationship with Red Cross - - we are discussing a change of meeting location, only. Come to the September meeting, form your opinions and be heard on this topic!

#### Upcoming events:

- This Month, our General Meeting will be replaced by the annual FLARC Fox Hunt - - please plan to be at Red Cross by 7:00 PM (instead of our usual 7:30 time) with your DF gear at the ready. Rules are as last year, and will be found in all their glory elsewhere in the Feedline.
- September 16<sup>th</sup> is a Scouting Camporee at Token Creek Park; FLARC will be providing a station and some operators to introduce the Scouts to the magic of Ham Radio. [Contact Steve/W9RAL for details and to offer your services as a participant, either on-site or as a friendly over-the-air QSO partner]
- (I am not yet announcing the featured topic of the September meeting - - discussions are still in progress with our potential speakers).
- The 3<sup>rd</sup> weekend in October is the Scouts Jamboree On The Air - - this is again becoming a FLARC tradition, and is another chance for you to show off ham radio to a receptive audience.

Preparations are beginning for the FLARC Holiday Party in December - - reserve 5 December on your calendar, and polish up your CW skills! [I wonder what THAT means?? Details to follow...]

73, Frederick

## News and Stories

### CONGRESSMAN, ARRL APPEAL TO FCC TO ACCOMMODATE BPL INTERFERENCE CONCERNS

US Rep Mike Ross, WD5DVR (D-AR), and the ARRL have appealed to the FCC to accommodate the Broadband Over Power Line interference concerns of Amateur Radio operators. Ross's letter to FCC Chairman Kevin J. Martin and the League's plea to individual commissioners and a face-to-face meeting with one FCC member come in advance of the Commission's consideration of two significant BPL-related actions.

"As you reconsider the BPL rules, please accommodate the very reasonable interests of Amateur Radio operators in avoiding interference in residential and mobile deployment," Ross asked Martin. "It is in the best interest of our emergency preparedness efforts to do so."

The FCC will meet in open session Thursday, August 3, to consider the United Power Line Council's Petition for Declaratory Ruling (WC Docket 06-10) regarding the classification of BPL Internet access service as an "information service." The FCC also will consider a Memorandum Opinion and Order in response to petitions for reconsideration -- 17 in all, one from the ARRL -- of the rules that apply to BPL systems (ET 04-37).

In letters to each FCC member on the League's behalf July 26, ARRL General Counsel Chris Imlay, W3KD, spelled out what he called "a win-win solution" to the BPL interference issue. "Fortunately, as the result of extensive field studies and measurements conducted by ARRL, the Commission has an opportunity now to fix the rules before BPL deployment becomes widespread," Imlay said, "and before interference becomes an impossible enforcement burden and a substantial threat to the public service, emergency and disaster relief communications provided by the Amateur Service."

Imlay asserted the FCC does not have to choose between permitting BPL and protecting licensed radio services. The FCC only needs to do two things: Require that BPL providers only utilize frequencies above 30 MHz on overhead medium-

voltage power lines, and make no use of Amateur Radio spectrum on underground lines and lines to customer premises. If the Commission does, Imlay said, any remaining interference issues "become manageable on a case-by-case basis."

Imlay explained that BPL systems using DS2 chipsets or Main.net architecture have caused untenable instances of harmful interference to Amateur Radio operators. "Unfortunately, the Commission's Enforcement Bureau has been unresponsive in addressing a substantial number of BPL interference cases," he said.

"By notable contrast," Imlay continued, BPL systems that don't make use of HF spectrum on overhead lines avoid interference problems. He pointed out that the Current Technologies BPL system, which uses spectrum above 30 MHz, "has proven relatively benign toward Amateur Radio." The Motorola BPL system makes no use of HF at all on medium voltage lines "and is completely benign toward Amateur Radio," Imlay said.

In his letter, Ross noted that Amateur Radio was "instrumental in providing interoperability communications in the aftermath of hurricanes Katrina, Rita and Wilma last year." Infrastructure-free long-distance communication is provided "on a volunteer basis and cannot be duplicated," the congressman told the FCC chairman.

In their respective communications, Ross and Imlay emphasized that Amateur Radio operators are not opposed to BPL per se. They are opposed to interference and to the rules the FCC adopted in 2004 that "did not do anything to prevent inevitable, harmful interference from BPL systems" that employ HF spectrum on unshielded, overhead medium-voltage lines, Imlay said.

"This is the crux of the problem, and it is a very substantial one," Imlay maintained.

Earlier this week, Imlay was able to meet with FCC commissioner Robert McDowell and members of his staff to express Amateur Radio's concerns about interference problems the current Part 15 rules governing BPL fail to adequately address.

"The Amateur Radio Service and ARRL -- the National Association for Amateur Radio needs your

support in arriving at a solution that meets the needs of all interested parties," Imlay concluded.

[From the ARRL Letter; Vol. 25, No. 30; July 28, 2006]

## ***MARS TO SUPPORT US TRANSPORTATION SECURITY ADMINISTRATION IN EMERGENCIES***

Amateur Radio operators who are members of the Military Affiliate Radio System (MARS) will provide back-up communication for the US Transportation Security Administration (TSA) under a formal agreement announced in July by Army MARS Chief Kathy Harrison, AAA9A. Protecting airports during the hurricane season will be the immediate focus, she said, adding that the new MARS-TSA collaboration "is likely to expand to other Department of Homeland Security (DHS) areas" in the future.

"This is an extensive area and will require member support across the continental United States," Harrison said in a broadcast announcement to Army MARS participants. "We will need many volunteers to man teams assigned to specific geographical areas, starting with airports throughout the hurricane corridor." She called for "physically capable" Amateur Radio operators to volunteer for the assignment.

The first airport emergency support teams will be located at four airports in the Florida hurricane belt: Miami, Ft Myers, Jacksonville and Pensacola, Harrison said. She added that recruiting will immediately follow for nine additional potential hurricane targets from Washington, DC to Houston. In a later phase - but as soon as possible - additional teams will be recruited for other hurricane locations including Puerto Rico and the Virgin Islands, and after that, the remainder of the continental US.

The emergency support teams - each consisting of four members of MARS - are being assembled under joint sponsorship of MARS and the TSA, with deployment assignments determined by the TSA when and if the government's communication systems fail. "Volunteers should be within a reasonable traveling distance to the airport. It will be their responsibility to get to the site when

activated," said Harrison.

The Memorandum of Understanding, which is already in place, calls for using MARS networks, personnel and equipment to maintain communication during the first 72 hours of incidents involving aircraft, mass transit and pipelines. Seventy-two hours is considered the maximum time needed for federal response organizations to deploy internal emergency communication systems.

The MoU spells out the most extensive MARS support mission since the development of the Essential Elements of Information (EEI), which date to the 1994 Northridge earthquake that devastated parts of California's San Fernando Valley. EEIs are alerts to the Pentagon of a natural disaster or other incident that might require a federal response.

In a memo to MARS personnel, Harrison included the following points:

- The Navy-Marine Corps and Air Force MARS organizations are included in the call for volunteers, via their separate chains of command.
- Army MARS state directors will be responsible for formation of the joint teams.
- All deployments will be by team, each with a combination of equipment and operator capabilities and members ready to work 12-hour shifts. Some locations may ultimately require more than one team.
- Required equipment for each team will include HF and VHF radios with voice and digital capability, Pactor/Airmail digital messaging, phone patching and emergency power.
- Some locations may have TSA radio gear and emergency power supply to augment the hams' personal equipment.

A particular MARS responsibility will be to provide communication interoperability with local, state and national networks, such as the Radio Amateur Civil Emergency Service (RACES) and Shared Resources (SHARES). A separate web of national and regional HF radio networks, SHARES links federal agencies under the DHS's National Communications System (NCS), of which MARS already is a primary participant.

The pact calls for a reliable back-up solution "to ensure the continuity of TSA's command and control function during the first 72 hours following any incident interfering with normal communications channels and to provide local, regional and nationwide TSA communications during that time." The existing Army MARS emergency communication network offers such a solution immediately and at no additional cost to the TSA, the MoU points out.

Under the MoU, the TSA agrees to provide MARS volunteers with access to its facilities and space for radio equipment. It further agrees to integrate MARS capabilities into its emergency planning and exercises. The Army's commitment includes providing "volunteer MARS radio operators, equipment, and use of the MARS radio networks" and developing "alert procedures and a communications support plan" that "will identify specific frequencies, call signs, and radio operator level duties." Harrison stressed that the decision to volunteer rests with the individual. "The Army has no liability over a member who reports to a disaster site; members will be responsible to TSA personnel."

Harrison told the Army MARS membership that she's "very excited" about the new agreement. "This will be a fast-moving recruitment/development action, and I request your support in filling these teams."

The chiefs of Air Force and Navy-Marine Corps MARS also are onboard with the new agreement and have messaged their respective memberships to signify their participation and cooperation with Army MARS. Air Force MARS Chief Don Poquette, AGA3C/KE9XB, has pledged his members' support. "AF MARS will assist to accomplish this mission," he said, pending working out logistical details.

Harrison says she and her headquarters staff met recently with TSA and DHS representatives to formalize the details of the cooperative arrangement. She said MARS area coordinators will provide specific requirements to state MARS directors to recruit members and equipment capabilities to support TSA.

Signing the MoU on behalf of the Army was Col

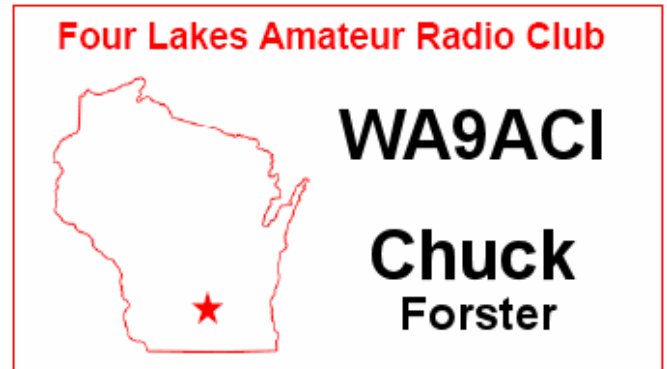
Mary Beth Shively, chief of staff, Network Enterprise Technology Command/Ninth Army Signal Command. James Schear, General Manager, Operational Plans and Programs, endorsed it for the TSA. Headquartered at Ft Huachuca, Arizona, the Ninth Army Signal Command oversees the Army MARS mission. -- Bill Sexton, N11N

[From the ARRL Letter; Vol. 25, No. 33; August 11, 2006]

- KC9HDY - Daniel Grim
- 14 KC9GPG - Carol Steffi
- 16 W9WUU - George Shands
- 22 KC9AOG - Pierre Munson
- 23 KOZYA - John Steffi
- KG9NI - Ernest Stracener
- 29 KA9VHG - Jim Anderson

## "WE HAVE BADGES!"

Yes FLARC has engraved club badges.



This is the design and you can order yours using the form at the back of *The Feedline* newsletter.

## Four Lakes Club Items

### FOX HUNT IS AUGUST 15<sup>th</sup>

Remember, the Annual FLARC Fox Hunt will be held on August 15th, so start now to get your fox "shooting" skills in order so you can beat the rest of the hunters. Remember that the biggest "gun" doesn't always win. It starts at 7:00 pm at the Red Cross Parking Lot.

### FLARC Treasurer's Report

The FLARC treasurer reports not available at time of publication.

### Buck Nite Winner at FLARC

The Buck Night Winner was not available at time of publication.

### Member Birthdays

#### August:

- 08 KC9DSW - Mark Sullivan
- 09 K9WAJ - Wayne A. Jorgensen
- 16 NO9M - Dave Rece
- 20 KC9ASI - William Baguhn
- 21 WN9GOC - Elizabeth Baguhn
- 22 N9YON - Sue Wigdal
- 23 W0ZNM - Ade Gardner
- 24 WI9WI - Jim Fitzpatrick
- 26 K9SAM - Marylynn Franzen

#### September:

- 03 W9RAL - Steven Elliott
- 05 KB1FMA - Frank Bolding
- 12 WB9RNJ - Paul H. McFEE
- 13 KG9FL - Gary Dennis

### VE Testing Program

The Four Lakes Amateur Radio Club of Madison, Wisconsin sponsors a monthly VE testing program at the University of Wisconsin Space Place, 2300 South Park Street, downstairs on the lower level, in the Villager shopping center complex (located in the middle of the shopping center).

Exams are given the first Saturday of the month. Holidays included. Doors open at 8:00 AM, and we hope to have all exams completed and graded by 10:00 AM. Testing is also available to all candidates on Sundays after the Ham Training classes, which are offered three times per year, and after the spring MARA Swapfest.

We offer special accommodations for testing to those with alternate abilities. We require some advance warning on the nature of the accommodations you will need, e.g., an exam reader, visual code, etc. Other than that no reservations are necessary. Walk-ins preferred. Try to arrive at 8 AM or shortly thereafter.

UW-Space Place is located at 2300 S. Park Street, lower level, in Madison, WI. Watch for the Park Street, highway 151 north, exit from the Beltline which is highway 12 & 18 - UW-Space Place is approximately 1/2 mile north of the Beltline, and will be on your left

as you head toward the heart of town just past McDonald's. That landmark is more identifiable than the Space Place signage. The Villager shopping center's 2300 S Park Street is the middle of the first parking lot past McDonald's. The UW radio club's BARS repeater, 146.685, pl 123.0, is used for talk in before the start time of 8 AM. Testing is in the lower part of the building in the Space Place class room. Look for signs when you enter the building.

Things to bring:

- Photo ID or two other forms of identification; If you have another FCC license (for example, GMRS) in your name, please bring your Federal Registration Number as it is used by the FCC's Universal Licensing System. (If you have no such license, your Social Security number will serve as an interim identifier until your FRN is generated.)

If you have a current amateur radio license, please also bring:

- The ORIGINAL license and ORIGINALs of any CSCEs which should be considered (both returned to you after inspection), and
- a photocopy of the license and CSCEs (sent with your application to the ARRL VEC) \$14.00 exam fee, preferably as a check or money order made payable to ARRL/VEC

Things NOT to bring:

- A fancy programmable calculator. (the calculator must not have memories, or the memories must be cleared before you use it on the test. This includes clearing the PDA or cell phone memories, so those would not be good choices to use for a calculator.) Simple calculators are provided for your use.

73, Sam Rowe KG9NG acting coordinator  
E-mail: KG9NG@arrl.net  
608 246-8582, 24-hour machine.

## Programs for FLARC Meetings

We need lots more ideas and topics for programs to present at our meetings. So let us hear from you. Send your ideas to Frederick, W9GOC, or to any of the FLARC Board Members. Thanks for your support.

## FLARC Web Site

The FLARC URL is <http://www.gsl.net/flarc> . If you see any errors, please let Steve Elliott, W9RAL know, e-mail: [w9ral@aol.com](mailto:w9ral@aol.com) .

## Elmers

If you are interested in being an Elmer, one who helps newcomers get started in ham radio, we would like you to contact FLARC. Our coordinator for our Elmer Program is Ralph, W9CAR who can be contacted at 231-9195 or 212-7300. Let us all get involved in helping others become better amateur radio operators. *BECOME AN ELMER!*

## Mission Statement

The Four Lakes Amateur Radio Club

The Four Lakes Amateur Radio Club (F.L.A.R.C.) is a non-profit, general interest club that exists to promote the growth and enjoyment of Amateur Radio in South-Central Wisconsin. The club's mission is to encourage new operators, enhance the skills and interests of those already licensed and to provide communications in the event of disasters or other emergencies. To accomplish this mission, F.L.A.R.C. will:

- Schedule regular meetings with informational programs and the opportunity for informal fellowship.
- Publish a monthly newsletter for the membership.
- Sponsor training classes.
- Sponsor Volunteer Examinations.

*The Feedline* is the regular monthly newsletter of the Four Lakes Amateur Radio Club (FLARC). The editor for *The Feedline* is Steve Elliott, W9RAL, and can be contacted at (608) 345-2286 or e-mail: [w9ral@aol.com](mailto:w9ral@aol.com) .

## Wisconsin Items

### Wisconsin Section News

Keep in touch with the ham action in Wisconsin by going to the Wisconsin section website:  
<http://www.arrl.org/sections/?sect=Wl>.

73, Don, W9IXG, Wisconsin Section Manager

### Awards Checkers

*Checker* for the WAS Award is Gari, NG9V. When you are ready, just contact him; he'll be glad to do it, 608-221-2022 or [gberliot@ameritech.net](mailto:gberliot@ameritech.net) .

*Checker* for the VUCC awards is Richard, K9APW. Contact him at 608-833-0011 or [k9apw@arrl.net](mailto:k9apw@arrl.net).

## *13<sup>th</sup> Annual Madison-Milwaukee Area Radio Get Together*

You are invited to the Thirteenth Annual Madison-Milwaukee Get-Together for DXers and Radio Enthusiasts

### **Where:**

The home of Neil and Laura Kazaross, 1380 Lake Shore Road, just east of Grafton WI. The view of Lake Michigan is breathtaking!

### **When:**

Saturday, August 19, 2006, from 1 p.m. until 11 p.m.

### **Directions:**

Drive to I-43 into Ozaukee County (just north of Milwaukee).

Take Exit 92, which is Hwy Q or Ulao Road, and go east 1.4 miles.

Then turn left/north on Lake Shore Road and go 0.4 miles watching for the two green mailboxes and 1380.

Turn in to the right, and park along the circle drive (partially on the grass so people can get by) as long as there is room. There's more space when that is full.

Here is a Mapquest map:

<http://www.mapquest.com/maps/map.adp?searchtype=address&country=US&addtohistory=searchtab=home&formtype=address&popflag=0&latitude=&longitude=&name=&phone=&level=&cat=&address=1380+Lake+Shore+Road&city=Grafton&state=WI&zipcode>

### **Lodging:**

The Kazarosses do not have accommodations for people to stay overnight. Please contact us if you need motel information.

### **Agenda:**

Nothing formal at all. This is a chance to have fun, exchange ideas, make new friendships, and renew old ones. If you like, bring along radios, antennas, stickers, QSLs, photos, or any show-and-tell items. Be sure to bring your camera for our annual group photo. Neil plans to set up a BOG (beverage on ground) antenna, and shortwave listeners are welcome to bring equipment and wire to erect antennas if they wish to listen, since there are many trees that could be used as supports.

**We will provide:** soda, beer, and snacks. You are welcome to bring food or drink for your own

consumption and to share, but please feel no obligation.

### **Dinner:**

We plan to go out as a group around 5:30. After dinner, everyone is invited back to the house.

The dinner will be at The Charcoal Grill

<http://www.charcoalgrill.com/>

which is conveniently located on Ulao Road (Hwy Q) just west of the interstate, on the south side of the street just past Target.

### **RSVP:**

Please be so kind as to respond to this invitation, whether or not you would like to attend, to allow us to anticipate how many people to expect.

Please contact us, preferably more than a week before the event, using the most convenient method,

Tim Noonan

8756 S Country Drive, Apt 102

Oak Creek WI 53154-7521

414 762-2702 (answering machine)

[DXing2@aol.com](mailto:DXing2@aol.com)

73, and we hope to see you in August.

## *For Weather Net Folks*

The Wisconsin-based Badger Weather Net is held every morning on 3.985 MHz, between 0500 and 0715 local time.

## *For Sky Warn Watchers*

If the weather gets active in the Dane County/Southern Wisconsin area, you may want to follow the action on 444.375MHz.

The Milwaukee Area Skywarn Association (storm spotters) webpage has a state-wide list of frequencies used for severe weather reporting.

<http://www.mke-skywarn.org/~svoros/radio.html>.

## *Announcing the Northern Illinois Digital Ham Yahoo Group*

Illinois Digital Ham. This group is dedicated to the discussion & development of amateur / ham radio use of digital voice & data communication techniques utilizing D-STAR, APCO P25, packet, HSMM/Wi-Fi, etc.

Join the group to exchange ideas & information and learn about operating the digital modes in Northern Illinois.

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

73, Mark, WB9QZB

## ARRL Items

### *W1AW 2006 Spring Operating Schedule*

The W1AW Operating Schedule may be found on the web at, <http://www.arrl.org/w1aw.html> .

### *Swain's Island, KH8, added to ARRL DXCC List*

With the addition of Section II, Criteria Rule 1c) to the Political Entity criteria, certain former separation entities may now qualify as Political Entities. One such entity has been determined to be American Samoa. American Samoa is now a Political Entity for DXCC purposes.

As a result of the reclassification of American Samoa, and upon the filing of a request and substantiating evidence, and with the concurrence of the DXAC and the Awards Committee, Swain's Island has been added to the DXCC List.

Swain's Island, entity number 337, qualifies as the first separation entity from American Samoa, now a Political Entity. The distance between American Samoa and Swain's Island has been determined to be in excess of 350 km as required by DXCC Rules Section II, Paragraph 2, Section b). QSOs made with Swain's Island on or after 0001z, July 22, 2006 will count for DXCC credit. The prefix is KH8.

For additional information, including the DXCC Reference Number for Swain's Island, contact Bill Moore at the DXCC Desk at [dxcc@arrl.org](mailto:dxcc@arrl.org).

## WZ9I Scores Notice

Our own WZ9I, John Steffl, can be noted in the August 2006 issue of ARRL's QST magazine on page 70, under both the Public Service Honor Roll and the Brass Pounders' League. Congratulations John!

## Information Locator

### *Amateur Radio Web Sites*

MARA	<a href="http://www.qsl.net/mara">www.qsl.net/mara</a>
WAR	<a href="http://www.wi-repeaters.org">www.wi-repeaters.org</a>
MDXC	<a href="http://www.madisondxclub.org">http://www.madisondxclub.org</a>
N9MW	<a href="http://www.n9mw.com">http://www.n9mw.com</a> (DX-Cluster)
SMC	<a href="http://www.w9smc.com">http://www.w9smc.com</a>

Dane County ARES/RACES  
[http://groups.yahoo.com/group/dane\\_co\\_ares-races/](http://groups.yahoo.com/group/dane_co_ares-races/)  
(has a current listing of Public Service Events)

Note: The Wisconsin Association of Repeaters (WAR) site, <http://www.wi-repeaters.org/>, will provide a current list of all repeaters in the state of Wisconsin. You can get the list sorted by frequency, by city or by region. The list has the offset, tone frequency, availability of auto patch, emergency power, owner, if open and if it's associated with emergency nets.

The Madison DX Club is reported to work with Internet Explorer and not with some versions of Netscape. <http://www.madisondxclub.org>  
**Always check the website for information on the location of the next meeting.**

Other interesting sites are [www.qsl.net](http://www.qsl.net) and [www.qrz.com](http://www.qrz.com). There are many, many links to other sites, which promote things from antennas, antenna construction to software. Also [www.ac6v.com](http://www.ac6v.com) and [www.cpcug.org/user/wfeidt/index.htm](http://www.cpcug.org/user/wfeidt/index.htm) are full of links about ham radio. The latter is NG3K Amateur Radio Contest/DX page with the link ADXO, Announced DX Operations.

If you click on some of these URLs, they may not work and you will get an error message. They are OK if you type them into your browser.

Also, the ARRL Letter is a weekly update of amateur radio news, which can be found at: <http://www.arrl.org/arrlletter/> .

## *Badger Amateur Radio Society (BARS)*

For those of you who utilize the 146.685 MHz, p123.0 Hz (W9YT), repeater in the Madison area, the Badger Amateur Radio Society (BARS) is the group which operates this equipment. The BARS group is the student based organization of the University of Wisconsin, and is open to amateur radio operators who are students, alumni, or just involved in amateur radio. BARS meetings are the second and fourth Thursdays of the month, at 5:00 pm and 5:45 pm, respectively, in room 1055 ECB (Engineering Center Building).

Currently, the BARS Echolink® unit is off-line and not operational, due to questions concerning the operation of the simplex unit under FCC rules.

## *And Other New Topic Areas and Sections for The Feedline*

As our newsletter continues to develop and grow, we are always looking for topic areas and sections to add to our monthly writings. If you have any ideas, are willing to contribute to a topic area, or just have found some information you think amateur radio operators need to know about, let our editor know. You can contact Steve Elliott, W9RAL, at [w9ral@aol.com](mailto:w9ral@aol.com) or [w9ral@arrl.net](mailto:w9ral@arrl.net) .

## *Learn Morse Code*

Here is yet another location on the Web where you can gain information about Morse Code and get assistance with your learning. The website: <http://justlearnmorsecode.com/>

## *Your Novice Accent*

Try this site by Dan KB6NU, <http://kb6nu.com/your-novice-accent/>

## *QRP - A New Section*

QRP is a subject within amateur radio which has been somewhat "low key," or lacking power. (Sorry, I got a million of them.)

*The Feedline* is answering the call of QRP by introducing a QRP section in our Newsletter. So, calling all you QRP fans and operators, we need your assistance in bringing our new QRP section to life. We are interested in your stories, technical topics, references to articles you have seen or read, anything related and a part of QRP in

## *Technical Round-up*

### *Need Manuals or Tech Info for Your Radio?*

The following website has a lot of information for a very large number of amateur radios by many manufacturers.

<http://www.ham.dmz.ro/>

Give it a whirl the next time you need a manual, schematic, bulletin, or how to repair a problem.

## *Wisconsin Repeater Frequencies*

Repeater List (Booklet Format)

<http://www.wi-repeaters.org/Mar2006Listing.pdf>

Repeaters Listed by City, Region & Frequency in HTML & Text Formats

<http://www.wi-repeaters.org/warlst.htm>

WAR Band Plan

[http://www.wi-repeaters.org/war\\_bandplan.htm](http://www.wi-repeaters.org/war_bandplan.htm)

WAR PL Tone Plan Map

<http://www.wi-repeaters.org/wisctcssmap.pdf>

Cross Band Repeater Frequencies

[http://www.wi-repeaters.org/war\\_crossband.htm](http://www.wi-repeaters.org/war_crossband.htm)

WAR March Newsletter

<http://www.wi-repeaters.org/Mar2006Newsletter.pdf>

Minnesota Repeaters  
[http://www.mrc.gen.mn.us/MN\\_List.pdf](http://www.mrc.gen.mn.us/MN_List.pdf)

## High Frequency Electronics

Here is a great publication for those of you interested in the upper frequency world.  
<http://www.highfrequencyelectronics.com/>

## Ham Radio Propagation Tracking

For those who are interested in participating in ham radio propagation tracking you are encouraged to investigate PropNet. It's a very intriguing system using PSK31 & packet radio.

The founder of PropNet Ev, W2EV attended the ARRL/TAPR DCC (Digital Communications Conference) in Chicago in 1998.

There are links to PropNet along with dozens of other links & files on  
<http://groups.yahoo.com/group/illinoisdigitalham/>

PropNet Home Page  
<http://www.propnet.org/>

PropNet Group  
<http://groups.yahoo.com/group/PropNET-Online/>

### Description:

Amateur Radio based propagation tracking on LF, MF, HF, VHF, UHF and the microwaves. Participants answer the question, "If the band is open and nobody is transmitting, does anybody hear it?"

Join this ad-hoc PSK31 and AX.25 (!) network of propagation enthusiasts as they probe the ether for previously unknown openings; sometimes stumbling across long-forgotten (or yet to be officially discovered) phenomena.

Download the PSK31 software from either (1) this group's FILES area or (2) N7YG's website:

-->  
<http://home.earthlink.net/~propnetpsk/propnetpsk/index.html>

Stations can report what they hear via the

Internet (if they have it at their station)!  
--> <http://propnet.findu.com/>

### Most active frequencies:

PSK31: 28.131-MHz USB, 14.097-MHz USB, 50.291-MHz USB, 144.288-MHz USB  
AX.25: 28.128-MHz USB, 50.620-MHz FM, 147.585-MHz FM

The most popular frequencies are: 28.131 for PSK31 and 50.620 for FM.

## For Those Interested in TUBES

Here is a great site.  
<http://www.funwithtubes.net/>

## For Sale and Advertisers

### BUY — SELL — TRADE

**ATTENTION FLARC MEMBERS:** If you have amateur radio or computer items that you would like to BUY, SELL, or TRADE, you can do it in *The Feedline*. There is no charge for non-commercial advertising. Ads and continuations can be sent to Steve Elliott, W9RAL editor, [w9ral@aol.com](mailto:w9ral@aol.com), and will be posted for 3 months.

### FOR SALE

The following items are for sale:

- M-18, 50-foot, Glen Martin tower with a Hazer 6 tram system for antenna mounting.
- XP-70 Series Sommer antenna which appears to be a 706 model or 708 model.
- Miscellaneous feed line and tower guy wires.
- Antenna rotor (no current information on what unit it is, or whether it works).

Tower is located in Madison, Wisconsin, and further information can be obtained by calling Steve, W9RAL, at 608-345-2286. Proceeds from the sale of this equipment is being donated by the Family of Mas Iyama to the Big Project work in our area and supported by FLARC.

(Feb2006)

## FOR SALE

New In Box Barker & Williamson BWDS-1.8-30 stainless steel folded dipole. Used by governments world-wide. Great for both ham & shortwave radio. Covers 1.8 - 30 MHz CONTINUOUS, SWR under 2:1 & 30 - 54 MHz CONTINUOUS with an SWR of under 3:1 & rated at 2KW PEP SSB/CW.

Made of more durable stainless steel wire not the copperweld version. Popular Communications review article is attached or at:

<http://www.bwantennas.com/instr/PCJulyTechShowcase.pdf>

AES list price for stainless version of this antenna is \$374 plus shipping & Wis. Sales tax. (New part number is BWDS-90).

Make a reasonable offer. Email me or call me at 847-867-2774.

73, Mark, [WB9QZB@AOL.COM](mailto:WB9QZB@AOL.COM)

(Feb2006)

## FOR SALE

New in box Hy-Gain DX-88 HF Vertical covering 10/12/15/17/20/30/40/80m.

This is older stock originally made when Hy-Gain was owned by TELEX before MFJ acquired Hy-Gain. Current AES & MFJ new price is: \$370. I have KIT-160-88 add-on 160m kit new in box & it's new price is: \$190. I also have GRK-88 ground radial kit new in box & it's new price is: \$100 and RRK-88 roof radial kit which is also \$100.

I'm looking to sell these for a fair price. I can be reached by email at: [WB9QZB@AOL.COM](mailto:WB9QZB@AOL.COM) or phone at 847-867-2774. 73, Mark, WB9QZB. (April 2006)

## FOR SALE

Hey everyone. Here is a list of some equipment from the family of John Offerdahl K9XH, now a silent key. Please contact them with any questions. The equipment is at Rita's house near Mount Horeb, Wisconsin, and you may contact the family members below to arrange to see the equipment.

The equipment is as follows:

- Kenwood TS-820
- Icom IC-271H
- Icom IC-471H
- Kenwood TR-7950 (2) one has broken backlight.
- Kenwood AT-200
- Icom IC-W21AT with spare AA battery pack
- Kenwood SP-520 speaker
- Kenwood SP-820 speaker
- Kenwood KPS-12 power supply
- Astron RS-35A power supply
- Larson NMO 2/70 antenna with Larson NMO-MM mag-mount

Eric Offerdahl KB9NAL  
414-271-1491  
[wolf359@gmail.com](mailto:wolf359@gmail.com)

Rita Offerdahl  
608-767-7790  
[n9ezx@execpc.com](mailto:n9ezx@execpc.com)

(May 2006)

## FOR SALE

Badger Amateur Radio Society has a LOT of tubes for sale, and you can get a copy of the Tube List from them by sending a self-addressed, stamped envelope to:

Badger Amateur Radio Society  
1415 Engineering Drive  
Madison, WI 53706

## FOR SALE

Equipment is for sale by Mark Mullen, W9MIM. The equipment is owned by Jim Hickey who let his license laps and has no further use for the items listed. Mark volunteered to sell the equipment for Jim and all transactions must go through Mark. The prices are what they are going for on e-bay. Contact Mark via his e-mail address or via the post office W9475 Stone Ledge Rd, Beaver Dam, WI 53916. His phone number is 920-887-8781. The equipment is in excellent shape but hasn't been used for quite some time. NOTE: If you are interested in the tower and the Tailtwister rotor, the KLM KT-34XA Triband beam antenna goes with it. All equipment is priced to sell. Here's a chance to get a good deal and all is right here in Beaver Dam.

- TRI-EX CRANKUP TOWER 54FT MODEL # LM354 & TAILTWISTER ROTOR \$1250
- KENWOOD TS530S \$250
- HEATH KIT TUNER SA 2060 \$275
- DIAMOND-SX-100-SWR&POWER METER \$50
- MFJ ELECTRONIC KEYSER PADDLE \$75
- 35 AMP ASTRON POWER SUPPLY WITH METERS \$100
- KENWOOD MULTIBAND JUST HAS 2M AND 440 TM741A \$250
- MFJ DELUXE VHF/UHF PEAK READ SWR&WATT METER \$40
- KLM KT-34XA TRI BAND ANTENNA GOES WITH TOWER
- MFJ 300 WATT DRY DUMMY LOAD \$40
- HTX-10 METER TRANCEIVER \$75
- KENWOOD TH-215A HANDY WITH SPEAKER MIKE \$80
- KAM PLUS \$50
- KENWOOD-TM-241A MOBILE 2 METER \$100
- KENWOOD SP-230 SPEAKER \$75

(May 2006)

## Advertisers

The club is always looking for advertisers for our club. This helps defray the cost of the news letter some. If you have a candidate(s) in mind; see Don or any board member for details. It is a good way for some business to get exposure and help the club out. It isn't very expensive at all. Contact Don Michalski, W9IXG or Frederick Baguhn, W9GOC.

**Ham  
University**

**CW!**

**Tech!**

**General**

**Extra!**

### The Ham University

Ham University is the premier Windows program for helping you pass your FCC Exams. Ham University contains all the questions for all *three* FCC written exams. You can browse the questions, quiz yourself on your weak areas, or set yourself a mock exam. Ham University provides you with *three* ways to learn Morse code. First there are formal lessons which introduce the code one letter at a time. Then there are exercises, a set of typical transmissions to practice on (you set the speed). And finally there is *Pentode*<sup>®</sup>. This highly motivating game (inspired by *Tetris*) makes acquiring the code effortless. New Technician Class now available. Requirements: You will need a PC with a 386 or higher running Win95, Win98, Win-ME, WinNT, Win2000 or WinXP plus a sound card.

Goto: <http://hamuniversity.com/>

March2008

### Tom's Auto Clinic

2652 E. Washington Avenue  
Madison, WI 53704  
608-241-3391

Steve - N9CK

Marylynn - K9SAM

May2007

### Phasor Labs

[cforster@phasorlabs.com](mailto:cforster@phasorlabs.com)

Oct2007

# Contest Information

## WA7BNM Monthly Contest Calendar

Please note that you may not be able to operate during all of the total hours of the contests listed below. Total operating time may also vary by entry category. See individual contest rules for allowed operating hours. This calendar comes from website: <http://www.hornucopia.com/contestcal/contestcal.html>.

August, 2006	
TARA Grid Dip Shindig	0000Z-2400Z, Aug 5
10-10 Int. Summer Contest, SSB	0001Z, Aug 5 to 2359Z, Aug 6
European HF Championship	1200Z-2359Z, Aug 5
North American QSO Party, CW	1800Z, Aug 5 to 0600Z, Aug 6
ARRL UHF Contest	1800Z, Aug 5 to 1800Z, Aug 6
RSGB RoPoCo 2	0700Z-0900Z, Aug 6
SARL HF Phone Contest	1300Z-1630Z, Aug 6
NAOCC Straight Key/Bug Sprint	0030Z-0230Z, Aug 9 and 0330Z-0530Z, Aug 9
WAE DX Contest, CW	0000Z, Aug 12 to 2359Z, Aug 13
Maryland-DC QSO Party	1600Z, Aug 12 to 0400Z, Aug 13 and 1600Z-2359Z, Aug 13
SARTG WW RTTY Contest	0000Z-0800Z, Aug 19 and 1600Z-2400Z, Aug 19 and 0800Z-1600Z, Aug 20
ARRL 10 GHz and Up Contest	0600 local, Aug 19 to 2400 local, Aug 20
North American QSO Party, SSB	1800Z, Aug 19 to 0600Z, Aug 20
New Jersey QSO Party	2000Z, Aug 19 to 0700Z, Aug 20 and 1300Z, Aug 20 to 0200Z, Aug 21
Run for the Bacon QRP Contest	0100Z-0300Z, Aug 21
ALARA Contest	0600Z, Aug 26 to 1159Z, Aug 27
Hawaii QSO Party	0700Z, Aug 26 to 2200Z, Aug 27
Keyman's Club of Japan Contest	1200Z, Aug 26 to 1200Z, Aug 27
YO DX HF Contest	1200Z, Aug 26 to 1200Z, Aug 27
SCC RTTY Championship	1200Z, Aug 26 to 1159Z, Aug 27
Ohio QSO Party	1600Z, Aug 26 to 0400Z, Aug 27
SARL HF CW Contest	1300Z-1600Z, Aug 27
Kentucky QSO Party	1600Z, Aug 27 to 0400Z, Aug 28

September, 2006	
All Asian DX Contest, Phone	0000Z, Sep 2 to 2400Z, Sep 3
Russian RTTY WW Contest	0000Z-2400Z, Sep 2
Wake-Up! QRP Sprint	0400Z-0429Z, Sep 2 and 0430Z-0459Z, Sep 2 and 0500Z-0529Z, Sep 2 and 0530Z-0600Z, Sep 2
RSGB SSB Field Day	1300Z, Sep 2 to 1300Z, Sep 3
IARU Region 1 Field Day, SSB	1300Z, Sep 2 to 1259Z, Sep 3
AGCW Straight Key Party	1300Z-1600Z, Sep 2

DARC 10-Meter Digital Contest	1100Z-1700Z, Sep 3
MI QRP Labor Day CW Sprint	2300Z, Sep 4 to 0300Z, Sep 5
ARS Spartan Sprint	0100Z-0300Z, Sep 5
International G3ZQS Memorial Straight Key Contest	2300Z, Sep 8 to 2300Z, Sep 10
WAE DX Contest, SSB	0000Z, Sep 9 to 2359Z, Sep 10
Swiss HTC QRP Sprint	1300Z-1900Z, Sep 9
ARRL September VHF QSO Party	1800Z, Sep 9 to 0300Z, Sep 11
SOC Marathon Sprint	1800Z-2400Z, Sep 9
North American Sprint, CW	0000Z-0400Z, Sep 10
Tennessee QSO Party	1800Z, Sep 10 to 0100Z, Sep 11
ARCI End of Summer Digital Sprint	2000Z-2400Z, Sep 10
YLRL Howdy Days	1400Z, Sep 12 to 0200Z, Sep 14
FISTS Get Your Feet Wet Weekend	0000Z, Sep 15 to 2400Z, Sep 17
SARL VHF/UHF Contest	1600Z, Sep 15 to 1600Z, Sep 16 and
	1600Z, Sep 16 to 1000Z, Sep 17
ARRL 10 GHz and Up Contest	0600 local, Sep 16 to 2400 local, Sep 17
Scandinavian Activity Contest, CW	1200Z, Sep 16 to 1200Z, Sep 17
South Carolina QSO Party	1300Z, Sep 16 to 2100Z, Sep 17
QRP Afield	1500Z-2100Z, Sep 16
Washington State Salmon Run	1600Z, Sep 16 to 0700Z, Sep 17 and
	1600Z-2400Z, Sep 17
QCWA Fall QSO Party	1800Z, Sep 16 to 1800Z, Sep 17
North American Sprint, SSB	0000Z-0400Z, Sep 17
Run for the Bacon QRP Contest	0100Z-0300Z, Sep 18
144 MHz Fall Sprint	1900 local - 2300 local, Sep 18
NAQCC Straight Key/Bug Sprint	0030Z-0230Z, Sep 21
CQ Worldwide DX Contest, RTTY	0000Z, Sep 23 to 2400Z, Sep 24
Scandinavian Activity Contest, SSB	1200Z, Sep 23 to 1200Z, Sep 24
Texas QSO Party	1400Z, Sep 23 to 0200Z, Sep 24 and
	1400Z-2000Z, Sep 24
AGCW VHF/UHF Contest	1600Z-1900Z, Sep 23 (144) and
	1900Z-2100Z, Sep 23 (432)
UBA ON Contest, CW	0600Z-1000Z, Sep 24
Fall QRP Homebrewer Sprint	0000Z-0400Z, Sep 25
222 MHz Fall Sprint	1900 local - 2300 local, Sep 26
CIS DX Contest	1200Z, Sep 30 to 1200Z, Oct 1
Arkansas QSO Party	1600Z, Sep 30 to 0600Z, Oct 1 and
	1800Z, Oct 1 to 0200Z, Oct 2
FISTS Coast to Coast Contest	1800Z, Sep 30 to 1800Z, Oct 1

*Send comments and corrections about this page to Bruce Horn, [WA7BNM](mailto:WA7BNM)*

*Revision Date: April 2, 2006*

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Information is also available from the ARRL contest web site <http://www.arrl.org/contests/calendar.html> and the ARRL Contest Rate Sheet at <http://www.arrl.org/contests/rate-sheet/>. You can also get the Rate Sheet emailed to you once a week. (You may have to copy these URL's into your browser to make them work.)

## N2CQ QRP CONTEST CALENDAR

### QRP CONTEST CALENDAR, August 2006

Summer FOX Hunt - QRP 20M CW

UTC: Every Fri thru August 18, 0100z to 0229z

EDT: Every Thur thru August 17, 9 PM to 1029 PM

Info: <http://www.grpfoxhunt.org/>

Ten-Ten QSO Party (PH) ... QRP Category

Aug 5, 0001z to Aug 6, 2359z

Rules: <http://www.ten-ten.org/calendar.html>

TARA "Grid Dip" Contest (PSK/RTTY) ... QRP Category

Aug 5, 0000z to 2400z

Rules: [http://www.n2ty.org/seasons/tara\\_seasons.html](http://www.n2ty.org/seasons/tara_seasons.html)

EUROPEAN HF CHAMPIONSHIP (PH/CW) (EU work EU) Low Power Category

Aug 5, 1200z to 2359z

Rules: <http://lea.hamradio.si/~scc/euhfcrules.htm>

ARRL UHF Contest ... Low Power Category

Aug 5, 1800z to Aug 6, 1800z

Rules: <http://www.arrl.org/contests/calendar.html?year=2006>

North American QSO Party (CW) ... 100W Max. (/QRP noted on entry)

Aug 5, 1800z to Aug 6, 0600z

Rules: <http://www.ncjweb.com/nagprules.php>

Adventure Radio Spartan Sprint (CW) \*\*\* QRP CONTEST! \*\*\*

Aug 8, 0100z to 0300z (First Monday 9 PM EDT)

Rules: <http://www.arsgrp.com/>

NAQCC Straight Key/Bug Sprint (CW) \*\*\* QRP Contest \*\*\*

EDT: Aug 8, 8:30 PM to 10:30 PM

UTC: Aug 9, 0030Z to 0230Z

Rules: <http://www.arm-tek.net/~yoel/contests.html>

Worked All Europe DX Contest (CW) ... 100W category

Aug 12, 0000z to Aug 13, 2359z

Rules: <http://www.darc.de/referate/dx/xedcwr.htm>

Maryland/DC QSO Party (SSB/CW) ... QRP Category

Aug 12, 1600z to Aug 13, 0400z

Aug 13, 1600z to Aug 13, 2359z

Rules: <http://www.w3cwc.org>

SARTG WW RTTY Contest ... Low Power Category

Aug 19, 0000z to 0800z

Aug 19, 1600z to 2400z

Aug 20, 0800z to 1600z

Rules: <http://www.sartg.com/contest/wvrules.htm>

QRP ARCI Silent Key Memorial Contest (CW) \*\*\* QRP CONTEST! \*\*\*

Aug 19, 1500z to 1800z

Rules: <http://www.grparci.org>

BUBBA Summer QRP Sprint \*\*\* QRP CONTEST! \*\*\*

Aug 19, 1600z to 2200z

Rules: <http://www.azscqrptions.org>

North American QSO Party (SSB) ... 100W Max. (/QRP noted on entry)

Aug 19, 1800z to Aug 20, 0600z

Rules: <http://www.ncjweb.com/nagprules.php>

NJ QSO Party (CW/SSB)

Aug 19, 2000z to Aug 20, 0700z

Aug 20, 1300z to Aug 21, 0200z

Rules: <http://www.gsl.net/w2rj/>

RUN FOR THE BACON (CW) \*\*\* QRP CONTEST \*\*\*

EDT: Aug 20, 9 PM to 11 PM

UTC: Aug 21, 0100z 0300z

Rules: <http://fpgrp.com>

Hawaii QSO Party (CW/SSB/Digital) ... QRP Category

Aug 26, 0700z to Aug 27, 2200z

Rules: [http://www.karc.us/hi\\_qso\\_party.html](http://www.karc.us/hi_qso_party.html)

Ohio QSO Party (CW/SSB) ... QRP Category

Aug 26, 1600z to Aug 27, 0400z

Rules: <http://www.oqp.us/>

SLOVENIA CONTEST CLUB RTTY Championship .. 100W Category

Aug 26, 1200z to Aug 27, 1159z

Rules: <http://lea.hamradio.si/~scc/rtty/htmlrules.htm>

Colorado QRP Club Summer VHF/UHF QSO Party (CW/SSB/FM)

Aug 27, 1600z to 2000z

Rules: <http://www.cgc.org/contests/index.htm>

Kentucky QSO Party (CW/SSB)

Aug 27, 1600z to Aug 28, 0400z

Rules: <http://www.ky4ky.com/kyqsopartyrules.html>

QRP BARBERSHOP QUARTET CONTEST (CW QRP)... QRP Contest!

Aug 30, 9 PM to 11 PM EDT

Rules: [http://www.io.com/~n5fc/barbershop\\_contest.htm](http://www.io.com/~n5fc/barbershop_contest.htm)

[5th wed]

Thanks to K3WWP, LA9HW, SM3CER, WA7BNM, ARRL and others for assistance in compiling this calendar.

Ken Newman - N2CQ [N2CQ@ARRL.NET](mailto:N2CQ@ARRL.NET) ; <http://www.amqrp.org/contesting/contesting.html> ;

<http://www.n3epa.org/Pages/Contest/contest.htm> ; \*Ed Note: Thanks to Terry, WU9F.

## General Information

### Four Lakes Amateur Radio Club Membership Mail-In Application

Date: \_\_\_\_\_ Callsign: \_\_\_\_\_ License Class: \_\_\_\_\_

Name: \_\_\_\_\_

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

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

Telephone: \_\_\_\_\_ Month & Day of Birth: (optional) \_\_\_\_\_

E-mail address: \_\_\_\_\_

ARRL Member: Yes \_\_\_\_\_ No \_\_\_\_\_

Newsletter delivery is via E-mail, so please include your E-mail address above. If you require a mailed copy, please check here \_\_\_\_\_.

Dues: \$20 regular, \$17 Senior (65 plus), \$10 Student, \$14 additional family members.  
(one newsletter per family)

Mail check and this completed application form to:

**FLARC c/o Don Michalski  
4214 Mohawk Dr.  
Madison, WI 53711**

## MDXC Scholarship

The Madison DX Club (MDXC) has established a student scholarship program to financially assist students enrolled in institutions of higher learning. The program is intended to be a public service for this community and it is hoped all amateur radio operators and friends will contribute support.

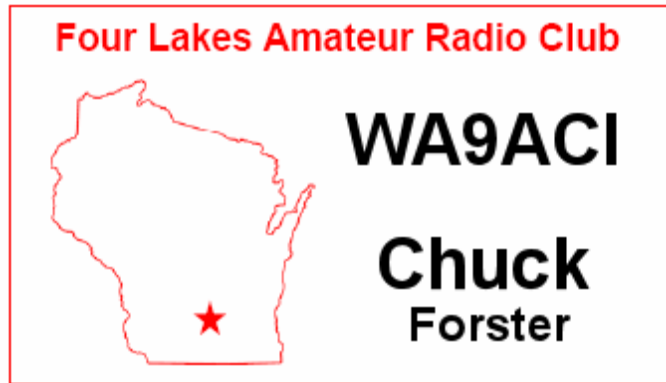
For complete details of the program you may go to <http://www.madisondxclub.org>. You may contact us at [scholarship@madisondxclub.org](mailto:scholarship@madisondxclub.org).

The MDXC (Madison DX Club) thanks you for your support to this important project.

.....

# Now Available!

## Engraved FLARC Club Badges



Actual Size (3.5" x 2") and colors.

**PRICE: \$8.50 per engraved badge.**

Each badge includes a standard pin clip for the back. A magnet clip (\$3.20 extra) or a bulldog clip (\$1.25 extra) can be ordered for a small cost. No shipping is required if you pick your badge up at a FLARC meeting. **If you want badge shipped to you, an additional charge of \$2.45 is required. ORDERS WILL BE SUBMITTED OCTOBER 1, 2006, SO ORDER SOON.**

Callsign	First Name	Last Name	Badge With Pin Back	Badge With Magnet Clip (\$3.20 extra)	Badge With Bulldog Clip (\$1.25 extra)
			\$8.50 <input type="checkbox"/>	\$11.70 <input type="checkbox"/>	\$9.75 <input type="checkbox"/>
			\$8.50 <input type="checkbox"/>	\$11.70 <input type="checkbox"/>	\$9.75 <input type="checkbox"/>
		Shipping Cost (to House only) \$2.45			
		TOTAL			

Order forms and check (made out to "FLARC") can be sent to:

**Donald E. Michalski; 4214 Mohawk Drive; Madison, WI 53711-3723**

Orders can also be brought to a FLARC meeting. Any orders placed after October 1, 2006 must include the shipping cost.

# RULES FOR FLARC AUGUST 2006 FOX HUNT

**PURPOSE STATEMENT:** The purpose of the FLARC Fox Hunt is to provide a regular opportunity for members to develop and test techniques for locating unknown sources of radio signals.

## GENERAL RULES:

- The hunt will be held on August 15, 2006.
- The simplex frequency to be used will be announced by the fox promptly at the starting time on the BARS repeater, 146.685 MHz pl 123.0 Hz, preceding the hunt. The participants will then QSY to the announced frequency to begin the event.
- The starting location and time will be the Red Cross Building, 4860 Sheboygan Avenue, Madison, Wisconsin, at 7:00 P.M.
- The event will last for a duration of up to 2 hours.
- The first FLARC member(s) to locate the fox will be declared the winner(s) and will be the fox for the next fox hunt. A Winner from both the Doppler and Traditional classes will be awarded. All amateur radio folks and friends are welcome to hunt.
- The traveling trophy will be presented to the winner(s) at a subsequent FLARC meeting.

## RULES FOR THE FOX:

- The location of the fox shall be:
  - a) Within a distance of 8 miles of the announced starting point.
  - b) In a public location.
  - c) In a location that is in no way offensive to the participants or the public.
  - d) Accessible by all who may choose to participate.
- Clues may be given after a period of 30 minutes. Clues should be helpful but not give the location away by clues alone.
- A transmission should be made for a period of 60 seconds every 5 minutes to provide an adequate signal for the participants to track.
- The fox will announce the frequency to be used at the announced starting time on the previously announced repeater.
- The first transmissions should give general information, such as our rules for the event, information about FLARC, club related events, and any announcements which would be of interest to the participants.

## RULES FOR THE HOUNDS:

- The participants shall all begin the hunt from the same location, which is given above.
- The participants may not trespass on private property.
- The participants may not enter areas that would in any way be considered obtrusive or inappropriate by participants or the public.
- There will be two classes of hounds: Doppler based stations and traditional direction finding equipment stations. Therefore, there will be two classes of winners.
- Participants shall act responsibly and safely at all times. Actions taken during club events reflect on our organization.

\*\*\*\*\* END OF FOX HUNT RULES \*\*\*\*\*