



The Feedline

"W9JZ - SERVING AMATEUR RADIO SINCE 1933"
Number 8

Volume 29,

• Club Information

2006 FLARC Officers

Frederick Baguhansurer

Board Members at Large

Daniel Grim, AB9LQ

Doug Ward, W9DCQ

Joe Lynch, W9YHF

CALENDAR OF CLUB EVENTS, etc.

Our club meetings are held the third Tuesday of the month at the Space Place, 2300 S Park St. Madison. 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 East side Zilch (ham breakfasts) are at 7:30 AM at the Green Lantern on the west end of Siggelkow Road in McFarland.
- The West side 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.qsl.net/flarc>. Keep checking the links page for new goodies!

Meeting dates and programs

- August meeting – August 21, 2007, 7:00 pm at the Red Cross – Fox hunt.
- September meeting – September 18, 2007, 7:30 pm at the Space Place.

• The Prez Says

Greetings to all!

Editorial Page

This is the month of the fox hunt. It starts at 7:00 pm, 1900 hours, or 6 bells depending on your time system. It's at the Red Cross building parking lot on Sheboygan Ave. The same as last year. All the old members know all about this.

For the new members, this is where the "fox" hides and transmits periodically to give clues of his whereabouts. The hunters listen for the fox and try to locate his position. Usually the fox is found by everyone by the time it gets dark. Everyone meets at the nearest ice cream parlor (minors are or should be involved) to discuss the fine points of fox hunting. At least that's what they tell me. In two years my team was several miles away and no closer to finding the fox than when we started. I guess fox hunting is not my forte.

Dan Grim AB9LQ

FLARC Treasurer's Report

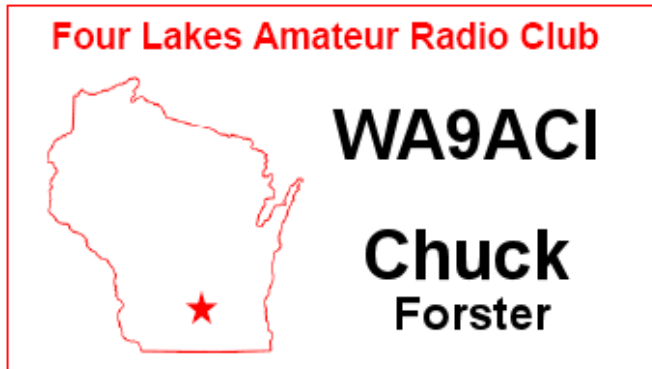
105 Members - \$4838.73

• *Buck Nite Winner at FLARC*

K9IMM - Edward Gisske

• **"WE HAVE BADGES!"**

Yes FLARC has engraved club badges.



This is the design and you can order yours using the included form.

• ***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 during 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, Carolyn Kammen NQ9A acting coordinator

E-mail: nq9a@arri.net

608 246-0225, 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.qsl.net/flarc> . If you see any errors, please let Dan Grim, AB9LQ know, e-mail: drgrim@wisc.edu .

. *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 Dan Grim, AB9LQ, and can be contacted at

(608) 873-8338 or e-mail: drgrim@wisc.edu.

Wisconsin Section News

Keep in touch with the ham action in Wisconsin by going to the Wisconsin section website:

<http://www.arrrl.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 .

Checker for the VUCC awards is Richard, K9APW. Contact him at 608-833-0011 or k9apw@arrrl.net.

. *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

. *W1AW 2006 Spring Operating Schedule*

The W1AW Operating Schedule may be found on the web at,

<http://www.arrl.org/w1aw.html> .

. **Information Locater**

. *Amateur Radio Web Sites*

www.qsl.net/mara

www.wi-repeaters.org

<http://www.madisondxclub.org>

<http://www.n9mw.com> (DX-Cluster)

<http://www.w9smc.com>

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 and www.qrz.com. There are many, many links to other sites, which promote things from antennas, antenna construction to software. Also www.ac6v.com and 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, pl123.0 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 Dan Grim, AB9LQ, at drgrim@wisc.edu.

. *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 with

Greetings from Alaska!! Time to rerun an oldie.

The certificate below says it all. However, to clarify, I have totally enjoyed the hospitality of QRP operators from areas around the USA. QRP Hams in New Jersey, Atlanta, Denver, Seattle, San Francisco (+Pacificon), Des Moines, IA, Madison, WI, Lincoln NE, Hilo, HI, South Sioux City, NE, Baltimore (+Atlanticon) and other locations have all taken time to welcome me to their areas and have taken time out of their busy schedules to get together with me. I appreciated their efforts.

If you are traveling in Alaska, I will try to schedule a lunch or breakfast with you to talk QRP and just have fun. We can even talk about Alaska if you like. I have lived up here since January 1978 and arrived at the tender age of 29.

You can contact me via email or via phone and I also tend to listen on 147.27+ (103.5Hz tone), the Mount Susitna Repeater. If you are on a handtalkie, you should still be able to hit this repeater. It is over 4,000 feet up.

I only expect to pay for one meal at a time so if five of you show up on the same day,

we have some negotiating to do. :-) I am sure we can work it out.

Print this message, cut out the certificate and stick it in your wallet or purse. That way you will have it when you arrive in Alaska.

I look forward to seeing you here in Alaska whether it is this year or next. We share a great hobby and the Joy of QRP.

Who says there is no such thing as a "free lunch"?

73, Jim --

Jim Larsen, AL7FS
Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<http://www.al7fs.us/> hin amateur radio which has been somewhat "low key," or lacking power. (Sorry, I got a million of them.)

See Attached Coupon

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

Repeaters Listed by City, Region & Frequency in HTML & Text Form
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>
<http://www.wi-repeaters.org/warlst.htm>

WAR Band Plan

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

WAR March Newsletter

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

Minnesota Repeaters

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/>

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 Dan Grim AB9LQ editor, drgrim@wisc.edu, and will be posted for 3 months.

The Ham 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 QST back issues

Thinning out my 40+ year collection of QSTs. 137 issues available.
\$1.00 each/10 for \$7.50/\$79.00 for the lot (shipping extra).
Email for a complete list.

Mark – WA9ETW –
mlangen@execpc.com

Mar 2007

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 for more information contact:

Frederick Baguhn, W9GOC.



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 Taitwister 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.

. 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 Funiversity

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®. 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

Oct2007