



The Feedline

“W9JZ – SERVING AMATEUR RADIO SINCE 1933”

VOL. 25 – No. 04

April, 2004

2003 FLARC Officers

Frederick Baguhn W9GOC - President
John Steffl K0ZYA - Vice President
Gary Muskat KA9SRM - Secretary
Don Michalski W9IXG – Treasurer

Board Members at Large

Phil Carlson WB0CLI
Bud Morin K9ZT
Doug Ward W9DCQ

CALENDAR OF CLUB EVENTS, etc.

Our club meetings are usually 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. They are subject to change.

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 www.qsl.net/flarc Keep checking the links page for new goodies!

Meeting dates and programs

Prez Says –

Greetings to all!

I thank John/K0ZYA for taking gavel in hand and presiding over the March meeting in my absence, and Don/W9IXG for sharing the latest developments on license restructuring and BPL according to Newington’s perspective. [Well, maybe not All of Newington, CT, has exactly the same viewpoint, but on things Radio, the team at ARRL is the best representation hams have in the

neighborhood!] I’m told that good discussion ensued !

I hope you’ve all turned in your logs for the Wisconsin QSO Party, and remembered to list Four Lakes ARC as your club affiliation? If you haven’t turned in your scores yet, *Please* get them delivered to West Allis RAC before the 14 April 2004 deadline.

The MARA Hamfest is scheduled for 18 April in Stoughton, and there are still opportunities for participation in setup and takedown in general, as well as staffing the FLARC table and preparing the FLARC exhibit. This year Phil/WB0CLI will be manning an HF station at the FLARC booth, and FLARC has invited middle school scholars to visit us and try their voice as ham radio operators. Phil could perhaps use a volunteer or two to spell him at the console, and help tell visitors about radio and the operating modes we’ll be demonstrating. Please contact Phil to let him know of your availability?

This month’s featured presentation topic will be *Cave Radio*, brought to you by Joe/N9TWA. I look forward to learning how one plays radio from INSIDE of what us surface dwellers think of as the ‘ground plane’. Joe tells me there is a spelunking opportunity on the near horizon where a curious ham could get some first-hand experience with cave radio, too. Learn more at the club meeting on the 20th!

A reminder for those who have calendar challenges as I do - - Field Day comes on **26 June**, and we still have lots to do. Doug will update us on some of the opportunities at this month’s general meeting. For those who are feeling that their jewelry collection is getting dated, Don is collecting orders for FLARC’s group purchase for

the 2004 Field Day pins (and other things). Check the ARRL website to see pictures of the things on offer, and get your order (and payment) to Don so we can save on the shipping charges.

73,
Frederick

More on Cave Communications

In general, radio does not work well underground. Joe will talk about some of the alternative communications methods that are used and will also discuss the "cave radios" based on low frequency magnetic induction and the possibilities for UHF radio frequencies. A caving trip could be arranged for Saturday, May 1, for those who might like to try their radios underground. (This information on a caving trip may not be up-to-date.)

FLARC Treasurer Report

3/16/2004

Balance in the treasury is \$4,199.24.
Membership: 99 members.

Don, W9IXG

New Members

We welcome four new members to the club:

KB1FMA	Frank Bolding
AB9ED	Tom Bouril
KC9FKV	Steve Geraths
KC9FNF	Carter Wegner

BPL Alert

The FCC has opened a Notice of Proposed Rule Making (NPRM) on Broadband on Power Line

(BPL) systems concerning the limits on emissions in Part 15 rules. It is 38 pages of not easy reading. Comments may be sent to the FCC. See web site: <http://www.arrl.org/news/stories/2004/02/23/1/?nc=1>. Comments must be in by 3 May and replies to comments by 1 June. The ARRL site tells how to do this.

Field Day

Field Day is approaching! Time to get your order in for the Field Day T-shirts and pins while supply lasts! I will place a bulk order with the ARRL on May 1. T-shirts are \$13 and pins are \$5. Indicate shirt size and/or type of pin-- "2004 Field Day Pin" or "Get On the Air" GOTA pin. Make checks out to FLARC. Send your order to:

FLARC c/o Don Michalski
4214 Mohawk Drive
Madison, WI
53711
dem@sal.wisc.edu

When the shipment is received, you may pick up your order at a club meeting or at the Field Day site.

73,
Don, W9IXG

Em-Comm Class

All,
The Badger Amateur Radio Society (BARS) in conjunction with Dane County ARES/RACES has agreed to sponsor a hybrid Em-Comm 1 course. This course leads to first level certification to those Hams who complete the class. Thanks to BARS sponsorship, we will be able use ECB room 1066. The Engineering Centers Building (ECB) is located on campus at the end of Engineering Drive, formally West Johnson Stree) Free parking is available in Lot 17 next door. We have the room for the next eight weeks from 7:30 to 9:30 PM.

We will start this next Monday (April 5) with an orientation to the class, ordering the books and paying the fees - \$45 for ARRL members refundable on completion. We plan to be able to do a couple of lessons and assign some of the first activities then. Sorry for this late notice but we just received permission to use the room. Please pass the word around if you would. Talk-in will be on the BARS 146.685 pl 123 repeater. For more information and to pre-register contact Sam KG9NG slowe@wisc.edu or leave a message at 608 246-8582 73 Sam KG9NG Dane County EC

MDXC Scholarship Announcement

The Madison DX Club has a program to provide local students enrolled in an institution of higher learning with financial assistance. The structure of the program is in place and a number of contributions have been received. The program is off to a good start. Any financial contribution you might make to the program will make more and larger scholarships available. A donation form is attached. Complete details of the program are available at <http://www.madisondxclub.org>, if you know of a ham who will be (or is) "attending college", please pass on the information about this program.

Programs

We need some more ideas or topics for programs to present at the meetings. So let us hear from you.

FLARC Web Site

The FLARC URL is <http://www.qsl.net/flarc> If you see any errors, please let us know.

Elmers

If you are interested in being an Elmer, one who helps newcomers get started in ham radio, contact Gary Dennis, KG9FL.

VE Program

Tim, WO9U, is the VE Team Chairman. The exams are given at SPACE PLACE on South Park Street on the *FIRST SATURDAY OF THE MONTH.*

Wisconsin Section

Keep in touch with the ham action in Wisconsin by going to the Wisconsin section website: <http://www.arrl.org/sections/?sect=WI>. The old site: www.w9ixg.eboard.com is no longer available.

73, Don

Buck Nite

The winner was Sam Rowe, KG9NG.

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@arrl.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.

Equipment for sale by former FLARC member Orlando Canto, N9CPD. He wants to sell his entire base station because he intends to move and go mobile while he travels the country. Don Michalski visited his home on 701 S. Midvale and inspected the station. The equipment looks to be in excellent condition. The major components to his station are:

- Kenwood TS-830S transceiver (with a non-working spare unit- good for spare parts).
- Kenwood VF-230 VFO (for split and crossband operation)
- Kenwood SP-230 speaker
- Yaesu YO-101 Monitor scope
- D104 Microphone
- Mark II A Watt and SWR meter
- Antenna dummy load
- Coax switch (5 position)
- 35 foot Rohn 25 tower (actually, 40 feet but 5 feet buried in concrete)
- Ham IV Rotator and control box
- KLM KT-34 tri-band beam
- Coax for station
- Wood table for station
- All manuals are included

He wishes to sell the entire station; not individual pieces. If anyone is interested, please contact Orlando at 238-6262 or e-mail forlandoc@charter.net. He invites prospective buyers to come and check out the station and make an offer. No reasonable offer will be refused! Digital photo available upon request. If you get the *Feedline* by email a photo is shown in the attachment.

Antenna and Rotator for Sale

From Richard Lust, K9APW:

- (1) -- "Mini-Products" HQ-1, (2)-element hybrid quad antenna, which covers 6, 10, 15, & 20 meters -- It was made and marketed by Mini Products, Inc. --- 1001 W. 18th Street -- Erie, PA -- 16502 --

This is a neat all metal/aluminum antenna in

the 2 elements in the form of a 'lazy diamond' with end "top hat" type wire spokes for a capacitance hat thus shortening the length, etc.

My estimate is that the boom is about 6-feet. This yagi/quad hybrid antenna appears to be in very good overall condition -- complete & with instructions

(2) -- (1) Alliance #HD73 H.D. antenna rotator with control, original box and instructions. This is a H.D. TV type of rotator but strong enough to easily handle the above HQ-1 "quad" antenna --

(3) -- (1) 30" folding tripod roof type "tower" complete

(4) -- All coax, lead-in, and rotator control cables for the above items --

The seller is Dean Tvedt -- 437-8782.

Dean would like to sell the PACKAGE, all to go, one price, one buyer -- I told him that he should ask \$100 - \$125 for the package, or best offer -- He is OK with that --

This is a great 'small' 4-band antenna for confined space, roof tops, attics, etc-- great for a 'new' ham-- even a Tech could use it, etc. ---

NOTE that this package is off the roof and has been dis-assembled somewhat for storage -- should be an hour's job or less to reassemble it and get it in the air!!

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.

Birthdays

April:

- 2 KB9LYM—Jackie Jeardeau
- 3 WB0CLI—Phil Carlson
- 4 W9RNF—Sharon Toal
- 6 K9APW—Richard Lust
- 9 KC9BFD—Emily Baguhn
KA9KYB—John Hicks
- 18 KB9UOL—Michelle Godfrey
- 23 KC9FNF—Carter Wegner
- 26 KC9AJN—Dorothy Sorge

May:

- 2 W9IXG—Don Michalski
- 3 W0ROT—Peter Fribley
- 4 W9DGI—Daniel Gomez-Ibanez
- 5 KA9SSI—James Hill
- 20 N9GTB—William Steaffens

Web Sites:

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

Dane County 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.

MDXC works with Internet Explorer and not with some versions of Netscape.

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.

FLARC has RG-213 in stock for 47 cents per foot.
PL 259 connectors are \$1.25 each.

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, W9IXG or Federick Baguhn, W9GOC.

Tom's Auto Clinic

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

Steve – N9CK

Marylynn – K9SAM

Phasor Labs

cforster@phasorlabs.com

Another source of contest dates has been suggested instead of the one below. The source is <http://home.online.no/~janalme/hammain.html/>. They overlap quite a bit and each has contests that the other does not have. Furthermore, they disagree on some dates and times. The above site has the advantage of having links to the rules.

WA7BNM 13-Month Contest Calendar
Last updated February 13, 2004

Please send corrections and additions directly to Bruce Horn, [WA7BNM](#)

A [text version](#) of this calendar is also available.

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.

April, 2004

SARL 80m QSO Party	1700Z-2000Z, Apr 1
Kids Roundup	1400Z, Apr 3 to 2200Z, Apr 4
SP DX Contest	1500Z, Apr 3 to 1500Z, Apr 4
EA RTTY Contest	1600Z, Apr 3 to 1600Z, Apr 4
Missouri QSO Party	1800Z, Apr 3 to 0500Z, Apr 4 and 1800Z-2400Z, Apr 4
QCWA QSO Party	1800Z, Apr 3 to 1800Z, Apr 4
RSGB RoPoCo 1	0700Z-0900Z, Apr 4
144 MHz Spring Sprint	1900 local -2300 local , Apr 5
RSGB 80m Club Championship, CW	2000Z-2130Z, Apr 5
ARS Spartan Sprint	0100Z-0300Z, Apr 6
YLRL DX to NA YL Contest, CW	1400Z, Apr 7 to 0200Z, Apr 9
JIDX CW Contest	0700Z, Apr 10 to 1300Z, Apr 11
ARCI Spring QSO Party	1200Z, Apr 10 to 2400Z, Apr 11
EU Spring Sprint, SSB	1500Z-1859Z, Apr 10
Georgia QSO Party	1800Z, Apr 10 to 0359Z, Apr 11 and 1400Z-2359Z, Apr 11
CIS DX Contest, SSB	1900Z, Apr 10 to 1900Z, Apr 11
UBA Spring Contest, SSB	0600Z-1000Z, Apr 11
SARL Hamnet 40m Simulated Emerg Contest	1200Z-1400Z, Apr 11
Low Power Spring Sprint	1400Z-2000Z, Apr 12
222 MHz Spring Sprint	1900 local -2300 local , Apr 13
YLRL DX to NA YL Contest, SSB	1400Z, Apr 14 to 0200Z, Apr 16
RSGB 80m Club Championship, SSB	2000Z-2130Z, Apr 14
Holyland DX Contest	0000Z-2359Z, Apr 17
TARA Skirmish Digital Prefix Contest	0000Z-2400Z, Apr 17
ES Open HF Championship	0500Z-0859Z, Apr 17
YU DX Contest	1200Z, Apr 17 to 1200Z, Apr 18
GACW CW DX Contest	1200Z, Apr 17 to 1200Z, Apr 18
EU Spring Sprint, CW	1500Z-1859Z, Apr 17

Michigan QSO Party	1600Z, Apr 17 to 0400Z, Apr 18
EA-QRP CW Contest	1700Z-2300Z, Apr 17 and 0700Z-1300Z, Apr 18
Ontario QSO Party	1800Z, Apr 17 to 1800Z, Apr 18
World Amateur Radio Day Party	0000Z-2359Z, Apr 18
432 MHz Spring Sprint	1900 local -2300 local , Apr 21
RSGB 80m Club Championship, Data	2000Z-2130Z, Apr 22
Harry Angel Memorial Sprint	1100Z-1246Z, Apr 23
SP DX RTTY Contest	1200Z, Apr 24 to 1200Z, Apr 25
Helvetia Contest	1300Z, Apr 24 to 1300Z, Apr 25
QRP to the Field	1500Z-2400Z, Apr 24
Florida QSO Party	1600Z, Apr 24 to 0159Z, Apr 25 and 1200Z-2159Z, Apr 25
Kentucky QSO Party	1600Z, Apr 24 to 0400Z, Apr 25
Nebraska QSO Party	1700Z, Apr 24 to 1700Z, Apr 25
CQC PSK31 Kontest	1900Z, Apr 24 to 0100Z, Apr 25
EUCW/FISTS QRS Party	0001Z, Apr 25 to 2359Z, May 1

May, 2004

US IPARC Annual Contest, CW	0000Z-2400Z, May 1
MARAC County Hunters Contest, CW	0000Z, May 1 to 2400Z, May 2
UBA Welcome to European Union Contest	0000Z-2400Z, May 1
10-10 Int. Spring Contest, CW	0001Z, May 1 to 2359Z, May 2
Microwave Spring Sprint	0600 local -1300 local , May 1
AGCW QRP/QRP Party	1300Z-1900Z, May 1
Indiana QSO Party	1500Z, May 1 to 0300Z, May 2
ARI International DX Contest	2000Z, May 1 to 1959Z, May 2
New England QSO Party	2000Z, May 1 to 0500Z, May 2 and 1300Z-2400Z, May 2
US IPARC Annual Contest, SSB	0000Z-2400Z, May 2
RSGB 80m Club Championship, SSB	2000Z-2130Z, May 3
ARS Spartan Sprint	0100Z-0300Z, May 4
Nevada QSO Party	0000Z, May 8 to 0600Z, May 9
VOLTA WW RTTY Contest	1200Z, May 8 to 1200Z, May 9
Oregon QSO Party	1400Z, May 8 to 0200Z, May 9
Mid-Atlantic QSO Party	1600Z, May 8 to 2400Z, May 9
FISTS Spring Sprint	1700Z-2100Z, May 8
50 MHz Spring Sprint	2300Z, May 8 to 0300Z, May 9
RSGB 80m Club Championship, Data	2000Z-2130Z, May 12
US Counties QSO Party, SSB	0000Z, May 15 to 2400Z, May 16
Portuguese Navy Day HF Contest	0800Z, May 15 to 2300Z, May 16
Manchester Mineira CW Contest	1500Z, May 15 to 2400Z, May 16
His Maj. King of Spain Contest, CW	1800Z, May 15 to 1800Z, May 16
ARCI Newcomer's Run	1800Z-2000Z, May 15

RSGB 80m Club Championship, CW	2000Z-2130Z, May 20
2 GHz and Up Contest	0600 local , May 22 to 2400 local , May 23
VK/Trans-Tasman 80m Contest, Phone	0800Z-1400Z, May 22
AGCW Activity Week	0000Z, May 24 to 2400Z, May 28
CQ WW WPX Contest, CW	0000Z, May 29 to 2359Z, May 30
Great Lakes QSO Party	0000Z, May 29 to 2359Z, May 30
ARCI Hootowl Sprint	2000 local -2400 local , May 30
MI QRP Memorial Day CW Sprint	2300Z, May 31 to 0300Z, Jun 1

Send comments and corrections about this page to Bruce Horn, WA7BNM

Revision Date: February 13, 2004

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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.

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

Date: _____ Callsign: _____

Name: _____

Address: _____

City, State, Zip: _____

Telephone: _____

Month & Day of Birth: (optional) _____

E-mail address: _____

ARRL Member: Yes ___ No ___

Newsletter delivery:

Email: _____ Standard Mail: _____

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

(one newsletter per family)

Mail check and completed application form to:

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

MDXC Scholarship Contribution Form

Mail to Bill Hanold, N3304 Tipperary Point Rd., Poynette, WI 53955

I wish to contribute \$_____.____ to the MDXC Scholarship Fund.

Payment is included with this form.

Make checks payable to the MDXC Scholarship Fund

Payment will be made on or before _____ 20_____

Please note that MDXC expects to award scholarships annually in May and make payouts at the end of each year.

NAME (please print)

ADDRESS

CITY

STATE

ZIP CODE

SIGNATURE

DATE

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

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

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