



# The Feedline

“W9JZ – SERVING AMATEUR RADIO SINCE 1933”

Volume 27, Number 2

## Club Information

### 2006 FLARC Officers

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

### Board Members at Large

Steven Elliott, W9RAL  
Dan Lautenschleger, KC9IAP  
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

February 21st meeting will be at Red Cross, 7:30 pm.

- WI QSO Party--1800Z March 12 - 0100Z March 13, <http://www.warac.org/wqp/2006/06rules.htm>  
Also, Contest Matrix Logging information to be presented by Scott at the February meeting.
- MARA Swapfest, April 22.
- Field Day -- June 24-25, 2006

## The Prez Says

Greetings to all!

Thank you to all who brought us to Quorum for the January business meeting. The slate of officers ran unopposed and were re-elected to their posts for the 2006 year. There are some changes on the Board leadership, however. Doug Ward, W9DCQ, returns to his seat on the Board. Steve Elliott, W9RAL, continues his Board position, along with his responsibilities as our Feedline Editor/Publisher. Our new Board member is Dan Lautenschleger, KC9IAP. Dan seems to enjoy building radio things, and we look forward to using Dan's technical prowess to spark that desire in others.

I extend the Club's thanks to Phil Carlson and Terry Bachman for their service as 2005 Board members. They have other obligations which preclude their continued Board participation, but have indicated their continued support for FLARC and will be participating in Club activities as their schedules permit.

The February meeting is going to be a presentation by Ralph Henes, W9CAR. Ralph is our Elmer/Mentor coordinator - - the point of contact for new hams that have radio questions, or need a radio buddy or mentor. Folks who'd like to be Elmers (radio mentors) but are too shy to find new hams by themselves can contact Ralph and alert him to your interest areas, and Ralph can facilitate introductions!

But back to the topic of the meeting. Ralph is going to enlighten us on the “DO'S & DON'TS FOR GOING MOBILE IN TODAY'S SOPHISTICATED VEHICLES”. Folks who have been lucky enough to see Ralph's bright blue screwdriver-sporting pickup truck will appreciate that Ralph isn't just spouting theory, but has the practical experience to support his position. We'll have an opportunity

to learn from Ralph's experience, instead of having to rediscover the techniques on our own.

REMINDER: the February meeting is our last before the Wisconsin QSO Party! Terry/WU9F will be available to answer questions you may have on what to do/ how to participate in the WI QSO Party. Your points can make the difference, and we'd like to have your help.

Looking forward to seeing you at the meeting - -

73, Frederick

## News and Stories

### *Joel Harrison, W5ZN, elected ARRL'S 14th President*

ARRL First Vice President Joel Harrison, W5ZN, of Judsonia, Arkansas, will be the League's president for the next two years. He'll succeed Jim Haynie, W5JBP, who chose not to run for a fourth term in the uncompensated, volunteer post. Gathering in Windsor, Connecticut, for its annual meeting, the Board voted 10 to 5 to choose Harrison over ARRL Central Division Director Dick Isely, W9GIG, the only other nominee. Harrison, 47, said he believes Amateur Radio is looking at a different society--and pool of potential licensees--in the 21st century than in the past.

"One of the things we need to do over the next few years is realize that Main Street USA is not the Main Street USA it was years ago," Harrison commented after the vote. "We all remember those days when we became interested in radio and the magic that it provided to us. The magic is still there, but Main Street has changed."

Harrison says this means that the League needs to focus on doing a better job of attracting the average person on the new Main Street of today "into the magic of Amateur Radio."

First licensed in 1972 as WN5IGF, Harrison says he's interested in virtually all aspects of Amateur Radio, from HF DXing and contesting to VHF/UHF/microwave and moonbounce. He's an

ARRL Life Member. His wife, daughter and son all are Amateur Radio licensees. He'll become the League's 14th president since its founding in 1914.

Harrison said the ARRL's initiative to create an improved entry-level license also will be among his top priorities as he assumes office.

"It is imperative for the Amateur Radio Service that we have an entry-level license that provides a wide variety of privileges for an individual to get into radio and learn a little bit about all of it," Harrison said, adding that the League believes this approach will keep new licensees interested in ham radio.

Harrison also says he will promote the League's Petition for Rule Making (RM-11306) to have the FCC regulate Amateur Radio allocations by bandwidth. "Right now we do that by mode, and we're one of the few countries in the world that does that," he pointed out. "We need to change that and move forward with this initiative of regulation by bandwidth instead of mode."

Harrison said he will continue and build upon the League's emphasis on Amateur Radio's emergency communication role--especially in improving its response to catastrophic disasters like Hurricane Katrina--and on Haynie's "The Big Project" initiative to get ham radio into schools, known formally as the ARRL Education and Technology Program (ETP).

"Whether or not it generates a large number of radio amateurs, it provides an introduction to Amateur Radio to kids," Harrison said of the ETP. "Having that awareness of Amateur Radio and what it provides is vital," because it imparts a broad-based knowledge of the service to tomorrow's citizens and policymakers.

The ARRL Board also elected Vice President Kay Craigie, N3KN, as First Vice President, succeeding Harrison, and Delta Division Director Rick Roderick, K5UR, to Vice President, succeeding Craigie. Both were unopposed.

ARRL Delta Division Vice Director Henry Leggette, WD4Q, will become Division Director. A new Delta Division Vice Director will be appointed.

In addition, the Board re-elected ARRL CEO and Executive Vice President David Sumner, K1ZZ, COO Harold Kramer, WJ1B, Chief Development Officer Mary Hobart, K1MMH, Chief Financial Officer Barry Shelley, N1VXY, Treasurer Jim McCobb, K1LU, Chief Technology Officer Paul Rinaldo, W4RI, and International Affairs Vice President Rod Stafford, W6ROD.

All those elected will officially begin their new terms when the Board of Directors adjourns its current session.

The ARRL Board will meet again in July.

## *Frequency Flyers*

By Timothy Harper

Natural Disasters can bring out many heroes. Ham radio operators are usually among them.

It was the fourth night after Hurricane Katrina, and something like a thousand patients, doctors and staff were trapped at Medical Center Louisiana in downtown New Orleans, surrounded by floodwaters. Outside, reports were grim. People were drowning in their attics. Inside the hospital, there was no running water, no power, no phones and no Internet. Cell phones didn't work. Each day the authorities said evacuations were about to begin, but nothing happened.

The staff thought they'd seen everything the disaster could bring. Then, in the middle of the night, a pregnant woman dragged herself out of the foul, dark water surrounding the center's Charity Hospital, having managed to swim several blocks from her home, where she had been trapped. She was in labor and the pain was intensifying. By flashlight, doctors quickly determined that she needed a Caesarean section. But with no running water, no electricity, and no way to clean her up or to sterilize instruments, surgery was out of the question. The doctors conferred, and then sent Tim Butcher, at that time Charity's emergency operations director, upstairs to a conference room where a 5-foot-3-inch, middle-aged jazz musician, known for his cigarette-rasped voice and salty language, was sleeping on an air mattress. "Richard, wake up," Butcher said. "We need you."

Richard Webb, who happens to be legally blind, is one of the nation's more than 660,000 licensed amateur radio operators. (They're nicknamed "hams" for reasons that are unclear.) As an amateur radio operator and a member of the Mobile Maritime Network, Webb regularly relays messages from small boats, occasionally participates in small-vessel rescue operations and helps with tracking hurricanes.

Pitching in and helping is a long tradition among hams, particularly in times of emergency. In fact, the Federal Communications Commission's regulatory charge to amateur radio operators urges them to enhance communication, "particularly with respect to providing emergency communications." Whether it's an earthquake or a forest fire, a blizzard or a hurricane, when usual communication systems go down, ham radio operators are up, ready to connect the scene of disaster with the outside world. As the series of recent emergencies and other natural disasters so amply illustrates, hams are often the sole means of communication from disaster sites. Within minutes of the first impact in the World Trade Center attack on September 11, 2001—which put the radio and phone towers atop the building out of commission—ham radio operators set up an emergency network that authorities used to coordinate rescue operations.

When the phone lines are down and "wireless" takes on a whole new meaning, when cell phone and PDA networks fail and batteries go dead, when the lights go out, authorities fall back on this seemingly antiquated but always reliable form of communication. Amateur radio becomes quite literally a lifeline.

"Most communications systems are all going through some common chokepoint," says Allen Pitts, media and public relations manager of the American Radio Relay League. Whether it's a telephone switchboard, an Internet relay or a radio tower, "knock out that chokepoint, and the whole system fails," he says.

Rather than relying on a network, each ham operator has a complete, self-contained transmitting and receiving station. "There is no chokepoint," says Pitts. "They are like ants at a

picnic. You can knock out some, many or even most of them, and they still get to the food. Each one is a mobile, independent unit working in cooperation for a common goal."

Understandably, many government agencies and hospitals have enlisted amateur radio operators to be on call for emergencies. When the two hospitals making up New Orleans' Medical Center—University and Charity hospitals—decided to set up their station two years ago, they looked around for volunteers to run it. Richard Webb and his wife, Kathleen Anderson, who is also a ham, raised their hands. They set up the station and tested it every week or so.

The night before Katrina hit, Webb pushed Anderson—she uses a wheelchair—to their van and she drove them to the hospital from their small home in suburban Slidell, Louisiana. Pretty much every other vehicle they encountered during that 30-mile trip was heading out of, not into, downtown New Orleans. At the hospital, this unlikely A-Team—a blind man and a woman in a wheelchair—set up their antennas and gasoline-fired generators, got on the air, tracked the approaching storm and rode it out.

Like much of New Orleans, the hospital suffered relatively little damage from Katrina directly. Then the levees broke. Soon the hospital was isolated, an island surrounded by water 10 feet deep in places. (And, yes, when the power went out, a hospital staffer did offer Webb a flashlight. "Thanks," he said, "but I don't need it.")

Webb and Anderson kept communications going 20 hours a day, relaying messages to and from the state command center in Baton Rouge. They passed along the hospital staff's requests for food, drinkable water, medicine, bedding, cleaning supplies and more. Authorities repeatedly told Webb that rescuers were coming to evacuate the hospital—later that day, in a few hours, the next day—but day after day, nobody showed up. Coast Guard boats delivered supplies, and took out a handful of patients who needed critical care, including babies in incubators.

Webb and Anderson listened in on the emergency networks and heard how other hams, including many who drove in from all over the country,

were a vital part of numerous rescues. In hundreds of cases, people trapped by floodwaters in homes or on rooftops tried calling 911 on their cell phones. The calls wouldn't go through. So they called relatives in other parts of the country, sometimes a thousand miles away, and the relatives in turn dialed 911. Their local emergency dispatchers then would pass along messages to ham radio operators who contacted rescuers in New Orleans: There are three people trapped in an attic at this address . . . five on the roof of this building . . . 15 on an overpass at this intersection.

A word about all this relaying. While most of today's sophisticated communications equipment uses horizon-to-horizon, line-of-sight radio frequencies, ham radio must rely on lower frequencies for long-distance transmission. "Low-frequency waves do an interesting thing," says Pitts. "They ricochet. These waves bounce off the ionosphere, 60 miles over your head." Depending on atmospheric conditions, some days you can communicate more clearly with another ham operator in Kenya than with your buddy across town. "By using different frequencies, directions and means, ham operators learn the art form of getting them to bounce where they want them to go," Pitts says.

Webb took one call from a teenager who had a brand-new license with no kind of emergency training. He was in a school building with a number of other people, and nobody knew they were there. Two babies needed formula, and an elderly man needed a respirator. Webb relayed the call, and the group was rescued.

As the week wore on—the storm hit on a Monday night—more and more people began stopping by Webb's radio room, the only link to the outside world. When he could, he sent out word from hospital staffers and patients to their families: I'm at the hospital, I'm OK, I hope to be evacuated soon, I'll call you when I can. Hams who received the messages in other parts of the country telephoned or e-mailed the families.

A number of people tried to pay Webb for sending out their messages. "Sorry, can't take it," he'd growl. "Not allowed. I'm strictly a volunteer."

Sometimes during lulls between radio transmissions he pulled out his guitar. Small crowds gathered, welcoming the diversion. Webb became a rare source of light and calm in the darkness and confusion of a disaster scene.

The night the woman in labor swam to the hospital, Tim Butcher shook Richard Webb awake and told him that she needed a helicopter. "We have a two-hour window to get her out of here," Butcher said. Otherwise the mother would probably die, and the baby might, too. Webb ran to his radio, broke in on the network, and tried to relay a message to anyone.

On this evening, the first ham that Webb could reach was a fellow member of the Mobile Maritime Network in Texas. The Texas ham contacted a Network member in Cleveland—who was also an auxiliary Coast Guard officer. The Cleveland ham contacted his superior officers, and within a short time the patient was being airlifted to another hospital, where she had a C-section. At last report both mother and baby were doing well.

Webb saved one life that night, Butcher says, maybe two. And no one knows how many other people at the hospital might have died if Webb and his radio had not been there. Butcher's sure of one thing: "Richard is a real hero."

## Four Lakes Club Items

### *The NEW Feedline*

Beginning in January 2006, *The Feedline* newsletter will be provided to the membership in electronic format only. Each member will be sent a PDF (Adobe Acrobat file) copy of the newsletter in full color. Please be sure you renew your membership and put your e-mail address on the form. If you prefer to send your e-mail address directly to the editor, please send it to [w9ral@aol.com](mailto:w9ral@aol.com) or [w9ral@arrl.net](mailto:w9ral@arrl.net). File size will be kept to a minimum to allow for fast as possible downloads from your Internet Service Provider.

### *Looking for Fun at Field Day?*

FLARC is looking for a volunteer to be the chairperson for the Field Day event in June, 2006. If you have an interest in Field Day, and would like to be on the cutting edge of Field Day activities, contact Frederick or John, the FLARC President or Vice President, respectively.

A site for Field Day 2006 has been selected, which will be Token Creek County Park, near I-90 and Hwy 51, northeast of Madison. This appears to be a very good location, and a map of the location has been attached at the end of this newsletter.

### *FLARC Treasurer's Report*

The FLARC treasurer reports \$ 4098.86 in our banking account at the January meeting, and a total of 99 members in the club.

### *Technician Class in February 2006*

A Technician License training class was held February 11 and 12, 2006, at Space Place in Madison. And from the class, along with others, 14 students passed the Technician exam, and 1 passed the General exam. **Congratulations!!**

A General License training class will be held this May. Please contact Don Michalski, W9IXG, for more information.

### *The Big Project Update*

The Big Project is OFF for the moment. Our school has no instructor for the program, so we are "back to square one." If you know of a local school which would be interested in beginning an amateur radio program, please contact Don Michalski, W9IXG, or Frederick Baguhn, W9GOC.

### *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 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. We are currently searching for a member who would like to be the Coordinator of the Elmer Program for FLARC. If you are interested, please contact Frederick, W9GOC, or John, WZ9I. Let us all get involved in helping others become better amateur radio operators. *BECOME AN ELMER!*

## 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](mailto:KG9NG@arrl.net)  
608 246-8582, 24-hour machine.

## Buck Nite Winner at FLARC

The Buck Night Winner at the January meeting was W9CAR, Repeater Directory was KC9FKV.

## 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) .

## Member Birthdays

### February:

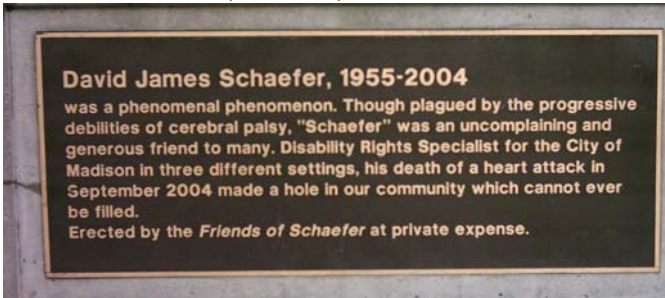
- 4 N9CK—Steven Franzen
- 9 W9UPK—Colin Wheatley
- 15 KC9EHR—Mark Kovelan
- 25 N9UDG—George Edgerton
- 27 K9REO—Jim Lattis

### March:

- 2 N9KAN—Jim Kalrath
- 3 WA9PUX—Ralph Gable
- 4 N9HNN—John Pellet
- KB9TPQ—Tom Garrison
- 27 KC9CHL—Blake Johnson
- KF9AQ—Kevin Graniero
- 30 WB9NOV—Frank Holliday

## A Tribute at Madison Municipal Building

For Dave Schaefer, N9DMS, SK



## Wisconsin Items

### Wisconsin QSO Party

March 12, 2006 noon CST ( 1800 Z ) to 7 PM CST ( 0100 Z March 13 ).

Phone and CW - all stations may be worked once per mode - ALL amateur modes and bands may be used where contesting is not prohibited. In addition mobiles may be worked once per mode per Wisconsin county that they operate from. Mobiles may not sit on a county line to operate.

Frequencies ( MHz ): CW 3.550, 3.705, 7.050, 14.050, 15M, 10M, 6M, 2M and up. Phone 3.890, 7.230, 14.290, 21.350, 28.400, 6M, 2M and up. No repeater QSOs.

Categories: Single Op Fixed, Single Op Mobile, Single Op Novice, Single Op Technician, Multi Op Fixed, Multi Op Mobile, Multi Op Technician, Multi Multi Op Fixed and Multi Multi Op Mobile.

Exchange: Stations in Wisconsin send WISCONSIN county. Stations out of Wisconsin send State, or Canadian Province or Country.

SCORING: Phone = 1 pt, CW = 2 pts ( digital scores as CW ). Multiply CW + phone points by power multiplier to determine CONTACT points. Power multiplier: x2 ( <5 W ), x1.5 ( <150 W ), x1 ( >150 W ). Final Score: WI stations - multiply contact points by sum of WI counties ( 72 ) + states ( 50 ) + provinces ( 13 ). Note - DX countries worked count for QSO points but not as multipliers. WI mobiles and portables may add 500 bonus points for each county that you operate from, outside of your home county, with a minimum of 12 QSOs per county to qualify. Non Wisconsin stations - multiply contact points by the number of WI counties worked.

Full entry information on [www.warac.org](http://www.warac.org) including information on electronic log format. Questions to K9KR.

Logs due April 13 to "k9kr@arrl.net" OR to Wisconsin QSO Party, West Allis RAC, PO Box 1072, Milwaukee, WI 53201.

FLARC contact is Terry, WU9F, [tabachmann@tds.net](mailto:tabachmann@tds.net) , and see further information in the back of this month's *The Feedline*.

### 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=WI>.

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).

## For Weather Net Folks

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

## 2006 Severe Weather Spotter Class Schedule (subject to change)

Mar 02-04	no spotter classes
Mar 06	Milwaukee Co. - City of Milwaukee - Milwaukee Fire & Police Academy, 6680 N. Teutonia Ave., 600-830 pm
Mar 07	Milwaukee Co. - City of Franklin - Milwaukee Police Academy, 1000 amnoon, 100-300 pm (both classes - dispatchers only)
Mar 07	Milwaukee Co. - City of Milwaukee - Red Cross Bldg at 26th and Wisconsin 700-815 pm, (for hams only)
Mar 08	Rock Co. - afternoon and evening classes for sure, possibly a morning class, time/location TBD.
Mar 09	Waukesha Co. - Waukesha Memorial Hospital, 630-830 pm
Mar 13	Kenosha Co. - Kenosha County Center at intersection of Hwy 50 & 45, 630-830pm (basic)
Mar 14	Dane Co. - Monona - Monona Community Center (old city hall), 1011 Nichols Rd., 630-830 pm
Mar 15	Columbia Co. - Portage - Law Enforcement Center, John Roach room, 711 East Cook, 630-830 pm
Mar 16	Sauk Co. - Baraboo - West Square Bldg, 3rd floor county board room, 10-noon (basic)
Mar 16	Sauk Co. - Baraboo - West Square Bldg, 3rd floor county board room, 2-4 pm (advanced)
Mar 18	Milwaukee Co. - Greenfield High School, MASA event, TBD
Mar 20	Dane Co. - Sun Prairie - City Hall, 300 E. Main St., 630-830 pm
Mar 21	Fond du Lac Co. - City of Fond du Lac - in basement of County Courthouse - 630-830 pm, open only to law enforcement officials, firefighters, hams, and emergency responders

Mar 22	Sheboygan Co. - City of Sheboygan - UW Campus - Large bldg on southwest side of campus, 630-830 pm
Mar 23	Ozaukee Co. - Port Washington - Sheriff Bldg. in basement, 630-830 pm
Mar 27	Green Lake Co. - Berlin Fire Dept., 630-830 pm
Mar 28	Walworth Co. - East Troy Fire Dept., 630-830 pm
Mar 29	Dane Co. - Madison - Alliant Center? 630-830 pm
Mar 30	Dodge Co. - Juneau - County Admin Bldg (in city square), 630-830 pm
Apr 3-5	Gov Conf - no spotter classes
Apr 06	Marquette Co. - Montello - Sheriff/Public Safety Bldg., 1-3 pm
Apr 06	Marquette Co. - Montello - Sheriff/Public Safety Bldg., 630-830 pm
Apr 10	no spotter classes
Apr 11	Green Co. - perhaps 3 classes
Apr 12	Lafayette Co. - Darlington - Courthouse board room, 630-830 pm
Apr 13	Iowa Co. - Dodgeville - Courthouse 2nd floor, 630-830 pm
Apr 17	Washington Co. - St. Lawrence Fire Dept., 2-4 pm
Apr 17	Washington Co. - St. Lawrence Fire Dept., 630-830 pm
Apr 18	Kenosha Co. - Kenosha County Center at intersection of Hwy 50 & 45, 630-830pm, (advanced)
Apr 19	Jefferson Co. - City of Jefferson - Courthouse board room 2nd floor, 630-830 pm
Apr 20	drill day, no spotter classes
Apr 27	Racine Co. - Gateway Tech in Racine, Racine Bldg, 630-830 pm

## 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.

Submitted by Kevin, K9EV.

### And Also...

The Milwaukee Area Skywarn Association (storm spotters) webpage has a state-wide list of

frequencies used for severe weather reporting.

Follow the link near the top of the page:

<http://www.mke-skywarn.org> .

## ARRL Items

### *W1AW 2006 Winter Operating Schedule*

The W1AW Operating Schedule may also be found on page 98 in the January 2006 issue of QST or on the web at, <http://www.arrl.org/w1aw.html> .

### *ARRL EXPERIMENTING WITH ICOM D-STAR DIGITAL SYSTEM*

Thanks to the generosity of Icom, MFJ and NCG (Comet), the ARRL has embarked on a project to learn firsthand what D-Star <http://www.arrl.org/FandES/field/regulations/techch/ar/> digital technology has to offer and to assess its capabilities in a real-world Amateur Radio environment. Icom, so far the only ham radio manufacturer offering D-Star equipment, has donated a D-Star voice repeater, data repeater and controller to W1AW. Eight model ID-1 D-Star 10 W mobile transceivers are on loan from the manufacturer.

"We appreciate Icom's cooperation and support as we explore D-Star's capabilities and learn more about digital radio systems," ARRL CEO David Sumner, K1ZZ, said in expressing the League's gratitude.

MFJ donated an MFJ-1532N Pulsar, which is serving as the transmitting antenna, while NCG contributed a pair of Comet GP21 antennas to receive digital data and voice for the 1.2 GHz (23 cm) multipurpose D-Star system. The antennas have been installed on two of the W1AW antenna support structures.

Although still in the early phase, the project plans to exercise the technology's digital voice and data capabilities as well as its capability to become part of a wider D-Star digital repeater network via an Internet gateway.

Icom Amateur Products Division Manager Ray Novak, N9JA, says the D-Star standard, first published four years ago, resulted from government-funded research in Japan administered by the Japan Amateur Radio League (JARL) to investigate Amateur Radio digital technologies. Novak emphasizes that D-Star is an open protocol that's available for implementation by anyone, and Icom is working with other manufacturers to get more D-Star compatible gear on the market.

"Amateur Radio is again out there in the forefront of technology," Novak says. Although he concedes there's a steep learning curve ahead, he predicts Amateur Radio users will invent new ways to put D-Star technology to work as they get better acquainted with its possibilities.

At this stage, the D-Star 23-cm repeater is up and running in digital voice mode, and W1AW Station Manager Joe Garcia, NJ1Q, and ARRL Web and Software Development Manager Jon Bloom, KE3Z, enjoyed the first contact through the repeater on November 30. In the meantime, Bloom has been working to interface the D-Star system with a Linux server, which will serve as an Internet gateway, to check out that aspect of the system.

Novak says the digital voice stream can simultaneously handle voice at 3600 bps with error correction and data at up to 1200 bps. Since a D-Star voice signal occupies only 6.25 kHz, Novak says, the potential is there to make more efficient use of available spectrum on 2 meters by squeezing up to four D-Star repeaters into the same space as two analog channels. New repeater modules are in development for 2 meters and 70 cm.

Working through a D-Star repeater is a bit different than using an analog repeater. Your call sign is the key to a D-Star system, since it's incorporated into every transmission you make. "Because of D-Star's call sign-routed system," Novak explained, "registered users are able to cross-communicate with stations registered on another network's D-Star repeater, wherever it may be."

Novak says the 1.2 GHz D-Star system's high-speed

(128 kbps) data capability is another exciting feature. With the Ethernet jack on the Icom ID-1 transceiver, you now have the functionality of an ISDN (integrated services digital network) line available in your vehicle," Novak said.

"We'll have to find new ways of using this technology," he continued. "That will be where ham radio changes. This opens up an unbelievable array of features for repeater systems--including graphics, schedules, tables, photos, you name it!"

A D-Star Last Heard Report Web page <http://www.dstarusers.org/> lists stations heard, their location and the date and time and, sometimes, type of transmission. The K5TIT Dallas D-Star Web site <http://www.k5tit.org/> includes a repeater listing and a discussion forum, and a promise of more to come.

## Information Locator

### Amateur Radio Web Sites

MARA	<a href="http://www.gsl.net/mara">www.gsl.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.

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

Other interesting sites are [www.gsl.net](http://www.gsl.net) and [www.grz.com](http://www.grz.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.

### 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 about to answer 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 sections 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 amateur radio. We shall put the items together, and begin the QRP Section in next months *The Feedline*.

Thanks in advance, and we look forward to hearing from you. (Remember, submissions may

be greater than 5 watts at the output/input for this section.)

## *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/>

## 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.

## 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 can be sent to Steve Elliott, W9RAL editor, [w9ral@aol.com](mailto:w9ral@aol.com), and will be

posted for 3 months. Continuations for additional months can also be sent to Steve.

### FOR SALE

Great Prices -- local ham selling as follows:

- Vertical antenna - Eagle by Gap - list \$239 plus shipping, now \$50.
- Rig Blaster - manual uncertain but guaranteed, list \$129 - now \$20.
- 2 coax cables - make offer.

Bill Gulley, KB9SUP, 218-9293,  
[bgulley@charter.net](mailto:bgulley@charter.net)

(Jan2006)

### FOR SALE

Mosley TA-33 3 element/3 band beam. \$50.00

Pick up only, no shipping.

Roger, K9EMG at +1 (608) 221-8496. (Jan2006)

### 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

I have a Barker & Williamson BWDS-1.8-30 stainless steel folded dipole for sale.

The antenna covers 1.8 - 30 MHz CONTINUOUS with an SWR under 2:1 and is rated at 2KW PEP SSB/CW. It also covers 30 - 54 MHz CONTINUOUS with an SWR of under 3:1.

This is the model made of more durable stainless steel wire not the copperweld version. It is a great antenna for both ham radio and shortwave radio listening. See the review of this antenna in the Popular Communications article at the following link:

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

The list price at AES for the stainless version of this antenna is \$374 plus shipping. (The new part number is BWDS-90). Since the antenna is new and has never been taken out of the box I think that \$300 would be a fair price for it.

I've also attached the Popular Communications review of the antenna. (E-mail [w9ral@aol.com](mailto:w9ral@aol.com) for a copy to be sent to you.)

If interested please email me privately or call me at 847-867-2774. Thanks.

73, Mark, WB9QZB

(Feb2006)

(inspired by *Tetris*) makes acquiring the code effortless.

**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/>

## 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.



### *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*®. This highly motivating game

# 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> .

February, 2006	
Vermont QSO Party	0000Z, Feb 4 to 2400Z, Feb 5
YL-ISSB QSO Party	0000Z, Feb 4 to 2359Z, Feb 5
10-10 Int. Winter Contest, SSB	0001Z, Feb 4 to 2359Z, Feb 5
YLRL YL-OM Contest, CW	1400Z, Feb 4 to 0200Z, Feb 6
Minnesota QSO Party	1400Z-2400Z, Feb 4
AGCW Straight Key Party	1600Z-1900Z, Feb 4
Delaware QSO Party	1700Z, Feb 4 to 0500Z, Feb 5 and 1300Z, Feb 5 to 0100Z, Feb 6
Mexico RTTY International Contest	1800Z, Feb 4 to 1759Z, Feb 5
North American Sprint, SSB	0000Z-0400Z, Feb 5
ARCI Winter Fireside SSB Sprint	2000Z-2400Z, Feb 6
ARS Spartan Sprint	0200Z-0400Z, Feb 7
KCJ Topband Contest	1200Z, Feb 9 to 1200Z, Feb 10
CQ WW RTTY WPX Contest	0000Z, Feb 11 to 2400Z, Feb 12
New Hampshire QSO Party	0001Z, Feb 11 to 0001Z, Feb 13
SARL Field Day Contest	1000Z, Feb 11 to 1000Z, Feb 12
Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 11
Dutch PACC Contest	1200Z, Feb 11 to 1200Z, Feb 12
YLRL YL-OM Contest, SSB	1400Z, Feb 11 to 0200Z, Feb 13
Louisiana QSO Party	1500Z, Feb 11 to 0300Z, Feb 12
OMISS QSO Party	1500Z, Feb 11 to 1459Z, Feb 12
FISTS Winter Sprint	1700Z-2100Z, Feb 11
British Columbia QSO Challenge	1800Z, Feb 11 to 1800Z, Feb 12
RSGB 1st 1.8 MHz Contest, CW	2100Z, Feb 11 to 0100Z, Feb 12
North American Sprint, CW	0000Z-0400Z, Feb 12
ARRL School Club Roundup	1300Z, Feb 13 to 2400Z, Feb 17
AGCW Semi-Automatic Key Evening	1900Z-2030Z, Feb 15
ARRL Inter. DX Contest, CW	0000Z, Feb 18 to 2400Z, Feb 19
Run for the Bacon QRP Contest	0200Z-0400Z, Feb 20
Russian PSK WW Contest	2100Z, Feb 24 to 2100Z, Feb 25
CQ 160-Meter Contest, SSB	0000Z, Feb 25 to 2359Z, Feb 26
REF Contest, SSB	0600Z, Feb 25 to 1800Z, Feb 26
UBA DX Contest, CW	1300Z, Feb 25 to 1300Z, Feb 26
Mississippi QSO Party	1500Z, Feb 25 to 0300Z, Feb 26
CZEBRIS Contest	1600Z, Feb 25 to 2400Z, Feb 26
North American QSO Party, RTTY	1800Z, Feb 25 to 0600Z, Feb 26
High Speed Club CW Contest	0900Z-1100Z, Feb 26 and

	1500Z-1700Z, Feb 26
North Carolina QSO Party	1700Z, Feb 26 to 0300Z, Feb 27
CQC Winter QSO Party	2200Z, Feb 26 to 0359Z, Feb 27

March, 2006	
ARRL Inter. DX Contest, SSB	0000Z, Mar 4 to 2400Z, Mar 5
Wake-Up! QRP Sprint	0400Z-0429Z, Mar 4 and
	0430Z-0459Z, Mar 4 and
	0500Z-0529Z, Mar 4 and
	0530Z-0600Z, Mar 4
Open Ukraine RTTY Championship	2200Z-2359Z, Mar 4 (Low Band) and
	0000Z-0159Z, Mar 5 (Low Band) and
	0800Z-1159Z, Mar 5 (High Band)
DARC 10-Meter Digital Contest	1100Z-1700Z, Mar 5
RSGB 80m Club Championship, Data	2000Z-2130Z, Mar 6
ARS Spartan Sprint	0200Z-0400Z, Mar 7
AGCW YL-CW Party	1900Z-2100Z, Mar 7
Pesky Texan Armadillo Chase	0230Z-0400Z, Mar 9
RSGB Commonwealth Contest	1000Z, Mar 11 to 1000Z, Mar 12
Idaho QSO Party	1300Z, Mar 11 to 0100Z, Mar 12 and
	1300Z, Mar 12 to 0100Z, Mar 13
AGCW QRP Contest	1400Z-2000Z, Mar 11
Oklahoma QSO Party	1400Z, Mar 11 to 0200Z, Mar 12 and
	1400Z-2000Z, Mar 12
North American Sprint, RTTY	0000Z-0400Z, Mar 12
UBA Spring Contest, CW	0700Z-1100Z, Mar 12
NSARA Contest	1200Z-1600Z, Mar 12 and
	1800Z-2200Z, Mar 12
Wisconsin QSO Party	1800Z, Mar 12 to 0100Z, Mar 13
RSGB 80m Club Championship, CW	2000Z-2130Z, Mar 15
SARL VHF/UHF Contest	1600Z, Mar 17 to 1600Z, Mar 18 and
	1600Z, Mar 18 to 1000Z, Mar 19
10-10 Int. Mobile Contest	0001Z-2359Z, Mar 18
BARTG Spring RTTY Contest	0200Z, Mar 18 to 0200Z, Mar 20
Russian DX Contest	1200Z, Mar 18 to 1200Z, Mar 19
AGCW VHF/UHF Contest	1600Z-1900Z, Mar 18 (144) and
	1900Z-2100Z, Mar 18 (432)
CLARA and Family HF Contest	1700Z, Mar 18 to 1700Z, Mar 19
Virginia QSO Party	1800Z, Mar 18 to 0200Z, Mar 20
UBA Spring Contest, 6m	0700Z-1100Z, Mar 19
9K 15-Meter Contest	1200Z-1600Z, Mar 19
Run for the Bacon QRP Contest	0200Z-0400Z, Mar 20
RSGB 80m Club Championship, SSB	2000Z-2130Z, Mar 23
CQ WW WPX Contest, SSB	0000Z, Mar 25 to 2359Z, Mar 26
UBA Spring Contest, 2m	0600Z-1000Z, Mar 26

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

*Revision Date: March 13, 2005*

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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

### February 2006 QRP CONTEST CALENDAR

#### 40 METER FOXHUNT - Each Friday 0200z to 0329z

(Thurs 9 PM to 10:29 PM EST)

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

#### Vermont QSO Party (CW/Ph)

Feb 4, 0000z to Feb 5, 2400z

Rules: <http://www.ranv.org/vtqso.html>

#### 10-10 Int. Winter Phone QSO Party ... QRP Category

Feb 4, 0001z to Feb 5, 2359z

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

#### Minnesota QSO Party (All) ... QRP Category

Feb 4, 1400z to 2400z

Rules: <http://www.w0aa.org/>

#### FYBO Winter QRP Field Day (CW/SSB) ... QRP Contest!

Feb 4, 1400z to 2400z

Rules: [http://www.azscqrptions.org/FYBO2006\\_01032006.htm](http://www.azscqrptions.org/FYBO2006_01032006.htm)

#### AGCW Straight Key QSO Party (CW 80M) ... QRP Category

Feb 4, 1600z to 1900z

Rules: [http://www.agcw.org/agcw-con/2006/Englisch/htp\\_e.htm](http://www.agcw.org/agcw-con/2006/Englisch/htp_e.htm)

#### Delaware QSO Party (All)

Feb 4, 1700z to Feb 5, 0500z

Feb 5, 1300z to Feb 6, 0100z

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

#### North American Sprint (SSB) ... QRP Category

Feb 5, 0000z to 0400z

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

#### QRP ARCI Fireside Sprint (SSB) ... QRP Contest!

Feb 5, 2000z to 2400z

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

#### Adventure Radio Society - Spartan Sprint (CW) ... QRP Contest!

Feb 7, 0200z to 0400z (First Monday 9 PM EST)

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

#### CQ WW RTTY WPX Contest ... Low Power Category

Feb 11, 0000z to Feb 12, 2400z

Rules: <http://www.cg-amateur-radio.com/awards.html>

**Northern New York Section QSO Party (All)**

Feb 11, 0000z to Feb 12, 2359z

Rules: <http://www.nnyara.org/qso2006.htm>

**New Hampshire QSO Party (Ph/CW/Dig) ... QRP Category**

Feb 11, 0001z to Feb 13, 0001z

Rules: <http://www.wz1f.net/>

**Dutch PACC Contest (SSB/CW) ... QRP Category**

Feb 11, 1200z to Feb 12, 1200z

Rules: <http://www.veron.nl/pacc/rules2006.html>

**Louisiana QSO Party (Ph/CW)**

Feb 11, 1500z to Feb 12, 0300z

Rules: <http://lagso.w5yl.org/>

**FISTS Winter Sprint (CW of course) ... QRP Category**

Feb 11, 1700z to 2100z

Rules: <http://www.fists.org/sprints.html>

**British Columbia QSO Challenge (CW/Ph/Dig) ... QRP Category**

Feb 11, 1800z to Feb 12, 1800z

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

**North American Sprint (CW) ... QRP Category**

Feb 12, 0000z to 0400z

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

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

EST: Feb 14, 8:30 PM to 10:30 PM

UTC: Feb 15, 0130Z to 0330Z

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

**ARRL International DX Contest (CW) ... QRP Category**

Feb 18, 0000z to Feb 19, 2400z

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

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

EST: Feb 19, 9 PM to 11 PM

UTC: Feb 20, 0200z 0400z

Rules: <http://fpqrp.com>

**CQ WW 160-Meter DX Contest (SSB) ... QRP Category**

Feb 25, 0000z to Feb 26, 2359z

Rules: <http://www.cg-amateur-radio.com/awards.html>

**REF (French) SSB Contest ... QRP Category**

Feb 25, 0600z to Feb 26, 1800z

Rules: <http://www.hornucopia.com/contestcal/weeklycont.php> AND  
[http://concours.ref-union.org/reglements/actuels/reg\\_cdfhf\\_fr\\_0503.pdf](http://concours.ref-union.org/reglements/actuels/reg_cdfhf_fr_0503.pdf)

**UBA DX Contest - Belgium (CW) ... QRP Category**

Feb 25, 1300z to Feb 26, 1300z

Rules: [http://www.uba.be/hf\\_contests/rules\\_en.html#](http://www.uba.be/hf_contests/rules_en.html#)

**Mississippi QSO Party (Ph/CW)**

Feb 25, 1500z to Feb 26, 0300z

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

**High Speed CW Club Contest ... QRP Category**

Feb 26, 0900z to 1100z and 1500z to 1700z

Rules: <http://www.dl3bzz.de/html/hscconte.html>

**North Carolina QSO Party (CW/SSB) ... 100W all QSOs**

Feb 26, 1700z to Feb 27, 0300z

Rules: <http://www.w4nc.com/pages/1/index.htm>

**Colorado QRP Club Winter QSO Party (CW/SSB) ... QRP Contest!**

Feb 26, 2200z to Feb 27, 0359z

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

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.

.....



# 2006 WISCONSIN QSO PARTY RULES

Sponsored by the West Allis Radio Amateur Club, Inc.

P. O. Box 1072 · Milwaukee, WI 53201

[www.warac.org](http://www.warac.org)

- DATE/TIME:** 1800Z MARCH 12 - 0100Z MARCH 13, 2006
- MODES:** CW and Phone. All stations may be worked once per mode on each band. In addition, mobiles may be worked once per mode per Wisconsin county that they operate from. **Mobiles cannot sit on a county line.**
- ENTRY CLASSES:**
- |                        |                       |                            |
|------------------------|-----------------------|----------------------------|
| Single Operator Fixed  | Multi Operator Fixed  | Multi Xmtr/Multi Op Fixed  |
| Single Operator Mobile | Multi Operator Mobile | Multi Xmtr/Multi Op Mobile |
| Single Operator Novice | Single Operator Tech  | Multi Operator Tech        |
- POWER LEVEL:** **HIGH** (over 150 W), **LOW** (5 to 150 W), **QRP** (less than 5 W). (*Choose only one*)
- EXCHANGE:** Wisconsin stations send county. Non-Wisconsin stations send state or province or country.
- SUGGESTED FREQUENCIES:** CW: 3550, 3705, 7050, 7125, 14050, 15M CW, 10M CW, 6M CW, 2M CW  
Phone: 3890, 7230, 14290, 21350, 28400, 6M SSB & FM, 2M SSB & FM  
*ALL amateur bands and modes, where contesting is not prohibited, may be used.*
- SCORING:** Phone contacts count 1 QSO Point; CW contacts count 2 QSO Points. No Repeater QSOs.  
Multiply CW + phone points by power level multiplier to determine CONTACT POINTS.  
WISCONSIN STATIONS: Multiply CONTACT points by the sum of Wisconsin counties (max. 72), plus states (max. 50) plus Canadian provinces (max. 13) worked. Note: DX countries worked count for QSO points but not as multipliers.  
NON-WISCONSIN STATIONS: Multiply CONTACT points by the number of Wisconsin counties worked (max. 72).
- BONUS:** WISCONSIN MOBILES/PORTABLES: Add 500 bonus points for each county that you operate from, outside your home county, with a minimum of 12 QSOs per county to qualify.
- LOGS:** Entries must contain a log consisting of: Time (GMT), call, band, state/province, Wisconsin county, mode and a complete Score Summary including YOUR name, address and call. Circle new multipliers as worked. Logs containing more than **200** QSOs must be accompanied by a dupe sheet (separate dupe sheet for each mode). Mobile entries must indicate county changes in log. Please use an official Wisconsin QSO Party entry form, available from our Web page. Entries must be postmarked by **April 12, 2006** and sent to:

WISCONSIN QSO PARTY  
WEST ALLIS RADIO AMATEUR CLUB  
P. O. BOX 1072  
MILWAUKEE, WI 53201

- AWARDS:**
- WISCONSIN: Awards will be presented to the following:
- Highest single operator score in the QSO Party.
  - 10 highest single operator scores in each entry class.
  - Highest multi-operator score in each entry class.
  - Highest aggregate club score (club member stations to be located within 50 miles of the club, except for mobiles).
- NON-WISCONSIN: Awards will be presented to the following:
- Highest single operator score in the QSO Party.
  - Highest single operator score in each single operator category in each state/province.



# OFFICIAL SCORE SUMMARY SHEET

## 2006 WISCONSIN QSO PARTY

Sponsored by the West Allis Radio Amateur Club, Inc.  
P. O. Box 1072 • Milwaukee, WI 53201

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip \_\_\_\_\_

Home WI County \_\_\_\_\_ Club Affiliation \_\_\_\_\_

**ENTRY CLASS: Choose one**     Single OP Fixed     Multi OP Fixed     Multi Xmtr-Multi OP Fixed

Single OP Mobile     Multi OP Mobile     Multi Xmtr-Multi OP Mobile

Single OP Novice     Single OP Tech     Multi OP Tech

**POWER LEVEL: Choose one**     HIGH     LOW     QRP

WI Counties Worked From \_\_\_\_\_

### CONTACT POINTS:

CW QSOs \_\_\_\_\_ x 2 = \_\_\_\_\_ CW Points

Phone QSOs \_\_\_\_\_ x 1 = \_\_\_\_\_ Phone Points      Sum of CW + Phone Points = \_\_\_\_\_

Power HIGH (over 150 watts)      Sum of CW + Phone Points x 1.0 = \_\_\_\_\_

LOW ( 5 watts to 150 watts)      Sum of CW + Phone Points x 1.5 = \_\_\_\_\_

QRP ( less than 5 watts)      Sum of CW + Phone Points x 2.0 = \_\_\_\_\_

TOTAL CONTACT POINTS = \_\_\_\_\_

### MULTIPLIERS:

Wis. Counties (Max. 72) \_\_\_\_\_

States (Max. 50) \_\_\_\_\_

Provinces (Max. 13) \_\_\_\_\_

TOTAL MULTIPLIERS = \_\_\_\_\_

**SCORING:** CONTACT POINTS x MULTIPLIERS = \_\_\_\_\_ Points

BONUS POINTS = \_\_\_\_\_ Points

FINAL SCORE = \_\_\_\_\_ Points

I have followed the 2006 Wisconsin QSO Party rules. (ALL OPERATORS must sign - CLEARLY - including callsign -

Signature(s) \_\_\_\_\_ Date \_\_\_\_\_

All entries must be sent to: 2006 WISCONSIN QSO PARTY, WEST ALLIS RADIO AMATEUR CLUB, P. O. BOX 1072, MILWAUKEE, WI 53201, postmarked no later than April 12, 2006. The Wisconsin QSO Party Committee may disqualify late entries and/or those entries with QSO Party Rules violations. The decision of the Wisconsin QSO Party Committee shall be final. Results will be available on the internet at [www.warac.org](http://www.warac.org) - OR - by submitting an SASE with entry.

# WISCONSIN QSO PARTY

Sponsored by the West Allis Radio Amateur Club, Inc.

P. O. Box 1072 • Milwaukee, WI 53201

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WISCONSIN COUNTIES			STATES		PROVINCES
ADA Adams	IOW Iowa	POL Polk	AL Alabama	MT Montana	ALB Alberta
ASH Ashland	IRO Iron	POR Portage	AK Alaska	NE Nebraska	BC British Columbia
BAR Barron	JAC Jackson	PRI Price	AZ Arizona	NV Nevada	LAB Labrador
BAY Bayfield	JEF Jefferson	RAC Racine	AR Arkansas	NH New Hampshire	MTB Manitoba
BRO Brown	JUN Juneau	RIC Richland	CA California	NJ New Jersey	NB New Brunswick
BUF Buffalo	KEN Kenosha	ROC Rock	CO Colorado	NM New Mexico	NEW Newfoundland
BUR Burnett	KEW Kewaunee	RUS Rusk	CT Connecticut	NY New York	NWT Northwest Territory
CAL Calumet	LAC La Crosse	SAU Sauk	DE Delaware	NC North Carolina	NS Nova Scotia
CHI Chippewa	LAF Lafayette	SAW Sawyer	FL Florida	ND North Dakota	ONT Ontario
CLA Clark	LAN Langlade	SHA Shawano	GA Georgia	OH Ohio	PEI Prince Edward Island
COL Columbia	LIN Lincoln	SHE Sheboygan	HI Hawaii	OK Oklahoma	QUE Quebec
CRA Crawford	MAN Manitowoc	STC St Croix	IA Iowa	OR Oregon	SAS Saskatchewan
DAN Dane	MAR Marathon	TAY Taylor	ID Idaho	PA Pennsylvania	YT Yukon Territory
DOD Dodge	MRN Marinette	TRE Trempealeau	IL Illinois	RI Rhode Island	
DOO Door	MRQ Marquette	VER Vernon	IN Indiana	SC South Carolina	
DOU Douglas	MEN Menominee	VIL Vilas	KS Kansas	SD South Dakota	
DUN Dunn	MIL Milwaukee	WAL Walworth	KY Kentucky	TN Tennessee	
EAU Eau Claire	MON Monroe	WSB Washburn	LA Louisiana	TX Texas	
FLO Florence	OCO Oconto	WAS Washington	MD Maryland/(D.C.)	UT Utah	
FON Fond du Lac	ONE Oneida	WAU Waukesha	MA Massachusetts	VT Vermont	
FOR Forest	OUT Outagamie	WAP Waupaca	ME Maine	VA Virginia	
GRA Grant	OZA Ozaukee	WSR Waushara	MI Michigan	WA Washington	
GRE Green	PEP Pepin	WIN Winnebago	MN Minnesota	WV West Virginia	
GRL Green Lake	PIE Pierce	WOO Wood	MS Mississippi	WI Wisconsin	
			MO Missouri	WY Wyoming	