



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

July 2006:

- 1 RAC Canada Day Contest
- 8-9 IARU HF World Champ.
- 9 FRC Summer Mtg, N3RD**
- 11 Remy Meeting B**
- 15-16 NA QSO Party, RTTY
- 20 T.I.T.S. Meeting, Noon**
- 25 Remy Meeting B**

August 2006:

- 5-6 No. America QSO Party, CW
- 6 FRC Summer Mtg, K2AX**
- 12-13 Worked All Europe Test, CW.
- 12-13 MD-DC QSO Party
- 14 Remy Meeting B**
- 17 T.I.T.S. Meeting, Noon**
- 19-20 No. America QSO Party, SSB
- 19-20 New Jersey QSO Party
- 26-27 YO (Romania) DX Test
- 28 Remy Meeting B**

September 2006:

- 2-3 All Asian DX Contest, SSB
- 9 North American Sprint, CW
- 9-10 Worked All Europe Test, SSB
- 12 FRC Main Meeting, Phila.**
- 12 Remy Meeting B**
- 16 North American Sprint, SSB
- 16-17 Scandinavian Test, CW
- 21 T.I.T.S. Meeting, Noon**
- 23-24 CQWW RTTY DX Contest
- 23-24 Scandinavian Test, SSB
- 26 Remy Meeting B**

CHANGES

None this Month

Deadline for August issue:

Wednesday, July 26, 2006

President's Column

I hope that all of the recent rain has not caused too much damage to anyone's station. It has not been too bad over in New Jersey where I live but I have been watching the weather maps and noticed a lot more rain up through central Pennsylvania and the Lehigh Valley. If there is any consolation to all the rain, it's that we need it and we also have the rest of the great summer weather to repair any damage.

I hope to see all of you at the summer meetings. July 9th, Dave, **N3RD** will have a meeting at this home in Phoenixville, PA. On August 6th, Mark, **K2AX** will have a meeting at this home in Waterford Works, NJ. Summer meetings are always well attended and everyone has a lot of fun. Please attend if you can.

I am extremely busy at work right now installing a new communications network for the Delaware River Port Authority. I am out almost every day working along the tracks at the PATCO rail line. It's challenging working down on the tracks with all the trains passing by at 65MPH but has been a lot of fun. One of the fun things is that several of the PATCO electronic techs I am working with are hams and we usually talk radios and operating while we are working. Most of them are VHFers but that's OK, since I have had an interest in the upper bands for a long time.

Well, I have to get back to the tracks. I hope everyone has a good summer and I'll see you at the summer meetings.

73 – John – K3ZV

CQWW SSB Plans

Doug, **W3CF** is now taking a list of stations looking for ops for CQWW SSB. This includes DXpeditions. For instance, if an op is planning a DXpedition, he might want to open up his station to a guest operator.

And if you're an op looking for a station, please let Doug know.

You can email Doug at w3cf@verizon.net.

MEETINGS

T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, June 15 at 12:00 noon. Location is the Hometown Diner on Route 222 in Trexlertown..

Rexy Meeting B—The Rexy's **FRC Meeting B** meets about 8 PM on the second and fourth Tuesdays of each month.

Summer Meetings



Sunday, July 9—Dave, N3RD, Sponsored by Team N3RS
(map in June issue available at www.frc.org)

Sunday, August 6—Mark, K2AX (map on page 5)

FRCers at WRTC 2006

www.wrtc2006.com

N2NT, W2GD will be competitors, and **N3AD** will be a judge.



Work Wanted:

Experienced tower climber immediately available to perform antenna and tower maintenance.

Install/repair/remove antennas, replace feedlines and cabling, rotator servicing, guy wire renewal, new tower installations (guyed and self-supporting), and tower removal.

Reasonable hourly rates and scheduling that meets your needs.

Contact: John Crovelli W2GD

w2gd@hotmail.com

New Reach Number: 908 391 5611 (Mobile)

2006 FRC Fund Drive



The 2006 FRC Annual Fund Drive is now officially underway. This issue should contain a stamped envelope for your contribution.

Here are a few reminders when getting ready to make your annual contribution to help keep our club running...

- 1) **PLEASE** make ALL checks payable to **FRANKFORD RADIO CLUB**, and **NOT KQ2M**.
- 2) **PLEASE** write your return address and callsign on the envelope.
- 3) **PLEASE** write your callsign/callsigns on the check.
- 4) **PLEASE** seal the envelope.

Each year quite a few people forget to do at least one of the above and we lose some contribution checks. Also, some people make a much-needed contribution but then do not receive credit for making it. Clearly no one wants that, so **PLEASE** take a few extra seconds to make sure that you follow #1 - 4 before you mail the envelope.

If for some reason you don't get an envelope, or you misplace it, you can send your contribution to:

Robert L. Shohet, KQ2M
51 Scudder Road
Newtown, CT 06470

As you know, these are contributions and not "dues" so there is no fixed rate. To set the scale, however, it may help you to know that the cost of operating the club last year was about \$45.00 per member

List of FRC Contributors as of June 25, 2006

AA1K/AB1P/N3TTT	K300/K3000			
AA2U	K3NZ	N3KR	W2YR	K2UT
AA3B	N3NA	W3AP	K3MD	W3KV
AB2IO	K3PH	N3RD	W3BG	N3ISH
K2AX	K3WW	N3YW	W3BGN	W2YC
K2FL	K3ZV	N3ZA	W3CC	WK2W
K2GN	KC2NB	N5RA - CA	W3EA	
K2JF	KD2HE	NC1A	W3EEE	
K2OWE	KQ2M	NK3N	W3FV	
K2PS	KQ3F	NO2R	W3FVT	
K2QM	N1RK	NW3Y	W3GK	
K2SB	N2CQ	NZ3O	W3MA	
K2SG	N2LT	W1GD	W3MF	
K2WJ	N2MR	W2CG	W3MM	
K3ATO	N2TK	W2LE	W3PA	
K3CP/5	N3BB/5 - TX	W2OF	W3RAT	
K3GYS	N3BNA	W2OX	W3SOH	
K3II	N3DL	W2REH	W4AA - FL	
K3JGJ	N3DXX	W2TV	WA3LRO - CA	
K3JJG	N3ED	W2VJN - OR	WE3C	

A Note to All from Norm, K3NZ's XYL

Norman Zoltack K3NZ

Ms. Nancy Zoltack XYL

4333 Locust Dr

Schuylkill PA 18078-2525

I would like to thank everyone who has sent Norm "K3NZ" get well wishes from the Club. It is nice to know that some people do care about him, and what he is suffering through.

It breaks my heart that he is unable to talk to anyone on his radio, since he is unable to see. The Cancer has taken everything he has enjoyed away from him.

Norm is trying hard to come back, but it will be a Long Hard road if it should ever happen.

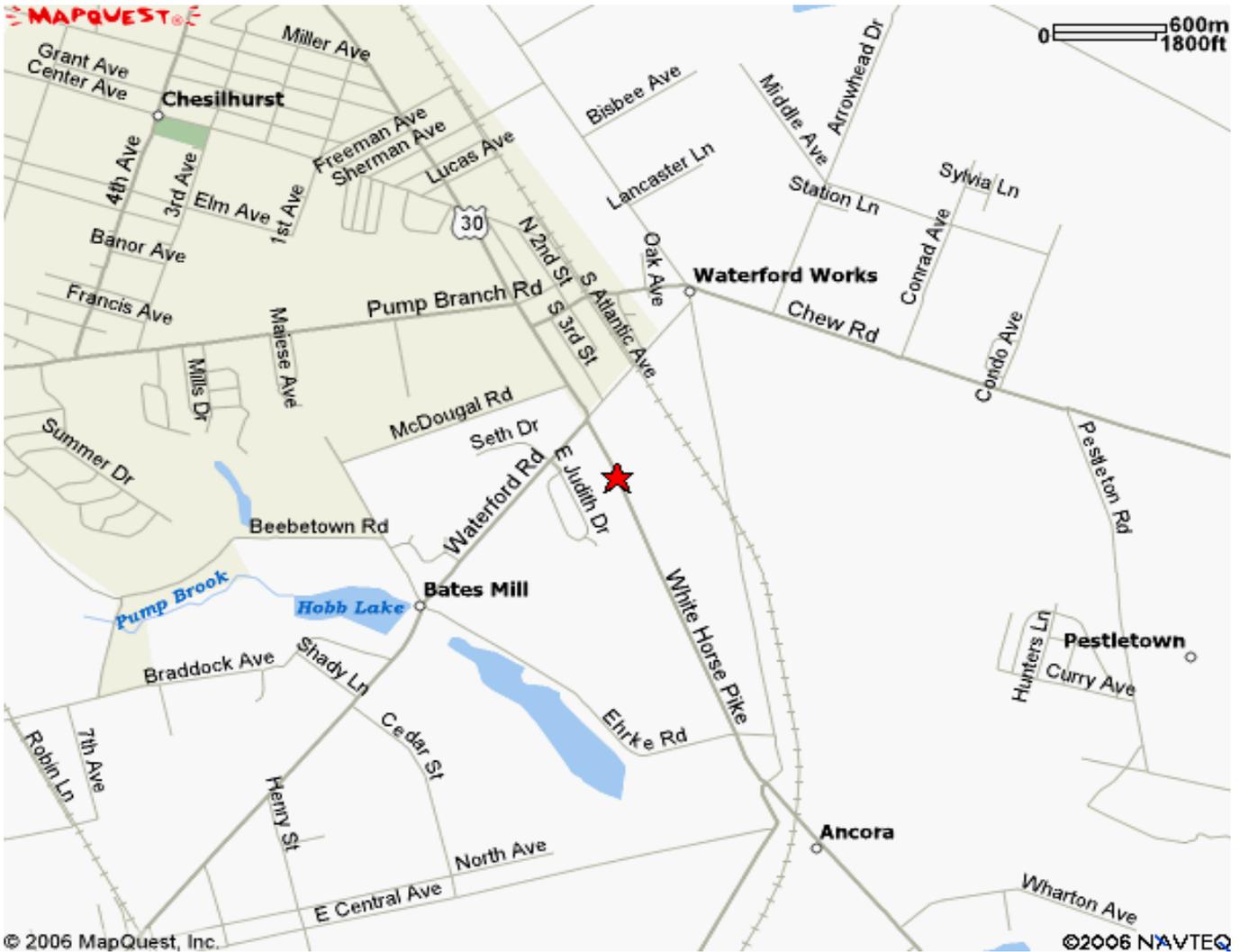
I pray to God for a Miracle!



1999 Member

The Humane Society of the United States

Summer Meeting at K2AX—Sunday, August 6



From the Delaware Memorial Bridge:

Take I-295 North to Exit 29 (Route 30 East) toward Berlin. Stay on Route 30 East until you see Blue Anchor Road. Just past Blue Anchor Road, look for a large sign on the left with green lettering on a white background that says "A Touch Of Grass". Turn left into the driveway and park where directed.

From the Walt Whitman Bridge:

Take Rt. 42 South to I-295 North. Take I-295 North to Exit 29 (Route 30 East) toward Berlin. Stay on Route 30 East until you see Blue Anchor Road. Just past Blue Anchor Road, look for a large sign on the left with green lettering on a white background that says "A Touch Of Grass". Turn left into the driveway and park where directed.

From the Ben Franklin Bridge:

Take I-676 South to Rt. 42 South. Take Rt. 42 South to I-295 North. Take I-295 North to Exit 29 (Route 30 East) toward Berlin. Stay on Route 30 East until you see Blue Anchor Road. Just past Blue Anchor Road, look for a large sign on the left with green lettering on a white background that says "A Touch Of Grass". Turn left into the driveway and park where directed.

Summer Meeting at K2AX—Sunday, August 6

From the New Jersey Turnpike:

Get off the turnpike at Exit 4. Get on Rt. 73 South. Follow Rt. 73 South to Rt. 30 East. Stay on Route 30 East until you see Blue Anchor Road. Just past Blue Anchor Road, look for a large sign on the left with green lettering on a white background that says "A Touch Of Grass". Turn left into the driveway and park where directed.

FCC Cites Florida Utility for Interference to Radio Amateur

The FCC has issued a Citation to Lakeland Electric, a municipally owned utility in Lakeland, Florida, for violating Part 15 rules by interfering with a local radio amateur. §15.5(c) of the FCC rules requires that the operator of an "incidental radiator" must cease operating the device after an FCC representative notifies the operator that the device is causing harmful interference. The "incidental radiator" in this case is overhead power lines. Under an agreement, the ARRL and the FCC cooperate in resolving cases of line noise interference to Amateur Radio licensees.

"Power line noise continues to generate the bulk of interference complaints that ARRL receives," says ARRL Electro-magnetic Compatibility Engineer Mike Gruber, W1MG, who says the League reviews hundreds of such complaints each year. About half of them are resolved promptly by the utilities, in some instances with assistance from the ARRL Laboratory. Gruber says he believes this is the first time the FCC has issued a Citation to a utility in a case involving power line interference to ham radio.

The radio amateur involved, J. C. Flynn, W4FGC, told ARRL that Lakeland Electric has been good about fixing routine problems, but he doesn't think the utility personnel know how to resolve cases of power line noise. "I have been 10 years trying to get something done," he said, adding that the noise affects all HF bands. "It is terrible!"

Flynn first noticed the power line noise around 1995. Subsequent complaints, assurances from the utility that it was addressing the problem--or that it couldn't find one--and even some FCC warnings followed before the FCC issued its Citation to Lakeland Electric on May 16. Flynn, who's now 84, told the League that as of June 7, nothing had been done to fix the severe line noise at his location, which he demonstrated over the telephone on several bands. He said he especially enjoys getting on 40 meter SSB with a large roundtable of friends.

Commented Gruber: "There has been no activity by the utility in resolving this problem in over a year, and Mr Flynn's noise case now appears to be at a standstill." The League's involvement in the case goes back to January 2001, when Flynn requested the League's assistance. Gruber says the League's role is to provide technical information and guidance to utilities "to keep a complaint from reaching the point of a Citation."

In late 2005, Gruber had a chance to check the line noise at Flynn's QTH firsthand. He had taken RFI gear to a Florida ham radio convention for a talk and demonstration. Afterward, on his own time, Gruber--with help from ARRL West Central Florida Section Manager Dee Turner, N4GD--took some noise measurements of his own.

Gruber submitted the results of his on-site inspection to the FCC. Personnel from the Commission's Tampa field office followed up with their own inspection before issuing the Citation, which lays the groundwork for a possible Notice of Apparent Liability proposing to fine the utility if the interference problem is not resolved.

"I hope this case serves as a precedent for FCC enforcement, where appropriate, in power line noise cases," said Gruber, who's compiled various reports and correspondence relating to the Lakeland Electric power line interference case into a booklet of approximately 60 pages. "While the League will work with amateurs in such cases for as long as it takes," he added, "we hope the FCC Citation will serve as a warning to electric utilities that it's not acceptable to take months or years to fix the problem causing the interference."

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the June 14, 2006 Contest Rate Sheet

The N3FJP (<http://www.n3fjp.com/>) Who's On the Air database and mapping application continues to evolve. "Mark, WE6N, has done a fantastic job developing a map to display stations by band on a world map. This map is still under development but you can take a look at <http://71.198.184.113/newwota/WotaMap.aspx.%22> Some of the stations are not properly located on the map due to ongoing changes. Click on the balloon to find out more details, or click on the station listed on the right to zoom in on the station. Not only is it a great way to see DX locations, but it also has applications for EMCOMM to see where stations are deployed on a local level. (Thanks, Scott N3FJP)

From the Ohio/Penn DX Bulletin (<http://www.papays.com/opdx.html>), once again Tom K8CX, has published his famous "Dayton 2006 Photo Gallery" at: <http://hamgallery.com/dayton2006>. This year's gallery has 214 photos! Mike N2MG is also looking for Dayton photos at the contesting.com site. You can upload them (with captions) at <http://www.contesting.com/spotlight/add/19>.

AntenneX (<http://www.antennex.com/>) has just released "antenneX on CD-ROM #14" with 1193 articles plus free software for antenna utilities, antenna & network designs and modeling, all on the same CD. Look for more information on the antenneX Web site's Announcements Page. (Thanks, Steve K7LXC)

Digital modes are becoming a bigger and bigger part of contests, including the Hellschreiber mode -- one of the oldest digital modes. For more information on Hellschreiber, check out the Feld Hell Club at <http://www.feldhellclub.co.uk/>, including their new Feld Hell Award. (Thanks, Pete KZ1Z)

WRTC News - The WRTC2006 Contest will take place as a part of the IARU Contest, giving you an opportunity to work many Brazilian Stations. The results of the WRTC2006 Contest must be ready within 35 hours after the IARU Contest, therefore we need as many IARU logs as possible and as soon as possible to verify the logs of the WRTC2006 Competitors. WRTC2006 will offer several prizes to participants of the IARU contest who send their Cabrillo log to logs@wrtc2006.com or iaruhf@iaru.org within 6 hours after the contest. For more information please read Release 052/06 at <http://www.wrtc2006.com/release52.html>. Thanks for supporting WRTC2006! (Thanks, Oms PY5EG)

If you're traveling with your radio, Pelican cases are the gold standard for shipping cases. As the WRTC-bound operators discuss their options, here's some of the good places to get cases and foam inserts:

<http://www.dxercase.com/> and <http://4less.com/>

A word to the wise -- be extra, extra sure to keep the main tuning knob or knobs from bearing the weight of the radio (or bumps to it) in any orientation! The knob encoders and bearings are fairly easy to damage with catastrophic results.

Rex K7QQ suggests using anvil-style pruning shears for cutting coax from RG-58 through thicker sizes. He says that it gives a nice clean cut through the braid and center conductor. I'm sure it beats gnawing through the cable with regular diagonal cutters.

Another tool-worthy contribution was made by Julius N2WN in response to the tips on getting aluminum tubing apart. He suggests using oil filter-style wrenches that are available in small sizes and do not damage the tubing as locking pliers would. Sears apparently carries a two-size set that will grab tubing as small as 1/2" in diameter! Look in plumbing supplies for these.

It's lightning season! Roger N1RJ points us to a good site for info about lightning protection: http://www.polyphaser.com/ppc_ptd_home.aspx. "As you will discover, the subject of lightning protection is not as simple as it first seems. There is a lot of bad info on the Web mainly from well-meaning folks who only know about power line grounding at 60 Hz. A good power line ground is usually not a good lightning protection ground but a good RF ground (radials) is usually good for both. Also, proper bonding is as important as the ground system."

Vermont Governor Signs Amateur Radio Antenna Bill

Vermont Gov Jim Douglas has signed Amateur Radio antenna legislation that puts the language of the limited federal pre-emption known as PRB-1 into the Green Mountain State's statutes. Vermont is the 23rd state to adopt an Amateur Radio antenna law.

"Today we reached a milestone in Vermont Amateur Radio history," exulted David Cain, W1DEC, on May 30. "PRB-1 is now officially codified into Vermont's statutes." Cain chaired the PRB-1 Committee and serves as Vermont ARRL State Government Liaison. "To all of you who worked so hard on this a hearty 'thank you' and 'well done!'"

ARRL New England Division Vice Director Mike Raisbeck, K1TWF, offered his congratulations to all involved in seeing the bill through. "This is a major achievement for Vermont, the New England Division and the hobby," he said. The legislation, H.12, cleared Vermont's General Assembly on May 10.

The new law requires local ordinances to comply with §97.15(b) "by allowing for the erection of an Amateur Radio antenna or an Amateur Radio antenna support structure at a height and dimension sufficient to accommodate Amateur Radio Service communications."

Cain notes that a PRB-1 bill has been in the General Assembly hopper in Vermont for more than three years. "Hard work and persistence paid off," he said, noting that lawmakers "recognized the value of ham radio and the need for reasonable accommodation."

Section 1 of the bill declares it Vermont policy "that Amateur Radio use and Amateur Radio antennas and support structures protect and promote the public interest by providing important communications support to both government and the public during times of emergency when other communications infrastructure is disabled or overburdened and by presenting the public with an opportunity for public service, self-training, communications and technical investigation."

Language in the original Vermont antenna bill outlined a schedule of minimum regulatory heights, below which localities could not impose restrictions. That language did not survive the legislative process, however.

The legislation that did pass also provides for the Department of Housing and Community Affairs (DHCA) to report to the House and Senate committees on government operations "concerning municipal permitting and siting of Amateur Radio antennas and Amateur Radio antenna structures and municipal compliance with state statutes."

In developing its report, DHCA "shall consult with representatives" of Vermont's Amateur Radio community and include their recommendations and input in its report to the General Assembly.

DXCC Announces Rule Change

The ARRL DXCC Desk has announced new language to replace the wording of a previously removed DXCC rule pertaining to political entities. The change adds a Paragraph 1(c) under Section II, DX List Criteria, in the DXCC Rules.

"Upon request of the Programs and Services Committee (PSC), the DX Advisory Committee (DXAC) has studied the impact of a change to the DXCC rules," said the announcement. The DXAC, the Awards Committee and the PSC have concurred in the rule change, which became effective June 15, 2006.

The new text at Section II, Paragraph 1(c) reads: "The Entity contains a permanent population, is administered by a local government and is located at least 800 km from its parent. To satisfy the 'permanent population' and 'administered by a local government' criteria of this subsection, an Entity must be listed on either (a) the US Department of State's list of 'Dependencies and Areas of Special Sovereignty' as having a local 'Administrative Center,' or (b) the United Nations' list of 'Non-Self-Governing Territories.'"

NEWS FROM THE ARRL

The DXCC Desk says Rule 1(c) is intended to recognize entities that are sufficiently separate from their parent for DXCC purposes but don't qualify under Rule 1(a) or Rule 1(b). "The new rule will cause certain geographic separation entities to be reclassified as political entities," ARRL Membership Services Manager Wayne Mills, N7NG, explains. This, in turn, will reduce the mileage for a first separation for these entities from 800 km to 350 km.

QSOs with any new entity resulting from this rule change will count for credit only for contacts made on or after the start date for that entity. In no case will QSOs made prior to the date of this notice be considered for credit for any new entity created as a result of this rule.

Applications for DXCC award credits resulting from this change will be accepted on or after October 1, 2006.

Follow WRTC-2006 via the NCJ Web Site Blogs

The year's premier global contesting event, World Radiosport Team Championship 2006 (WRTC-2006) <<<http://www.wrtc2006.com/site/home.asp>>>, takes place July 8-9 in conjunction with the IARU HF World Championship <<<http://www.iaru.org/contest.html>>>.

Via Web logs (blogs), the National Contest Journal (NCJ) is giving you a front-row seat as top-notch contesters in two-person teams from around the world compete on HF from Brazil on as level a playing field as possible. The contest period is 1200 UTC Saturday, July 8, until 1200 UTC Sunday, July 9. Winners will be announced Monday, July 10, at the awards dinner.

The NCJ WRTC-2006 blogs will include the musings and general comments of WRTC-2006 competitors, referees and log checkers. We invite NCJ readers to post their comments as well.

Access the blogs from the NCJ home page <<<http://www.ncjweb.com/>>> or from the WRTC-2006 coverage section <<<http://www.ncjweb.com/wrtc2006blogs.php>>>. Postings have already begun and will continue -- on a time-available basis, since the contributors do have WRTC-2006 responsibilities -- until WRTC-2006 wraps up.

Blog contributors are: Doug Grant, K1DG; Randy Thompson, K5ZD; Jeff Briggs, K1ZM; Ann Santos, WA1S; Tim Duffy, K3LR; Eric Scace, K3NA; Glenn Johnson, W0GJ; Ward Silver, N0AX; Dean Straw, N6BV; Tree Tyree, N6TR; Rusty Epps, W6OAT, and Dale Green, VE7SV.

The National Contest Journal thanks these contributors for being willing to share their personal WRTC-2006 experiences with the Amateur Radio community. Also, thanks to Bruce Horn, WA7BNM, for suggesting this blog and putting it on the NCJ Web site, and to the ARRL for shipping 300 copies of the special WRTC-2006 July/August NCJ issue to Brazil.

ARRL "DXCC Dialog" Blog Debuts

The ARRL DXCC Desk has inaugurated the "DXCC Dialog Weblog" <<<http://www.arrl.org/blog/DXCC%20Dialog>>> — containing news and notes about the ARRL DXCC program. "This page will have up-to-date information about the DXCC program," says ARRL Membership Services Manager Wayne Mills, N7NG. "It does not provide for users to post responses, but authors and e-mail addresses are listed." The blog will be updated as needed to inform and update the DXing community regarding news of interest.

<http://www.qsl.net/lz1jz>





**Notes From
Your Editor**

Mid summer is usually DX doldrums time and this summer even more so, with the average monthly solar flux hovering around the low 70's. Even so, you can usually find something on the bands to tickle your DX fancy. And, as I go to press, this summer we now have a new DXCC country to chase. See the details below and note that the "Active Count" number in the DXCC Statistics box has bumped up a notch and now stands at 336. Don't forget to update your logging programs and whatever other records you use for tracking DXCC.

**NEW DXCC COUNTRY:
MONTENEGRO**

Here is the official ARRL DXCC desk notification:
ARLD026 Montenegro is newest ARRL DXCC entity

A new ARRL DXCC entity has come into being! As expected, the United Nations admitted the Republic of Montenegro as its 192nd member June 28, and that action automatically makes the tiny Balkan nation the 336th current DXCC entity.

"According to the ARRL DXCC List criteria, entities on the UN list of member-states qualify as political entities," said ARRL Membership Services Manager Wayne Mills, N7NG. "Therefore, effective June 28, 2006 (UTC), ARRL has added The Republic of Montenegro to the DXCC List. Claims for DXCC credit will be accepted immediately."

Current Montenegrin radio amateurs reportedly may continue using their YU/YT/YZ/4O/4N-prefix call signs until the International Telecommunication Union designates a new call sign block for the new country.

In anticipation of Montenegro's new nation status, the International DX Festival Montenegro, with information on the web at, <http://www.yu6scg.cg.yu/international-dx-festival.html>, has been set for July 20 until August 12. That's when several international operators will join forces with Montenegrin Amateur Radio operators from at least three different stations using a common call sign in an effort to meet the DX community's need to work the newest DXCC Entity. Festival organizers have set the ambitious goal of 200,000 contacts for the event, which will use all HF bands.

Montenegro declared its independence on June 3 following a national referendum May 21.

The ITU has yet to assign a prefix to Montenegro but it is strongly rumored that it will be **E6**. In the mean time look for any stations with the following prefixes: 4N3, 4O3, YT3, YU3, YZ3, 4O6, 4N6, YT6, YU6 or YZ6.

For those of you who are DX4WIN users, AD1C already has a new DX4WIN.CTY file with Montenegro added, available for download at <http://dx4win.ad1c.us/cty/> Jim opted to use E6 as the country prefix but this is still not official.

**CURRENT OFFICIAL ARRL
DXCC STATISTICS**

Active Count.....	336
Deleted Count.....	58
Last Addition.....	VP6/D
Last Deletion.....	STØ

FR/J/E – JUAN DE NOVA & EUROPA

Not sure when the newsletter is going out so I hope this gets to you in time. FR5IZ will be on from Europa signing as **FR5IZ/E/p** from July 4th to 6th. No info available on operating frequencies but this will be a bit of a challenge as he will be running 100 watts to wire antennas. QSL to his home call.

FW – WALLIS & FUTUNA

JA8BMK will be on as **FW8AA** from July 15th to 24th. Operation is planned strictly 80 thru 10 meters with no WARC. (I probably wouldn't spend too much time looking for him 10 meters!) QSLs go to JA8UWT.

DX ALERT LEGEND

- 160 METER ALERT
- IOTA ALERT
- RTTY ALERT
- WARC BAND ALERT

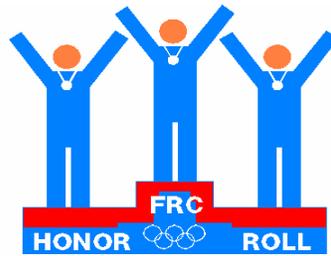
"S"pecial "S"alute

Have you made your contribution yet? Contribute to your Newsletter and get the **"S" "S"**.

©

73, Tony N2SS

You can reach me as follows:
H:856-227-4896 C:609-221-4899
n2ss@n2ss.com
argargano@comcast.net



JULY

CONDUCTED by N2SS

2006

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 332	K2FL...336	N2TK ..328
N2TK330	N2TK 335	K2FL..... 326
N2LT318	N2LT 332	N2LT..... 321
W3BGN317	W3CF 331	W3BGN... 314
W2YC301	W3BGN ... 329	W3CF 303
N2SS290	N2SS 320	N2SS..... 302
W8FJ290	W2UP 312	W2YC 274
K2PS284	W2YC 304	K2PS..... 268
W2UP277	K2PS 303	W2UP 259
N3RD258	W8FJ 291	W8FJ..... 228
N2MM233	N2MM..... 268	N1RK..... 218
K3II.....232	N1RK 253	KQ3F 217
W2LE.....220	KQ3F..... 252	K3II..... 203
KQ3F195	K3II 245	N3KN 191
AA2WN...174	W2LE 231	W2LE 191
W2RQ144	W2YR 202	W2YR 187
AB2E132	N3KN 171	N2MM 185
W2YR131	W2RQ 142	AB2E 92
K3CT126	K3ND 124	K3CT 76
N3KN.....126	AA2WN ... 122	W2RQ 62
N1RK107	AB2E..... 108	K3GYS 30
K3ND.....85	K3CT..... 91	N2VW..... 28
N2VW.....76	K3GYS..... 85	AA2WN..... 20
W3CF.....61	N2VW 67	
K3GYS17		

K2FL and N2TK still duking it out for that elusive, undisputed **KING OF WARC**

Rules for FRC Honor Roll Listings.

Provide me with your total IOTAs worked, or countries (including deleted) worked for: WARC Bands, 160 Meters, Digital modes, Mobile, 6 Meters or your total for 80,40,20, 15 and 10 for 1.5K Club. Countries do not count until HQ Awards Committee takes action and announces a start date for a new country.

160 Meters

W3BGN294	W2RQ 123
AA1K289	K2PS 106
WT3Q261	W2CG 95
N2TK251	AB2E 94
N2LT248	N2VW 85
K3SX233	W2YR 81
NO2R.....226	N2SS 79
W8FJ213	W3CF.....77
W2UP200	K3NL 70
K3JIG200	K3CT 63
W2YC.....185	KQ3F 57
N2MM182	N1RK.....51
K3NM.....156	AA2WN 50
N3RS156	N3KN.....34
K3II149	W2LE.....28
K2FL143	K3GYS 12
K3ND136	

W3BGN continues as the undisputed Top of Top Band.

Digital

W2UP.....338	KQ3F 132
N2LT332	W2LE..... 124
K2PS.....288	W2CG..... 66
W2YC.....253	N2SS 53
AA2WN.....187	N1RK..... 39
N3KN181	K3GYS 15
W2YR.....132	W8FJ..... 12



MOBILE DX

W2YC276	K3GYS 143
AA1K272	AA2WN 131
N2SS.....234	W2YR..... 28



1.5K Club

K2FL..... 1709	N2SS.....1521
W3BGN 1697	K3ND1501
N2TK 1690	KQ3F1453
N2LT..... 1684	W2CG.....1408
W2UP 1666	W3CF1403
W2RQ..... 1623	AA2WN.....1379
N3RS..... 1611	N1RK.....1289
W8FJ 1594	N2VW1270
K3II 1573	K3CT1229
W2YC 1561	W2LE1175
N3RD 1540	W2YR.....1153
NO2R..... 1536	N3KN1120
K2PS 1524	K3NM.....1107
N2MM 1524	AB2E1164



Islands On The Air

K2FL..... 1004	N2VW261
N2SS 829	W3CF253
W2YC 627	W2YR.....244
W8FJ 604	K3GYS222
N1RK 546	AB2E205



6 METER DXCC

N2LT..... 106	N3KN52
K2PS..... 101	W2YR.....44
AA1K 99	W2YC.....21
K3OO 77	AA2WN.....15
K3SX..... 75	N2TK.....12
N1RK 57	K3GYS10
N2SS55	



THE FRANKFORD RADIO CLUB NEWSLETTER

P. O. Box 431 Albury, PA 18011-0431



Affiliated Club

The Frankford Radio Club

Club Officers

President, **K3ZV**, John Lindmeier856-768-5348
Vice Pres, **N3DXX**, Art Hitchens 302-764-8061
Secretary, **W2RDS**, Rick Stoneking..... 609-265-0885
Treasurer, **K2QM**, Bob Shohet.....203-270-8456

Email: k3zv@hotmail.com
Email: art19703@yahoo.com
Email: w2rds@arrl.net
Email: kq2m@earthlink.net

Committee Chairman

Repeater, **K3NL**, Nick Leipold 610-449-8910
Packet, **N3RD**, Dave Hawes 610-935-2684
Activities, **N3AD**, Alan Donziger610-581-7032
Awards, **K2QM**, Dan Marlow 609-683-5633
Membership

Newsletter & Roster

Editor, **KQ3F**, Joe Stepansky 717-657-9792
Printing, **W2RDS**, Rick Stoneking..... 609-265-0885

Email: kq3f@comcast.net
Email: w2rds@arrl.net

Repeater - 2 meters, 147.27/147.87 Output PL tone, 114.8

Home Page - www.gofrc.org

Meetings

Meetings are held on the 2nd Tuesday of each month (Sep through May) at 8 PM at the University of the Sciences, Philadelphia. Summer meetings are held at member homes (one Saturday/ Sunday per month).

Packet Cluster Contest/DX System

144.930 W3FRC
144.930 W2JT
144.950 K3ZV
145.010 N3ED
145.530 K3WW
145.530 AA1K
145.570 WT3Q
145.570 K2TW
145.590 N2NT
145.670 W3PP
145.730 N2BIM

Telnet DX Cluster

k2ut.gofrc.org
k3ww.gofrc.org 7300
kf3b-2.gofrc.org 7300
w3frc.gofrc.org 7300