



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

February 2006:

- 4-5 Delaware QSO Party
- 4 North American Sprint, SSB
- 11 North American Sprint, CW
- 14 FRC Main Meeting, Phila**
- 14 Rexy Meeting B**
- 16 T.I.T.S. Meeting, Noon**
- 18-19 ARRL DX Test, CW**
- 25-26 CQ 160 Meter Contest, SSB
- 28 Rexy Meeting B**

March 2006:

- 4-5 ARRL DX Test, SSB**
- 14 FRC Main Meeting, Phila**
- 14 Rexy Meeting B**
- 16 T.I.T.S. Meeting, Noon**
- 18-19 Russian DX Test
- 25-26 CQ WPX Contest, SSB
- 28 Rexy Meeting B**

April 2006:

- 1-2 SP DX Contest
- 8-9 Japan Intl. DX Test, CW
- 11 FRC Main Meeting, Phila**
- 11 Rexy Meeting B**
- 15-16 YU DX Test, CW
- 20 T.I.T.S. Meeting, Noon**
- 22-23 Florida QSO Party
- 25 Rexy Meeting B**
- 29-30 Helvetia Contest

CHANGES

New FRC Contributor

N3VV

Deadline for March issue:

Sunday, February 26, 2006

President's Column

This month, we start the defense of our victory in the ARRL DX contest. To do this, we will need everyone to get on and log some time in the chair. This is a great contest to operate. The DX stations will be looking for stateside contacts. If you are an S&P operator, try running. Move up high in the band and call some CQs. You will be amazed at how many DX stations will call you. Don't be afraid to run, it's a lot of fun and that's what contesting is supposed to be.

I also want to point out that in the ARRL DX contest, at least half of the operators at a multiop have to be FRC members in order for the score to count for the club. Please keep this in mind when you select a multiop to operate from.

I'm planning on operating from **N3AD's**. If you need a place to operate, there are multiop's who are still looking for members. Let Doug, **W3CF** know what your plans are. Thanks Doug for doing this service for the club.

73 - John - K3ZV

FRC North American QSO Party Results

Here are the initial results for the FRC NAQP CW Team:

Call	Q's	Mults	Score
AA3B	831	203	168,693
N3DXX	813	198	160,974
N3AD	707	180	127,260
W3FV	559	154	86,086
K3CT	497	152	76,538

Results from other FRC'ers:

K3WW	777	210	163,170
N3RS	772	193	148,996
WW2Y	756	191	148,932
N3RD	269	96	25,824

Thanks to John, K3CT

MEETINGS

Main Meeting in King of Prussia

The main monthly meeting of the **Frankford Radio Club** will be held Philadelphia on Tuesday, February 14 at 8 PM. Location is Rosenburger Hall, Room 102 at the University of the Sciences.



T.I.T.S. meeting—The Trexlertown International Transmitting Society meets on Thursday, February 16 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.

ARRL DX Test Info

FRC DXPeditions

ARRL CW

P40W by W2GD
TO9A (FM) by K3TEJ and K3CT

ARRL SSB

P40W by W2GD

Score Reporting

Report scores or send copy of log to **K3WW** (k3ww@fast.net) for archives. Anyone who needs help uploading your log can simply ask and Chas can upload the log for you..



Butternut HF9V nine band 28 foot 80-6M vertical for sale \$200.

Brian W3RV 610-583-8260

Dear FRC:

A neighbor of mine is moving and getting rid of his tower and antenna. It's FREE except for one caveat at the bottom of the message. The tower is the US Tower TMM-541SS, 41 feet maximum, 12 feet minimum, 5 sections. <http://www.ustower.com/>

The rotator is the Ham IV. <http://www.hy-gain.com/products.php?prodid=HAM-IV>

The antenna is the Explorer 14 with the 40 meter kit. It is absolutely terrific on 40 meters. He also have all of the original aluminum tubing that was not used in case the new owner doesn't want 40 meters. <http://www.hy-gain.com/products.php?prodid=EXP-14>

It wa put it up in 1990 and everything still works great. He had the rotator factory rebuilt about 4 years ago. There is almost no rust. He has all of the original manuals.

He would need help to disassemble the tower, however, it is surprisingly easy using the raising fixture. He actually put it up himself with no help. The collapsed tower is only 12' long so a full size pickup can take it away. It will take 4 or 5 guys to lift it onto the truck. The tower rolls across the lawn on two furniture dollies and 2 sheets of plywood, which he has.

Here's the deal; he would like to give the tower, antenna, and rotator away for FREE. In lieu of money, he would like the taker to break up and take away the top 12" of concrete so that he can fill and seed the area. If they don't want to do this he would ask for \$300 so he could have someone come in and do it for him.

He sent me 5 pictures, which I will forward along if requested:

foundation.jpg

raising fixture.jpg

tower base.jpg

towered lowered.jpg

towered raised.jpg

You can contact me at btcarrollesq@yahoo.com and I will forward along his contact information.



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

(908) 996 3043

Reprinted with permission from the January 11, 2006 Contest Rate Sheet

Dave W6TE of The DX Connection (<http://www.dxconnection.com/>) announces that he is the North American distributor for EZMaster, an S02R controller introduced in Europe last year. EZMaster uses USB from your PC to interface with antenna switches and filters. It also switches microphone and headphone audio between radios and claims to be the ultimate sound interface!

Randy K5ZD has released the latest version of the Super-Check-Partial file set at <http://www.k5zd.com/scp/>. The 39,048 calls are from contests within the past 2 years--a database of 2.77 million QSOs from more than 2000 logs. The files are available individually or zipped. If you'd like to contribute your logs, email Cabrillo files to k5zd@contesting.com.

There is a new Windows version of contest simulator RUFZ in beta test that is native to Windows. Give it a spin at <http://www.darc.de/referate/dx/xedtrsdxp.htm> (Thanks, Paul K4UJ)

QSLing being the time and money eating activity, save yourself some postage by checking out K4HB's web site: <http://www.k4hb.com/postage.html>. This is a good way to keep on top of postal rates worldwide. And don't forget that air mail from the US to most countries is now 84 cents! (Thanks, Paul VE1DX)

Jim AD1C is trying to compile a list of all known Cabrillo contest IDs. The results so far can be found at <http://www.ad1c.us/contest-id.htm>. Please send email with additions, corrections, or other observations at the address on the Web site.

Here's the correct information about commercially available radio interfaces that can read the Icom CI-V data. Two of the models listed in the previous issue operate from the Icom band data variable voltage output and will not decode 10/12 and 15/17 meters into separate bands.

Array Solutions DBS-1 and DBS-2

(<http://www.arrayolutions.com/Products/banddecoders.htm>) These interfaces decode CI-V data and properly decode 12/12/15/17 meters. The DBS-1/DBS-2 also provide both current sink and source outputs to handle mixed antenna switches and bandpass filters. microHAM Band Decoder

(<http://www.microham-usa.com/Products/band%20decoder.html>) This interface provides serial decoding on all of the major rigs (Elecraft, Icom, Kenwood, Ten-Tec and Yaesu) while acting as a RS-232 to radio interface. It also supports the use of "foreign" solid state amplifiers such as the Icom PW-1 or IC-2KL with Yaesu, Kenwood, Ten-Tec transceivers and the Yaesu Quadra or FL-7000 with Icom, Kenwood or Ten-Tec radios.

Both interfaces have a lot more to offer - please check the Web sites for complete information. (Thanks to Jay WX0B at Array Solutions and Joe W4TV at microHam America)

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the January 11, 2006 Contest Rate Sheet

Pat K8PC reports that large plastic cat food containers make excellent waterproof protectors for switches and connectors. No noticeable UV damage was visible after a summer's use.

Those of you that don't have easy access to empty cat food containers might want to make a stop by your local household good emporia. January is a prime month for sales on things like containers and storage accessories as we all try to return the house to its pristine pre-holiday state.

Anyone making your own PC boards might want to take a look at the following link for some very easy approaches to producing your own boards using a laser printer: <http://www.fullnet.com/u/tomg/gooteepc.htm>. (Thanks Norm N7NSD)

Rohn tower parts are still available from Rohn (now Radian) at: <http://www.radiancorp.com/ROHNNET/rohnet2004/html2004/index.html>. (Thanks, Larry WA9VRH)

Pat AA6EG contributes a Web site with a large number of military tech manuals of masts and antennas that might be useful: <http://www.tpub.com/content/antennaandmasts>.

Here's a neat way to make guying points for verticals made from large aluminum tubing. "Cut a 4-inch length of PVC pipe the same ID as the tubing OD. Slit it lengthwise with a table saw blade that will remove 1/4 inch or so of material. Stick a screwdriver in the gap to spread the pipe open slightly and slip it over the tubing. When you get to where you want it to go, pull out the screwdriver and the pipe will hug the tubing. Clamp it with a hose clamp. Next, take a PVC coupling and drill holes for guy ropes evenly spaced around the coupling. Slip this over the top of the tubing and move it down until it rests on the slit pipe. Engage the two pieces with a rubber mallet." Photos can be found at <http://www.n6rk.com/>. (Thanks, Rick N6RK)

Reprinted with permission from the January 25, 2006 Contest Rate Sheet

WRTC News - The WRTC2006 Committee has published the calls of referees and judges for the July 2006 competition. Once again, the chief adjudicators will be Dave K1ZZ and Roger G3SXW. Thanks to all of the volunteers - this is one of the toughest jobs, to sit through 24 hours of top-drawer contesting without being able to make a single contact! Read all about it at <http://www.wrtc2006.com/>.

Owners of crank-up towers have a pretty good idea of the tower's wind-load rating when fully extended. After all, the manufacturer publishes that information. So lowering it improves wind load rating, right? Well, there's more to it than just "lower equals stronger." To address that issue, Frank W9JCC published the very detailed article "Wind Loading as a Function of Height" in the July/August issue of QEX, available at <http://www.arrl.org/qex/1123.pdf>. The link to a spreadsheet containing the calculations is available can be found at the bottom of page 28. (Thanks, Jim KJ0M)

CONTESTING — TIPS, TECHNIQUES, RESOURCES

Reprinted with permission from the January 25, 2006 Contest Rate Sheet

If you want to roll your own filter, check out the free design software at <http://www.aade.com/filter32/download.htm>. It not only helps you design a filter with all the standard types, but it also shows you the response, return loss, etc. in graphic form. (Thanks, Larry N8LP)

The MFJ-1026 Noise Canceller has been around for awhile, yet getting it to cancel noise can be tricky. Tod K0TO contributes his procedure that may help others find a null in the haystack - http://www.k0to.us/HAM/Noise/adjusting_MFJ-1026.htm. Hubbell Power Systems provides a useful "Encyclopedia of Anchoring" at http://www.hubbellpowersystems.com/powertest/chance/earth_anchors.htm # Given the critical nature of guys to one's tower remaining vertical, this is an excellent resource. (Thanks, Roger N1RJ)

Also from the active and engaging Topband Reflector (<http://lists.contesting.com/mailman/listinfo/topband>), RF feedback from external receiving antennas has been identified as a possible cause of spurious signals on the low bands, particularly 160-meters. One way to avoid this problem is to ground external antenna ports when transmitting--some rigs do this and some don't. For rigs that don't, an external antenna controller such as made by KD9SV or K9AY might do the job. The basic idea is to prevent RF voltage from getting back into your transceiver's driver stages from those external antennas. Disconnecting them works, as well. How to tell if you have such a problem? Take a look at your transmit waveform with an oscilloscope. If it doesn't look clean, you have some work to do. Pay close attention to the leading edge of CW keying, too, since hiccups here have been identified as causing key clicks.

W5UN has updated his great Web page about putting PL-259's on 75ohm hard line. (<http://web.wt.net/~w5un/pl259.htm>) "It is really simple, and seems very reliable. I made a couple of test connectors on the bench and it worked fine. I found that the open cell center insulation type had a center conductor too large to fit inside the center conductor of a PL259. You can't simply file it down because it is copper clad aluminum and you won't be able to solder to aluminum. I used a Dremel tool to put a slot in the hard line center conductor. I squeezed the slot shut and ended with a copper clad center conductor that would fit the PL259 center." (Thanks, Gary W9XT)

Rebuilding antennas made of aluminum tubing often hits a snag when you're trying to clean out the inside of overlapping joints. Skinned knuckles, sore fingers, and a less-than-satisfactory result often result. When the topic came up on the TowerTalk reflector, Scotchbrite pads wrapped around a screwdriver and gun cleaning brushes were the most commonly mentioned tools. For loosening up any hardened lube or anti-oxidation compounds, WD-40, carburetor cleaner, or brake cleaner got glowing reviews (with a caution that rubber gloves and good ventilation are in order, particularly for cleaning solvents.)

"SUITSAT" Target Date Now February 3

Amateur Radio on the International Space Station (ARISS) has announced another change in the "SuitSat" deployment date, which has been a bit of a moving target. The latest target date is late Friday, February 3 (UTC). That's when the International Space Station crew is set to perform its next space walk. According to informed sources, the crew is scheduled to open the hatch for its excursion around 2200 UTC, and SuitSat should be put into orbit within the first hour.

Possibly the most unusual Earth satellite ever, SuitSat consists of a surplus Russian Orlan space suit converted into a transmit-only satellite with an FM downlink frequency of 145.990 MHz. Using the call sign RS0RS, it will transmit voice messages, telemetry and an SSTV image on a nine-minute cycle as it orbits Earth.

The batteries powering the satellite are expected to last about a week after deployment, and SuitSat's free-floating, decaying orbit should cause it to re-enter Earth's atmosphere after some six weeks in space. The SuitSat signal should be strong enough to hear using a VHF transceiver or scanner and a simple antenna--thus making it an ideal project for students to monitor and track.

SuitSat's payload also includes a CD containing hundreds of school pictures, artwork, poems, and student signatures. For more information, see article "This is SuitSat-1 RS0RS" by Frank Bauer, KA3HDO, on the AMSAT Web site <<<http://www.amsat.org/amsat-new/articles/BauerSuitsat/index.php>>>.

New ARRL President Elected

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.

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



Nominations Sought for ARRL Atlantic Division Amateurs of the Year

Do you know someone who has really stood out in their service to amateur radio? That service could be in: technical abilities; public service; training; education, you name it. Wouldn't it be an honor for that individual or group to be recognized by their peers for their time and talents spent in good service to others? Why not nominate them for one of the Atlantic Division Awards that they qualify for?

Atlantic Division awards are presented annually to the hams who make us proud to be part of the Amateur Radio Service. Nominations are taken from the ham community. Selection is made by an Awards Committee chaired by the Division Vice Director. The awards are conferred at the annual Division Convention. Amateurs of any license class may be nominated for awards.

Nominations must come from within the Atlantic Division. The Awards Committee may, at their discretion, shift a nomination made in one award category to another award category, in order to honor a larger number of worthy nominees.

AMATEUR OF THE YEAR

The Radio Amateur in the Atlantic Division whose record merits recognition for outstanding contributions to the Amateur Radio Service.

He or she is active on the air and in Amateur Radio organizations. The Amateur of the Year is an all-round Amateur, whose activities, attitudes, and achievements may serve as an example to others. Devotion to Amateur Radio is balanced with attention to work responsibilities and family life. The Amateur of the Year exemplifies the "Amateur's Code."

In selecting the award recipient, emphasis is placed on service to others rather than self, diversity of Amateur Radio interests and activities, evidence of continuing self-challenge, and outstanding contributions to Amateur Radio in the year preceding nomination.

TECHNICAL ACHIEVEMENT

The Radio Amateur(s) in the Atlantic Division whose technical excellence exemplifies "continuation of the Amateur's proven ability to contribute to the advancement of the radio art," and whose attitude exemplifies the highest dedication to service to others and to science, rather than self.

Particular value will be placed on evidence of continuing contributions to the Amateur Radio Service. Groups of two or more Amateurs may be nominated for a joint award in this category. Technical achievement may be demonstrated through activities such as the following: publications, research and development, creativity in hardware/firmware/software, systems design and implementation, technical instruction, application of advanced technology to public service communications. This award is presented at the discretion of the Awards Committee, not necessarily every year.

NOMINATIONS DEADLINE

The nomination period closes March 18, 2006 for this nomination.

AWARD NOMINATION FORM

To display the award nomination form, go to the web site <http://www.atldiv.org/AwardNominationForm.htm>. Then send the form to your printer or save it to disk. If you can not get the form via the web, feel free to send a request to:

Tom Abernethy W3TOM, Atlantic Division Vice Director,
PO Box 73,
Accokeek, MD 20607

ARRL Seeking to Fill Three Job Openings at Headquarters

The ARRL is looking for a few good people. Specifically, the League has openings at its headquarters in Newington, Connecticut, for a Business Services Manager, a Membership Manager and an Assistant Editor. All three positions are fulltime with benefits.

Among other duties, the Business Services Manager oversees sales of ARRL products and services to the Amateur Radio commercial industry and manages and develops the sales and sales support staff. An Amateur Radio license and on-the-air experience are highly desirable.

For a Business Services Manager, the League is seeking a competitive individual with demonstrable selling ability and customer service experience. This person should be a true motivator who enjoys "significant customer interaction." In addition to superior written and oral communication skills, the ideal candidate should be flexible and team oriented and be dedicated to fair and ethical business practices.

The Membership Manager will have responsibility for ARRL membership recruitment and retention. The top priority of the Membership Manager will be to develop and put into place member recruitment and retention activities in addition to analyzing membership growth patterns. This individual also will supervise the League's membership renewal process and oversee and maintain member records for the department.

Among additional duties, the Membership Manager will work across department lines and with the ARRL Field Organization to direct the delivery of all member benefits and maintain "regular and meaningful contact" with ARRL members.

This position requires a bachelor's degree in business or equivalent experience--preferably at least five years of member services and/or association experience, two of them in supervision, as well as a thorough understanding of association management, customer services and programs. Knowledge of Amateur Radio or an Amateur Radio license and significant ham radio experience are a plus.

The candidate selected will possess excellent organizational, communication and customer service skills; must be detailed oriented and have proven record of accomplishment designing, implementing, and maintaining membership recruitment and retention programs. This position requires the ability to travel during the normal work week as well as on weekends.

The Business Services and Membership managers' positions are in the League's Sales and Marketing Department, headed by Dennis Motschenbacher, K7BV.

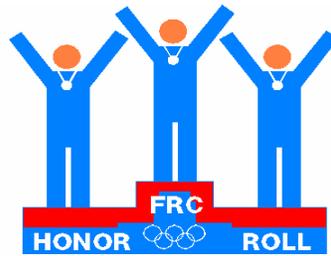
The ARRL also has an opening for an Assistant Editor. The successful candidate will work on a variety of material for publication in QST and for the League's Web site.

Primary responsibilities include preparing general interest and some technical material for publication, writing articles for publication, and ensuring that manuscripts are well written, engaging and conform to the rules of grammar, spelling, usage and ARRL style.

Applicants should hold an Amateur Radio license and have on-the-air experience. Paid experience in an editorial field and a college degree in a related field are preferred, as are a demonstrated ability to work effectively as part of a team and under deadline pressure, proficiency in Microsoft Word, ability to use the Internet for research, experience with a digital camera and attention to detail. Some weekday and weekend travel may be required.

For additional details, visit the Employment at ARRL Web page <<<http://www.arrl.org/announce/jobs/>>>. To apply for any of these positions, send a cover letter and resume to LouAnn Campanello <lcampanello@arrl.org>, ARRL, 225 Main St, Newington, CT 06111.

No telephone calls please! ARRL is an Equal Opportunity Employer.



FEBRUARY **CONDUCTED by N2SS** **2006**

🌐 **WARC BANDS** 🌐

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL .. 331	K2FL...335	N2TK ..328
N2TK328	N2TK ..335	K2FL..... 326
N2LT318	N2LT 332	N2LT..... 321
W3BGN316	W3CF 331	W3BGN... 314
W2YC298	W3BGN ... 328	W3CF 303
K2RW296	K2RW 324	N2SS..... 302
N2SS290	N2SS 320	K2RW 300
W8FJ290	W2UP 305	W2YC 273
K2PS284	K2PS 303	K2PS..... 268
W2UP272	W2YC 302	W2UP 258
N3RD255	W8FJ 291	W8FJ 228
N2MM233	N2MM..... 268	N1RK..... 218
K3II229	N1RK 253	KQ3F 217
W2LE212	KQ3F 252	K3II 202
KQ3F195	K3II 240	N3KN 191
NZ3O188	NZ3O 233	K2NJ 190
AA2WN...171	W2LE 202	NZ3O 188
W2RQ144	W2YR 202	W2YR 187
AB2E128	K2NJ 179	N2MM 185
W2YR131	K2JF 168	W2LE 176
K3CT126	N3KN 168	NA2U 154
N3KN119	NA2U 162	K2JF 135
K2NJ113	W2RQ 142	AB2E 92
K2JF112	K3ND 124	K3CT 76
N1RK107	AA2WN ... 116	W2RQ 62
NA2U105	AB2E 108	K3GYS 30
K3ND85	K3CT 91	N2VW 28
N2VW76	K3GYS 85	AA2WN 20
W3CF61	N2VW 67	W2CG 1
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 📻

W3BGN293	K2PS 106
AA1K288	AB2E 94
WT3Q256	K2RW 93
N2LT248	N2VW 85
N2TK245	W2CG 85
K3SX232	W2YR 81
NO2R222	N2SS 79
W8FJ213	NA2U 78
K3JIG200	W3CF 77
W2UP195	K3NL 70
N2MM182	K3CT 63
W2YC182	K2NJ 59
K3NZ172	KQ3F 57
K3NM156	NZ3O 55
N3RS156	N1RK 51
K3II149	AA2WN 36
K2FL142	K2JF 34
K3ND136	W2LE 28
W2RQ123	N3KN 28
.....	K3GYS 12

W3BGN continues as the undisputed Top of Top Band.

📺 **R T T Y** 📺 **Digital**

W2UP337	W2YR 132
N2LT332	KQ3F 132
K2PS287	K2JF 113
K2RW266	W2LE 85
W2YC253	N2SS 53
K2NJ235	N1RK 39
AA2WN187	K3GYS 15
N3KN179	W8FJ 12



MOBILE DX

W2YC276	K3GYS 143
AA1K270	AA2WN 131
N2SS234	W2YR 28
K2JF150	



1.5K Club

K2FL..... 1708	KQ3F1453
W3BGN 1696	K2NJ1406
N2TK 1688	W3CF1403
N2LT 1684	AA2WN1369
W2UP 1666	K2JF1350
W2RQ 1623	NA2U1335
K2RW 1610	W2CG1305
N3RS 1603	N1RK1289
W8FJ 1594	N2VW1270
K3II 1573	K3CT1229
W2YC 1549	W2YR1153
NO2R 1533	W2LE1141
N3RD 1532	N3KN1111
N2MM 1524	K3NM1107
K2PS 1521	NZ3O1088
N2SS 1521	AB2E1164
K3ND 1501	



Islands On The Air

K2FL..... 999	NZ3O317
N2SS 828	N2VW261
W2YC 624	W3CF253
W8FJ 604	W2YR244
N1RK 546	K3GYS222
.....	AB2E205



6 METER DXCC

N2LT 106	N2SS55
K2NJ 100	N3KN52
K2PS 100	W2YR44
AA1K 99	K2RW42
K2JF 94	W2YC21
K3OO 77	AA2WN15
K3SX 75	N2TK11
N1RK 57	K3GYS10



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
Secretary, **W2RDS**, Rick Stoneking..... 609-265-0885
Treasurer, **K2QM**, Bob Shohet.....203-270-8456

Email: k3zv@hotmail.com
Email: art19703@yahoo.com
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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

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