



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

June 2003:

- 10 Rexy Meeting B**
- 14 FRC Meeting, K of P**
- 19 T.I.T.S. Meeting, Noon**
- 14-15 South American CW Test
- 21-22 All Asian DX Test, CW
- 22 FRC Summer Mtg, N3RD**
- 24 Rexy Meeting B**
- 24 FRC Open, Noon**
- 28-29 ARRL Field Day

July 2003:

- 1 RAC Canada Day Contest
- 8 Rexy Meeting B**
- 12-13 IARU HF World Champ.
- 17 T.I.T.S. Meeting, Noon**
- 19-20 NA QSO Party, RTTY
- 22 Rexy Meeting B**
- 26 FRC/YCCC Joint Mtg**

August 2003:

- 2-3 NA QSO Party, CW
- 9-10 WAE DX Contest, CW
- 9-10 Maryland/DC QSO Party
- 12 Rexy Meeting B**
- 16-17 NA QSO Party, SSB
- 16-17 NJ QSO Party, *Tentative*
- 21 T.I.T.S. Meeting, Noon**
- 26 Rexy Meeting B**

CHANGES

New Email

George Tomlinson, N3ISH
n3ish@comcast.net

President's Column

Hope everyone had a great time at the Dayton Hamvention this year. Based on the sign-in roster, there were 42 club members in attendance at the Crown Plaza hospitality suite. The Icom 7800 (replacement for the 781) stole the show. Also, the new solid-state, 1500 watt amplifier by Dishtronix, a new vendor, captured a lot of interest. The weather was stinko again -- maybe one of these years we will have sunshine for the Dayton trip.

With the May meeting being our last winter meeting at the college, it is now time for our summer picnic meetings to begin. The first one will be at N3RD's home on Sunday, June 22nd. I hope everyone will make the effort to attend and bring your wife or girl friend. Meetings for the balance of the summer are being planned.

Now is the time to make repairs and improvements to your stations so that you will have everything in working order for the start of the contest season in October. Having our stations ready will help us in our pursuit of winning CQWW SSB and CQWW CW. While talking about winning, everyone needs to know what it will take to WIN.

While high scores from stations like N2RM, N3RS, K3WW, N2NT, KQ2M and many others are essential, it is the total participation of our **many, many smaller stations** that will guarantee the club **to win the unlimited category**. Also, let's not forget the many DXpeditions the club has. Bottom line, I hope everyone gets the message that we need every member to be on the air and to give a little extra effort this year. **The club will reap the results by taking back our place as the TOP CONTEST CLUB IN THE WORLD.**

Remember that we will have a special meeting at the Plymouth Meeting Fire House on JUNE 14th. We will have several guest speakers talking about aspects of contesting and the complete installation of Writelog software. So come on down, have some lunch and enjoy the programs. Hope to see you there.

73, Joe, K3NM

FRC Summer Meeting at N3RD

Dave, **N3RD**, is graciously hosting an **FRC** meeting on Sunday, June 22 at 1 PM. He asks that you bring a chair for your seating comfort. Dave's address is **143 Camp Council Rd, Phoenixville, PA**. Here are the directions (*Ed. Note: I wanted to include a map but my publishing software is having a hard time even seeing images for import. I'll have that fixed for the next issue, one way or another. In the meantime, putting Dave's address into Mapquest will give you a map*):

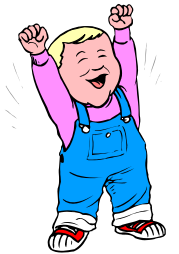
From the East: Take your favorite route (Schuylkill Expressway or PA Turnpike) to Valley Forge, and then proceed on Rt. 23 West toward Phoenixville. Stay on Rt. 23, all the way through Phoenixville, making sure that you stay right and continue straight at the spot where Rt. 113 veers off to the left. After Rt. 113 veers off, turn left at the third traffic light. This will be just after a Burger King on the right. This road is Rapps Dam Road, and in about a third mile, turn right onto Camp Council Road. The driveway is about half a mile on the right, just after a stone retaining wall on the right. Parking will be on the lawn in the back of the house.

From the South: Take Rt. 113 north toward Phoenixville. After passing the traffic light at Cold Stream Road, proceed about half a mile and turn left onto Rapps Dam Road. Continue on Rapps Dam until you go through the covered bridge, and then turn right onto Camp Council Road. The driveway is about half a mile on the right, just after a stone retaining wall on the right. Parking will be on the lawn in the back of the house.

From the West: Take either Rt. 23 or Rt. 724 east toward Phoenixville. After Rt. 724 ends at the junction of Rt. 23, proceed less than a quarter mile to the traffic light at Rapps Dam Road, and turn right. Follow directions above "From East."

FRCers in the News

For those who haven't seen it, the June issue of CQ appears to be an **FRC** issue. On page 2 (Contents) you'll see a picture of Dale, **N3BNA**, taking his frustrations out on a metal rod. Inside you'll find an article on summertime Dxing on 160 (!) from Ethiopia, with more pictures of Dale. Then we have Norm, **K3NZ**, showing off his Rock Mite QRP rig (article on page 77, photo on page 78). Finally, we have the 2002 CQ/RJ WW RTTY DX Contest results, featuring Barry, **W2UP**, placing first in the US in the SOAB Low Power category, and Barry, **W3FV**, first in the 3rd call area in the SOAB High Power group. If I missed anyone, please let me know and I'll add a correction next month.



While we're at it, the results of last year's PA QSO party came out just after the May issue was published and **FRC** members were big winners. **FRC** as a club took first place with an all-time record score of 2,625,150, while **FRCers** took 7 of the top 10 positions in the EPA High Power Division. Bud, **AA3B**, had the high Single Op High Power score statewide, and John, **K3TEJ** took first place in the QRP Division. **K3ANS**'s station was the designated Bonus Point station, operating multi-multi as **W3FRC**. Bill's crew amassed 704,472 points, another all-time record. Counties won by **FRCers** were Berks (**AA3B**, all-time record), Bucks (**K3WW**, all-time record), Carbon (**K3PP**), Dauphin (**KQ3F**, all-time record), Lebanon (**N3RJ**), Montgomery (**WF3M**), Northampton (**W3FRC/K3ANS**, all-time multi record) and Schuylkill (**K3TEJ**, all-time QRP record). Again, if I missed anyone, let me know.

The 2003 PA QSO Party will take place on October 11-12. (*Ed.*)

FOR SALE:

Icom 746 with 3 filters mint cdx \$925
without filters \$800
contact Rick **K3OO** at rsaeger@fast.net or 610-863-4971 before 9:00pm



Last Call for June FRC Open Golf Tourney

This years FRC OPEN will be held at Southmoore Golf Club. Visit www.southmooregolf.com for directions/details.

The date is Tuesday, June 24th with tee off at 12:00 noon. Lunch and a driving range is available at the course. Rick, **K300** needs to know **as soon as possible** if you are planning on attending so he can reserve a tee time .

You may contact Rick at rsaeger@fast.net

73/FORE Rick K300



Summer Meetings

June 14 (Saturday) - Special meeting at the King of Prussia Firehouse.

June 22 (Sunday) - **N3RD**. (Directions/time on page 2)

July 26 (Saturday) - Joint **FRC/YCCC** meeting at the picnic site in New Jersey where it has been the last few years. (Directions in the July newsletter)

Ed. Note: Given our recent weather, nobody should interpret the inclusion of the "smiling sun" icon as anything other than an act of faith.



Other Meetings

T.I.T.S. meeting

The Trexlertown International Transmitting Society meets at the Pied Piper / 76 House, located on the southwest corner of Route 222 and Route 100 at the traffic light. The meeting will be on Thursday, June 19 at 12:00 noon.



Rexy Meeting B

The Rexy's **FRC** Meeting B meets after the main **FRC** meeting on the second Tuesday of each month, and at about 8 PM on the fourth Tuesday of each month.

Interested in being DX?

The V26DX Hotel site is available for contests and general Dxing. Contact Doug, **W3CF**, for details, or visit www.w3cf.com.

FRCer Under the Weather

At the Dayton hamfest, John Gagen, **W2YR**, was put in the hospital. He is back at home resting but still not feeling very well. Some emails from fellow **FRCers** might make him feel somewhat better. You can email John at w2yr@aol.com

Frankford Radio Club 2002/2003 Contest Season Awards

<u>Award</u>	<u>Call</u>	<u>Score</u>
Top Gun	KQ2M	25.9 M
Big Gun	W2GD	24.0 M
Top Ten	K3WW	21.7 M
	W2OX	19.2 M
	N2RM	18.3 M
	AA3B	17.9 M
	N2NT	16.9 M
	AA1K	16.7 M
	W3BGN	15.8 M
	K2NG	15.3 M
	W2UP	14.4 M

US Multi-Multi

N2RM	30.3 M	Ops.	N2RM K2TW N2ED NA2AA N2NC N2OO N2VV WK2G WM2H W2DTA W2REH W2RQ W3CF
W3PP	24.2 M	Ops.	W3PP K3FT KW3Z K5ZM KD5FWV N3HUV N3KW N3ME N3ONM N3PT NW3Y N6ZO W2GJ W3IZ W3OR WB4FDT WK2W WM2H WV8RS
N3RS	24.1 M	Ops.	N3RS K3WU KF3B KQ3F N2SR N3ED N3RD NA2U WA3LRO W8FJ

DX Multi-Multi

WP2Z	15.3 M	Ops.	AB2E K3TEJ
VP5T	10.7 M	Ops.	N2VW WA2VYA

US Multi-Single

NE3F	11.8 M	Ops.	NE3F K3ATO KA3GWA KS3F NT3V NZ3G W3ZL
W2ZQ	2.40 M	Ops.	K2QM KC2DLA
K2OWE	2.24 M	Ops.	K2OWE K2JF N2NRD

DX Multi-Single

V26B	21.0 M	Ops.	N2ED N3OC
VP5A	8.43 M	Ops.	KQ3V WE3C
PJ4G	5.26 M	Ops.	K2NG K2TW NO2R

DX Single Op.

V47KP	19.3 M	Op.	W2OX
P40W	18.5 M	Op.	W2GD
6V6U	9.33 M	Op.	K3IPK

Operating Achievement Awards

<u>Award</u>	<u>Call</u>	<u>Points</u>	<u>Year</u>	<u>Contest</u>
1 Meg Single Op.	W3ZL	1.54 M	2001	CQ CW
	W2RDS	1.20 M	2002	CQ SSB
	NZ3O	1.83 M	2002	CQ SSB
	K2UT	1.10 M	2001	CQ SSB
	WB3CIW	1.02 M	2002	ARRL SSB
3 Meg Multi-Single	W2UP	4.30 M	1999	CQ SSB
	Ops. W2UP KC3NE			

Grand Slam (Participation in all four major DX contests)

AA1K AA3B K2DM K2NG K2OWE K2PS K2QM K3CP
K3II K3IPK K3MD K3ND K3NM K3NZ K3VA K3WW
K3ZV KD3TB KQ2M KQ3F N1RK N2ED N2LT N2MR
N2NT N2RM N2WKS N3AD N3ED N3KR N3MX N3RD
N3RJ N3RS N3ZA NA2U NE3F NN3Q NO2R NZ3O
W1GD W2GD W2OX W2RD W2RDS W2YC W3AP W3BEN
W3BGN W3BYX W3CF W3FV W3FVT W3PP W3ZL W8FJ
WA2VYA WE3C WK2W WT3P WT3W

2003 FRC Fund Drive



The 2003 **FRC** Annual Fund Drive is now officially underway. There have been a few inquiries regarding the details of how to make contributions. Basically there are two methods, either of which is fine:

- 1) Check by US Mail. You should have already received a stamped envelope with my address on it. Please make your check payable to: **"Frankford Radio Club"**

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

Daniel Marlow, K2QM
39 Wilson Road
Princeton, NJ 08540

**** PLEASE BE SURE TO WRITE YOUR CALL ON YOUR CHECK. ****

- 2) If you wish to contribute using Paypal, the e-mail address is:

k2qm@arrl.net.

I will acknowledge receipt. **PLEASE BE SURE TO INDICATE YOUR CALL IN THE E-MAIL.**

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. I am guardedly optimistic that owing to various economy measures, this year's costs will be a bit lower.

73, Dan Marlow, K2QM
FRC Treasurer



ARRL Releases Updated "Logbook of the World" Beta Software

"Logbook of the World" (LoTW) beta testers for the most part have reacted positively to the latest version of ARRL's secure electronic contact-confirmation system, but some users have run into difficulties. Responding to problems encountered by some early beta testers, the League has released an updated beta version of LoTW that should resolve these issues. Beta testers are encouraged to download the new version of the software, 1.02beta, from the LoTW page <<http://www.arrl.org/lotw/>>.

"While most installations and subsequent e-mailing and uploading of log data have gone flawlessly, as expected there have been problems," said ARRL's Dave Patton, NT1N, who's been a part of the LoTW project from the start. He says the LoTW server software failed to recognize many of the new digital mode designations, such as MFSK-16 and JT6M. This caused fatal errors while digitally signing logs.

Patton says the beta update allows users to "map" any mode designation to one of the four main Amateur Data Interchange Format (ADIF) mode categories--CW, phone, image, and digital--without changing the actual log data. He said the beta upgrade also will correct other log data problems that caused fatal errors in signing a log, including allowing the signing process to complete the "good" parts of a log without crashing.

Beta testing got under way May 15. So far, the 1300 or so beta testers have uploaded upward of five million contacts to the LoTW database. Once it's ready later this year, LoTW will provide a way for amateurs worldwide to qualify for awards such as DXCC or WAS without having to first collect and submit hard-copy QSL cards. For now, log data are limited to contacts made no more than five years ago (on or after January 1, 1998) to get a representative sampling, Patton explained.

Patton promised "many more bells and whistles" over the weeks ahead. One of those will meld LoTW with DXCC. He noted that a major DXCC software revision, now under way, will need to be completed first.

Logging software developers now can get documentation and a Windows DLL library--as well as complete source code for the TQSL software--at the SourceForge Web site <<http://sourceforge.net/projects/trustedqsl/>>. To join the beta testing program, visit the Logbook of the World--Getting Started site <<http://www.arrl.org/lotw/getstart.html>>. The beta testing period wraps up in mid-July.

All QSO data submitted to LoTW will be deleted when the beta test period ends, and users will have to obtain new digital certificates to submit log data to LoTW once it 'goes live.' As part of the security process for the live system, passwords will be mailed to US licensees at the address that appears in the FCC database. Users should make sure the FCC has their current mailing address. Amateurs can modify their address online or via US mail by using instructions available on the FCC Web site <<http://wireless.fcc.gov/services/amateur/licensing/changingaddress.html>>. ARRL members may submit license modifications or renewals through the ARRL VEC <<http://www.arrl.org/fcc/forms.html>>.

QRP WARC-Speed DX Challenge Announced

Danny Eskenazi, K7SS, Ward Silver, N0AX, and the Western Washington DX Club--with the assistance of Bruce Horn, WA7BNM--have announced the year-long QRP "WARC-Speed DX Challenge." The objective is to work as many DXCC entities as possible using low power (QRP) on the so-called "WARC bands," 30, 17 and 12 meters.

The Challenge starts at 0000 UTC June 1, 2003, and ends at 2359 UTC May 31, 2004. For the purposes of the Challenge, QRP is defined as 5 W or less output on digital modes or CW and 10 W PEP on SSB. (AM or FM operators also are welcome.)

Certificates will be awarded for the top three totals from each CQ Zone in each of several categories for working 100 entities on any single band. Results will be posted monthly in the following categories: 17-meter CW, 17-meter phone,



17-meter digital, 17-meter total, 12-meter CW, 12-meter phone, 12-meter digital, 12-meter total, 30-meter CW, 30-meter digital, total CW, total phone, total digital, total overall. Participants may enter as many or as few categories as they wish.

The Challenge involves no QSL cards or cumbersome paperwork. At the end of each month, WA7BNM will post a score submittal form on the 3830 Score Submittal Web page <<http://www.hornucopia.com/3830score/>>. Participants will enter their totals and updated totals will be posted to the 3830 contest score reflector and CQ-contest reflectors (and be forwarded to the DX and QRP reflectors, as well). At the end of the year, participants will be able to download a nice certificate! The honor system rules, Silver said, and he notes the Challenge is not a contest.

For more information, contact Ward Silver, N0AX, n0ax@arrl.net.

Distracted driver legislation raising ham hackles in New Jersey

An effort by some New Jersey lawmakers to amend that state's current laws regarding distracted driving has some hams upset and worried that the revisions could affect Amateur Radio mobile operation. Assembly Bill 2798, introduced last September by Assemblyman John S. Wisniewski of Middlesex County, would clarify that a "distracted driver may be charged with reckless, careless or unsafe driving" for engaging in what many motorists would consider routine activities, such as listening to the radio or a CD or cassette player. Wisniewski's bill would amend three laws already on the books and give police the authority "when so warranted" to charge a person for engaging in "distracting behavior." The list includes, but is not limited to, "the use of communications technology" as well as "locator devices, AM/FM radios, compact disc players, audio cassette players, video players, Citizens Band radios and dispatch radios." The statement says that "various studies" have concluded that engaging in these activities while driving "contributes to motor vehicle accidents." ARRL Hudson Division Director Frank Fallon, N2FF, whose territory includes Northern New Jersey, calls the measure "a very bad idea." Fallon says he's been encouraging ARRL members to write, telephone, fax or personally contact their New Jersey Assembly members to let them know how they feel. "The bottom line is that New Jersey ARRL members have to get involved," Fallon said. Contact information for New Jersey lawmakers is available on the New Jersey Legislature Web site <<http://www.njleg.state.nj.us/members/legsearch.asp>>.

FCC Seeks Assistance in Curbing Unlicensed 10-Meter Incursions

The FCC has requested the assistance of the ARRL Amateur Auxiliary/Official Observers <<http://www.arrl.org/FandES/field/org/oo.html>> in monitoring for illegal operation on 10-meters. The request came in an April 28 letter from FCC Special Counsel Riley Hollingsworth, who says incursions on the band by apparently unlicensed operators continue to be a major enforcement headache.

"This is the first phase of a renewed investigation effort and may be thought of as detect, collect data, and report," said ARRL Field and Regulatory Correspondent Chuck Skolaut, K0BOG. Skolaut forwarded the request to members of the Amateur Auxiliary May 1. Hollingsworth said the FCC wants help with a stepped-up effort over the next six months--from May through October--to identify any unlicensed operation on 10 meters "whether from business entities--including trucking companies--truckers or other individuals operating domestically."

Hollingsworth said the FCC does not need direction-finding but would appreciate where possible "the names and cities of the operators, and license plate numbers and state if from a vehicle." Skolaut said the FCC would like to concentrate on obtaining reports of this type of operation to help identify specific areas of the US where this problem is prevalent, although he concedes that not all illegal 10-meter operation originates in the US. "The FCC asks that OOs obtain as much information as possible and send their reports through normal channels to ARRL Headquarters," he said. The decision to record the transmissions of suspected interlopers was left to the discretion of the individual OOs. The FCC request was made under a longstanding agreement between ARRL and the FCC regarding the use of Amateur Radio volunteers to assist in enforcement.

**Notes From
Your Editor**

Back from Dayton and still drooling over Icom's new IC-7800 and the Dishtronix 2.4KW PEP solid state amp. Icom made what they called a pre-introduction (delivery is estimated to be a year away) of what they called their President and Founder's "Legacy Radio", purportedly a rig that is his and his engineers 'dream machine'. I'll tell you, I was impressed! Go to this link to see the details and download a brochure: <http://www.icom.co.jp/world/info/ic-7800/index.htm> Save your pennies: announced price will be between \$5K and \$10K. I kidded with Ray Novak, Icom's National Sales Manager, that it sounded like the model number was the price, He said "Probably higher". I also asked Ray about bring one to a club meeting for a demonstration when he gets some production prototypes and he indicated that he had already agreed to do that. (Joe Brue got to him before I did).

The Dishtronix amp looked pretty impressive. Price not yet set but in talking to their President, Steve Bishop, he told me it will be about \$5K and will be available in September. He also said to me that 'into a dummy load it will put out 2.4KW, key down, all day long'. Go to this link for photos and details: <http://www.dishtronix.com> It is built like a battleship and at 140 pounds it weighs in like one!

ANNUAL(?) PURGE
 Time has gotten away from me and I have not yet done the annual purge of the FRC Honor Roll listings. The reason for the cleanup is that the Honor Roll is a competition and eliminating those no longer in the hunt keeps the Honor Roll vibrant and active and above all, a real competition. So, here's what we'll

do. I will use the January 2002 listings as the base line. If I have not received an update for the Honor Roll listings from you since that time, I will assume you are no longer interested in participating and remove your call from the lists. If you fall into that category, please contact me within the next month. Otherwise, I will drop your call from the listings but you can always have it reinstated at any time I hear from you afterwards.

A LITTLE BIT OF HISTORY

For those you who are not aware, I started the FRC Honor Roll close to twenty years ago as a vehicle to encourage contest participation! There's nothing like a good DX contest to help improve you band countries. Then over the years the Honor Roll started taking on a life of its own and, at your request, I gradually added other categories to the listings.

The photos below will bump up the files size so I've skipped the DX info this month.

Some Dayton Pix



Your Editor in Space

What's a trip to Dayton without a visit to the Air Force Museum?



Hospitality Suite Time

JA1WSX, JA1FUI and your Editor just outside the Miami Room.



Beer, Burgers and Dogs

Hampton Inn annual complimentary Friday night barbecue (and the weather cooperated!)



Eating Again!

Steaks good as ever at the Barnsider.

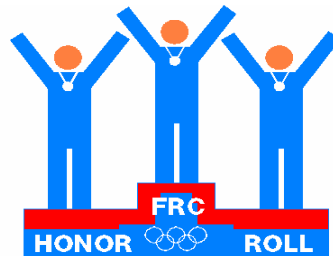
"S"pecial "S"alute

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



JUNE **conducted by N2SS** **2003**

WARC BANDS

<u>30 Meters</u>	<u>17 Meters</u>	<u>12 Meters</u>
K2FL.. 327	K2FL...333	N2TK ..325
N2TK324	N2TK 331	K2FL..... 324
N2LT309	N2LT 329	N2LT..... 316
W3BGN ...297	K2JLA 328	W3BGN... 305
K2RW290	W3CF 323	K2RW 296
W8FJ.....284	K2RW 320	N2SS..... 294
W2YC.....281	W3BGN ... 320	K2JLA 284
K2PS275	N2SS 315	K2PS..... 265
N2SS268	K2PS 294	W3SOH ... 265
WA2VYA ..267	WA2VYA . 292	W2YC..... 264
K2JLA237	W2YC 289	WA2VYA. 261
W3SOH223	W8FJ 286	WT3W 258
K3II.....222	W3SOH.... 266	KS3F..... 232
W2LE.....205	WT3W..... 264	W8FJ..... 222
KS3F178	N1RK 247	N1RK..... 217
K2BU175	W3OV 234	KQ3F 199
AA2WN...164	K3II 233	K3II..... 195
WT3W162	KQ3F..... 232	W3CF 192
W3OV150	KS3F 215	W2YR..... 181
KQ3F141	W2LE..... 196	K2NJ..... 162
NZ3O125	W2YR 194	W2LE 161
W2YR.....124	NZ3O 190	W3OV..... 160
AB2E111	K2JF 168	NZ3O 151
K2JF.....111	NA2U 155	NA2U 138
NA2U.....103	K2NJ 145	K2JF 135
N3RD100	K3ND 110	WT3P..... 127
K2NJ97	WT3P 106	AB2E 82
K3PP68	AA2WN ... 102	K3PP..... 53
N2VW67	K3GYS..... 83	K3GYS 30
N1RK46	AB2E..... 82	N2VW..... 25
K2WJ28	N2VW 63	AA2WN..... 19
W3CF.....27	K3PP 60	K2WJ 17
N2MT15	K2WJ 40	N2MT 6
K3GYS8	N2MT 26	KB3FEE 3
KB3FEE.....1		

Still looking for that 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

W3BGN289	K2PS 102
AA1K282	K2RW 92
K2BU260	W2YR 80
WT3Q250	N2SS 75
N2LT239	N2VW 74
N2TK239	NA2U 73
K3NW228	W3CF 69
K3SX210	K3NL 62
W8FJ192	K2NJ 59
NO2R176	K3PP 59
K3JG176	KQ3F 41
K3NZ170	N1RK 40
W3OV163	KB3FEE 38
W2YC156	K2JLA 35
N3RS156	W2LE..... 27
K3II149	AA2WN 25
K3NM146	K2JF 20
WA2VYA144	N2MT 14
K2FL140	NZ3O 13
K3ND133	K3GYS 12
KS3F129	W3SOH 12
WT3W127	K2WJ 3

W3BGN continues as the undisputed
Top of Top Band.

Digital

W2UP.....333	W3CF..... 100
N2LT326	W2LE..... 81
K2PS275	K2JF..... 57
W3SB245	WA2VYA 50
K2RW231	N2SS 46
K2NJ221	N1RK..... 42
W2YC.....212	N2MR 28
AA2WN.....162	KQ3F 23
WT3W155	K3GYS 15
WT3P.....133	K2WJ 12
K3PP123	W8FJ..... 12
W2YR.....122	N2VW 7

MOBILE DX

W2YC274	K3GYS 143
AA1K260	AA2WN 131
N2SS234	WT3Q 107
N2MR196	KB3FEE..... 48
K2JF150	K3PP 46
	W2YR 21

1.5K Club

K2FL..... 1704	WT3W 1395
W3BGN 1691	K2NJ.....1383
N2TK..... 1685	W3SOH 1378
N2LT..... 1658	K2JF 1350
W2UP 1644	AA2WN.....1295
K2RW 1591	NA2U 1295
W8FJ 1577	N1RK.....1278
N3RS..... 1564	N2VW 1240
K2BU 1550	WT3Q 1162
W2YC 1511	K2WJ.....1161
K2PS 1509	W2YR..... 1125
N2SS 1505	W2LE 1115
NO2R 1489	K3PP..... 1110
K3ND 1488	K3NM.....1107
N3RD 1456	W3CF 1077
WA2VYA .. 1435	WT3P.....1009
K2JLA 1428	NZ3O..... 945
KQ3F 1412	N2MT 719
KS3F 1407	KB3FEE 231

Islands On The Air

K2FL.....959	N2VW 250
K2JLA 854	NZ3O..... 244
W3SOH 762	W2YR..... 226
N2SS 750	K2WJ..... 223
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W8FJ 530	W3CF 200
N1RK 509	K3GYS 169
KS3F 319	KB3FEE 23

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K2NJ 95	N2SS 50
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THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

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FRC OPEN GOLF
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AND MORE!

**Deadline for July issue:
Friday, June 27**

The Frankford Radio Club

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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

144.910 N2MT
144.930 W3FRC
145.650 K2TD
144.950 KD3CN
145.530 K3WW
145.530 AA1K
145.530 K2SG
145.570 WT3Q
145.570 K2TW
145.590 N2NT
144.950 K3GYS
145.710 W3EA
145.730 N2BIM
147.495 W3MM
145.670 W3PP
441.050 W3MM
445.525 K3GYS
445.525 W3EA
445.850 N3BNA
..TBA N3ED

Telnet DX Cluster

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