



THE FRANKFORD RADIO CLUB NEWSLETTER

PROFICIENCY THROUGH COMPETITION

CALENDAR

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**
- 26-27 RSGB IOTA Contest

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
- 21 T.I.T.S. Meeting, Noon**
- 26 REXY Meeting B**

September 2003:

- 6 NA Sprint, CW
- 6-7 All Asian DX Contest, SSB
- 9 FRC Main Meeting, Phila**
- 9 REXY Meeting B**
- 13 NA Sprint, SSB
- 13-14 WAE DX Contest, SSB
- 18 T.I.T.S. Meeting, Noon**
- 20-21 Scandinavian Contest, CW
- 23 REXY Meeting B**
- 27-28 CQ/RJ WW RTTY DX Test
- 27-28 Scandinavian Contest, SSB

CHANGE

Email

W2YR, John Gagen
w2yr@arrl.net or w2yr@verizon.net

President's Column

Well, here we are at the end of June already. Hopefully, July will bring much better weather to permit all of us to accomplish the needed repairs to our antennas and equipment.

I am glad that N3RD's picnic meeting had approximately 40 members in attendance and that everyone had a good time. I really wish I could have been there with you. Don't forget next month is the **joint FRC and YCCC picnic on Saturday, July 26** so please mark your calendars! I will be back from the Hamvention in Friedrichshafen by then and look forward to joining everyone at this picnic meeting. We need a volunteer to help with picking up the food and someone to do the grilling that day. If you are able to help, please contact me after July 14.

The special meeting at the firehouse went very well and was enjoyed by all. Again, I give my special thanks to our speakers, **KQ2M** and **W2UP**, for their great presentations and to **K3ZV** for providing all of the necessary equipment.

Just a reminder that it is *contribution time!!* If you have not made mailed yours in yet, please take care of it now so it does not slip your mind again.

73, Joe K3NM

Valley Forge Hamfest and Computer Fair

The hamfest is sponsored by the Mid-Atlantic Amateur Radio Club and is conveniently located for many FRCers. The hamfest is Sunday, July 13 at the Kimberton, PA Fire Company Fairgrounds.

For more information email hamfest-info@marc-radio.org or go to their web site at www.marc-radio.org/hamfest.html.

Reminder

Now that the weather has turned civilized, it's time to complete (or start) those outdoor antenna projects. The dates of this year's CQWW tests are:

SSB: October 25-26

CW: November 29-30

**Joint FRC/YCCC Picnic
Saturday, July 26, 2003
1PM until ?????
Old Troy Hills Park
Parsippany, NJ**

The **Frankford Radio Club**, the Yankee Clipper Contest Club and the Potomac Valley Radio Club will have a joint picnic at the Old Troy Hills Park in Parsippany, NJ (see map below). Everyone is strongly encouraged to attend the picnic for some friendly camaraderie before the leaves begin to fall and things start “heating up”.

Old Troy Hills Park is located in Morris County, NJ, and was chosen because of its convenient location to both clubs. There should be a very large turnout, so come on out.

Directions to Old Troy Park

From Route 10 East

Traveling East towards Whippany on Rt 10 turn right onto Whippany Road. Proceed 1/4 mile to the first intersection and turn right onto Parsippany Rd. Continue for approximately 1/2 mile and turn right onto Reynolds Ave. immediately after the overpass for Rt. 10. The entrance is approximately 1 3/8 miles down Reynolds Ave. on the right.

From Rt 10- West

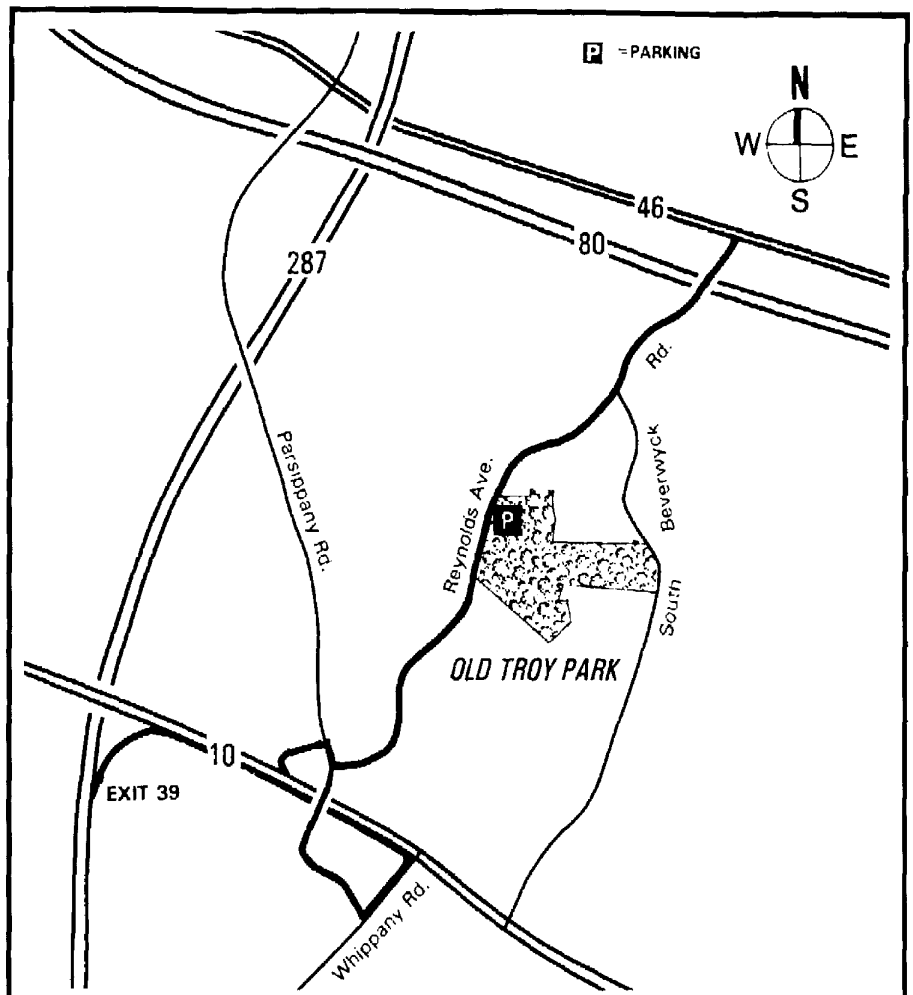
Travel west toward Whippany on Rt 10, take the Veterans' Place exit ramp which immediately follows a sign for Parsippany. Stay to right on the ramp until it meet Parsippany Rd. Make a right, the he first onto Reynolds Ave., proceed for about 1 & 3/8 miles to park entrance on the right.

From Rt. 46

Turn left onto So. Beverwyck Rd. Continue for 1 mile until road splits. Bear Right onto Reynolds Ave. Continue for approximately one mile The entrance to the park is on you left.

From I-287

Take Dover/Whippany Exit - Exit 39 Take Rt. 10 East. Proceed as stated above from Route 10 East.



Summer Meetings

July 26 (Saturday) - Joint **FRC/YCCC** meeting at the picnic site in New Jersey where it has been the last few years. (Directions on page 2)



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.

League Warns of Bogus QST Solicitations

Someone has been attempting to sell "subscriptions" to QST, but it's not the ARRL. ARRL Customer Service/Circulation Manager Kathy Capodicasa, N1GZO, reports she's received several telephone calls and e-mails from members reporting the scam.



"Apparently, there is some kind of bogus telephone solicitor out there trying to get people's names, addresses and credit card numbers," she said. "ARRL does not solicit for 'subscriptions' to QST." She warned that under no circumstances should a member give out a credit card number to someone trying to sell them QST over the telephone.

As the official membership journal of the ARRL, QST is not available to the general public from a magazine distributor or outside publishing house. Capodicasa advises those getting calls from the phony solicitor to try to get the solicitor's name and to check the caller ID box, if they have one, to obtain the caller's number. She requested that members share any such information with her via e-mail to n1gzo@arrl.org or telephone, 860-594-0257.

So what did you do for Field Day?

Tom, **N2SR**, has a great idea. He feels it would be useful to ask **FRCers** what they did for Field Day. Many operate at a local radio club, or their "other" radio club. For those who operated Field Day, can you let us know where you operated, what club (if any) and class and score? The list can be published in the August issue, and might give members ideas for the future. Next year, members can once again list their Field Day plans complete with the name of the local club and the location of the Field Day site. That way, other **FRCers** in the local area might want to stop over and, as Tom puts it, "show the locals how to run a rate". :)

2003 FRC Fund Drive Contributions

(as of June 21, 2003)



AA1K	K3OO	KB3MM	N3BNA	W2GD	W3EA
AA2WN	K3OOO	KD3TB	N3EA	W2LE	W3FV
AA3B	K3ATO	KQ2M	N3ED	W2NO	W3GK
AB1P	K3BU	KU3X	N3ISH	W2OX	W3KV
AD3Z	K3CP	N1RK	N3KN	W2RD	W3MF
K2JF	K3II	N2AB	N3KR	W2REH	W3MM
K2MD	K3MD	N2CQ	N3MX	W2TV	W3OV
K2NG	K3ND	N2ED	N3PUR	W2UDT	W3RAT
K2OWE	K3NL	N2LT	N3RD	W2UP	W8FJ
K2PS	K3NZ	N2NT	N3ZA	W2YR	WA2VYA
K2QM	K3PH	N2SS	N5RA	W3AP	WA3RHW
K2SB	K3VA	N2TK	NA2U	W3BEN	WB3CIW
K2SWZ	K3WW	N2VM	NO2R	W3BG	WE3C
K2TW	K3YD	N2VW	NZ3O	W3BGN	WQ3E
K2UT	KB3FEE	N3AD	W2CG	W3CF	WT3W

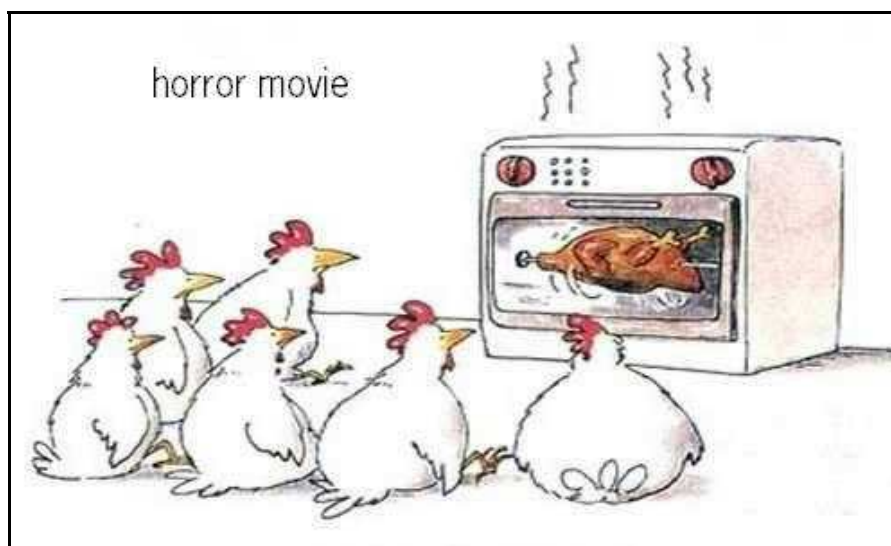
If you've forgotten to send in your contribution (*as ye olde editor has!*) you may send a check payable to: "**Frankford Radio Club**" to:

Daniel Marlow, K2QM
39 Wilson Road
Princeton, NJ 08540

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

If you wish to contribute using Paypal, the e-mail address is: k2qm@arrl.net.
PLEASE BE SURE TO INDICATE YOUR CALL IN THE E-MAIL.

Every so often we need to relax. I'm adding cartoons as space permits to hopefully provide a small (sometimes VERY small) element of humor to this newsletter. FRC member submissions are encouraged. *Ed.*





New 60-meter Band Becomes Available July 3

The new five-channel 60-meter domestic secondary amateur allocation becomes available to US Amateur Radio operators at midnight local time on July 3. The FCC Report and Order granting the allocation was published June 3 in the Federal Register. Federal government users are primary in the 5 MHz band.

The FCC has granted amateurs use of five 2.8 kHz-wide channels with center frequencies of 5332, 5348, 5368, 5373 and 5405 kHz. The channels will be available to General and higher class licensees. The only permitted mode will be upper-sideband USB phone, and 50 W ERP is the maximum power allowed.

Users of the 60-meter channels should set their carrier frequency 1.5 kHz lower than the channel center frequency. ARRL suggests restricting transmitted audio bandwidth to 200 Hz on the low end and 2800 Hz on the high end for a total bandwidth of 2.6 kHz. ARRL recommends that amateurs considering modifying existing amateur equipment for operation on 60 meters contact the equipment's manufacturer for advice.

Hamvention Reports Attendance Down in 2003

Hamvention reported June 4 that attendance for this year's 52nd show was 22,168, down a bit more than 10 percent from last year's crowd. "This is based on the number of admission tickets issued and exhibitor and staff badges issued," said a statement from the office of Hamvention Production Manager Garry Matthews, KB8GOL. Matthews told ARRL that weather played a big factor in attendance this year.

"Our biggest contributing factor to the drop was the near-constant rain on Saturday," he said. "We had a whole day washed out."

On the plus side, Matthews said, Hamvention 2003 came close to selling out vendor spaces, and many vendors reported that they had a good year, despite the smaller crowd.

The 2003 number marks the third year in a row that Hamvention's attendance had dipped. Attendance at last year's 50th anniversary event was 24,832, down about 5 percent from 2001's crowd of 26,151. The crowd size climbed to 28,804 in 2000, the year of the ARRL National Convention at Hamvention.

Matthews said Hamvention expects to wrap up negotiations within the next three weeks on a new, two-year contract with Hara Arena, Hamvention's home since the 1960s. The anticipated contract, in conjunction with support from local hotels and motels and area municipalities, "would allow Hamvention to stay in the Dayton area for the foreseeable future," Matthews' office said.

Hamvention 2004 will be held May 14-16. For more information, visit the Hamvention Web site <<http://www.hamvention.org>>.

FCC corrects comment, reply comment dates in BPL proceeding

The FCC says comment and reply comment deadlines in its Broadband over Power Line (BPL) Notice of Inquiry (ET Docket 03-104) published May 23 in the Federal Register were incorrect. In a correction issued June 3, the FCC announced that comments from the public in this proceeding are due on or before July 7, 2003. Reply comments are due on or before August 6, 2003.



No Morse Code Controversy at WRC-03

Whatever else happens at World Radiocommunication Conference 2003 (WRC-03), there's no mystery about the delegates' direction regarding the Morse code requirement. Morse code proficiency will disappear as a treaty obligation for high-frequency access when the International Telecommunication Union (ITU)-sponsored gathering under way in Geneva concludes July 4.

"One matter on which there appears to be no disagreement is the Morse requirement," said International Amateur Radio Union (IARU) Secretary (and ARRL CEO) David Sumner, K1ZZ, in a report <<http://www.iaru.org/rel030623.html>> on the second week of activity at WRC-03. "It is clear that the outcome will be to leave it to administrations' discretion whether or not to have a Morse receiving and sending requirement." He said no administration participating in the sub-working group spoke in favor of retaining the Morse code treaty requirement.

The modification of Article 25.5 of the international Radio Regulations cleared Working Group 4C on June 24. Working Group 4C is dealing with this and other proposals relating to Article 25. The modified text says, "Administrations shall determine whether or not a person seeking a license to operate an amateur station shall prove the ability to send and receive texts in Morse code signals."

It's possible but unlikely that the text would be tinkered with further at the committee level or even in the Plenary, which considers items for adoption. Sumner said delegates continue to wrangle over other aspects of Article 25, which defines Amateur Radio operation.

Adoption of the Article 25.5 modification would not mean the immediate disappearance of the Morse requirement to operate on the amateur bands below 30 MHz. Each administration, including the FCC, would then decide whether or not to drop the requirement from its domestic regulations. Some countries have indicated a desire to retain a Morse code requirement.

Sub-working groups this week funneled their reports to larger working groups assigned to tackle various pieces of the huge WRC-03 agenda. More than 2600 delegates and other participants are attending the four-week conference. For WRC-03, the IARU has fielded its largest team of observers at an ITU conference in more than a decade.

There's less consensus on efforts to secure a "harmonized" 300-kHz-wide amateur allocation at 7 MHz. Sumner said initial discussions in Sub-Working Group 4C1 "were spirited and reflected sharp differences of opinion" between those advocating realignment and those favoring no change out of deference to the disruption that any realignment would cause broadcasting services now occupying 7.1 to 7.3 MHz in Regions 1 and 3, and the fixed services above 7.3 MHz that would be affected by any upward shift in broadcasting. Amateurs in the US and the rest of Region 2 enjoy a 300-kHz allocation from 7.0 to 7.3 MHz, but hams in the rest of the world, Regions 1 and 3, have only 7.0 to 7.1 MHz.

Three alternative proposals have been passed on to Working Group 4C. "The largest group favored realignment in two stages," Sumner explained. That group included the US, CEPT, CITEL and the African Telecommunications Union. The two steps would expand the band in Regions 1 and 3 by 100 kHz in 2007 and add the remaining 100 kHz in 2015. Other plans put forth contained longer time lines. By week's end, Sumner said, the issue could be passed on to Committee 4 and then to the Plenary, where items need two readings for ultimate WRC-03 approval.

<<http://www.iaru.org/news-releases.html>>.

June 1, 2003

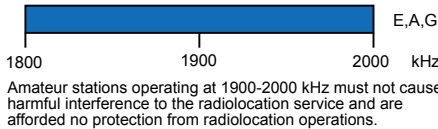
Novice, Advanced and Technician Plus Allocations

New Novice, Advanced and Technician Plus licenses are no longer being issued, but *existing* Novice, Technician Plus and Advanced class licenses are unchanged. Amateurs can continue to renew these licenses. Technicians who pass the 5 wpm Morse code exam *after* that date have Technician Plus privileges, although their license says Technician. They must retain the 5 wpm Certificate of Successful Completion of Examination (CSCE) as proof. The CSCE is valid indefinitely for operating authorization, but is valid only for 365 days for upgrade credit.

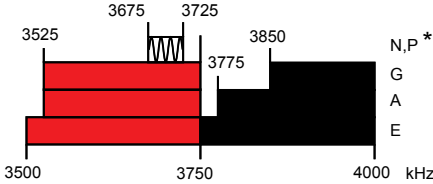
US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W. Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 W in the 28,100-28,500 kHz subbands. In addition, Novices are restricted to 25 W in the 222-225 MHz band and 5 W in the 1270-1295 MHz subband.

160 METERS



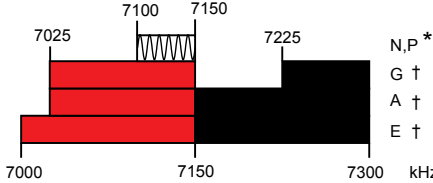
80 METERS



60 METERS (EFFECTIVE 3 July 2003)

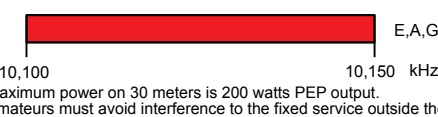
General, Advanced, and Amateur Extra licensees may use the following five channels on a secondary basis with a maximum effective radiated power of 50 W PEP relative to a half wave dipole. Only upper sideband suppressed carrier voice transmissions may be used. The frequencies are 5330.5, 5346.5, 5366.5, 5371.5 and 5403.5 kHz. The occupied bandwidth is limited to 2.8 kHz centered on 5332, 5348, 5368, 5373, and 5405 kHz respectively.

40 METERS

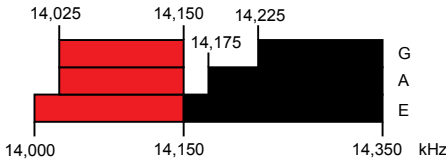


† Phone and Image modes are permitted between 7075 and 7100 kHz for FCC licensed stations in ITU Regions 1 and 3 and by FCC licensed stations in ITU Region 2 West of 130 degrees West longitude or South of 20 degrees North latitude. See Sections 97.305(c) and 97.307(f)(11). Novice and Technician Plus licensees outside ITU Region 2 may use CW only between 7050 and 7075 kHz. See Section 97.301(e). These exemptions do not apply to stations in the continental US.

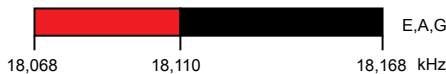
30 METERS



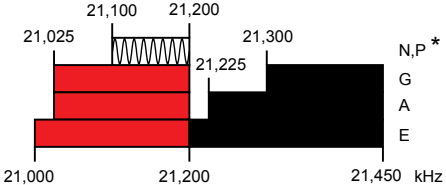
20 METERS



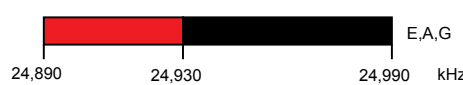
17 METERS



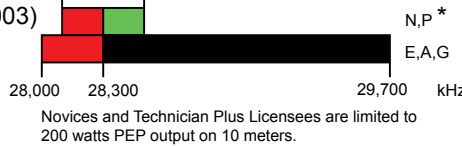
15 METERS



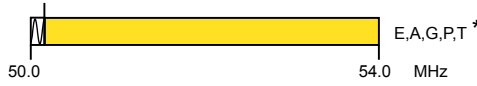
12 METERS



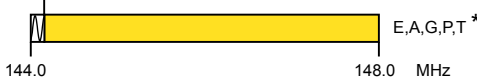
10 METERS



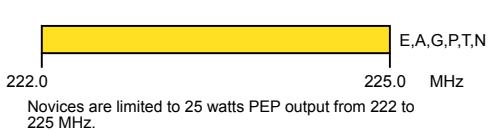
6 METERS



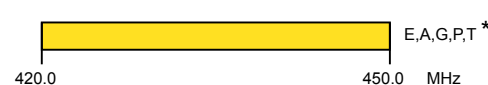
2 METERS



1.25 METERS ***



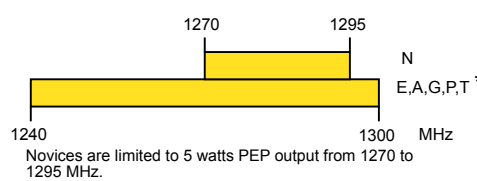
70 CENTIMETERS **



33 CENTIMETERS **



23 CENTIMETERS **



KEY

- = CW, RTTY and data
- = CW, RTTY, data, MCW, test, phone and image
- = CW, phone and image
- = CW and SSB phone
- = CW, RTTY, data, phone, and image
- = CW only
- E = AMATEUR EXTRA
- A = ADVANCED
- G = GENERAL
- P = TECHNICIAN PLUS
- T = TECHNICIAN
- N = NOVICE

* Technicians who have passed the 5 wpm Morse code exam are indicated as "TP".

** Geographical and power restrictions apply to all bands with frequencies above 420 MHz. See *The ARRL's FCC Rule Book* for more information about your area.

*** 219-220 MHz allocated to amateurs on a secondary basis for fixed digital message forwarding systems only and can be operated by all licensees except Novices.

All licensees except Novices are authorized all modes on the following frequencies:

- 2300-2310 MHz
- 2390-2450 MHz
- 3300-3500 MHz
- 5650-5925 MHz
- 10.0-10.5 GHz
- 24.0-24.25 GHz
- 47.0-47.2 GHz
- 75.5-76.0, 77.0-81.0 GHz
- 119.98-120.02 GHz
- 142-149 GHz
- 241-250 GHz
- All above 300 GHz



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Europe..... EU-188
North America NA-224
Oceania OC-262
South America SA-093
Total IOTA's..... 1046

Upcoming

NA-NEW K9AJ and K9PPY will be signing /VYØ from Somerset Is Jul 13th to 20th to put this IOTA on the air for the very first time.

Operation will be on 40 through 10 Meters, CW and SSB, usual IOTA frequencies. QSL to their individual home calls.

NA-121 W5BOS/AL5 and N5XG/KL6 will be on from Walrus Is Jul 15th to 17th.

OCEANIA Barry, ZS1FJ, Deon, ZS1ZL and Phil, G3SWH will sign as FO/G4MFW (SSB and RTTY, QSL via ZS1FJ) and FO/G3SWH (CW, QSL via G3SWH) on 28495, 24945, 21295, 18145, 14195, 7095, 3795 kHz (SSB) and 28025, 24895, 21025, 18075, 14025, 10105, 7005, 3505, 1830 kHz (CW), also 28075, 24922, 21085, 18102, 14075 kHz from the following Iotas:

OC-046 July 23rd and 24th from Tahiti, French Polynesia

OC-063 July 15th to 22nd from Mangareva, French Polynesia,

OC-152 July 11th to 14th from Tubuai, Austral Islands

OC-201 July 25th and 26th they will be on Great Barrier Island, New Zealand

Information

***AF-094** 7W4HI activated the Mediterranean Sea Coast West for the first time.

***OC-262** YE5A put Sumatra's Coastal Islands South group on the air for the first time.

RSGB IOTA CONTEST RULES

1. GENERAL The aim of the contest is to promote contacts between stations in qualifying IOTA island groups and the rest of the world and to encourage expeditions to IOTA islands.

2. WHEN 1200UTC Saturday 26 July to 1200UTC Sunday 27 July 2003.

3. BANDS AND MODES 3.5, 7, 14, 21 and 28MHz, CW and SSB. IARU band plans should be observed, with CW contacts being made only in the recognised CW ends of the bands (see RSGB Yearbook and similar sources, for recognised IARU bandplans). Contest-preferred segments should be observed, no operation to take place on 3560 - 3600, 3650 - 3700, 14060 - 14125 and 14300 - 14350kHz.

4. CATEGORIES

(a) Location:

Island (Any station operating from a qualifying island, as listed in the *RSGB IOTA Directory*. Island stations must ensure beforehand that the island from which they are operating is a valid qualifying island for IOTA. Any questions about the IOTA programme and island validity should be addressed to the IOTA Manager G3KMA (g3kma@dial.pipex.com)
World (any station not on a qualifying island).

(b) Operators:

Single operator

Single-operator Assisted

(passive use (self-spotting not allowed) of DX spotting nets and *DXCluster* is allowed).

Multi-Operator (24-hour Mixed Mode only. Multi-ops are restricted to a maximum of two transceivers, the second transceiver to be used to find and call other stations only if the station is a new multiplier. It must not be used to solicit other contacts, eg by calling "CQ" or "QRZ". Any non-multiplier QSOs made accidentally on the second station should be logged, but scored as zero points. Multi-ops may make passive use (self spotting not allowed) of DX spotting nets and *DXCluster*. Multi-operator entrants should include a full list of operators with their entry).

Short Wave Listener.

(c) Modes:

CW

SSB

Mixed-mode (multi-operator entries must be Mixed Mode).

(d) Operating Time:

24 hours

12 hours (Multi-operator entries must be 24 hours. In the 12-hour categories, operation need not be for one continuous 12-hour period but, once operation has commenced, off periods should be a minimum of 60 minutes.)

(e) Power:

(Any station not indicating transmitter power will be classified as High Power):

High-power

Low power (maximum 100 watts output)

QRP (maximum 5 watts output).

5. DXPEDITIONS

1. Island stations may, *additionally*, indicate that they are a DXpedition station as defined below, and compete for a range of expedition trophies and certificates (an additional listing will be shown in the results). It is essential that you make this clear on your cover sheet as notification after the entry deadline cannot be accepted.

2. The definition of DXpedition for this optional listing is one: where the island can only be reached by boat or air (islands which can be accessed by bridge or causeway - man-made or natural - are not eligible), where none of the operators is resident on the island, where the operators take all radio equipment and antennas with them and do not rely on a resident for any part of the station, where, in the case of 100W IOTA Island DXpedition stations, the antennas are limited to one element per band (eg dipole, vertical). (High power DXpeditions have no antenna restrictions).

6. EXCHANGE Send RS(T) and serial number starting from 001, plus IOTA reference number if applicable (island stations MUST include the IOTA reference as part of their exchange with every

QSO). Do not use separate numbering systems for CW and SSB. Stations may be contacted on both CW and SSB on each band.

7. SCORING

- (a) **QSO Points** - Contacts with own IOTA reference count 3 points and with other IOTA islands 15 points. Contacts with non-island stations count 3 points.
- (b) **Multiplier** - The multiplier is the total of different IOTA references contacted on each band on CW, plus the total of different IOTA references contacted on each band on SSB. Multi-op stations may *not* work members of their own group for multiplier credit.
- (c) **Total Score** - The score is the total of QSO points on all bands added together, multiplied by the total of multipliers.

8. LOGS

1. Electronic submission of logs by disc or e-mail is encouraged - and in fact required - for all high scoring entrants and all who use a computer to log or prepare the logs. Electronic entries are preferred, preferably in Cabrillo format (a definition of Cabrillo, as applied to the IOTA contest, can be found on the RSGB HFCC website). For other electronic log formats, include both log and summary files. Always ensure that your logging software produces a log file which correctly contains all the QSO data, and that the summary file clearly indicates your category. However, if you prepare your log electronically by *any* means (eg Excel, Word) then please send the electronic version, as it reduces the need for retyping data.

2. Logs must show: Time, Callsign, Band, Mode, RST / serial number / IOTA reference sent, RST / serial number / IOTA reference received. Please ensure you send a single log in order of sent serial number. **Do not** send separate logs for each

band. Logs from IOTA stations must state their island name and IOTA reference number.

3. Entries can be emailed to iota.logs@rsgb.org.uk and should be sent as a normal attachment to the e-mail. In the subject line of your e-mail message, please include your contest callsign.

4. Postal (paper and disc) entries should be addressed to: RSGB IOTA Contest, PO Box 9, Potters Bar, Herts EN6 3RH, England.

5. The closing date is for mailing of logs is 1 September 2003.

9. PENALTIES

Points may be deducted, or entrants disqualified, for violation of the rules or the spirit of the contest. This includes, for example, refusal by IOTA island stations to make contacts with their own country when requested, use of a third party to make contacts on a list or net, working CW multipliers on an SSB frequency, or not giving the IOTA reference for every contact. The decision of the IOTA Contest Manager and RSGB HFCC Contests Committee is final in all matters of dispute.

10. SWL CONTEST

Scoring is as for the transmitting contest. Logs must be separate for each band, and show Time, Callsign of station heard, RST / serial number / IOTA reference sent, Callsign of station being worked, Multiplier claimed, QSO points. Under 'callsign of station being worked', there must be at least two other QSOs before a callsign is repeated, or else 10 minutes must have elapsed. If both sides of a QSO can be heard, they can be logged separately for points if appropriate.

11. AWARDS

Certificates will be awarded to leading stations in each category and section, and in each

continent, according to number of entries. Awards include:

CDXC Geoff Watts Memorial Trophy to the leading IOTA Islands (non expedition) station.

IOTA Trophy presented by the IOTA Committee to the leading IOTA Island DXpedition station.

Roger Balister, G3KMA, Trophy to the leading IOTA Island DXpedition 100W station.

David King, G3PFS, Trophy, in memory of Geoff Watts, to the leading British entrant operating from a location in the UK in the single operator 12-hour SSB category.

G3DYY Memorial Trophy to the leading British entrant operating from the UK in the single operator 24-hour CW category.

W9DWQ Contest Award to the leading Single Operator North American Island Expedition Station.

A range of additional trophies will be available for the 2003 Contest, for most Category winners. In addition, the Certificate program will be extended substantially. Details are being finalised at press time, and will be posted on the RSGB HFCC Web site as soon as they are available. No entrant will be eligible for more than one trophy.

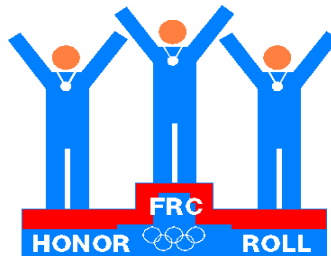
"S"pecial "S"alute

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** **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	W3CF 329	W3BGN... 305
K2RW290	K2RW 320	K2RW 296
W8FJ.....284	W3BGN ... 320	N2SS..... 294
W2YC.....281	N2SS 315	W3CF 282
K2PS275	K2PS 294	K2PS..... 265
N2SS270	WA2VYA . 292	W3SOH ... 265
WA2VYA ..267	W2YC 289	W2YC..... 264
W3SOH ...223	W8FJ 286	WA2VYA. 261
K3II.....222	W3SOH.... 266	WT3W 258
W2LE.....205	WT3W 264	KS3F..... 232
W2UP184	N1RK 247	W8FJ..... 222
KS3F178	K3II 234	N1RK..... 217
K2BU175	W3OV 234	K3II..... 200
AA2WN...164	KQ3F..... 232	W2UP 199
WT3W162	KS3F 215	KQ3F 199
W3OV150	W2UP..... 202	W2YR..... 181
KQ3F141	W2LE..... 196	K2NJ..... 162
NZ3O125	W2YR 194	W2LE 161
W2YR.....124	NZ3O 190	W3OV..... 160
N3RD.....119	K2JF 168	NZ3O 151
K2JF.....112	K2NJ 145	K2JF 135
AB2E111	K3ND 110	N3KN 127
K2NJ.....97	N3KN 106	AB2E 82
N2VW.....71	AA2WN ... 102	K3PP..... 53
K3PP.....68	N2VW 65	K3GYS 30
W3CF.....55	K3GYS..... 83	N2VW..... 27
N1RK.....46	AB2E..... 82	AA2WN.... 19
K2WJ.....28	K3PP 60	K2WJ..... 17
K3GYS8	K2WJ 40	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	KS3F 129
AA1K282	WT3W 127
K2BU.....260	K2PS 102
WT3Q.....250	K2RW 92
N2LT239	W2YR..... 80
N2TK.....239	N2VW..... 77
K3NW228	W3CF..... 77
K3SX223	N2SS 75
W8FJ192	K3NL 62
W2UP178	K2NJ 59
NO2R.....176	K3PP 59
K3JG176	KQ3F 41
K3NZ.....171	N1RK 40
W3OV163	KB3FEE..... 38
W2YC.....156	K2JF..... 34
N3RS156	W2LE..... 27
K3II148	AA2WN..... 25
K3NM.....146	NZ3O 13
WA2VYA...144	K3GYS 12
K2FL140	W3SOH..... 12
K3ND133	K2WJ 3

W3BGN continues as the undisputed
Top of Top Band.

Digital

W2UP.....334	W2YR..... 122
N2LT326	K2JF..... 113
K2PS.....275	W2LE..... 81
W3SB268	N2SS 51
K2RW231	WA2VYA 50
K2NJ.....221	N1RK..... 42
W2YC.....212	N2MR 28
AA2WN.....162	KQ3F 23
WT3W155	K3GYS 15
N3KN133	K2WJ 12
K3PP.....123	W8FJ..... 12

MOBILE DX

W2YC274	AA2WN 131
AA1K260	WT3Q 107
N2SS234	KB3FEE..... 48
N2MR.....196	K3PP 46
K2JF150	W2YR..... 21
K3GYS143	

1.5K Club

K2FL..... 1704	W3CF 1403
W3BGN 1691	WT3W 1395
N2TK 1685	K2NJ..... 1383
N2LT..... 1658	W3SOH 1378
W2UP 1646	K2JF 1350
K2RW 1591	AA2WN..... 1295
W8FJ 1577	N1RK..... 1278
N3RS..... 1564	N2VW 1258
K2BU 1550	WT3Q 1162
W2YC 1511	K2WJ..... 1161
K2PS 1509	W3SB 1132
N2SS 1505	W2YR..... 1125
NO2R 1489	W2LE 1115
K3ND 1488	K3PP..... 1110
N3RD 1458	K3NM..... 1107
WA2VYA .. 1435	N3KN 1009
KQ3F 1412	NZ3O..... 945
KS3F 1407	KB3FEE 231

Islands On The Air

K2FL.....959	W3CF 253
W3SOH 762	NZ3O..... 244
N2SS 758	W2YR..... 226
W2YC 533	K2WJ..... 223
W8FJ 530	WT3W 218
N1RK 509	K3GYS 173
KS3F 319	KB3FEE 23
N2VW 259	

6 METER DXCC

N2LT..... 102	N2SS..... 53
K2NJ 95	K3OO 52
K2JF 94	W2YR..... 41
AA1K 93	K3PP..... 30
K2PS 81	N3KN 39
WA2VYA 75	K2RW..... 36
WT3W 65	W2YC..... 14
N1RK 57	



THE FRANKFORD RADIO CLUB NEWSLETTER

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



Affiliated Club

In This Issue

JOINT FRC/YCCC
MEETING INFO

FRC 2003 DONATIONS

NEWS

AND MORE!

**Deadline for August issue:
Sunday, July 27**

The Frankford Radio Club

Club Officers

President, K3NM , Joe Brue	570-992-6890
Vice Pres, W8FJ , John Schrader	610-279-6097
Secretary, K3ZV , John Lindmeier	215-632-2919
Treasurer, K2QM , Dan Marlow	609-683-5633

Committee Chairman

Repeater, K3NL , Nick Leipold	610-449-8910
Packet, N3RD , Dave Hawes	610-935-2684
Activities, W2OX , Alex Aimette	215-721-1453
Awards, K2QM , Dan Marlow	609-683-5633
Membership	

Newsletter & Roster

Editor, KQ3F , Joe Stepansky	717-657-9792
	Email: kq3f@comcast.net
Printing, K3ZV , John Lindmeier	215-632-2919

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
145.010	N3ED
145.650	K2TD
145.530	K3WW
145.530	AA1K
145.570	WT3Q
145.570	K2TW
145.590	N2NT
144.950	K3GYS
145.730	N2BIM
147.495	W3MM
145.670	W3PP
445.525	W3EA
445.850	N3BNA
TBA	W2JT

Telnet DX Cluster

k2ut.gofrc.org
k3ww.gofrc.org
w3frc.gofrc.org