

ROCHESTER

DX

ASSOCIATION

rdxa.com



ROCHESTER DX ASSOCIATION NEWSLETTER

APRIL 2002

Regular Meeting

April 16th 19:30 local

111 Westfall Road
Monroe County Buildings

RDXA Tall Tales Night

Bring your true, nearly true, humorous,
outrageous, fanciful radio stories and share...

*Note potential meeting room change at 111 Westfall—
to room # 858 if asbestos removal work has begun.*

Social after the Meeting

Scotch & Sirloin
Winton Plaza

President's Soapbox

Mike Rundle - N1OKL

Did you work XRØX and VP6DI last month? I hope you got both of these DXpeditions in your log. The XRØ turned out to be a relatively easy catch, but the VP6 was a tough one. After logging Ducie only on 15m CW and SSB, I gave up. The pileups were huge and unruly, and the operators' penchant for working by the numbers and frequency hopping added to the frustration of many, myself included. A quick check of the VP6 and XRØ log servers turned up contacts with many RDXAers. So in spite of the problems it looks like most members who persevered made it into both logs. Frustration aside, it was an exciting time on the bands.

As I write this, I'm looking out the shack window on a scene that appears more winter than spring. But in spite of last night's unexpected snow, I find my thoughts in recent weeks turning to summer antenna projects. I haven't had much success on 30m over the winter and I'm thinking that a dedicated 30m antenna would improve my chances on this band. There's a fair amount of exotic DX on 30m and the band's 200W power limit is a great equalizer. Unlike 40m, the 30m band is not subject to daytime D-layer absorption, so signals from rare locales can often be heard any time of the day or night.

A variety of antenna possibilities for 30m come to mind—the vertical dipole and off-center fed dipole being two of the more interesting. A vertical dipole would provide omni-directional coverage and good, low-angle radiation for DX operation. An OCFD, featuring resonance at even multiples of the fundamental frequency, offers the intriguing possibility of 2-band coverage: 30m and 15m. I guess it's time to fire up EZNEC and build a couple of models and get ready to snag that next DXpedition when they turn up on 30 meters.

What are your antenna farming plans for this summer?

QRU es CU at the meeting.

Editor's Corner

Dave Wright - N2CK

How many of you managed to get through the pileups for VP6DI? I managed 3 Qs, both modes on 15 and 10 SSB. I also was feeling pretty good about working XRØX 5 times (10 both modes and 12, 15, and 17 SSB) until I checked the log for K2CS. Wow, I think he's got the record in the club! What's your secret Chris?

One thing I was astounded at was the number of folks calling VP6DI on his calling frequency! No matter how many times the net police tried to indicate that they were listening up (this was primarily on SSB) the lidfest continued. I guess they don't have rigs with dual VFOs, or if they do they don't know how to use them. In an attempt to minimize the pileup, I was strongly tempted to mention on their calling frequency that I heard them working stations 12-15 down! I didn't do it however, as I didn't want to incur the wrath of the self-appointed police. I was hoping I would find VP6DI on 20. I heard them a couple of times, but was never able to break the pileup. Something I saw on the DXnews reflector indicated that not all the logs have been uploaded so try not to fret if you're not in the log.

I've listed a hamfest calendar in this issue. The information comes from the ARRL site, so if there are errors, don't shoot the messenger. As I write this, I note that Newark is this coming weekend, and I hope I can make it. Hopefully the Rochester based hams will show up in quantity.

Did you get your Banquet and Hamfest tickets yet? Send an SASE (include your money of course) to Paul, N2OPW (callbook address) for the banquet. Irv, AF2K will have hamfest tickets for sale at the next meeting.

With one more major contest remaining on the calendar, that being the CQ WW WPX CW, have you updated the contest grid with your scores? If you're having problems accessing the data entry screen, contact Chris, K2CS with the information.

DX of the Past - April 1969

Ed Gable - K2MP

Probably one of the all time rarest of the rare DX stations was active at this time as CR8AI, Luiz Rodrigues, at Portuguese Timor. Luis had a problem in that English was his third language and he had great difficulty in picking out callsigns from the huge pileups. As such he asked for help in getting calls from other operators. This caused a lot of confusion at first with the unknowing calling on top of others which generated even more QRM. It all got sorted out, however, and we credit CR8AI with starting what is now called List Operations.

The big DXpedition of the month was HK0TU at Malpelo Island. The operators were taken to the island by a Columbian Naval Destroyer and despite their expertise, operator HK3RQ suffered a broken leg and two broken ribs while attempting to land on the rocky shore.

Other DX tidbits on this day were: Heard Island-VKØWR, Nauru Island-VK9RJ, Mauritius-VQ8CC, Gilbert Islands-VR1Q, Trucial Oman-MP4TAF and Cocos Keeling-VK9KY. A new prefix appeared on the air using CW only as 4Z4Nxx callsigns. They were Israeli Novices.

The SS Contest results were in with WNY CW top scores to K2KIR, K2KTK, WA2BEX and W2MTA. Phone winners were WA2CPQ, WB2RCB and WB2YQH. RDXA had no club score posted this year. Only eleven single operator stations were able to achieve a clean sweep. There was a lot of controversy of a study made by K9KDI who recorded that 85 percent of the stations sending precedent "A" (low power) were ten to fifteen dB louder than the high power "B" boys. He's petitioning for the elimination of the power scoring advantage as there seem to be too many cheaters. (Tnx QST, where **all** contest scores were listed.)

New equipment for the DXer this month ushered in what would become a power war among the manufacturers and the race for peak vs. average power. The winner this month was National Radio with a 500 watt transceiver using two Television sweep tubes, the NCX-500. Close behind, and slightly less boastful, was the Yaesu FTdx400 claiming 500 watts on SSB but only 440 watts on CW. Actually these rigs did make a lot of power, but what ever you do, don't hold the key down for more than a few seconds or the tubes get hot enough to melt the glass and suck the tube envelope onto the plate with fiery results!

DXCC to Accept P5/4L4FN Contacts for Credit

ARRL

NEWINGTON, CT, April 2, 2002--The ARRL has announced it will accept SSB contacts with P5/4L4FN in North Korea (Democratic Peoples' Republic of Korea) for DXCC credit. Operator Ed Giorgadze of the Republic of Georgia, has been active from the capital city of Pyongyang since early last November. Valid SSB contacts from the onset of the P5/4L4FN operation last fall may be submitted for DXCC credit, effective immediately.

"The ARRL has now received adequate evidence that the operation by Mr. Giorgadze is being conducted with the knowledge and approval of telecommunications officials in Pyongyang," said ARRL Membership Services Manager Wayne Mills, N7NG. "At the present time, this approval is limited to SSB operation." Giorgadze has been operating with oral permission from North Korean authorities, but Mills said the ARRL is

satisfied on the basis of written information submitted that the P5/4L4FN operation conforms with DXCC rules and should be accepted for credit. Mills cited DXCC Rule 7, which states, "Any Amateur Radio operation should take place only with the complete approval and understanding of appropriate administration officials." The rule continues, "In any case, credit will be given for contacts where adequate evidence of authorization by appropriate authorities exists."

Mills said the ARRL Awards Committee met and concurred that the operation should be accredited.

The P5/4L4FN operation is not a DXpedition. Giorgadze is employed by the United Nations World Food Program and often spends as much as 12 hours a day on the job, operating in his off hours. It's expected that he will be in North Korea at least until July and possibly longer. He tried for more than two years to obtain permission to operate Amateur Radio and finally was given the okay last year to bring an ICOM IC-706MkIIIG into the country. Initially using a 20-meter dipole, he now has installed a multi-band vertical and has been active on several bands. A favorite hangout has been 21.225 MHz (he works split and listens up). He's also been a frequent visitor to 10 meters.

While P5/4L4FN has been doing some RTTY operation in addition to SSB, those contacts are not yet acceptable for DXCC credit.

Bruce Paige, KK5DO, has been acting as QSL manager and liaison for P5/4L4FN. Paige offers an on-line log and additional news and information about the operation on his AMSAT Net Web site. Click on the "P5 North Korea" link.

Following the recent Ducie Island VP6DI DXpedition that racked up an estimated 40,000 QSOs, North Korea moved back into its long-held slot as the most-wanted DXCC entity. North Korea was added to the DXCC list in 1991, but actual amateur operations from there have been few and far between. The most recent was the brief P51BH operation by Martti Laine, OH2BH, in 1999, which netted just 263 contacts with the rarest entity. Laine was the first to activate North Korea in 1995, when a demonstration operation worked just a handful of contacts.

April Contests

QCWA QSO Party, CW & SSB ----- 6, 7 April
Japan Int'l DX, CW 20-10m-----12-14 April
Holyland DX Contest, CW & SSB -----20 April
GACW DX Contest
"Mr. Samuel Morse Party"----- 20, 21 April
QRP to the Field, CW -----27 April

May Contests

FISTS Spring Sprint CW-----11 May
CQ WW WPX, CW ----- 25, 26 May

Online Contest Info

Point your browser to the following website for the most up-to-date contest info: <http://www.sk3bg.se/contest/index.htm>

Rochester Hamfest Tickets Available

As a convenience for RDXA members, Irv Goodman, AF2K will have Rochester Hamfest tickets for sale at the April and May meetings. Buy now and receive a \$3 discount on the combined flea market and admission price: \$17 versus \$20 at the gate.

WNY Hamfest Calendar

Dave Wright - N2CK

Newark	13 April
Binghamton	4 May
Rochester	31 May – 2 June
Cortland	15 June
Batavia	20 July
Utica	27 July
Ithaca	3 August
Elmira	28 September

More hamfest info at: <http://www.remote.arrl.org/hamfests.html>

Thank You

Dave Clemons - K1VUT

The following letter was received from the winner of the RDXA sponsored plaque for the ARRL DX contest.

Dear Mr. Blystone,

I would like to say 'thank you' to all the members of the Rochester DX Association for your donation of the W/VE Low Power Combined Score ARRL DX Contest plaque which I received for my participation in the 2001 ARRL DX Contest. This is a very nice looking plaque which has great meaning to me, since it represents proficiency on both modes, and has been won in the past by some good operators, including your own W2TZ. It has taken its place on my wall as my most treasured operating award.

Sincerely Dave Clemons, K1VUT

2002 Awards Banquet

RDXA and RVHFG will again join together for our 2002 operating awards presentations. Here are the details:

When: April 20, 2002 6:30 PM (new date this year)

Where: Burgundy Basin Inn (same as last year)
Erie Room (new this year)

Cost: \$20.00 (same as last year) includes dinner buffet, snack table, service charge, tax, and gratuity. Cash Bar (same as last year).

Tickets available at the club meeting, see N2OPW.

Come join our celebration!

Field Day 2002 Update

Fred Groner - W2TZ

After placing #1 in 3A in 2001, RDXA has decided to try a QRO (KW) 2A Field Day this year. Field Day plans are now underway. First, in case you haven't heard, the traditional free Novice Station has been replaced by ARRL with a free GET-ON-THE-AIR (GOTA) station which will have its own call, but can only run barefoot. A more detailed definition of the GOTA station can be found at the ARRL site and should be announced in May QST, but in summary, the GOTA station is intended for non-amateurs as well as new amateurs, or even old amateurs not familiar with the low bands or contesting. The GOTA station gives us a great opportunity to introduce the public to amateur radio by allowing them to actually operate, and hopefully add new members to the RDXA membership roles.

Since the two main stations will be running KWs, antenna position and band selection will be more important than in past Field Days.

The following summarizes some of the initial plans proposed by W2TZ and K1PY:

- Main station #1 will be located out in the field in the RDXA tent at about the same place as the SSB station last year. This station will operate both 40 SSB and 40 CW using a 2-element wire beam.
- Main station #2 will be located under the south end of the barn overhang. This station will operate both CW and SSB on 80, 20, 15, and 10 using the RDXA TA-33 and an 80m dipole on the flag pole.
- The GOTA station will be located at the north end of the barn overhang and will use a 300 ohm twin-lead, all-band dipole hung off the tall pine trees at the far western end of the parking lot. The RDXA 10m beam will be mounted someplace behind the barn to the north of the woodpile.
- Positioning the TA-33 on GIZMO-1 so its element ends point at the GOTA station antennas, hopefully, will minimize interference between main station #2 and the GOTA station. Main station #2 and the GOTA station will have to operate on separate bands, so band coordination is a must in order to minimize interference.

We will need rigs and computers for all stations and a tuner for the GOTA station. 220 volt generators appear to be in hand for the KWs, but power cord, generator placement, and power distribution system details must be finalized..

We will need at least two coordinators and a good call sign for the GOTA station.

So, it won't be long until June 21,22, and 23. Talk it up and start thinking about details. All help is appreciated.

QSO Breakdown by DXpedition

Vic Gauvin - K1PY

Here is a breakdown of QSO modes by recent expeditions. Specifically this data is from the RTTY reflector, and the poster of the question was researching previous history to determine the amount of time dedicated to RTTY for the upcoming 2002 Mellish Reef expedition (more info elsewhere in this Bulletin). Source: Jari, OH2BU.

Call	Entity	Q Total	CW	SSB	RTTY
D68C	Comoros Is	168,722	84,482	75,497	5,285
ZL9CI	Campbell Is	96,004	52,270	41,343	2,391
A52A	Bhutan	82,087	42,088	37,263	2,736
K5K	Kingman Reef	80,841	41,293	38,161	1,346
VK0IR	Heard Is	80,673	45,536	33,081	2,056
XZ0A	Myanmar	79,784	38,394	38,953	2,437
FO0AAA	Clipperton Is	75,107	35,667	36,610	2,827
4J1FS	M-V Island	74,495	32,910	40,355	1,230
H40AA	Santa Cruz Is	67,129	29,604	36,384	1,007
9MOC	Spratly Is	65,524	34,298	28,856	2,075
R1MVA, R1MV	M-V Is	65,221	33,990	29,879	1,352
3W8CW, 3W8DX	Vietnam	63,200	35,900	27,300	—
FR/F6KDF/T	Tromelin Is	51,046	18,146	32,321	579
3G0Y	Easter Is	49,629	38,332	9,585	1,709
TS7N	Tunisia	46,492	29,984	12,242	663
3B9R	Rodrigues Is	46,100	23,460	21,763	1,119
VK9MM	Mellish Reef	43,876	16,664	25,512	1,548
E44/HA1AG	Palestine	40,431	29,716	9,971	744
ZL8RI	Kermadec	33,897	14,010	18,550	1,439
T30CW	Kiribati	32,630	12,434	19,004	1,192
V26EA/ET/FM	Antigua	31,915	13,055	17,172	1,673
ZL7DK	Chatham	31,335	—	—	—
8P9JR/JS/JT/J	Barbados	31,108	11,632	17,410	1,443

DX signals on 10 meters are beginning to fade, as low MUFs will dominate northern hemisphere day paths for the next several months. Short path to Europe and Asia will drop out entirely, but April and May bring the best opportunities for 10 meter long path when fluxes are sufficiently high. Ten meter propagation peaks in the fall, and it is fall in the southern hemisphere! Long path signals on 10 follow a daytime path around Antarctica, extending into the evening hours at the eastern end of the path. Routine Europeans are workable via the southwest around midnight, with the Far East (not just JA) coming through in mid morning from the southeast. These paths don't open every day, and signals are usually weak.

15 meters is now open most of the night, as well as during the day. The band is usually open for DX in many directions at once. In the morning, for example, the band is open to Europe (the classic daytime path), but is also open across night paths to Japan, the Pacific, Australia, and over the pole! Anytime you hear Australia on 15 (or 20) in the morning, long path is also open in the same direction. This is 15 meters at its best, and these conditions will peak in May and continue into June. The day path to EU is slow to open in the morning, and often preceded by a long path opening to the same part of the world. In pileups, the east coast may have short path propagation when we [Texas] don't, but an echoing long path signal from W5-land can really stand out. Sometimes you have to turn the beam a lot to see what direction signals are coming from. A severe echo on a signal is a good indication that you are beaming the wrong direction. Look for exotic African long path on 15 in the morning, and while your beam is pointed in that direction, check the same path on 20 for Africa and the Indian Ocean. Indonesian sigs in the early morning often come over the pole or via Europe. The variety of DX openings on 15 at this time of year is amazing. 20 is more predictable and very reliable. Propagation on 20 is across nighttime or greyline paths.

73, de Roy - AD5Q / Houston
<http://www.qth.com/ad5q/>

DXers Creed

By Bob Dunn - K5IQ

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In the Light of Day, and Dark of Night,
I'll crank my power full to the right,
To show my RF strength and clout,
And repeatedly my callsign shout!
Because I must, I must divine,
If in Lord Howe I'm 5 and 9!
And in Tonga, Gabon, Mayotte,
I need to know my signal's hot!
3B9 and VU7,
Send me straight to DX heaven!
Calls from lands oh so exotic,
If I miss them, I'll go neurotic!
To snag the rare ones, I'll use each trick:
I'll skip work, I'll call in sick!
I'll miss birthdays and traditions,
Just to work DXpeditions!
And when my family members whine,
I'll say, "Hang on, there's VQ9!"

But should I incur some wifely wrath,
I'll just cry, "Not now! Ten's hot long path!"
To keep my rep as pile-up buster,
I stay logged on the DX Cluster,
And I read each bulletin,
QRZ and Ohio Penn.
And though my money gets swiped by tramps,
I'll keep mailing crisp "green stamps",
In the hopes my work so hard,
Nets for me a third-world card.
The QSL, the Holy Grail!
The DXers joy that comes by mail.
And though we prize these souvenirs,
It sure takes long—it seems like years!
With each contact I near my goal,
Of DXCC Honor Roll.
And with ev'ry packet spot I'm seein',
I keep hopin' for a North Korean!
And so I'll say, "5-9, 7-3,"
"By the Buro's fine by me!"
By Boulder K and Grey-line edge,
I promise here, I make this pledge:
In the Light of Day, and Dark of Night,
I'll crank my power full to the right,
To show my RF strength and clout,
And repeatedly my callsign shout!

VK9ML Mellish Reef 2002

DX News reflector

An international team of 10 ops from G, JA, VK, W, and ZL will set sail for Mellish Reef next Monday, 8 April. The voyage is expected to take approx 3 to 4 days. For the latest news, check: <http://www.qsl.net/vl9ml/2002>

Postal Rate Increases

Uncle Sam

Note the following postal rate increases effective 30 June 2002:

- First class up 3 cents to \$0.37 for the first ounce.
- Post cards up 2 cents to \$0.23.
- Priority mail up 35 cents to \$3.85 for the first pound.
- Parcel post up between \$0.84 (to \$5.03) and \$2.18 (to \$9.43) depending on the distance for a 5 LB parcel.
- Express mail up \$1.20 to \$13.65 for a 1/2 LB item.
- Certified mail up 20 cents to \$2.30
- Return receipt up 25 cents to \$1.25.

Ham Wisdom

From the Internet



Old Hams never become senile, they just QSY a little with age. - AB7RG
You can make more mistakes faster with a borrowed Vibroplex key than with any invention in history. - KØHB
You know you've been contesting too much when you pick up the phone and shout "QRZ?" - AB7RG
Q: How many DXers does it take to change a light bulb?
A: All of them. One to change it and the rest to argue about whether it counts as a light bulb. - NØAX
When the band is seemingly dead, try this wake up call: "QRZ? The P5 again please." - AB7RG

7Q, Malawi – Chris, EC3ADC, will be in Lilongwe from April 7-17th, and will sign 7Q7DX. Activity will be on 80/40/20/15/12/10 meters. QSL via EA5IQ: Jose Maria Vives, C Moncada 62 6A, 46025 Valencia, Spain.

EP, Iran – Stig, LA7JO, continues to be active as EP3UN. Activity over the past weekend was on 30/15/12 meters CW. Watch 10103 kHz after 0215z, and 21017 and 24901 kHz between 1400 and 1630z. Also, the ARRL DX Bulletin reports that Abdullah, EP2FM, has been active using RTTY on 20 meters around 0300 to 0400 and 1600z.

FG, Guadeloupe – Look for Michel, F5IN, to be active as FG/F5IN from Capesterre, Guadeloupe (NA-107, DIFI FG001), from May 1-10th. Activity will be on the HF bands and CW only. He plans to meet with Pierre, F6FXS, who has been there since April 16th for some joint CW activity only. This will be a holiday style DXpedition. QSL via F5IN.

HI, Dominican Republic – George/KA3HSW and his son (name and callsign not provided) will be on a missions trip from June 15-27th, and he is hoping to take his rig along and operate as HI8/KA3HSW. George is not sure if he will be able to take along a computer for RTTY, but he will certainly take along cables and a copy of MMTTY in case he can lay his hands on someone else's computer!

IOTA News

AS-008. (Update) Operators JJ2GAZ/1, JQ1QFO/1 and JO1LVZ/1 are planning to be active from Izu Archipelago, Mikura Island, from April 13-14th. Activity will be on CW and SSB on all bands. QSL via their home callsigns.

AS-119. Look for operators from the Royal Omani Amateur Radio Society to be active as A43GI from Al Ghanam Island, April 12-15th. Activity will be on all bands CW/SSB. QSL via A47RS: P.O. Box 981, Muscat 113, Sultanate of Oman.

AS-079. Takeshi, JI3DST, will be active as JI3DST/6 from Miyako Island (Miyako-jima Hirara-city Okinawa-ken) April 27th through May 5th (or possible May 6th). Activity will be on 40/17/15/12/10 meters and also 6/2 meters SSB. He will be looking for DX station on 6m (Look for AF and SA). QSL via Bureau (BURO is best) or direct to: Takeshi Funaki, 2-18-26 Hannan-cho Abeno-ku Osaka-city, OSAKA 545-0021 JAPAN.

EU-045. Alfredo, IK7JWX, informs OPDX that the A.R.I. and the "Salento DX Team" will activate Zannone Island (Archipelago Island Pontine - I.I.A. LT012 - IOTA **EU-045**) with special callsign IB0A, June 20-24th. QSL Manager is I0YKN, QSL via the bureau, or direct: Nuccio Meoli Via of the Station 36 04010 CORI (LT) - Italy.

SA-029. Operators PU1NEZ/Carl, PY1LVF/Vieira, PY1NEW/Pete, PY1NEZ/Lima and PY1VOY/Rick were active over the past weekend as PT1G from Grande Island. However, operations will end April 8th. QSL via PY1LVF.

JD1, Ogasawara – Tack/JD1BKQ, Nori/JA1OZK and some other operators will install a DX Club Station in April on Ogasawara Island (JD1/O)(**AS-031**). They will be on the air as JD1YBO from the club station between May 1-5th. Their activities on the air at first from the club station will be on CW, SSB and RTTY, the Low Bands and High Bands including the WARC bands and the 6 meter band. JD1BKQ will be active mainly on the High Bands. JA1OZK will be active mainly on Low Bands and 6 meters. Some of the other club members may join the operation as well. QSL via the Bureau to JD1YBO or direct to the following address: Tatsuhiko Kimura (JD1BKQ), 79-142 Nara-cho, Saitama-city, 331-0042 Saitama, JAPAN.

KH1, Baker and Howland Islands – Nenad, VE3EXY, reports the KH1 DXpedition is still on track. According to the latest press release, activity should take place between April 29th and May 9th using a special 1x1 callsign. All standard DX frequencies will be used according to band plans. Operating modes will be: CW, SSB, SSTV, PSK, RTTY, FM and SATELLITE. Here are the suggested frequencies that will be used mostly, unless bad propagation or too big pile-up occurs:

CW - 1825, 3505, 7005, 10005 14025, 18075, 21025, 24895, 28025

SSB - 1825, 3795, 7045, 14195, 18150, 21295, 24950, 28495

FM only - 28.900

6 meters - 50.105

All QSL cards for CW, RTTY, SSTV, PSK, FM, SATELLITE, will go to YT1AD: Dr. Hrane Milosevic, 36206 Vitanovac, Yugoslavia, Europe. QSL cards for SSB will go to RZ3AA: Roman Thomas (Address will be published later). The KH1 web page is now available at: <http://www.kragujevac.co.yu/kh1>

KH8, American Samoa (IOTA Op) – Dave, AH6HY, will be going to the rare IOTA OC-077, Manua Islands, from May 18-24th. His activity will be on 10, 15 and 20 meters, SSB only. Look for him on the usual IOTA and DX frequencies. His callsign will be AH6HY/AH8. QSL via the bureau is OK or direct (1 new IRC or 1 green stamp for foreign stations). More info can be found at: <http://www.qsl.net/ah6hy/samoa.html>

Twenty-seven Day Space Weather Outlook Table

Issued 2002 January 02

US Dept. of Commerce NOAA

UT Date	10.7cm Radio Flux	Planetary A Index	Largest Kp Index
2002 Apr 03	210	10	3
2002 Apr 04	205	8	3
2002 Apr 05	205	5	2
2002 Apr 06	200	5	2
2002 Apr 07	200	5	2
2002 Apr 08	200	5	2
2002 Apr 09	190	5	2
2002 Apr 10	180	5	2
2002 Apr 11	175	5	2
2002 Apr 12	175	5	2
2002 Apr 13	175	5	2
2002 Apr 14	175	5	2
2002 Apr 15	175	10	3
2002 Apr 16	175	10	3
2002 Apr 17	175	8	3
2002 Apr 18	175	8	3
2002 Apr 19	170	8	3
2002 Apr 20	170	8	3
2002 Apr 21	170	8	3
2002 Apr 22	170	5	2
2002 Apr 23	170	8	3
2002 Apr 24	170	5	2
2002 Apr 25	175	5	2
2002 Apr 26	180	5	2
2002 Apr 27	190	15	3
2002 Apr 28	200	15	3
2002 Apr 29	205	15	3

ROCHESTER DX ASSOCIATION

W2RDX

rdxa.com

This Bulletin is the official organ of the Rochester DX Association and is published monthly, September through June, prior to each monthly meeting.

All those with an interest in amateur radio and DXing and contesting are cordially invited to any meeting. Meetings are held at 19:30 local time on the 3rd Tuesday of each month. Location is the auditorium of the Monroe County Social Services Bldg., 111 Westfall Rd., Rochester, NY.

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Dues (\$15 / year) and Correspondence to:

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Rochester DX Association

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