

ROCHESTER

DX

ASSOCIATION

rdxa.com



ROCHESTER DX ASSOCIATION NEWSLETTER

1947-2007 • 60 YEARS OF DX IN WNY

FEBRUARY 2007

No February Meeting

Next Meeting
March 20th 19:30 local

300 Jay Scutti Boulevard
Gander Mountain
Meeting Room

Coming in March

Remote Operation Primer - Paul, K2DB will share an inside look at what it takes to operate a complete HF station remotely, via Internet linking.

Social after the Meeting

Scotch & Sirloin
Winton Plaza

President's Soapbox

By Dave Wright - N2CK

Greetings all.

Well it looks like old man winter has finally decided to come and visit! I guess we're paying for those nice days in December and January. Our club member Redd is really paying - living up there in Oswego. Ready to come to Rochester for a mini-vacation, Redd? Looking at the pictures from around there, it seems almost unreal. While those of us around Rochester were complaining

about the Valentines' day storm - think about this, what we got was just a small taste of what they've been experiencing!

I played a little bit in the CW WPX RTTY contest last week. My operating time was significantly diminished as we headed out for a road trip on Saturday afternoon with stops in PA, and Jamestown - finally arriving home after the contest was over on Sunday nite. I ended up with less than 80 Qs. I did work Rick, W1TY, though I

didn't hear (read) any other local stations. There were 2 fairly odd occurrences I experienced during the contest. The first observation was that on 3 different occasions, I ended up giving the same sequence number as the previous station when I made my Q. I can't even begin to imagine the odds of that. The other weird occurrence was on Saturday is when I found myself in direct competition with another US station as I worked DOWN the 20m band. (FYI, quite often during a contest I'll tune a band from top to bottom to eliminate going head to head with other stations.) I found myself always working the CQing station after this one US ham. After about 5 iterations of this, I bumped the dial down a little further, and started searching again - thinking myself sufficiently ahead of this other station that I wouldn't hear (read) him for a while. Well, you know what's coming - less than 2 Qs later he caught up to me! So, seeing as another US op was onto my strategy, I went to the bottom of the band and started working my way back up. Guess what happened next? You got it - the same thing; another US station was working UP the band! In utter frustration I tuned to somewhere around 14.240 and proceeded to work my way up the band before I had to cease operations to load up the car for the road trip.

In case you missed the combined RDXA and RARA meeting on February 2nd, you missed a good one. Ed and Chris did a wonderful job of painting the picture of 60 years of RDXA. Ed, from his amazing stash of stuff, had some pictures of original members, along with a very informative explanation of how DXing came about. Chris added color commentary and a more recent perspective of the club. You also missed the **wonderful** timeline your esteemed Editor put together showing 60 years of radio and electronics development, club accomplishments, historically significant events, even including finishes in Field Day and KE2WK winners. Quite the attention to detail Mike! One item, which I sure will pop up in the next Board meeting is the proposal to laminate one of these timelines for posterity.

I've made this announcement before, but I'll voice it again. Mike has announced his intentions to step down as newsletter Editor at the end of this season. If you've ever wanted to try your hand at something like this, now's the time. Contact myself, or anyone on the Board. Mike has done a fine job with the newsletter, and whoever takes it over will have some pretty big shoes to fill. But don't let that scare you!

The date for the combined RDXA/RVHFG banquet has been chosen. The date is April 21st. Tickets are still just a mere \$20, and a bargain at that! We will again be at the Pineview restaurant in

Spencerport. I know there were a few comments made about having an east side location for this event – but as I knew of nothing suitable, the decision was made to book the Pineview as the date was available, and the price was right. If anyone wants to spearhead a task force to find an east side location for next year – have at it. As a west-sider, my experience with establishments on the east side is minimal.

Also in the “looking for volunteers” category, we’ll be looking to form a nominating committee soon. This is really a low-intensity task. It essentially consists of seeking out potential candidates for our next season. A few phone calls, a little one on one conversations, a little arm twisting (maybe not that extreme!) and some social networking is all that’s required. Again, contact me, or anyone on the Board.

I’ll close for now, as it’s Friday and the deadline for this was yesterday. Oops, sorry Mike! [See what a newsletter Editor has to deal with!]

Don’t forget to post those scores to the grid, and see you in the pileups.

February Contests

YLRL YL-OM Contest, CW-----	3-5 Feb
Mexico Int’l. RTTY, RTTY -----	3, 4 Feb
CQWW RTTY WPX, RTTY -----	10, 11 Feb
RSGB 1.8 MHz contest, CW -----	10, 11 Feb
ARRL Int’l DX CW-----	17, 18 Feb
Russian PSK WW Contest , PSK31 -----	23, 24 Feb
CQWW 160m Contest, SSB -----	24, 25 Feb
NAQP RTTY, RTTY -----	24, 25 Feb

More Contest Info <http://www.sk3bg.se/contest/index.htm>

March Contests

ARRL Int’l. DX, SSB-----	3, 4 Mar
Open Ukraine RTTY low band, RTTY-----	3 Mar
Open Ukraine RTTY high band, RTTY-----	4 Mar
NAQP Sprint, RTTY-----	11 Mar
BARTG Spring RTTY, RTTY -----	17-19 Mar
Russian DX, SSB, CW -----	17, 18 Mar
CQWW WPX, SSB -----	24, 25 Mar

April Contests

SP DX Contest, CW, SSB-----	7, 8 Apr
EA RTTY Contest, RTTY -----	7, 8 Apr
Japan Int’l. DX Contest, CW -----	14, 15 Apr
Holyland DX Contest, CW, SSB -----	21 Apr
TARA Skirmish Digital Prefix, PSK-31 -----	21 Apr
ES Open HF Championship SSB, CW -----	21 Apr
SP DX RTTY Contest, RTTY -----	28, 29 Apr
Helvetia Contest, CW, SSB, Digi -----	28, 29 Apr

Contest Commentary

CQWW 160m CW, N2ZN – This was my first real experience with 160 meters. Before this, I think I had used 160m less than five times, due to a lack of an antenna that would actually radiate. I began planning a 160 meter full wave loop early in January, and had even gotten half of it in the trees, but then got lazy and never “got around” to putting the other half up. This was back when it was 50 degrees every day. Fast forward a couple of weeks, and now the 250 ft. of wire I left on the ground is now buried under about six inches of snow. So, on the Thursday before the contest (in 10 degree weather and a snowstorm), I finished putting up the antenna. The next day (contest day), I ran the feedline, tested it, and all seemed to be working. Happy hour ran a bit late at the S&S, and I didn’t get home until after the contest started. I fired everything up, and the antenna seemed to be working, so I got more into the contest and even got some small runs going. I ended up making a little over 300 QSOs throughout the weekend, including 5 countries and 41 states running low power; not bad for my first real contest on 160m. The biggest surprise was working CN2A on the first call I heard K2DB several times during the weekend and worked him Sunday afternoon—the remote station was working real good. I also caught K2CS on Friday night. Looks like I’m going to need some more antennas on 160m—it’s addictive. Hope to work you all on Topband.



CQWW 160m CW, K2DB – It was a blast. I used Writelog, via logmein.com to control the station at Hickory Lake, *remotely!* It was a lot of fun. I got disconnected a few times. Conditions were great, ended up running 100 watts to a 160m inverted vee at 51 feet. 327 QSOs, 54 sections and 7 DX contacts. I was really proud of getting KH7X in HI and picked up T32 in E. Kirabati. Total score of 49,277.

CQWW RTTY WPX, N1OKL – The beginning of the contest on Friday evening was not auspicious. I started out on 20m and quickly worked all that I could hear as darkness overtook the Eastern U.S. Switching to 40m, I found signals generally weak, and conditions very crowded. The low solar flux of 78 probably accounted for the weak signals, though the A-index was at 5, which didn’t help matters. When midnight came and found my log still well short of 100 Qs, I gave up and hit the sack. By Saturday morning, the A-index had dropped to 3, and signals, while not significantly stronger than the night previous, seemed more copyable. I spent most of Saturday in a steady if unspectacular S&P mode on 20m with rates ranging from 30-50 per hour. One advantage of running a kW in RTTY is that you get through first on almost every call...which certainly helps the S&P rate. I worked plenty of Europeans and Mediterranean stations and a handful of Mid-east and Africans, racking up new mults with almost every QSO. I also made a couple of excursions to 15m to pick up extra mults I saw spotted on the clusters. At one point during the day I saw print from K8FC working a station just before me, but didn’t manage to catch up with Joe. I returned to the shack after dinner on Saturday determined to get my Q total over 200. After an hour or so on 40m, which seemed better than on Friday evening in terms of signal strength and readability, 80m seemed the likely band for hitting the 200 Q mark. By midnight, the log showed a bit over 200 contacts, and I called it a night at 13:00 local. I returned to 80m Sunday morning, but a bit late for the

grayline propagation. Still, I managed a good CQ run and the Q count edged closer to the 300 mark. As the sun moved westward, signals on 20m became more numerous and I moved my activity to follow. With my Lazy-H wire antenna array, I have found that the second day of a contest is usually the best time for me to call CQ. At this point, the big guns are looking for someone to work, and a modest station can often generate good runs. Sunday afternoon and early evening proved this point on 20m and later 40m. N2WK called me during a nice 40m run, as did W2RTY and W2LB. 2400z Sunday found my log with 471 Qs and 324,000 points after about 18 hours of operating. All in all, a fun time and my personal best yet in a RTTY contest.

Propagation

*AD5Q's notes from Cycle 22
February 1996*

Solar Flux Range ----- 6 – 76

Low Band DXing at the Bottom of the Cycle

The days are now getting longer at an accelerating pace, but it is still winter. The 20m DX Groundhog works a few JAs at sunrise on 80m, then gets up to stretch and take a look outside. Peering at the sun and seeing no spots, he knows it will be a few months until nightpath propagation returns to his favorite band. Actually, things aren't that bad. If only the shack were heated.

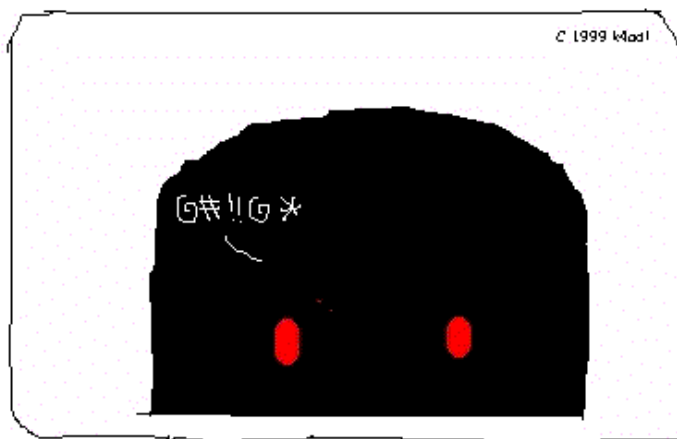
DX comes through for most of the day on 20m, and is about the only band that is currently playing across daypaths. QRN levels are low in the winter. After the band closes to Europe (when it gets dark there), openings remain to points further south. Africans can be found on the band almost anytime. Towards evening, 20m opens southeast to the Antarctic for possible Asiatic long path. Asia also opens up for short path work. Has anyone in the USA heard that 15 watt VU4 yet? 20m should be a good band in the ARRL CW contest, but proximity to Europe will also be a factor.

At the peak of the cycle it is hard to believe that there are times when it is easier to work Europe on 80m than on 15m, but we are there now. Still, the east, west and southerly paths are often workable on 15m. Activity is sparse. At night, everybody moves to the low bands.

Quiet winter nights are great for DXing on all the low bands. Activity is often thin to Europe on 40m because people don't stay up all night, and because the MUF along this path is often too low nowadays. As spring approaches, the MUF problem will diminish. Paths will shift as the night grows shorter. For now, it is good to catch the sunrise peak on the other side of the world. This can be said of all the low bands. On 40m, Russians are easily workable. On lower frequencies polar paths are very difficult, but the sunrise sweep across Europe brings out the best of 80m and 160m. This occurs after midnight in W5-Land, and an extra hour later on the East Coast. Except in contests, these openings belong to those who stay up late for them. Easterners, however, get lowband openings before our sunset that we can only dream of.

Because of the shortwave broadcast problem on 40m and the difficulty of 160m, SSB ops tend to watch 75m very closely. This band has more activity and competition than 80m CW. Activity from the Middle East tends to show predominantly on SSB. On CW, we work primarily Europe and Africa. Been there? Done that? There is always 160m, which has special requirements in terms of real estate, antennas and patience.

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



AT THE EXACT MOMENT THE RARE DX STATION RETURNS HIS CALL, EUGENE ENTERS THE TWO-MILE-LONG MOUNTAIN TUNNEL.

Courtesy of K4ADL – <http://www.qsl.net/k4adl/>

Twenty-seven Day Space Weather Outlook Table

Issued 2007 February 6

US Dept. of Commerce NOAA

UT Date	10.7cm Radio Flux	Planetary A Index	Largest Kp Index
2007 Feb 07	85	5	2
2007 Feb 08	80	5	2
2007 Feb 09	80	5	2
2007 Feb 10	80	5	2
2007 Feb 11	75	20	4
2007 Feb 12	75	20	4
2007 Feb 13	75	25	5
2007 Feb 14	75	15	3
2007 Feb 15	75	12	3
2007 Feb 16	75	8	3
2007 Feb 17	75	5	2
2007 Feb 18	75	5	2
2007 Feb 19	75	5	2
2007 Feb 20	75	5	2
2007 Feb 21	75	5	2
2007 Feb 22	80	5	2
2007 Feb 23	85	5	2
2007 Feb 24	85	5	2
2007 Feb 25	85	20	4
2007 Feb 26	85	20	4
2007 Feb 27	90	15	3
2007 Feb 28	90	10	3
2007 Mar 01	90	5	2
2007 Mar 02	85	5	2
2007 Mar 03	85	5	2
2007 Mar 04	85	5	2
2007 Mar 05	80	8	3

For more see: <http://www.sec.noaa.gov/Data/index.html#alerts>

CW for the FUN of It

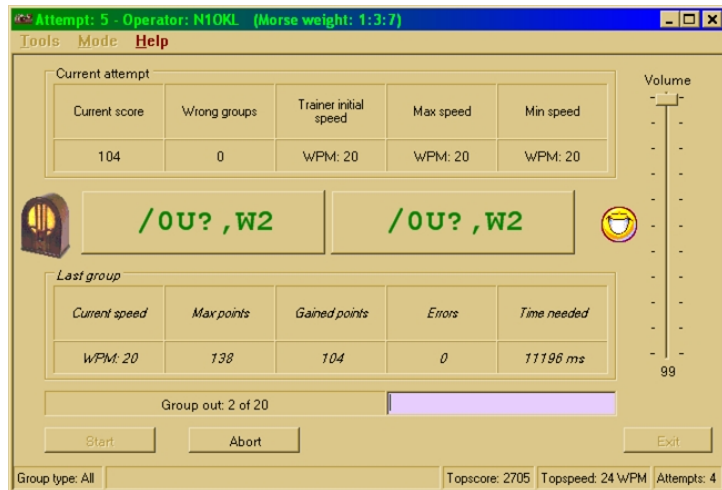
By Mike Rundle - N1OKL

Well, it's official. You no longer **have** to learn CW to become a ham. Chances are, you think this is either the best thing to happen to ham radio, or the worst. There doesn't seem to be much middle ground on this point. One thing is for sure though, those who

continue to operate CW, as well as those who learn CW in the future will do so for no other reason than because they **want** to.

It's funny how stuff like this works out sometimes. It just may be that, with the removal of CW requirements, the mode gains in popularity. In fact, some countries that previously eliminated CW as a requirement for a ham ticket have reported a slight rise in the popularity of the mode. Hmmm.

With this in mind, let me present an interesting and fun piece of **free** CW software for your computer: RufzXP. Rufz is not a Morse Code *teaching* program; it is Morse *training* software. What's the difference, you ask? Well, Rufz is not designed to teach you Morse Code. But once you know the Code, it can help you improve your proficiency, both in terms of speed and accuracy.



The main RufzXP screen showing a copying attempt in progress. The characters in the center in green are those sent (left) versus copied (right), in this case, all correctly.

Rufz is an abbreviation for the German word Rufzeichenhören, which means, 'listening to call signs.' XP simply means that this is a new version of Rufz, completely rewritten for Windows XP.

The Rufx approach is simple. The software provides several modes of operation in which either letter/symbol groups or real ham call signs are sent and copied by the user. Once copied, on the basis of the current speed, the length of the call, the number of errors and the time needed to answer, the program computes the score and varies the following transmission speed. If the copy was correct, speed will be increased, otherwise decreased. In the end, a detailed list with all data concerning the copying attempt will be displayed and, soon afterwards, the scoreboard with the attained rank. Rufz provides additional tools for keeping track of training progress and comparing with other operators via International RufzXP Toplist via the Internet.

Sounds simple, right? It is. What's intriguing is how fun and easy it is to get hooked on CW with Rufz. Once you know the Code, you'll find that just a few minutes a day playing with Rufz will quickly begin to improve your CW speed and accuracy.

Download a copy of Rufz at: <http://www.rufzxp.net/>. Install it on your work laptop, your home PC, everywhere you might find yourself with a few free minutes to kill. You'll be amazed at how quickly your Morse skills improve, as well as how easy it is to get hooked on CW fooling around with Rufz for a few minutes a day.

Announced DX Operations

From NG3K Web Pages

<http://www.ng3k.com/Misc/adxo.html>

Looking for that rare one? Just want to try out that new antenna or amp? Here's a sample of the listings you will find for active and announced DX operations on the NG3K web archive. Point your browser to the URL above for up-to-date DXpedition info. Ed.

RDXA Meeting Redux

Photos By Alan Masson - K6PSP

If you were not at the January or February RDXA meetings, here's a look at what you missed.



In a show and tell follow-up to his two informative articles on vector network analyzers, Raj, N2RD explains the features and benefits of using the analyzers.



RARA Chairman Bill Kasperkoski, WB2SXY (left) and Dave Wright, RDXA President at the combined RDXA/RARA meeting in February.



Chris, K2CS (left) and Ed, K2MP at the RDXA/RARA meeting provided a look back over the past 60 years of RDXA history.

New Ham Atlas Online

By Mike Rundle - N1OKL

A new ham radio atlas made its debut on the internet this month. Dariusz Milka (Derek), SP6NVK has spent the past 4 years compiling a database of all 337 DXCC entities, including 1100 maps and over 3000 photos. **Wow!** Point your browser to: <http://www.hamatlas.eu/> and check out Derek's work.



Included in each listing are maps, pictures of the flag, coinage, banknotes and stamps from the entity, satellite and aerial photos, geographic coordinates, etc. This is truly a groundbreaking effort. Derek also offers his atlas on DVD for \$10 + \$3 shipping.

ARRL Outgoing QSL Service Rate Change

Effective 1 January 2007, the rates for outgoing QSLs via the ARRL QSL Bureau have changed, as follows.

\$5.00 for the first ½ pound of cards or portion thereof.

\$10.00 for 1 pound.

The fee rate then increases at the rate of **\$5.00** for each additional ½ pound (i.e. a package containing 1½ pounds of cards should include the fee of **\$15.00** and so on).

A package of only **Ten (10)** cards or fewer costs only **\$1.50**.

Eleven (11) to Twenty (20) cards are **\$2.50**.

Twenty-One (21) to Thirty (30) cards are **\$3.75**.

Please pay by check (or money order) and write your callsign on the check. Send "green stamps" (cash) at your own risk. **DO NOT** send postage stamps or IRCs. Please make checks payable to: "The ARRL Outgoing QSL Service".

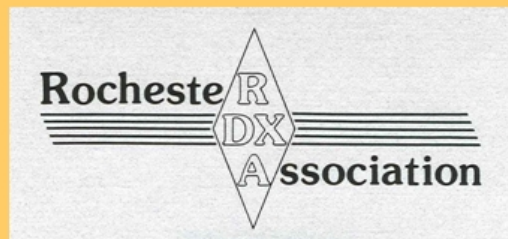
See: <http://www.arrl.org/qsl/qslout.html> for more information.

What Did You Miss? RDXA/RARA Joint Meeting

By Vic Gauvin - K1PY

As a subtle reminder of what you miss when you're not at a meeting, here's another in the "What did you miss?" series.

To more publicly kick off this year's 60th anniversary celebration of RDXA's founding, RDXA accepted RARA's invitation for a joint meeting. This was precipitated by a similar meeting in September with the RVHFG, and seemed like a win-win proposal. RARA would get a pretty special program and a bunch more people at their meeting, and so would we! The only quirk for us is that it was held at RARA's regular first Friday meeting date and at their location. (We're still waiting to hear how many people show up at Gander Mtn. on the third Tuesday. We hope we're getting the word out that we've already had the February meeting!!)



History of the Rochester DX Association 1947 – 2007

for

The Rochester Amateur Radio Association 2/2/2007

Chris Shalvoy K2CS & Ed Gable K2MP

ARRL DX Advisory Committee

ARRL DX Honor Roll – Field Checker

Title Slide from the K2CS / K2MP presentation.


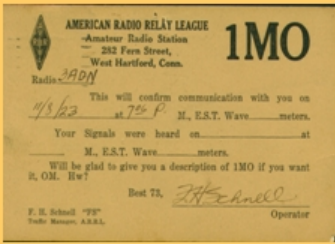
To put the program in proper perspective, Chris, K2CS, enlisted the participation of the most preeminent authority on the early days of radio, in general, and Rochester and RDXA in particular, our own Ed Gable, K2MP. And true to form, Ed started the program with the most heartfelt enthusiasm and respect for the wonder and magic of the earliest days of radio, and those who made it happen. With slides of photos and QSLs from the AWA, we saw those who set the stage for the rest of us throughout the years to come.



Prior to RDXA, "DX Men" met for Dinners

Founding Fathers of RDXA, the "DX Men."

The “DX Men,” that’s who started RDXA. This was a group of RARA members who shared an interest in DX operating and regularly got together before meetings for dinner. Since they were already getting together separately, one day they decided to just form their own club, and the Rochester DX Association was born. Its first meeting was June 9th, 1947. (And no, Ed wasn’t there!)





Fred Schnell IMO ARRL Traffic Manager

**1st Transatlantic Amateur
Amateur QSO 11/27/23**

**Fred Schnell (K) 1MO to
Leon DeLoy (F) 8AB in
France**


CW at ~ 3 Mcs SW



Leon DeLoy F8AB

First Transatlantic QSO, the beginning of **real DX**.

Chris then picked up the presentation and introduced us to the early members of RDXA, and some of their accomplishments. To illustrate it all, he directed everybody’s attention to a magnificent historical timeline diagram depicting major events in the history of radio and in Rochester and RDXA. This was painstakingly put together and printed by our newsletter editor/publisher in absentia Mike, N1OKL (many thanks, Mike!)



OFFICERS and EXECUTIVE BOARD

June 1947 - June 1948

Chairman: “Dick” Talpey, W2FJD, ex-W1KNW, W6JQV.
Asst. Chairman: “Al” Grabb, W2DOD, ex-W6DOD, (WZAH)
Sec. - Treas.: “Ollie” Sinclair, W2PYW, ex-W8HOL.
Board: “Al” Kelts, W2TXB, ex-W6TXB, (WZRG)
 Bruce Kelley, W2QCP-W2IOE, ex-W6ACY.

First Officers of the RDXA

Note use of Pre- and Post-war Callsigns

The First RDXA officers and BOD members. Note also the affiliation of several members with local broadcast stations.






The RDXA Bulletins often featured local DX Men. Shown is Sax Ringler, W2SAW

Sax Ringler, W2SAW in his fully-equipped shack. Sax was instrumental in reviving RDXA in 1979.


Chris brought us up through the more recent years when RDXA’s interests broadened to both DX and contesting (although the first club contest entry was 1948!). Not surprisingly, Field Day was highlighted as one of our major club activities.




The success of any organization can be tied to their Bulletin.

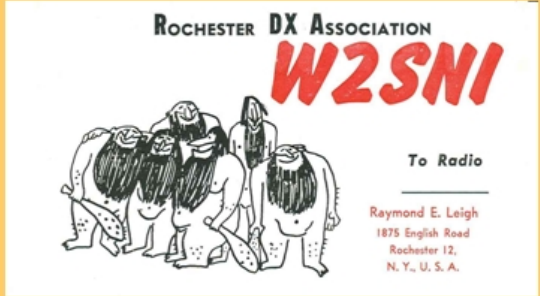
The RDXA Historically had good Bulletins with local DX News

Here’s a Sample from 1949



First RDXA Bulletin.





“Cavemen” Shown on RDXA Sponsored QSL Card

RDXA logo, “the Cavemen” on a QSL card.

Our W2RDX/50 celebration was a lead-in to our current /60 plans, and invitations were extended to join us in celebrating this milestone. The presentation wrapped up with the slide "RARA 1931, RDXA 1947, RVHFG 1949, RRRRA 1970 Rochester, New York, Ham Radio at its Best!"

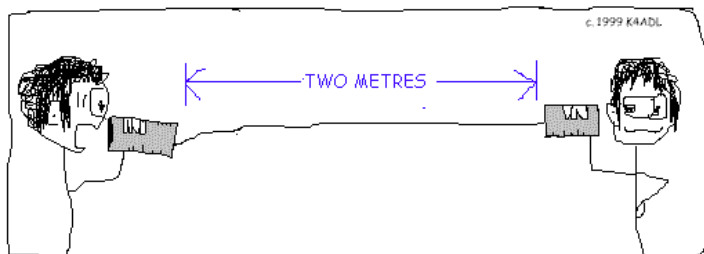
Many thanks to Chris, Ed, Mike and all who attended and showed their support. It was a great turnout!



The K2FR Memorial plaque at the S&S.



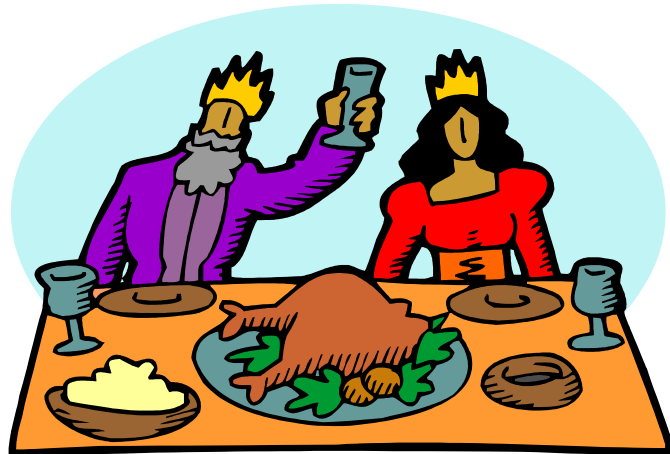
You mastered the mysteries of radio,
And sent signals into the ether.
With your skill and your art,
You slipped the bonds of time and space,
To become one with the Stuff of Creation.
May your signals propagate far and forever,
As they surely will in our hearts.



THE EARLY YEARS

Courtesy of K4ADL – <http://www.qsl.net/k4adl/>

Rochester **VHF** Group And Rochester **DX** Association Annual Awards Banquet



Saturday, 21 April 2007

Pineview Family Restaurant
2139 N. Union Street
Barefoot Landing Plaza
Spencerport, NY

1 ½ miles North of Rte. 259/531 interchange.
Union St. is Rte. 259

18:00 local - Cash Bar

19:00 local - Buffet Dinner

Awesome Door Prizes Drawing!

Tickets \$20 per person

Available from K2DH, AF2K, N2CK and N2OPW

Forecast of Solar and Geomagnetic Activity
14 February - 12 March 2007

NOAA

Solar activity is expected to be at very low to low levels.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels on 14 – 24 February, 26 February – 04 March, and again on 07 – 11 March.

The geomagnetic field is expected to be at quiet to minor storm conditions. Active to minor storm levels are expected on 14 February due to a recurrent coronal hole high speed stream. Quiet to unsettled conditions are expected on 15 – 24 February. On 25 – 27 February, a recurrent coronal hole high speed stream is expected to produce active to minor storm periods. Quiet to unsettled levels are expected on 28 February – 10 March. Another recurrent coronal hole high speed stream is possible on 11 – 12 March that is expected to produce active to minor storm levels.

More at: <http://www.sec.noaa.gov/radio/>



ROCHESTER **DX** ASSOCIATION

W2RDX

rdxa.com

This Bulletin is the official organ of the Rochester DX Association and is published monthly, September through June. Email your articles, tidbits, ham ads, etc. to Mike, N1OKL at the addresses below by the second Tuesday of the month for inclusion in that month's issue.

All those with an interest in amateur radio and DXing and contesting are cordially invited to any meeting and to join RDXA. Meetings are held at 19:30 local time on the 3rd Tuesday of each month, September through June.

President-----Dave Wright – N2CK
n2ck@arrl.net

Vice President-----Vic Gauvin – K1PY
k1py@frontiernet.net

Sec/Treasurer-----Charles Kuhfuss – WB2HJV
wb2hvj@rochester.rr.com

Board of Directors

Irv Goodman – AF2K-----af2k@juno.com

Doug Stewart – N2BEG-----stewarts@rochester.rr.com

Alan Masson – K6PSP-----k6psp@arrl.net

Chris Shalvoy – K2CS-----chriss@globalhp.com

Appointed Positions

DX Chairman ----- Chris Shalvoy, K2CS

Packet Cluster Sys Op ----- Bob Hunter, NG2P

Webmaster ----- Scott Hoag, K2ZS

NG2P Packet Cluster----- 144.910 MHz
Telnet: ng2p.ham-radio-op.net / Port 7300

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Mike Rundle, N1OKL ----- michael.rundle@kodak.com
Alternate email: n1okl@pcilearn.com

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

Charles Kuhfuss, WB2HJV
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Rochester, NY 14626

Professional Home Inspection



Paul Mackanos - K2DB
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