

► CLUB OFFICER
INFORMATION AND
TABLE OF CONTENTS
ARE ON **PAGE 2**

► FOR THE MAY
BUSINESS MEETING
MINUTES, TURN TO
PAGE 3

► SEE WHAT'S GOING
ON IN THE MONTHS OF
JUNE & JULY: **PAGE 39**
FOR JUNE, **PAGE 40** FOR
JULY. JULY ALREADY!
YEESH!

**NEXT MEETING: JUNE 15 AT THE
CLUBHOUSE. MEETING STARTS AT
8:00PM. COME FOR THE MEETING,
STAY FOR THE DELICIOUS FOOD &
SOCIALIZING AFTERWARDS.**

CU THERE!



[<www.w3kwh.com>](http://www.w3kwh.com)

**REMEMBER: KEEP ME IN THE
LOOP ON LOCAL EVENTS.
JUST BECAUSE YOU KNOW
DOESN'T MEAN I KNOW!**

Kilo Watt Harmonics

THE OFFICIAL (AND ONLY) NEWSLETTER OF
THE STEEL CITY AMATEUR RADIO CLUB

The Prez Sez.....

Hot enuff for ya? How about WET enuff? Weird weather so far this year from temp extremes to either dry as a bone or almost drowning. Mother Nature must be trying to correct for something!

Kind of like what we are doing at the club with all the projects we have going on. In an effort to make better use of our space in the building we have the repeater room re-fit in the planning stages so the new (to us that is) 440 repeater can have a permanent home.

More discussion on new operating tables has been taking place.

The usual weed/brush problems which Mother Nature so kindly provides on an eternal basis is a work in progress.

Field Day exercises coming up real fast!

Joe Sciuilli, KA3TDQ, will be stopping by for a visit this next meeting thanks to the efforts of Lloyd KA3MSE and Bob NU3Q. New ARES cards are to be had at that time so if you have not filled out a new application yet, do so and Joe should be able to have them for you at the next meeting when a short presentation/introduction will take place so we may get to meet Joe.

The Breeze Shooters Hamfest will be another point of activity with some tables set up to provide info and interesting history of the local clubs with thanks to Nat W3SVJ taking the bull by the horns on behalf of Steel City.

(CONTINUED ON PAGE 38)



**My boy was back this year! That guy with
the helmet antenna! I haven't seen him in
years. Nice to see him back again!**

Dayton '10: Here & gone already!

A few months ago we were all fighting winter what with the mounds of snow and such. Now here it is May and Dayton is already behind us! Time just seems to fly by anymore. Me personally, I had a great time, although I always go into sensory overload when I first walk in the door. There is just so much to see between the flea market and all the toys inside, that 2 days isn't enough to see it all. I was lucky enough to go and record the event for posterity, and I've documented my findings here throughout the newsletter. So, if you didn't make it, you can see what you missed: Goodies in the flea market, and new stuff in the inside halls. Thanks for your attention! 73 de NB3C.....

Deadline for the July newsletter is
Friday, July 9. The newsletter will
be published on or about July 11.

The Info Page

Officers of The Steel City Amateur Radio Club:

President: Robert
Lenfestey, WB3HDI
(412)-276-5106
<wb3hdi@w3kwh.com>

VP: Joe Fenn,
WB3AGB
(412) 429-9328
<wb3agb@arrrl.net>

Treasurer: Walt Adkins,
KA3YNO
(412) 276-0825

Recording Secretary:
Joe Mielnicki, WA3FWA
(412) 922-6340

Corresponding
Secretary:
Sue Rakiec, KA3JKS
(412) 243-3061

License Trustee:
Karl Pastorak, WA3VXJ
(412) 429-8055



INSIDE THIS ISSUE: (CLICK ON AN ARTICLE TO READ IT)

Business Meeting Minutes:
(May 2010).....Page 3
ARRL WPA Section
News.....Page 4
National News.....Page 5
DX News.....Page 6
Dayton Hamvention
Report.....Various Pages
Throughout The Newsletter
Local News.....Page 13
New DXCC Entities Coming In
October?.....Page 14
The Beginner's Help
Desk.....Page 15
More DX Happenings.....Page 16
WA3TTS 6M Beacon
News.....Page 37
Dayton Hamvention de
W3SVJ.....Page 38
Free RTTY Software.....Page 38
June Calendar.....Page 39
July Calendar.....Page 40
NHARC Hamfest.....Page 41



June 2010

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Amateur Radio Club

Editor: Greg Babin, NB3C

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The Steel City Amateur Radio Club (412) 787-0777
2M Repeater: 147.030/147.630MHz (PL 123.0)
70cm Repeater: 444.450/449.450MHz (PL 103.5)
WA3TTS Beacon: 144.300MHz (CW)
WA3TTS Beacon: 50.070MHz (CW) 1/2 w ERP
ATV Repeater: 426.250MHz (Currently off-line.)
1296MHz Beacon: 1296.269MHz (CW) 1W

AND I COULDN'T HAVE PRODUCED
THIS NEWSLETTER WITHOUT THE
HELP OF THESE FINE PEOPLE:
W3SVJ, WB3HDI, WA3FWA, N3MSE,
WA3TTS, W3WN, NU3Q, ARRL.
THANKS ALL, FOR YOUR EFFORTS.

Business Meeting Minutes: May 2010

President WB3HDI, Bob opened the meeting at 8 PM with a Pledge of Allegiance followed by a Moment of Silence for our Silent Keys. 19 members and 3 guests answered the Roll Call. Minutes of the April meeting were accepted as printed in the May newspaper. The Treasurer's Report was given by Treasurer KA3YNO, Walt and was accepted by the membership. Walt discussed how we must apply for our tax-exempt status.

Committee Reports

⇒ **Clubhouse** WA3VXJ, Karl and son Brian cut the grass, Karl and K3JHT, John cleaned up the clubhouse and are working in the kitchen. The new surplus repeater was placed on a dolly. Bob HDI would like to get the brush cuttings ground up. W3WTW, Tim will check with his commercial contact to get the cuttings ground.

⇒ **Technical** WA3TTS, Mike explained the club's participation in the recent KP4AO EME exercise. The club's call sign was heard by KP4AO in Arecibo, PR by way of moon bounce. He gave an audio presentation with software obtained to download W3KWH's CW call sign captured by KP4AO. W3WTW, Tim considered buying a digital receiver and Direct TV type dish to get free non-encrypted satellite signals. Tim will get the firmware to fix the repeater controller bug. Mike suggested and the membership agreed that we give a donation to his radio club in the name of the donor for the 300 watt 440 repeater retired from Channel 2. Karl said that the repair parts for the KT34 yagi are on order.

⇒ **Contest** Mike reported that the VHF contest (6/12-6/14) and Field Day (6/26-6/27) occurs in June. SCARC normally runs FD as 3E.

⇒ **Membership** WA3BKD, Art gave the second reading for prospective member AB3KD, Jay.

⇒ **Public Service** N3EQP John, W3WTW Tim, WB3CRC Dale, N3SBF Richey, KB3GMN Carol and W3SVJ Nate had worked the Pittsburgh Marathon.



WWW.ARRL.ORG

⇒ **Ways and Means** WA3FWA Joe will run the 50/50 raffle after the meeting and collect any QSL cards for the outgoing ARRL bureau.. AN ATTEMPT IS BEING MADE FOR A CLUB ACTIVITY AND FUND RAISER. I HAVE ORDERED A 2 M AND A 440 HT FROM A CHINESE COMPANY AND WILL OFFER THEM AS A RAFFLE PRIZE. TICKETS ARE \$ 5.00

EACH AND WHEN 20 TICKETS ARE SOLD FOR EACH HT A WINNER WILL BE DRAWN AND HE CAN CHOOSE THE HT HE WANTS. THE REMAINING HT WILL GO ON THE NEXT 20 TICKETS SOLD. THIS IS A NOVEL IDEA BASED ON THE LOW PRICE OF THE HT'S AND EXCELLENT SATISFACTION OF W3WTW, WA3VXJ AND N3VEF WHO HAVE BOUGHT THEM. THE DEMAND FOR THESE HTS IS THERE. IF THIS WORKS OUT, WE CAN DO MORE OF THESE RAFFLES.

⇒ **Volunteer Exams** W3MAC Mac reported that the next exam session would be held at the clubhouse on June 14.

⇒ **Good of the Order** W3SVJ Nate emailed info that Skyview ARC will have a table at the Breeze Shooters Hamfest to promote all local HR clubs. SCARC may set up a display with the Skyview club. N3EQP John displayed a recently obtained library book, "Emergency Communications Handbook". Jay informed us that there would be a Wings Over Pittsburgh exhibit in Sept. at the 911 Air Base. HDI Bob reported that KR8Q Mark has not been well and has been missed from the club recently. We should work on renewing our ARRL Special Services certification. Walt suggests that we have our stand by radios checked up so that they are useable if needed.

⇒ **Motion to Adjourn** by WA3BKD Art.

⇒ **50/50 raffle** won by WA3FWA Joe.

Next meeting: June 15, 8PM—CU THERE!

Minutes submitted by Recording Secretary WA3FWA Joe.

ARRL WPA Section News

I want to congratulate Harry Bloomberg ,W3YJ and Dave Kleber, KB3FXI for an outstanding article on a Digital Simulated Emergency Test article published in the June QST. The article is printed on pages 76-77. These two individuals have worked diligently to promote and develop uses for NBEMS in our section. If you do not know about this digital mode contact Harry at <w3yj@arrl.net> or Dave at <kb3fxi@yahoo.com>. My personal thanks to both of these guys for all the help they have provided me through their efforts. Thanks Guys!!

Good weather is finally with us and hamfests will be a common event for the next few months. The largest hamfest for the W.Pa. Section will take place on June 6 in Butler. This year the Breezeshooters will host their 56th hamfest . I will be at the hamfest at the ARRL table and invite you to stop and say hello. Larry Keller AB3ER has arranged to have a forum regarding ARES at the hamfest so check the schedule in the main building. Additional information is available at <<http://www.breezeshooters.net>>. Hope to see everyone there for this great event.

In just a few short weeks Field Day 2010 will be in operation June 26-27. This event is the most enjoyable thing for me with the exception of the PA QSO Party. I am able to travel around the section and visit with area clubs at their field day sites. It is amazing to see the ingenuity of the hams as they set up their station and engineer antennas for the weekend event. This event is designed to demonstrate emergency preparedness and show people in our community how we can provide a service in times of need. While it is not a contest many strive to score higher than neighboring clubs and we all check the results as soon as they are posted to see where our favorite club placed. Another wonderful aspect of field day weekend is the social aspects; the wonderful food and the camaraderie that is paramount at every location. If you would like me to stop by for a visit send me an email at <n3mse@arrl.org> providing the request and a location.

Several months ago I posted information regarding a bill that was introduced into the House of Representatives here in Pennsylvania. The bill was designated HB-2070. This bill was designed to prohibit hand held cell phones from being used while a vehicle was in motion. Unfortunately the wording of the bill is such that amateur radio devices, particularly handhelds could also be prohibited with the passage of this bill. While we have worked for the past several months to get this bill amended it has not been done at this time. I strongly urge every amateur and their relatives and friends to write, email or call their state senators and oppose the passage of this bill unless specific language is added to exempt amateur radio devices from the bill. Some legislative people feel that all our radios are permanently installed in vehicle as part of the bill exempts devices that are physically or electrically integral to the vehicle. This needs all of our immediate attention to contact our local reps and oppose passage. If you need help determining your state officials check the following web site <<http://www.legis.state.pa.us/>>. In the upper right corner you can enter your zip code to get the officials for your district.

Again I am asking for someone to step up and volunteer to handle the duties of the Section Traffic Manager. This position has been vacant since late last summer and I have been handling those duties. Often this is difficult for me to nightly make the net to collect the data. I am asking for your help in this function. Duties include participating in the nightly section net on 3983KHz and collecting the net reports each month then compiling the data to forward to myself and to HQ. Additionally you would work with the Section Emergency Coordinator in planning the Simulated Emergency Test. If you are willing to help in this area, please contact me directly for any additional information.

As always I encourage you to join one of the various traffic nets and help deliver messages to individuals in your community and throughout the country as operators struggle to keep the keep this activity running strong. The section net is on 3983 every evening at approximately 6:00 PM local time. Join the nets and lets all get Radio Active.

73 John V. Rodgers, N3MSE W. Pa. Section Manager

THE ARRL WPA SECTION:

SECTION MANAGER:

John V. Rodgers, N3MSE
803 S Main St.. Butler, PA
16001-6326 (724) 287-0424
<n3mse@arrl.org>

ASSISTANT SECTION MANAGER

ASM DIGITAL COMMUNICATIONS:

Anthony F Petruccielli, KE3ED
473 Park St. Rochester, PA.
15074-1859 (724) 774-4173
<ke3ed@arrl.net>

CHIEF ASSISTANT SECTION
MANAGER: Bruce E Watson, AA3LX
4347 Highland Ave. Butler, PA. 16001-
2959 (724) 482-2756, (412) 482-2756
<aa3lx@aol.com>

ASM MEDIA LIASON:

Tony Zona, WB3KGT
2485 Dorn Rd. Waterford, PA.
16441-4013 <wb3kgt@arrl.net>

AFFILIATED CLUB COORDINATOR:

Keith "Pete" Highlands, N3RLJ
212 N 1st St. Jeannette, PA.
15644-1827 (724) 523-6232
<n3rlj@arrl.net>

OFFICIAL OBSERVER

COORDINATOR:

R Ralph Ofchinick Jr, W3ZPI
9 Brooklane Dr. Harrison City, PA.
15636-1515 (724) 744-7180
<w3zpi@arrl.net>

SECTION EMERGENCY

COORDINATOR: Larry Keller, AB3ER

3907 Bridgewood Circle
Murrysville, PA. 15668-9478
(724) 325-2220 <ab3er@arrl.net>

SECTION TRAFFIC MANAGER:

POSITION UNFILLED. PLEASE
CONSIDER VOLUNTEERING FOR
THIS POSITION.

TECHNICAL COORDINATOR:

David R Heim, KA3SMF
1032 Nimick Ave, Monaca, PA.
15061-1333
(724) 774-3733
<ka3smf@arrl.net>



News From The National Front.....

Gleaned from various issues of the ARRL Bulletin. Thank you , ARRL for permission to reprint here.

⇒ FCC PROPOSES ADDITIONS, CHANGES TO AMATEUR 5 MHZ ALLOCATION

Acting on a 2006 *Petition for Rulemaking* filed by the ARRL, the FCC has issued a *Notice of Proposed Rule Making (NPRM)*, ET Docket No 10-98 to modify the rules that govern amateurs' secondary use of five channels in the 5 MHz frequency range known as 60 meters. The proposed changes would substitute a new channel for one that is seldom available because of occupancy by the fixed service, which is primary in this range. Also proposed is an increase in power from 50 to 100 W effective radiated power (ERP) and the addition of CW, PSK31 and PACTOR-III modes with provisions to ensure that such operations would be compatible with the primary service.

⇒ CANADIAN HAMS MAKE USE OF NEW PRIVILEGES

After several years of hard work by the Radio Amateurs of Canada (RAC) and Industry Canada (IC) -- Canada's equivalent to the FCC -- Canadian amateurs received privileges on 2200 meters (135.7-137.8 kHz) at the first of the year. Scott Tilley, VE7TIL, of Roberts Creek, British Columbia, and John Gibbs, VE7BDQ, of Delta, British Columbia, completed the first official Canadian two-way 2200 meter QSO on April 24. Using CW, the Canadian amateurs reported strong signals during daylight QSO on 137.100 kHz. Roberts Creek and Delta are about 41 miles (66 km) apart. Gibbs used a homebrew tube transverter at 100 W output into a short top-loaded backyard wire vertical, while Tilley was running 400 W from a homebrew FET transmitter into a 60 foot top-loaded wire antenna. "As well as heralding the arrival of a new 'top band,' the QSO demonstrates that even amateurs located in typically small city-sized lots can enjoy the challenges that 2200 meters has to offer," Tilley told the ARRL. "Hopefully many other Canadian amateurs will soon be melting solder to join the fun on our new band!"

⇒ BILL CROSS, W3TN PRESENTS FCC FORUM AT HAMVENTION 2010

Bill Cross, W3TN, a staff member in the FCC's Mobility Division -- part of the Wireless Telecommunications Bureau -- spoke at the FCC Forum on Saturday morning at the 2010 Dayton Hamvention®. Billed by the Hamvention's Forum Committee as more of an emergency communications discussion, Cross discussed this and other matters -- such as FCC proceedings regarding vanity and club call signs, 60 meters and power limits for spread-spectrum users, -- as well as the FCC's *National Broadband Plan (NBP)*. The FCC's Mobility Division handles the day-to-day administration of the Amateur Service, along with some of the rulemaking activities that affect Amateur Radio. The Division has staff members in Washington, DC and Gettysburg, Pennsylvania. The Gettysburg staff deals with most of the Amateur Radio applications and licensing matters, as well as the Universal Licensing System (ULS). [Click to read more here.](#)

⇒ FCC UPHOLDS DECISION TO REVOKE LICENSE OF INDIANA AMATEUR

Lonnie L. Keeney, KB9RFO, of Greencastle, Indiana, filed a Petition for Reconsideration in March 2010, asking that the FCC re-evaluate the revocation of his Amateur Radio license. Keeney -- who in 2002 was convicted of child molestation, a Class C felony -- was found by the FCC in February 2010 to be "lack[ing] the requisite character qualifications to be and remain a Commission licensee." Keeney appealed the decision, and on May 24, the FCC denied his Petition via an Order on Reconsideration, affirming the revocation of his Amateur Radio license.

⇒ NEW ZEALAND'S RADIO SPECTRUM MANAGEMENT CITES HAM FOR TRANSMITTING 3100 W

Last month, New Zealand's Radio Spectrum Management (RSM) -- that country's equivalent of the FCC -- charged and fined Alan Potter, ZL3II, of Christchurch, for transmitting outside the terms and conditions of the General User Radio License for Amateur Radio Operators. Potter was charged in the Christchurch District Court on April 14 and found guilty of breaching Section 113 of the *Radiocommunications Act 1989*. Section 113 deals with those who "commit an offence under this Act who transmit radio waves."

Potter was found in possession of radio transmitting equipment that was capable of operating at a significantly higher power than the Amateur Radio Operators General License allows. He was fined \$1750 (\$1164 USD) and \$130 (\$86 USD) for costs. Potter was also required to forfeit his radio equipment. Section 114 of the *Radiocommunications Act of 1989* references Section 113 and presumes that "any person who erects, constructs, establishes, maintains, or is in possession of any radio transmitter is presumed to have used the radio transmitter." According to news reports, RSM was alerted to a video that Potter posted on YouTube (the video has since been removed), showing showed his transmitter operating at 3100 W. Operating at such high transmitting power is likely to cause interference to, and disruption of, a range of other licensed radio services in the local area. New Zealand amateurs are restricted to no more than 500 W PEP.

⇒ AMATEUR COMMUNITY NEEDED TO ASSIST JAPANESE AMATEUR INTERPLANETARY SATELLITE

An informal network of ham radio experimenters, scientists and CW enthusiasts called FlyVenusCom -- a nonprofit, cross-cultural effort -- has been created to support communication efforts by Japanese scientists with its CubeSat Venus probe, UNITEC-1. This CubeSat was developed by 20 universities of the University Space Engineering Consortium (UNISEC), the Japanese community developing nano-satellites. The Japanese UNITEC-1 team has called for ham radio assistance worldwide in improving and testing two areas of the CubeSat's mission. What makes this mission of particular interest to amateurs is the fact that the UNITEC engineers have added a 5 GHz Amateur Radio beacon to the spacecraft and they are encouraging hams to attempt to receive it. On May 21, Japanese ground stations reported receiving the CW and FSK beacons (call sign JQ1ZUN) at a distance of about 30,000 km. They measured the beacon frequency at 5839.91 MHz. Even though the latest reports say that the signal has been lost, the UNITEC team is trying to re-establish contact with the satellite.

DX News is gleaned from various issues of the ARRL DX Bulletin.
Many thanks to the ARRL for permission to reprint here.

- ⇒ **ANGOLA, D2.** Andrew, G7COD is QRV as D2AK from Luanda and is here for the next twelve months. Activity is on 80 to 10 meters using CW and SSB. QSL direct to home call.
- ⇒ **ETHIOPIA, ET.** Sid, ET3SID has been QRV on 20 meters using SSB between 0330 and 0600z. QSL direct to home call.
- ⇒ **MACQUARIE ISLAND, VK0.** Denis, ZL4DB is QRV as VK0/homecall for the next three months while on work assignment. He is active in his spare time using SSB. QSL via ZL4PW.
- ⇒ **VIETNAM, XV.** Larry, W6NWS will be QRV as XV2W from May 15 to June 9. This includes entries in the upcoming CQ WPX CW and SEANET contests. QSL to home call.
- ⇒ **OPERATION APPROVED FOR DXCC CREDIT.** The following operation is approved for DXCC credit: Iraq, YI9PSE, 2010 operation.
- ⇒ **MAYOTTE, FW.** Lionel, F5PSL will be QRV as FH8ND beginning May 23. Activity will be on the HF bands. His length of stay is unknown. QSL via F5PSA.
- ⇒ **FRENCH GUIANA, FY.** Bruno, FJ5IF is now QRV as FY8DK. He is here for several years. Activity is on the HF bands using mostly SSB. QSL via F5TJP.
- ⇒ **HUNGARY, HA.** Special event station HG30FHA is QRV until the end of 2010 in commemoration of the space flight of the first Hungarian astronaut, Bertalan Farkas. QSL via bureau.
- ⇒ **BELIZE, V3.** Mike, VE2XB will be QRV as V31XB from Caye Caulker, IOTA NA-073, from May 25 to June 14. Activity will be on all HF bands, including 6 meters, using CW and SSB. QSL to home call.
- ⇒ **PRINCE EDWARD AND MARION ISLAND, ZS8.** Pierre, ZS1HF is now QRV as ZS8M from Marion Island, IOTA AF-021. Activity of late has been on 40, 20 and 17 meters using SSB. He plans to be active using digital modes soon. QSL direct via ZS1X.
- ⇒ **CHINA, BY.** Special event station BT90HIT will be QRV from June 1 to 10 in celebration of the 90th anniversary of the Harbin Institute of Technology. QSL via BY2HIT. In addition, B7P will be a Multi/Single entry in the CQ WPX CW contest. QSL via BD7IXG.
- ⇒ **FRANCE, F.** Special event station TM24H will be QRV from May 30 to June 13 in commemoration of the 78th running of the
- 24 Hour Le Mans Road Race. QSL via F6KFI.
- ⇒ **OPERATIONS APPROVED FOR DXCC CREDIT.** The following operation are approved for DXCC credit: **3B8EME – Mauritius Island 2010 Operation**, YI9HOC – Iraq, 2009 Operation, **9U2T – Burundi**, **9UPVI/9U1P – Burundi, 2010 Operations**, **9X0CW – Rwanda**, **9X0LX – Rwanda, 2010 Operations**. If you had QSOs rejected for any of these operations send an e-mail to dxcc@arrl.org to be placed on the list to update your DXCC record.
- ⇒ **ANNOBON ISLAND, 3C0.** Elmo, EA5BYP and Javier, EA5KM will be QRV as 3C9B from Bioko Island, IOTA AF-010 and as 3C0C from Annobon Island, IOTA AF-039. Activity will be on 160 to 6 meters using CW, SSB and RTTY with two stations active. QSL via EA7FTR.
- ⇒ **MALAWI, 7Q.** Barrie, G4AHK is QRV as 7Q7BJ from Nkhotakota until June 22 while on vacation. Activity is mainly on 160, 80 and 40 meters. QSL to home call.
- ⇒ **MALDIVES, 8Q.** Tom, PF4T will be QRV as 8Q7TB from Embudu Island, IOTA AS-013, from June 5 to 25. Activity will be on 80 to 10 meters using SSB and RTTY. QSL to home call.
- ⇒ **SINGAPORE, 9V.** Loren, AD6ZJ will be QRV as 9V1/home call from June 6 to 28 while here on business. Activity will be mainly on 30, 17 and 12 meters using CW, SSB and RTTY mostly on the weekends and his evenings. QSL to home call.
- ⇒ **PAKISTAN, AP.** Tariq, AP2TN is generally active daily on 20 meters after 0130z. QSL via DJ9ZB.
- ⇒ **ST. BARTHELEMY, FJ.** Conny, DL1DA will be QRV as FJ/home call from June 8 to 20. Activity will be on 40 to 6 meters using mostly CW and RTTY. QSL to home call.
- ⇒ **ST. MARTIN, FS.** John, K9EL will be QRV as FS/K9EL while on vacation. Activity will be on 80 to 6 meters using CW, SSB and RTTY when possible. QSL to home call.
- ⇒ **NORWAY, LA.** Waldi, SP7IDX is QRV as LA/home call from Engeloya Island, IOTA EU-062, until June 17. QSL to home call.
- ⇒ **NETHERLANDS, PA.** Piet, PA3CCQ is QRV as PI65SRA until June 20 in celebration of the 65th anniversary of Dutch ARC VERON. Activity is on 80 to 10 meters using CW. QSL via bureau.
- ⇒ **DODECANESE, SV5.** Max, IZ4JMA will be QRV as SV5/homecall from Karpathos Island, IOTA EU-001, from June 6 to 20. Activity will be on 80 to 10 meters. QSL via operator's instructions.
- ⇒ **WEST KIRIBATI, T30.** Haru, JA1XGI is QRV as T30XG from Tarawa, IOTA OC-017, until June 9. Activity is on 40 to 6 meters using CW, SSB and RTTY. QSL to home call.

Report from Dayton 2010...

KiloWatt Harmonics, June 2010
Page 7 (click for Table of Contents)



To the left is a Collins 'Colli-Kit'. This is a kit version of the 75A4 receiver. Up for auction in the flea market, it was advertised as having MOST of the parts. I believe the starting bid was 1500 bucks. I have no idea what the final price was or if it even sold.

That's one of the things about Dayton: You never know what kind of gems you'll see inside or out.....

One thing you can say about Dayton is, it never disappoints! That was true this year too. I thought there was a lot of variety in the flea market this year. All the big manufacturers were there, along with the big dealers; AES, HRO, R&L, Ham Station, etc., and they were all dealin'. If you feel your interest in radio is waning, a trip to Dayton will rejuvenate you real quick....



Once again, boat-anchors were in abundance at the flea market, and reasonably priced, just like last year. Here's a nice clean Hammarlund HQ-170 to the left, and some nice old stuff I can't identify above. (I'm ashamed! I dig boat-anchors!)



The threatening skies that greeted us on Friday gave way to a beautiful day with blue skies both Friday and Saturday. It was perfect walking-around-the-flea-market weather; I wore just a tee-shirt and was quite comfortable.



A new hand-held being offered by Kenwood. No model number assigned to it, but I understand it'll be APRS-capable. Look for it sometime this fall at your favorite dealer.



Here's a cool nixie-neon clock that was being raffled off by RFConcepts, the new owner of Alpha amps. I put my name in the box, but alas & alack, I didn't get a call saying I won. Oh well.....

Last year I wrote about the Luso tower that was there. I didn't see this part: some sort of a counter-weight system. That big yellow counter-weight you see here is one of two, is about 6' long and is SOLID STEEL. Believe it or not, this tower had a sold sign on it.....



Dayton Hamvention.....

KiloWatt Harmonics, June 2010
Page 9 (click for Table of Contents)



Computers, new & used were in plentiful supply inside and outside.

I'd say the crowd size was about the same as last year. No increase, but then again, no marked decrease.

DARA held the line on ticket prices. 25 bucks at the door.

Even Hara Arena seemed to be a little cleaner. Not as grody as last year.

I'd still like to see a new venue, though. Maybe Columbus, yes?



Icom's antenna and tower outside at the flea market. Not as big as last years, but I wouldn't turn down the opportunity to plant this in my back yard.....



That gloomy sky quickly turned sunny in just a few hours or so. To top it off, it stayed that way for the rest of the weekend.

Dayton Hamvention Report.....



Something new from Ten-Tec: A 2-Band QRP transceiver. Unknown what the price will be.

Kenwood's new HF rig, the TS-590. Designed to compete with the Elecraft K3. Features adjustable IF filtering. They say they're shooting for a fall delivery, and an \$1800.00 price tag. Looks about the size of the old TS-440.....



MFJ/Ameritron/Cushcraft was there in full force displaying their wares in the main arena. Here's their lineup of Ameritron amps.

Dayton Hamvention.....

KiloWatt Harmonics, June 2010
Page 11 (click for Table of Contents)

There were some empty spaces in the flea market, but I don't believe it was as bad as last year. >>>>



I don't know if its me or what, but the quality of boat-anchors has been increasing the past few years. Not only that, but the prices have been real reasonable too.

Above, is a nice set of Collins gear. Not only was the Collins gear clean, but I saw a lot of nice Drake, Ten-Tec, Heath, Hallicrafters, among others.....

A nice old Hallicrafters BC-669 (I believe) military receiver seen in the flea-market. >>>



Dayton Hamvention Report.....



Icom was pushing D-STAR quite heavy. They had at least 2 displays inside. I also understand the D-STAR forum was packed. NU3S who attended it sez the growth of systems across the country is taking off.

Above: Yaesu's new FTDX-5000 radio with the optional monitor scope on top. This one always had a crowd around it.

To the right is the Yaesu VL-2000 linear amplifier. To the right of it is the VL-1000 amplifier.



Local News



'BIKE MS' LOOKING FOR OPS

"On behalf of the Western Pennsylvania Chapter of the National Multiple Sclerosis Society, I would like to invite your club to be a part of the Bike MS: Escape to the Lake event in 2010. Last year with the help of our sponsors and cyclists, we were able to raise almost \$1.3 million in the fight against MS. This year we hope to raise even more, and we hope that we can count on you for your support to help this event run smoothly.

The funds that are raised from the generosity of our sponsors and participants support both national research efforts and local programs and services to help to improve the quality of life for persons with MS. Some of the services made possible include information and referrals, support groups, medical equipment assistance, education and peer counseling. These and many more programs enable us to work toward our mission of a world free of MS.

The MS Society of Western Pennsylvania is requesting help from your club. Over 1,500 cyclists will take to the road on the weekend of June 12 and 13, 2010 and amateur radio operators are an important piece to the communications structure. With your club's support the radio operators will provide important information on the whereabouts of riders that need assistance and where supplies are needed at several rest stops. Please contact the ham radio communications coordinator, Mark Shallenberger, for additional details at 98 or his cell phone at (814) 746-0770.

If you have any questions, please call me at (412) 261-6347 or e-mail me at [<lauren.dimaria@nmss.org>](mailto:lauren.dimaria@nmss.org). On behalf of the more than 7,050 individuals in Western PA served by our chapter, thank you for your time and consideration."

NHARC D-STAR UPDATE

It is official! The NHARC Repeater Committee has received the letter from the Western Pennsylvania Repeater Council giving us the okay to use 146.22 - .82 for our new two meter D-Star repeater. We have everything except the radio module in house. Our plan is to shop all of the Icom dealers displaying at the Dayton Hamvention for the best price. For more detailed information about this project and project updates, please visit the dstar.nharc.org website. We want to thank the very kind and generous members of the Skyview Radio Club for giving us the frequency pair. Transferring an existing coordinated frequency pair is many times easier than applying for a new frequency pair.

Don't forget about the NHARC Hamfest in July! It'll be on Sunday, July 11 at the Northland Public Library. See the attached flyer at the end of the newsletter for more info. (Click [here](#) to go there.)

Also in July: The Pittsburgh Vintage Grand Prix. It'll be held the weekend of July 24-25 at Schenley Park in Oakland. Volunteers are ALWAYS welcome to participate. Corky, N3MJP is the contact man for this detail and you can reach him at 724-217-5458.

Joe Sculli, our new EC, will be visiting "Mount SCARC" on our June meeting night. He and I will be doing the "dog and pony" show and he will have new ARES cards for us as well. (de NU3Q)

The next meeting of the QCWA Chapter 6 will be held at Rocky's II lounge on Island Ave, in McKees Rocks, just off of the east end of the Neville Island Bridge. Doors open @ 1130AM, meeting starts @ 1200PM.

1562 Island Ave in the Rocks (Route 51).

Also, a 70 year certificate will be presented to Art Kunst, W3WM.

Members are encouraged to bring an item along with them for the 'Show & Tell' session, and tell the story behind it's significance or sentimental value.

Hope to see you there!

New DXCC Entities Coming This October¹ By Ron Notarius, W3WN (Thanks Ron!)

As many DX'ers are already aware, political change is coming to the Netherlands Antilles this October¹ (barring another re-evaluation of the date of change). With that, it is anticipated that there will be at least two new DXCC Entities on the list. Could there be as many as five?

Background

The Netherlands Antilles consist of two groups of islands within the Lesser Antilles, a volcanic arc of islands in the Caribbean Sea. One group is located north of Venezuela (Aruba, Curacao, and Bonaire), and are considered part of the South American continent; with the other group located southeast of the Virgin Islands (Saba, Sint Eustatius and Sint Maarten), which are considered part of the North American continent. It is considered a country within the Kingdom of the Netherlands, having been "upgraded" from colonial status in 1954.

For DXCC purposes, prior to 1986, the two groups of islands were separated far enough apart (by both distance and intervening DXCC entities) to count as two different DXCC countries (entities): "Netherlands Antilles" for the South American group, and "Sint Maarten / Saba / St. Eustatius" for the North American group. Both entities shared the PJ and P4 prefixes, with P4 often used for contest or special calls.

After some delays, on January 1st, 1986, the island of Aruba became an autonomous country within the Kingdom of the Netherlands, with separate *status aparte* from the rest of the Netherlands Antilles. As part of this independence, the P4 prefix was reallocated to Aruba, and it also received separate entity status for DXCC purposes. This was a step towards complete independence for Aruba, which was postponed in 1990 and 1995.

Referendums were held on each of the 5 islands of the Netherlands Antilles between 2000 and 2005 to poll the population on their desires for their future status. Sint Maarten and Curacao voted for *status aparte*, similar to Aruba. Saba and Bonaire voted for closer ties with the Kingdom of the Netherlands. Sint Eustatius voted to remain within the Netherlands Antilles.

Following further political discussions and negotiations not pertinent to this discussion, October 10th, 2010¹ was scheduled as the date for the Netherlands Antilles to be dissolved as a unified political entity as we know it, and for the 5 main islands to change their political status.

(Sources: <http://en.wikipedia.org/wiki/Netherlands_Antilles>, <<http://en.wikipedia.org/wiki/Aruba>>, and others)

⇒ What Changes

For DXCC purposes, it is clear that we will have at least two new entities active as of October 10th. Curacao and Sint Maarten will become independent countries within the Kingdom of the Netherlands, as Aruba previously achieved. (What their new prefixes will be has yet to be announced or determined).

What is not as clear is how the DXCC status of the other three islands would change.

Were Curacao and Sint Maarten simply to leave the Netherlands Antilles for *status aparte*, one would not expect any change in the two current DXCC entities (save possibly a name change... as per Yugoslavia/Serbia), simply that they'd be smaller and would consist of the "surviving" islands.

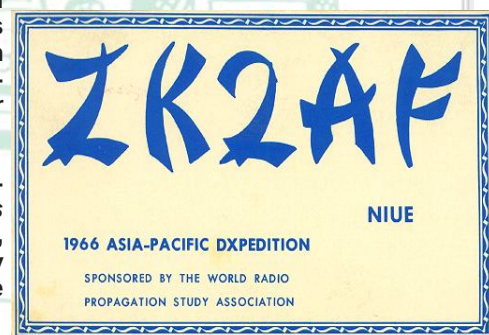
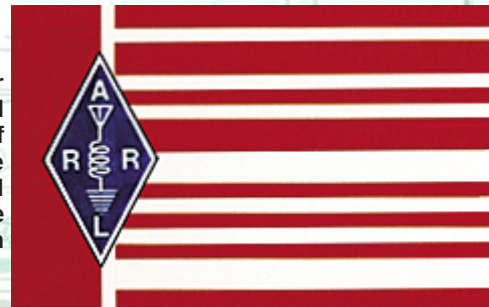
But that is not the case, as Bonaire, Saba, and Sint Eustatius will become a direct part of the Netherlands as "special municipalities," and the political entity known as the Netherlands Antilles will dissolve and disappear.

Until last year, this would have been a cause for concern for many DX'ers. The "DXCC 2000" rules that have been in effect since circa 1998 dropped the notion of a "deleted countries (entities)" list that had previously been in effect. Under these rules, if an entity ceased to exist, it simply disappeared from the list, along with previous credits for it. And until now, no prospects appeared in the future for an entity to disappear. However, the upcoming political changes in the Netherlands Antilles implied that the existing two entities would simply disappear into oblivion from the DXCC lists.

Fortunately, that will not be the case, as the concept of the Deleted List was reinstated last year. As a result, the existing two Netherlands Antilles DXCC "counters" will simply move off the active list... if you worked them, they still "count," they simply won't be available any longer after October¹.

Were the Netherlands Antilles to continue to exist in some form as a political entity, I would have presumed that the existing two entities would be retained on the active list. But as it is being dissolved, I don't see that as being the case.

(CONTINUED ON PAGE 19)



The Beginner's Help Desk

A (semi) frequent feature where I try to discuss topics (I hope) new and seasoned ops will find useful & interesting. **YE OLDE EDITOR'S DISCLAIMER:** I have no interest, pecuniary or monetary in any of the websites or programs described herein. My intent: Keep the newsletter from becoming the same old boring schtick month after month after month.....Thanks for reading. 73 de NB3C.

My topic of discussion for this installment: Remote Base Operations.

Imagine this in your head: Your job as a janitorial supply salesman takes you all over the country. You've just sold your 1,000,000th scented toilet cake, you're feelin' pretty proud of yourself, sitting in the coffee shop with your laptop, sippin' on a Latte, connected to the VE7CC DXCluster (featured last month in these very pages). All of a sudden you see the spot you've been looking for the last 20 years: P50DX! North Korea! The last one you need for DXCC #1! But, you're sitting in Chicago and the shack is back home here in Pittsburgh. What are you gonna do? A quick call to the XYL (or OM; hey, I believe in equality) to turn the rig and amp on, and rotate the array up over the North Pole, you connect the laptop to the rig and BAM!; you've just added North Korea to your totals & you're in the log! How did you do it?

Simple: Via an internet connection, you can connect to your rig while on the road and keep on top of the DX.

There are 4 basic steps to the whole process:

- 1: Load/configure the software on your computers
- 2: Connect the radio to the computer
- 3: Configure your firewalls
- 4: Work DX!

While it's not complicated it is a little involved. Therefore, I'm gonna break this down into 3 areas of discussion: Software, Hardware, and testing. But first let me get some terminology out of the way so you'll know what I'm talking about throughout the article:

- ⇒ **IP (Internet Protocol) address:** This is a numerical identifier assigned to your computer by your internet provider. It is specific to your computer only. It'll usually be in the format similar to this: 75.93.199.200, or 75.200.110.273 (not necessarily these particular numbers though), although I've also seen sequences like 13.26.179.6. 4 groups of numbers, no other computer will have the same number as yours at the same time.
- ⇒ **Static IP address:** An identifier as above, assigned to you that **WILL NOT CHANGE**. Every time you boot up, you'll have the same address.
- ⇒ **Dynamic IP address:** An identifier as above that will change periodically. I've seen this happen while accessing my computer; all of a sudden the connection drops and I cannot re-connect. That's because my address changed while in use.

How do you get a static IP address assigned to you if you don't have one? Sorry Charlie; you gotta pay for it by upgrading (probably) to a business internet account. Although I have noticed that my residential FiOS account does indeed have a static address assigned to it.

Here is a handy website to find out what your current IP address is: <http://whatismyipaddress.com/>. It'll also tell you whether your address is static or dynamic.

- ⇒ **Host computer:** This is the machine you are attempting to access; IE, the shack computer. I'll refer to it as 'Host' from here on out.
- ⇒ **Remote (or Client) computer:** This is the machine used to access the host machine (the one with you in Chicago, in our case). For the sake of our discussion, I'll simply describe it as 'Remote' from here on out.
- ⇒ **Router/Modem:** I will use these terms interchangeably. It's your connection to the internet. That thing with the blinking lights on it. (HA HA)
- ⇒ **TCP:** Transmission Control Protocol. A reliable method of transferring data over the internet. Used in setting up your firewalls.
- ⇒ **UDP:** User Datagram Protocol. Another method of transferring data over the internet. Not as reliable as TCP. Again, used in setting up your firewalls.

OK, now onto the software discussion.

You will need 3 of 5 of the following programs to do this:

- ⇒ **Windows Remote Desktop** (included with XP, Vista and 7): FREE.
Not needed if you use PCAnywhere. A built-in program used to remotely access your shack computer, or any computer for that matter, as long as both are set up to do so. **NOT RECOMMENDED FOR WHAT WE ARE DOING.**

(CONTINUED ON PAGE 22)

⇒ KH5 JARVIS DXPEDITION COMING IN NOVEMBER

Radio Expeditions Inc, the organizer of the record-breaking VP6DX 2008 DXpedition to Ducie Island, is planning a DXpedition to Jarvis Island (KH5) in 2010 November.

The on-air dates of approximately Nov 17-Dec 01 (depending on weather and sea conditions) were chosen to maximize propagation openings on both low bands (160-80m) and high bands (12-10m long and short path) to Europe, where demand for KH5 is extremely high.

Planning for this project began over one year ago. Applications for the required government permits have been submitted to the US Fish & Wildlife Service. Final approval has not yet been received.

Plans call for 24-25 operators to continuously staff 12 stations on CW, SSB and RTTY on 160m through 6m. (No 60m operations are planned). CQ WorldWide CW contest operations are included.

Sea transportation and support services will be provided by the MV Braveheart and its crew, the same group who helped make the 2008 VP6DX expedition a success.

No individual contributions are being solicited until the required government permits have been received.

About Radio Expeditions, Inc:

Radio Expeditions Inc is a permanent, non-profit organization of volunteers founded by Eric Scace K3NA and Carsten Esch DL6LAU in 2007. Its activities include:

- conducting high-quality DXpeditions to difficult locations;
- applying professional engineering, organization, financial, and risk management practices to maximize the return on investment of donor funds for expeditions;
- developing technology, procedures and training to advance the state of the art for radio operations in the field;
- supporting on-site research in radio propagation, physical and biological sciences.

Its first project, the 2008 Ducie Island VP6DX expedition, shattered many DXpedition records. The 2010 Jarvis Island project is the second project of Radio Expeditions. A third project will be announced at the 2010 Dayton Hamvention's DX Forum.

⇒ WRTC 2010 NEWS

To encourage the HAM radio community worldwide to make contacts with WRTC-2010 participants during the IARU HF Championship contest the weekend of July 10-11, 2010, we would like to announce our special awards and prizes program. WRTC-2010 awards, special plaques, T-shirts and trophies will be issued based upon the following rules:

1. QSO points

All WRTC stations will use distinctive callsigns from the block R30A - R39Z. The same WRTC-2010 station may be worked once on CW and once on SSB on each band (80, 40, 20, 15 and 10m). The WRTC stations will not operate on 160m. Each confirmed two-way CW or SSB QSO with a WRTC-2010 station counts 1 point.

2. The logs

The WRTC Committee needs as many IARU contest logs as possible to create the QSO data base it will use to cross check the WRTC competitors' logs. We ask all stations working the IARU contest to please send copies of their electronic, Cabrillo formatted logs to logs@wrtc2010.ru or upload them to <http://www.wrtc2010.ru/upload> no later than 18:00 UTC on Sunday, July 11, 2010 (Note: this is only six hours after the end of the contest). The subject field should contain your contest callsign, e.g., "Subject: RA5AA".

The Committee guarantees that these logs will be used only to determine winners of the WRTC awards and prizes, and for cross checking the WRTC-2010 teams' logs. Please understand that sending us a copy of your log does NOT constitute a log submission for the IARU HF Championship; for that, you should also e-mail your log to IARUHF@iaru.org.

3. Awards and Prizes:

WRTC-2010 Certificate: For making 50 QSO points with the WRTC-2010 stations in any combination of modes and bands.

WRTC-2010 Special Trophy:

- For making QSOs with ALL WRTC-2010 Stations on CW
- For making QSOs with ALL WRTC-2010 Stations on SSB
- For making QSOs with ALL WRTC-2010 Stations Mixed

(CONTINUED ON PAGE 21)

Once again I zipped in and out no problem. No construction woes to worry about around Dayton. The only thing I had to contend with was I-70 East was closed at Columbus. An easy detour on I-270 took about a 1/2 hour extra...

Last month I had a little article on something new that the Hamvention organizers wanted to try: 'Discover Homebrew', where you brought in your homebrewed creations and shared them with the rest of the world. I guess it wasn't such a good idea after all.....

Dayton Hamvention



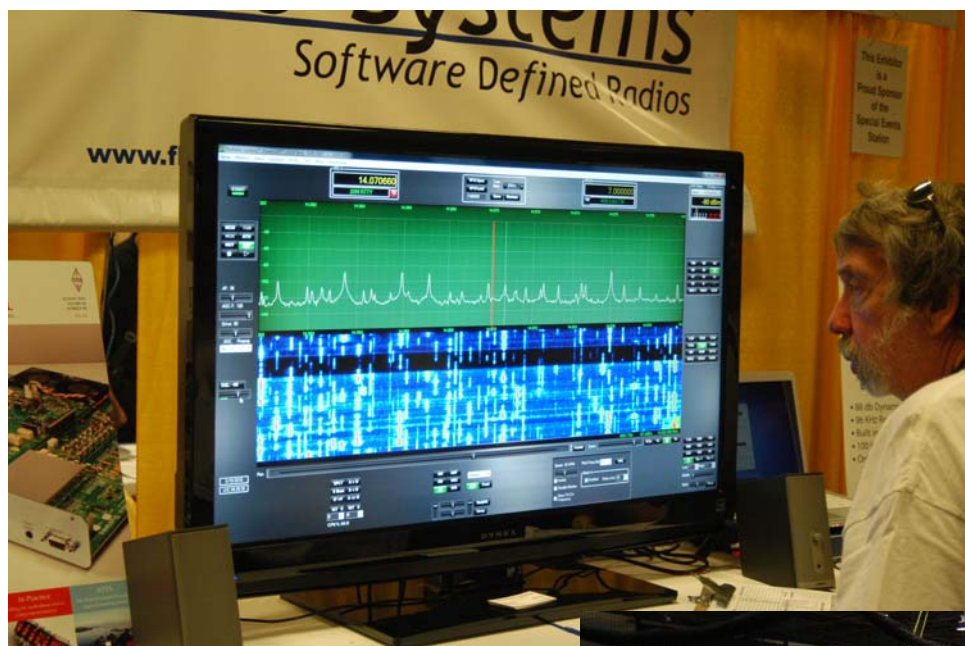
I know you're probably getting tired of the Luso tower pics by now, but I can't help it.....I'm awed by the size of this thing. It's like we're living in a land of giants; the story of Jack & the beanstalk, except compared to this, we're Jack.....This is the thrust bearing on the tower....This the last picture, I promise



Seen on scene at Dayton Hamvention 2010: W3SVJ, KA3YNO, WA3RVD, NU3Q, NU3S, AI3J, WA3BKD, AE3JM, DC3RJ, N3DXE, N3EQP, Ye Olde Editor NB3C, plus reps from WASH, Skyview, NHARC, WACOM. Did I miss anybody from our club?

The main hall was filled with antennas from MFJ, Cushcraft, Hy-Gain et al.....





I figure about 18000-19000 people showed up this year. I remember when 25000-30000 people showed up! If I were them, I'd move the show back to mid-April. Yeah it was cooler, but you don't have the conflicts with kids graduating college and such.

Dayton Hamvention Report

Above: When you see a FlexRadio setup connected to a monitor like this one, you can't help but be attracted to it!

The arena on Friday morning, as seen while I was resting, trying to figure out what I wanted to see next. Very crowded, with people spending money at AES, HRO R&L etc.



Icom's new IC-9100 all mode DC-to-daylight rig. They tell me they're shooting for a fall release, with a \$4000.00 price tag. OPTIONS include a 1.2GHz 10w module, 1st IF filters for the HF/50MHz bands, and a D-STAR module. I'd like to see it priced at 4 grand (or less) WITH options, and WITH the color display like the Pro III has. About the same size as the IC-756 PRO III. Very nice looking.....A little pricey though. I hope they'll reconsider the price point.

New DXCC Countries (from pg 14)

A final decision on this has yet to be handed down from the DX Advisory Committee or the DXCC Desk, and I don't anticipate one until we get much closer to October ¹, as the final details of the political changes aren't all set yet.

With that in mind, it is clear that Bonaire will continue to have separate DXCC status. It is possible that the final ruling might be that Bonaire "retains" the existing Curacao/Bonaire Netherlands Antilles entity, but based on my understanding of the changes, I anticipate that Bonaire will become a separate DXCC entity in its own right, and the existing Bonaire/Curacao entity will go to the deleted list. I'm not as certain as to whether or not Saba and Sint Eustatius will remain as one entity (which I think is much more likely due to the distance between them), or each become their own entity (most likely, if it happens, for political reasons), but likewise, I don't anticipate that either or both of them will retain the existing S/S/S entity.

So: We will end up with a net change of at least 2 more entities on the DXCC list, Curacao and Sint Maarten. The existing two entities will go on the deleted list, but will be replaced by at least two, possibly three, new entities from the remaining islands.

⇒ What Does This Mean for DX'ers Today?

As we eagerly await in anticipation new ones to work, keep in mind that it looks like we have two going inactive within less than 6 months ¹. So if you need either or both of the Netherlands Antilles entities for band or mode fills... now is the time to work them. And there's been plenty of activity from visiting hams of late to make this relatively easy to do.

And get ready for October ¹. Starting on the Sunday of the Pennsylvania QSO Party, the bands will be active with DX'ers looking to get at least two "new ones" into the log. Especially for those on the Honor Roll who might see their status change, once the new entities take their place on the DXCC list, if they don't work them!

(And not to worry if you don't get them right away. Based on past precedent with Saint Barthelemy, the change to the list won't take place until after January 1st, 2011, although credit will be backdated to the actual date of independence)

(1) To be clear: As of this writing, the scheduled date for these political changes is October 10th, 2010. This has been postponed several times already, so there remains the possibility that the date may be postponed again. The DXCC entity status will not change until the political changes actually take place, whenever that ends up being.

My thanks to Bernie McClenny W3UR, owner of the Daily DX & QST Columnist for 'How's DX', for reviewing this article and pointing out a few items that needed to be clarified.

Hamvention Report



Seems like every time I turn around, MFJ is buying somebody else. Lets see now: MFJ, Ameritron, Vectronics, Cushcraft, Hy-Gain. I am glad to see they still make & support the rotor line. I wish they'd bring back their line of towers though...

You guys & gals who have never been to Dayton before; you gotta go. Between the forums, the flea-market, the inside displays and dealers selling, you'll never be bored. I don't look forward to the drive, but once I get there, I'm glad I went. Dayton NEVER disappoints!



I don't know about everybody else, but I think the crowd at Dayton is getting YOUNGER! Yeah, the old timers are still there in force, but I noticed a lot of younger people, especially teen-agers there. Maybe that no-code thing is working in our favor after all.....



Hamvention!

I think that just about every manufacturer of radios was represented in the flea-market: Heath, Hallicrafters, Hammarlund, Elmac, National, Collins, KME, Zenith, Icom, Kenwood, Yaesu, Ten-Tec. All clean stuff too, nothing really beat beyond recognition with an outrageous price tag on it....



WRTC-2010 T-shirt:

DX: for making 100 QSO points with WRTC-2010 stations

EU: for making 180 QSO points with WRTC-2010 stations
ITU Zone 29: for making 140 QSO points with WRTC-2010 stations

WRTC-2010 plaques will be issued to the stations with the highest number of QSO points in the following categories:

Worked all WRTC-2010 - Single op CW
Worked all WRTC-2010 - Single op SSB
Worked all WRTC-2010 - Single op Mixed
Worked all WRTC-2010 - Multi op CW
Worked all WRTC-2010 - Multi op SSB
Worked all WRTC-2010 - Multi op Mixed

WRTC-2010 plaques will be awarded for each of the following areas: Europe, Asia, North America, South America, Africa, Oceania, USA, Japan, HQ stations, European Russia (R1-R7), Asiatic Russia (R8-R9), Asiatic Russia (R0)

The complete list of WRTC-2010 station callsigns will be published on the WRTC WEB site 1 day before the contest.

We also ask you to cooperate with requests from R30A-R39Z stations to move to another band or mode with them for a new multiplier or QSO.

WRTC-2010 Organizing Committee <www.wrtc2010.ru>

⇒ CQ ANNOUNCES 2010 HALL OF FAME INDUCTEES

(Dayton, OH - May 14, 2010) -- CQ magazine today announced its 2010 Hall of Fame inductees, welcoming 15 new members into the CQ Amateur Radio Hall of Fame, and two new members each into the CQ DX Hall of Fame and the CQ Contest Hall of Fame.

The CQ Amateur Radio Hall of Fame honors those individuals, whether licensed hams or not, who have made significant contributions to amateur radio; and those amateurs who have made significant contributions either to amateur radio, to their professional careers or to some other aspect of life on our planet. The 2010 inductees (listed alphabetically) are:

Buchanan, Chester W3DZZ (SK) - Developer of the W3DZZ triband trap beam, very popular with hams in the 1950s and '60s.

Cotner, Calvin K4JSI - Retired Director of Operations for Comsat World Systems, awarded the 2009 Aerospace Communications Award from the American Institute of Aeronautics and Astronautics for "technical and strategic leadership" in international cooperation in satellite communications from the earliest days to the present.

Dana, Forrest, 4AGR - Early Army Amateur Radio System member who (with Ralph Hollis, 4AFC) provided critical communications after the Caribbean hurricane of 1928, maintaining a link with the War Dept. and providing information that brought help from the Army and the Red Cross (2010 is the 85th anniversary of AARS, the predecessor of MARS).

Harlan, Gene WB9MMM (SK) - Amateur radio magazine publisher. Editor/Publisher, ATV Quarterly; founder, Cyberham magazine.

Hart, George W1NJM - Former ARRL Communications Manager; chief developer of the National Traffic System.

Hollis, Ralph 4AFC - See entry above for Forrest Dana, 4AGR.

Ingram, Dave K4TWJ (SK) - Prolific ham radio author; Contributing Editor, CQ magazine, 1982-2010, covering a wide variety of topics and transmitting through the printed word his unquenchable enthusiasm for ham radio.

Kangas, Paul W4LAA - Business news anchor on PBS for 30 years; known as the "Walter Cronkite of business news."

Patz, Dr. Arnall ex-WA3EVC - Ophthalmologist who discovered and eliminated a major cause of blindness in premature babies.

Schmidt, Howard W7HAS - White House Cyber-security Coordinator.

Schneider, Bill K2TT - Chairman, Defense Science Board, an independent federal committee advising the Secretary of Defense.

Smith Jim, VK9NS (SK) - Noted DXer and DXpeditioner, author; longtime member of the CQ DX Hall of Fame.

(CONTINUED ON PAGE 25)

DX Happenings (from page 16)

Help Desk (from page 15)

⇒ **PCAnywhere:** A remote access program by Symantec (makers of Norton Utilities & Anti-Virus). NOT needed if you use Remote Desktop. Kinda expensive: Around \$200.00 retail. However, if you shop on E-Bay, you can get it VERY reasonably. I recently purchased a copy of PCAnywhere v11.5 (the current version is 12.5) for 99 CENTS! Even with 10 bucks to ship, it was still a steal. PCANYWHERE IS USED FOR ONE PURPOSE: SO YOU CAN SELF-ANSWER A SKYPE CALL ON THE HOST PLACED BY YOU FROM YOUR REMOTE. ONCE THIS IS DONE, YOU CAN DISCONNECT THE PCANYWHERE SESSION. Or you can leave it running, and access a digital-mode program like 'MixW' and work the digital modes. IF YOU DECIDE TO PURCHASE A COPY ON E-BAY, MAKE SURE THAT THE SOFTWARE CONTAINS BOTH HOST AND REMOTE PROGRAMS. For some reason, Symantec sells Host AND Remote separately in some of the later versions. I bought a copy of PCAnywhere 11.5 Host-Only for a buck. Even though it does not contain the remote portion, it was still a good deal. SOMETHING ELSE TO CONSIDER: PCANYWHERE 11.5 IS NOT COMPATIBLE WITH WINDOWS 7. However, I am using v10.5

with Windows 7 and it works OK. Go figure.....

- ⇒ **Skype:** A FREE internet messaging program, capable of being used for audio and video conferencing. You'll need this to pass audio back and forth from your rig to you. NOT needed if you use Windows Messenger (below).
- ⇒ **Windows Messenger:** Another FREE internet messaging program with the same capabilities as Skype. NOT needed if you use Skype. AGAIN, NOT RECOMMENDED FOR WHAT WE ARE DOING.
- ⇒ **Ham Radio Deluxe** (aka 'HRD' from here on out): Another FREEBIE! This is a great full-featured rig control program. Loaded with features, this is what you will use to control your rig; transmit, receive, changing frequency, mode, etc. I've used it successfully and I can recommend it very highly.

Me personally, I've used PCAnywhere, Skype and HRD and it's given me the best results. I was able to successfully configure remote desktop and Windows Messenger, but I had problems passing audio using these 2. Windows Messenger wants to mute the receiver audio hash it hears; not very useful for our application here. Skype will pass whatever it hears, and I recommend its use over Messenger. Therefore, I'm gonna concentrate on these 3. But I will touch lightly on these other 2 later (Remote Desktop and Windows Messenger).

OK, time to get it going. Let's start with HRD first. Download it at this website: <http://www.ham-radio-deluxe.com/> and install it. YOU'LL NEED TO INSTALL ON BOTH HOST AND REMOTE MACHINES. LET'S INSTALL ON THE HOST FIRST. You will also need to connect your rig to your HOST computer to control it, either a serial (COM) cable or USB or whatever you have. You'll also need to tell HRD what COM Port you're using, and the baud rate among other settings such as CTS/DTR/RTS to use. Due to the wide array of rigs out there that HRD has the capability of controlling, you'll need to consult your manual for this info. You'll also need to connect your audio out of the rig to your computer sound card (line in or mic) so you can hear the receive audio on the remote computer. (BTW: I'll discuss how to send audio to the rig later under the 'Hardware' discussion.)

OK, now lets check and make sure HRD is working properly. AT THIS POINT WE'VE ONLY INSTALLED HRD ON THE HOST (shack) MACHINE.

- 1: Click on the 'Connect' button with the green arrow in the top left of the program. A pop-up window will appear. Then, click the 'New' button at the bottom of the box. Another pop-up will appear with drop-down boxes to select rig, model, etc.
- 2: Select your rig manufacturer, and rig model. Then, select your COM port number, along with the speed/baud rate.
- 3: Click the 'Connect' button at the bottom of the drop down box. If everything is set OK, you should get a black screen, displaying the frequency the rig is currently set to. If not, you may have to experiment with checking/unchecking the CTS/RTS/DTR boxes. Otherwise you're gonna get error messages like 'Failed to read frequency.....'

OK, I am assuming that everything is working. If it is, you'll be able to adjust the frequency in HRD and watch the radio respond to its commands. You'll also be able to change bands, modes, etc. Now then; click on the 'Remote' button on the line underneath the green 'Connect' button. Another pop-up window will appear. Click on the 'Configure' button in the pop-up window. A file named 'HRDRemoteSvr.cfg' will appear. This is the file where you will set up your password to remotely access HRD from your remote machine. You can use a simple text editor such as 'Notepad' to edit this file. Scroll down to the line where it says:

USER1 = Simon,SnowTime,restart

and replace it with a user name and password of your own choosing. The user name is first and the password is second.

Example: USER1 = MikeTTS,A1B2C3D4,restart

In this case, 'MikeTTS' is your username, & 'A1B2C3D4' is your password. 'Restart' is a command that allows the user to restart the service.

Then scroll down to the bottom of the file. Here you can type in a welcome message. This message will appear on your remote computer's display once you have successfully connected to the host.

(CONTINUED ON PAGE 26)

More Hamvention

Vibroplex (under new ownership) was well represented. They had a whole bunch'a keys available for you to test drive.

Elecraft had their wares out for display too. Check out that new panadapter available as an accessory for their radios. I've never played with one, but everybody who owns one of these rigs say they are unparalleled in construction and performance.....That's the K3 with the panadapter right below and their desktop HF amp in the lower picture.



Below, a nice clean old Zenith Trans-Oceanic from the 1950's. Yeah, today's portable music-delivery devices like the iPod are much smaller, and have better sound, but I'll take one of these any old day.....



Hamvention Report

**A Multi-Elmac transmitter seen in the flea market. Like I said: Just about every manufacturer was represented in the flea market this year. I haven't seen this much variety in years.....
CLEAN, too.....**



DX Happenings (from page 21)

Smith, George AA2EJ - Inventor of the CCD (charge-coupled device) sensor, which revolutionized digital imaging; co-recipient of the 2009 Nobel Prize in Physics

Stenning, Mark AA1AC - CEO, International Tennis Hall of Fame, Newport, Rhode Island

Wilson, George W4OYI (SK) - ARRL President Emeritus; ARRL President 1992-95; led ARRL portion of effort to create vanity callsign program.

The CQ Contest and DX Halls of Fame honor those amateurs who not only excel in personal performance in these major areas of amateur radio but who also "give back" to the hobby in outstanding ways.

The 2010 inductees to the CQ Contest Hall of Fame are:

Don Hill, AA5AU - A major promoter of RTTY (radioteletype) contesting, known among testers as "the RTTY Elmer." Also is a regular contributor on RTTY contesting to the "National Contest Journal."

Larry Weaver, N6TW - Longtime member of the CQ World Wide Contest Committee who developed some of the log-checking software used today in scoring the CQWW and other contests. Larry is also a past president of the Southern California DX Club and a past Chairman of the International DX Convention held each year in Visalia, California.

The 2010 inductees to the CQ DX Hall of Fame are:

Robert Locher, W9KNI - An accomplished DXer, best known as an author and mentor on effective DXing. His book, "The Complete DXer," is the best-selling DX book ever published; and his newest book, "A Year of DX," chronicles his effort to win the 2008 CQ DX Marathon.

Lynn Lamb, W4NL - A co-founder of SEDCO, the Southeastern DX and Contesting Organization, which sponsors an annual convention featuring well-known speakers on DXing and contesting. Lynn also writes regularly for "DX" magazine and is a leading proponent of improved DXing etiquette.

Formal inductions to the CQ Contest and DX Halls of Fame were scheduled for the contest and DX dinners, respectively, at the Dayton Hamvention.®



These are Icom's IC-7200 painted in camo colors. I understand that they don't come this way; you gotta send it out to a guy to get this finish. I've seen 'em up close. They look really neat and he does a great job on them.....

It's nice to see that DARA is holding the line on ticket prices. It's been 25 bucks for quite a while now. If you order on-line it's around 20-22 bucks. Let's hope they can keep it there. I think the show is better ever since they returned to the all-volunteer format. Plus the volunteers are very friendly too. Hara Arena wasn't dumpy like it was in the past either.

Help Desk (from pg 22)

Example: WELCOME = Welcome to the NB3C SuperStation HRD Remote Access Server! Break me and I'll kill you! (HA HA)

Now you can save the file (Don't forget to write down your user name and password!) CASE-SENSITIVE! After you have saved the file, you can click

on the 'Start' button on the drop down box. A QUICK WAY TO CHECK IF THE PROGRAM IS RUNNING: Bring up your Windows Task Manager by right-clicking on the windows taskbar at the bottom of your screen and then clicking 'Task Manager' or 'Start Task Manager' (depending on your version of Windows). Now look for the program running in the background: 'HRDRemoteSvr.exe'. If you see it, the program is ready to accept incoming requests from your remote machine to run.

I'm not gonna go into all the features in HRD. Suffice it to say it is a fine full-featured program, and that you will need to sit down with it and familiarize yourself with it. I WILL CONTINUE ON WITH SETTING UP HRD ON THE LAPTOP LATER, AFTER I DISCUSS SETTING UP THE HARDWARE. Why? Because we need to plug in the IP address of the host on the remote machine, and this'll be one of the last things we do before we give it the big click and attempt to connect the remote to the host.

Next, we will setup Skype. To download, click on the following link:
www.skype.com

Install the program on the host. Start it up. If you have never used Skype before, you will need to set up TWO accounts: One to use on the host, and one to use on the remote. Setting up Skype user accounts are free and you can set up as many as you want; Skype doesn't care. For our purposes further down the process, I will simply refer to the 2 Skype accounts created as 'ABC123' (the host) and '321CBA' (the remote).

Continuing on, we will now set up Skype's audio. Click on 'Tools' on the menu bar at the top of the program, then click 'Options'. Now, select 'Audio Settings' at the top left side of the pop-up box. Select the microphone and speakers to use in their respective drop-down boxes. If you have a microphone hooked up, you can talk normally into it, and you'll see the green bar below it indicating the amplitude of your voice. Same with the speaker audio: If you have your rig hooked up, you'll be able to see the amplitude of the incoming audio displayed on the green bar here too.

AS AN ASIDE HERE, WHEN YOU SET UP SKYPE ON THE HOST MACHINE AND YOU USE THE RIGBLASTER NOMIC INTERFACE AS DESCRIBED LATER ON, YOU'LL NEED TO SEND AUDIO OUT FROM YOUR SOUND CARD TO THE RIGBLASTER. I SIMPLY SPLIT THE AUDIO OUT USING A SPLITTER JACK, SENT ONE LINE TO THE SPEAKERS AND THE OTHER TO THE RIGBLASTER. THAT WAY I CAN HEAR WHAT I AM SENDING.

Save your changes. Now that you have returned to the main window, select 'Echo/Sound Test Service' on the left side of the main window. Then, click on the green phone icon. You should hear a European-style telephone ring: A long BEEEEEEEEEEEEEEEEEEEP. Then a nice lady with a British accent will come on and tell you how to test your audio setup. Follow the instructions to set it up. Pretty straightforward. Then do the same steps listed above on your remote machine. On the remote machine, set up your microphone as your audio input and your computer speakers as the output.

Now we will move onto PCAnywhere. Again, I recommend this over Windows Remote Desktop. It is very easy to set up, and I think it is more forgiving than Windows Remote Desktop. As I mentioned before, check E-Bay; I know for a fact you can find copies here VERY reasonably. Versions 10.5 and up will work fine; I use 10.5 on Vista, XP, Win7 32 AND 64-bit and it works flawlessly. You'll need to install on both host and remote machines.

Now let's continue to set up PCAnywhere on the host first. Start the program up, and click on the big button labeled 'Hosts' with the computer icon

in it. Then below, double click 'Add Host'. A pop-up with multiple tabs will pop-up. (I guess that's why they call 'em pop-ups.....) The first tab you'll see is 'Connection Info'. Select 'TCP/IP'. Under the 'Settings' tab you can use the default settings here. Now then, under the 'Callers' tab is where you will set up the user name and password of the remote machine attempting to connect. Where it sez 'Authentication type', you can leave it as 'pcAnywhere'. Under that is a blank box where you will add authorized user accounts that will access the host. Under the word 'Caller (List)', is a little icon that looks like a piece of paper with a fold in the top right corner. Click this: This is where you will create a user name and password. THIS USER NAME AND PASSWORD THAT IS BEING CREATED ON THE HOST MACHINE IS THE SIGN-IN YOU WILL USE FROM THE REMOTE MACHINE. IF THE REMOTE SIGN-IN AND PASSWORD MATCHES WHAT IS SET UP ON THE HOST, THE HOST WILL RECOGNIZE IT AND LET YOU LOG-IN. Click 'Apply' to save your changes. (Don't forget to write your username and password down again!). Note: USERNAME/PASSWORDS ARE CASE-SENSITIVE! Now, click on the 'privileges' tab in this box and select 'Superuser'. Then click 'Apply' and 'OK'. If successful, you'll see the username you just set up under the 'Callers' tab; it is no longer a blank box. Repeat this process for as many users as you need to set up to access the host machine. The other tabs can be left alone; leave them set to their default values. Once you click 'OK' you should see a new host icon named, believe it or not, 'New Host'. You can rename this whatever you like. Simply right-click, then rename and save it.

OK, time to grab your laptop and set up PCAnywhere on it. Start the program. Only here, click on the 'Remotes' tab with the picture of a remote control on it. Then, double-click the 'Add Remote' icon below. Again, select 'TCP/IP' under the 'Connection Info' tab, then move on to the next tab labeled 'Settings'. Here select 'Network host PC to control or IP address'. THIS IS WHERE YOU WILL TYPE IN THE IP ADDRESS OF THE HOST MACHINE. Remember, you can find the host's IP address by clicking on the IP address finder link waaaaaaaaaaaaaay up top of this here article. I'LL GO INTO THIS IN MORE DETAIL UNDER THE TESTING PART (It goes without saying that you'll need to find out the host's address by using the host computer's internet browser, but I said it anyway.) The other 3 tabs can be left alone. Click 'OK' to save your changes and a new remote connection labeled oddly enough 'New Remote' will be shown. You can change this and rename it whatever you wish.

So at this point in time we have set up Skype on host and remote, PCAnywhere on the host and remote, and HRD on the host only. I'll get back to setting up HRD on the remote. You can install it if you wish on the remote, but don't go any further for now.

(CONTINUED ON PAGE 29)



Report From Hamvention

Above, the Acom HF Amplifier seen at the WX0B Array Solutions booth. These guys always have something neat on display. Notice the watt meter and station monitor on top of the Pro III rig.



Alinco had some cool looking HF/VHF mobile rigs on display in the main arena.

Below: Tokyo Hi-Power amps were also on display. A nice desktop amp for the HF bands.....



You always see these surveys on the internet: '10 things that are dying in America', and Amateur Radio is always on the list. I think whoever compiles the list oughta go to Dayton once. Between the influx of new ops and all the goodies that the manufacturers continue to crank out, I think we're in pretty good shape.....I don't see us going away anytime soon. Too bad the same can't be said about the sunspots!



Report From Dayton Hamvention

Alinco has an HF rig available: The DX-SR8. A nice portable little rig to go mobile with.

Left: One of the outside dealers selling soldering irons, parts, etc.

Below: MFJs display in the main arena. You probably know the not-so-complimentary nicknames for MFJ. I've never had a problem with their stuff. They certainly do have a wide variety of toys to enhance your operating experience though.....



That's it for the 2010 Hamvention odyssey. If you couldn't make it, I hope you enjoyed the picture show.

It's the place to see and be seen.

And, it's a great escape from reality for 3 days in May. Consider going next year if you've never been there before.

Plan a side trip to the Air Force Museum at Wright-Patterson AFB too. It makes for a great weekend getaway!

Thanks for reading along.

73 de NB3C.....

Beginner's Help Desk (from page 26)

By default, PCAnywhere and Skype, when they are installed, will automatically configure your Windows firewall to allow them to pass through. Me personally, I am using the Windows Firewall program that comes with XP, Vista and Win7. Again, I didn't have to do a thing to configure my firewall. Unfortunately, since there is such a wide variety of firewall programs out there, it is impossible for me to tell you how to set up your firewall if necessary. My advice here is: Consult the documentation that came with the firewall software. However, you WILL need to set up your windows firewall to allow HRD to pass data back & forth, as it does not automatically configure it to do so. You'll need to open TCP ports 7805 and 7806 in your windows firewall program for HRD to function. See page 111 of the HRD users manual included with the software for more info. SETTING UP PORTS IS NOTHING MORE THAN A FEW SIMPLE KEYSTROKES.....DON'T LET THIS GET YOU DOWN! IF YOU CAN TURN A COMPUTER ON AND INSTALL SOFTWARE, YOU CAN CONFIGURE PORTS ON YOUR ROUTER! I CAN'T EMPHASIZE THIS ENOUGH, ALTHOUGH I'LL DO MY DARNDDEST TO TRY.....

LET ME STOP HERE AND ADD HELPFUL TIDBIT #1: IF YOU HAVEN'T DROPPED OFF TO LA LA LAND BY NOW AND ACTUALLY FIND THIS INTERESTING AND WOULD LIKE TO ATTEMPT IT, I'LL BE HAPPY TO ASSIST YOU IN SETTING THIS WHOLE MESS UP! Shoot me an E-Mail: <KQ3DX@hotmail.com> and we'll talk.....I learned the ropes the hard way; by trial and error. No reason for you to do the same.....

OK, enough of the software; let's talk about the hardware.

Again, we will need to connect the rig to the host so we can control it. I run a Yaesu FT-2000D, and an FT-847, and these both connect to a computer using a serial cable. Since there is such a wide variety of rigs out there, you'll need to consult your manual on how to interface your radio with your computer. If you do in fact use a serial cable to interface, you'll need to know the COM port number you connect to (could be anywhere from COM1 to COM35 I believe). Fear not if your computer has no serial ports: I've used those USB-to-serial adapters with good results; you can purchase those locally at your favorite office supply or electronics store. The one thing I can tell you with certainty is to connect your rig audio out to the 'Line In' or 'Microphone' jack on your sound card. This will enable you to hear the receiver audio on your remote computer. You'll also need to know the baud rate used by the rig to communicate with your host computer. Again, do the unthinkable and consult the radio manual.

But how do we get audio TO the rig so you can work P50DX? Well, I personally use the 'RigBlaster NoMic' interface to do it. It is small, cheap and works great. All you need to do is tell 'em what rig you are using, and they will include the proper cable to hook up to the mic input of your rig when you purchase or order it from your favorite toy-store. When you install the RigBlaster NoMic, it'll configure itself as a COM port (Prolific USB-to-Serial Port). You'll find this in your Windows Control Panel under 'System', 'Device Manager', 'Ports (Com & LPT)'. This is where you can find the COM port number assigned to it. Write down the COM Port # for future reference.

Again, I am sending audio to the NoMic from the 'Speaker' jack on my soundcard. I simply plugged in a splitter to the jack, sent one to the speakers so I

can hear my output and the other line to the NoMic interface. Right or wrong it works fine for me.....

LET ME STOP HERE AND ADD HELPFUL TIDBIT #2: THERE ARE PROBABLY AS MANY WAYS TO DO WHAT I AM DESCRIBING HERE AS THERE ARE STARS IN THE SKY; THIS IS BUT ONE WAY TO DO IT. I AM DESCRIBING WHAT WORKED FOR ME, BECAUSE OF JUST THAT; IT WORKED FOR ME. THE NAME OF THE GAME HERE IS EXPERIMENTATION. I SPENT MANY FRUSTRATING HOURS IN FRONT OF A LAPTOP, DESKTOP AND A RIG TRYING TO FIGURE IT ALL OUT. MANY WAS THE TIME I FELT LIKE ZINGIN' THE LAPTOP OUT THE WINDOW. YOU MAY STUMBLE ON SOMETHING THAT WORKS EVEN BETTER. HOPEFULLY I CAN SAVE YOU MANY HOURS OF FRUSTRATION.

OK, now moving on to your modem.....

Once again, there's that firewall thing. You'll need to allow PCAnywhere, Skype, and HRD to pass through. As with the availability of radios out there, the same exists with modems. Luckily, there is a website out there that can assist with setting up the ports necessary to make all this work. Click on this link: <<http://portforward.com/>>. If you know the make and model of your router, you can find it here along with complete instructions on how to access it and open up the necessary ports. Once again, you will need to open TCP ports 7805 and 7806 for HRD to work properly, PCAnywhere will need ports TCP 5631 and UDP 5632 opened, and Skype will need ports 45162 opened. AGAIN, I OFFER MY ASSISTANCE TO YOU.....I'M NOT A WHIZ BUT IT REALLY AND TRULY IS A LOT EASIER THAN IT SOUNDS. DON'T LET YOUR FEAR OF CONFIGURING PORTS STOP YOU! IT'S REALLY A STRAIGHTFORWARD PROCEDURE. DO IT ONCE, AND YOU'LL GET THE HANG OF IT REAL QUICK. The Port Forward website is really good and well organized; you should have no problem. Not only that, but there are instructions there specific to setting up PCAnywhere and Skype; setting up HRD will be similar to the steps listed for the others. However you will need to manually create an entry for HRD.

OK, so up to this point we have:

- ⇒ Loaded software,
- ⇒ Connected radio to computer,
- ⇒ Configured Windows/Router firewalls.

It's time to test!!

The best way to do this is to be in the shack; the desktop (or what ever you have configured as your host machine) is on, the rig is on and the laptop (or whatever is configured as your remote) is on.

Depending on what type of router/modem you have, you'll need to access it via a web browser window. I'm gonna use Verizon's procedure to illustrate here. Your router should be similar. Again, utilize the Port Forward website to determine specific instructions to access your router.

(CONTINUED ON NEXT PAGE)

OK, bring up a web browser on your host machine. In the address bar, type in '192.168.1.1' (without the quote marks). Again, this is for Verizon routers, check the Port Forward site for your router instructions. Then <enter>. A sign in screen will appear. Verizon modems use 'admin' for the user name, and 'password' or 'password1' for the password. If successful, you should see a list of all computers that the router recognizes, along with an address of those machines, (192.168.1.4, 192.168.1.3 are some examples you'll see). Write down the computer names and the associated address. In addition to the IP address that your internet provider assigns you, the router assigns sorta like an internal address to each computer it sees on the network in your home.

LET ME STOP HERE AND TELL YOU HOW YOU'LL KNOW WHICH COMPUTER IS WHICH. Go to the Control Panel on your individual machines, and click on 'System'. On Win XP, look for a tab labeled 'Computer Name'. Click it; write down the name of the computer. In Vista/7 simply click on the 'System' icon, and it'll be displayed on the page that comes up. This way, you'll be able to match up the names with the addresses assigned to them. Write down the names of each computer (Full Computer Name). Minimize the web browser window.

- ⇒ On the host machine, start PCAnywhere in 'Host' mode. Click on the big 'Host' button at top, and then double-click the icon you created hours ago (HA HA).
- ⇒ On the remote machine, start PCAnywhere in 'Remote' mode. Click on the big 'Remote' button at top, then SINGLE RIGHT CLICK ON THE ICON YOU CREATED BEFORE. Then click 'Properties'. Select the 'Settings' tab and across from the checked 'Network host PC to control....' enter in the address of the host machine (example: 192.168.1.4). Click 'Apply', then 'OK'. Then DOUBLE-CLICK the icon created earlier. If successful you should get a 'PCAnywhere initializing' dialog box.

Then, if everything is working as it should, you will get a box with prompts to enter in the user name and password you created on the host machine. PASSWORDS AND USERNAMES ARE CASE SENSITIVE. Enter in your info and click OK or press <enter>. Now, if we are really lucky, you should see exactly on the laptop what you see on the host. Move the laptop mouse around; the arrow on the display of the host machine should move also.

Now, start Skype on both host and remote machines. Sign into the host as 'ABC123' and sign into the remote as '321CBA' (our fictitious

sign-ins I created earlier). ON THE LAPTOP: Minimize the PCAnywhere window running, bring up Skype RUNNING ON THE LAPTOP and initiate a call to the host (ABC123).

NOW, ON THE LAPTOP BRING UP THE PCANYWHERE WINDOW DISPLAYING THE HOST SCREEN, AND ANSWER THE CALL PLACED BY YOU FROM YOUR REMOTE COMPUTER. You should see a message that sez 321CBA is calling you. Using your remote computer mouse, drag it across the PCAnywhere screen that shows the host desktop screen, and click on the Skype window shown to answer the call. Assuming that the rig is on and is feeding audio to the host, you should now hear receiver audio coming over the REMOTE speakers.

If this is the case: SUCCESS!! ONCE YOU ANSWER YOUR SKYPE CALL, THE PCANYWHERE SESSION CAN BE ENDED AND THE PROGRAM CLOSED. THIS IS REALLY THE ONLY REASON YOU NEED PCANYWHERE; TO ANSWER YOUR CALL PLACED ON SKYPE VIA THE REMOTE TO THE HOST.

At this point, you can also go ahead and drop the Skype call too. To summarize: We are using Skype to pass audio back and forth between host/rig and the remote, and we are using PCAnywhere to self-answer the Skype call placed by the remote computer.

NOW WE WILL SET UP HRD ON THE REMOTE LAPTOP (I assume you are using a laptop to access the host).

ONE THING I'D LIKE TO ADD RIGHT HERE: IT IS REALLY NOT NECESSARY TO LOAD HRD ON YOUR LAPTOP. IF YOU HAVE TROUBLE FIGGERING IT OUT, YOU CAN SIMPLY RUN HRD ON THE HOST THRU PCANYWHERE AND CONTROL IT THAT WAY. HOWEVER, I WILL DESCRIBE HOW TO DO IT HERE.....

Again, install HRD on the remote if you haven't already. Click on the green 'Connect' button up top again, then click on the 'New' button. Select your rig, model and baud rate, BUT THIS TIME SELECT 'REMOTE' UNDER THE 'COM PORT' drop down. DON'T FORGET TO CONFIGURE THE CTS/DTR/RTS CHECKBOXES JUST LIKE YOU DID ON THE HOST. Then click the 'Connect' button at the bottom of the box. Another box will pop up; on the right side, you will see a 'new connection' box with blank boxes. Remember the address of the host machine (for example 192.168.1.4)? Type it in the Address box. Remember the username and password you created in HRD (in our HRDRemoteSvr.cfg file)? Type it into the appropriate boxes. CASE-SENSITIVE! Click 'Connect' right below. If successful you'll get the welcome message we created in the .cfg file.

Now down below, you'll see that the COM Ports box is now enabled and contains info that wasn't there before we connected. Make sure that the same COM port is selected, and all settings match those previously set up on the host, then click 'OK'. If successful, you'll see the black window displaying your radio's current frequency, along with mode and other settings.

(CONTINUED ON NEXT PAGE)

Help Desk
(from page 29)

More Help Desk (from page 30 - sheesh!)

SUCCESS ONCE AGAIN! NOW WE KNOW THAT EVERYTHING IS NOW COMMUNICATING WITH EVERYTHING! Just for the heck of it, connect a pair of headphones with a boom mic (like you would use for internet chatting) to the laptop. Click on the 'TX' button on the HRD display. See if the needle moves on your rig. If it does, you're doing good; everything works! If not, check the settings on Skype. Make sure the remote is set up to accept audio from a microphone. AT THE SHACK: Make sure that audio out from the computer is being sent to the NoMic audio input jack. Again, I use a RigBlaster NoMic, and I send audio out of the computer to the 'Audio In' jack on the NoMic. (I bought another NoMic interface at Dayton for 60 bucks. CHEAP! EFFECTIVE!)

AS AN ASIDE: DO NOT RUN THE HRD PROGRAM ON THE HOST WHEN ACCESSING THRU THE REMOTE. AS LONG AS THE HRDRemoteSvr.exe FILE IS RUNNING IN THE BACKGROUND ON THE HOST MACHINE (as viewed by bringing up the Windows Task Manager on the host) THE PROGRAM IS READY TO ACCEPT INCOMING REQUESTS. This file is configured to run at machine start-up/boot.

Hold on cowboy; we ain't finished yet...Now we need to take it on the road and see if we can access it AWAY from the confines of your router. Going between 2 computers thru the same router is easy, but going thru an actual internet link/connection is different. Not much different though so don't panic.

OK, now go to the website <http://whatismyipaddress.com/> to find the IP address of the HOST. WRITE IT DOWN. We need to plug it into HRD AND PCAnywhere on the REMOTE machine.

On the remote machine:

Go to PCAnywhere on the laptop/remote, single-right click on the remote icon we created, click 'Properties', then 'Settings', then plug in the new address. Click 'Apply', then 'OK'. IF YOUR IP ADDRESS IS A DYNAMIC ONE AND CHANGES FREQUENTLY, YOU'LL NEED TO DO THESE STEPS TO PCANYWHERE AND HRD EVERYTIME IT CHANGES.

Now jump in the car with the laptop and go somewhere where you can access the internet via free wi-fi, or a buddy's house with broadband internet access. AS AN ASIDE, THIS WILL NOT WORK WELL WITH DIAL-UP. YOU'LL NEED AT LEAST A 1.5MB DSL CONNECTION TO MAKE IT WORK SATISFACTORILY. Before you leave, make sure that at a minimum PCAnywhere is running on the host machine in host mode, the rig is on and feeding audio to the host, Skype is running on the host and the rig power output and mic settings on the rig are set.

HELPFUL TIDBIT #3: CONSIDER MAKING ALL YOUR PASSWORDS AND USERNAMES THE SAME. THAT WAY IT'LL BE EASIER TO REMEMBER. REMEMBER, YOU'LL NEED 3 SETS OF PASSWORDS: SKYPE (2 USERNAMES), PCANYWHERE AND HRD.

OK, the remote is now online to the web. Start PCAnywhere, double-click on the remote icon we created, wait for the connect dialog to show, then sign in using the username/

password (CASE-SENSITIVE). If successful you'll once again see the screen you would see if you were sitting in front of the host. Minimize the PCAnywhere window, bring up Skype RUNNING ON THE LAPTOP. Initiate a call from your remote computer (321CBA) to the host (ABC123). Bring up the PCAnywhere window on the remote and answer the call you just placed via the remote machine. Do you hear rig audio? GOOD!

Start HRD. Go to the box where we plugged in the host machine address (example 192.168.1.4) for testing AND CHANGE IT TO THE ADDRESS THAT WAS DISPLAYED ON THE IP ADDRESS WEBSITE ON THE HOST. Click 'Connect' in the pop-up box, then change the address we used for testing to the number you wrote down from the IP address website. It'll be the same one you just plugged into PCAnywhere. Click 'Connect' again. If successful, you'll see the welcome message we created in HRD. Then the COM Port box will be activated; verify that all settings match what was set on the host (they should), then click 'OK'. You should see the familiar black window where you can control your rig.

So now we have HRD successfully controlling the rig and Skype passing audio back and forth. If this is so, you can end the PCAnywhere remote session. That's it: YOU DID IT!!

To summarize:

- ⇒ HRD installed on host/remote is controlling the radio, Skype is used to send and receive audio, PCAnywhere is used to answer the call on the host machine that was placed by the remote, then the PCAnywhere session was disconnected/ended.
- ⇒ Firewall was configured on Windows and the router to allow programs access to each computer. DON'T LET THIS STEP SCARE YOU AWAY; IT IS NOT HARD AT ALL TO DO. FOLLOW THE INSTRUCTIONS AND IT'LL TAKE MAYBE 5 OR 10 MINUTES OF YOUR TIME.

Now, let me tell you why I don't like Windows Remote Desktop and Windows Messenger. First, Windows Remote Desktop requires a password to access the host.

(CONTINUED ON NEXT PAGE)

When you access the host this way, it removes the normal screen on the host, and replaces it with the log-in screen. **ALTHOUGH YOU CAN SEE THE SCREEN WITH ALL THE ICONS ON THE REMOTE, IF YOU WERE SITTING IN FRONT OF THE HOST, YOU WOULD SEE THE LOG-IN SCREEN LIKE YOU GET WHEN YOU FIRST TURN THE MACHINE ON.** This cuts out the audio sent to the remote (at least it does on my machine). Also, I can't even use Skype with remote desktop as I keep getting messages like 'Problem with playback device'. Therefore I do not recommend Remote Desktop for this application.

As for Windows Messenger, it apparently recognizes receiver hash noise as just that: Noise. It simply mutes it. Even turning up the volume on your rig all the way won't get around this. Therefore, I stay away from this program too. This is why I go with PCAnywhere and Skype.

Again, this is just one of I am sure many ways to do a remote base connection. I highlighted this way because I know it works; I use it quite often. I know for a fact that at least one radio (The Ten-Tec Omni-VII) comes ready to run remotely. Simply plug in an ethernet cable to your rig & router, configure and go. I also see in the Ham rags advertisements for little boxes (RemoteRig) that'll do what I just did. Again, many ways to achieve the same end result are out there; it's just a matter of what works for you.

As for the cost, well, for about sixty/seventy bucks or so, you can get a RigBlaster NoMic interface, and if you shop on E-Bay you can get a copy of PCAnywhere dirt cheap if you're savvy. I just bought a NoMic interface at Dayton for about 60 bucks.

What kind of audio quality & speed can you expect? Well, when I use it, I am using a 25MB FiOS connection at both ends of the circuit. The round-trip time (from the time I issue a command, until it is completed and shows up on my screen with the change) is about 15-20ms (milli-seconds). That's pretty impressive! I did it from the club to my QTH, with about the same round-trip time: 15-25ms. I understand the club uses DSL with a 3MB speed. The audio quality is great; it's just like sitting in front of your rig.

One thing I'd like to point out about PCAnywhere: Although I keep saying to shut it off after you self-answer your Skype call, you CAN leave it running if you wish. That way, if you want, you can bring up a digital program such as 'MixW' or 'MultiPSK' and watch the digital modes. You'll need to do this on the host; there is no way you can load these on your remote like you do HRD. Not only that, but you can also do anything from your remote via PCAnywhere; it's just like sitting in front of the host. Full functionality; you can even transfer files between the 2 machines.

Would I use the digital modes this way? Yeah, I don't see why not, but I wouldn't use it in a contesting

environment. But for everyday ragchewing or working DX, I don't see a problem. Again, experimentation is the key here, see what works for you and what doesn't.

You may have seen the ads in the magazines just like I did for 'RemoteRig'. This is a new product I've seen; it consists of 2 small boxes. One plugs into the rig and a router, and the other plugs into your computer at your remote location. You would use HRD in this instance to control your rig. However a computer is not required at the host end. Kinda pricey: Around 300-400 bucks for the setup. Worth a look though if you are considering tackling installing a remote-base setup at your QTH: <http://www.remoterig.com>.

So here is the whole she-bang in a nutshell:

- ⇒ Start PCAnywhere in 'Host' mode on the shack computer.
- ⇒ Start Skype on the host.
- ⇒ Make sure 'HRDRemoteSvr.exe' is running on the host.
- ⇒ Start PCAnywhere in 'Remote' mode on your laptop.
- ⇒ Start Skype on the remote.
- ⇒ Start HRD on the remote.
- ⇒ Using PCAnywhere, connect remote to host
- ⇒ Initiate a Skype call from remote to host, answer the call on the host Machine via PCAnywhere.
- ⇒ Start HRD on the remote & connect to the rig in the shack.
- ⇒ Commence to workin' DX like crazy.....

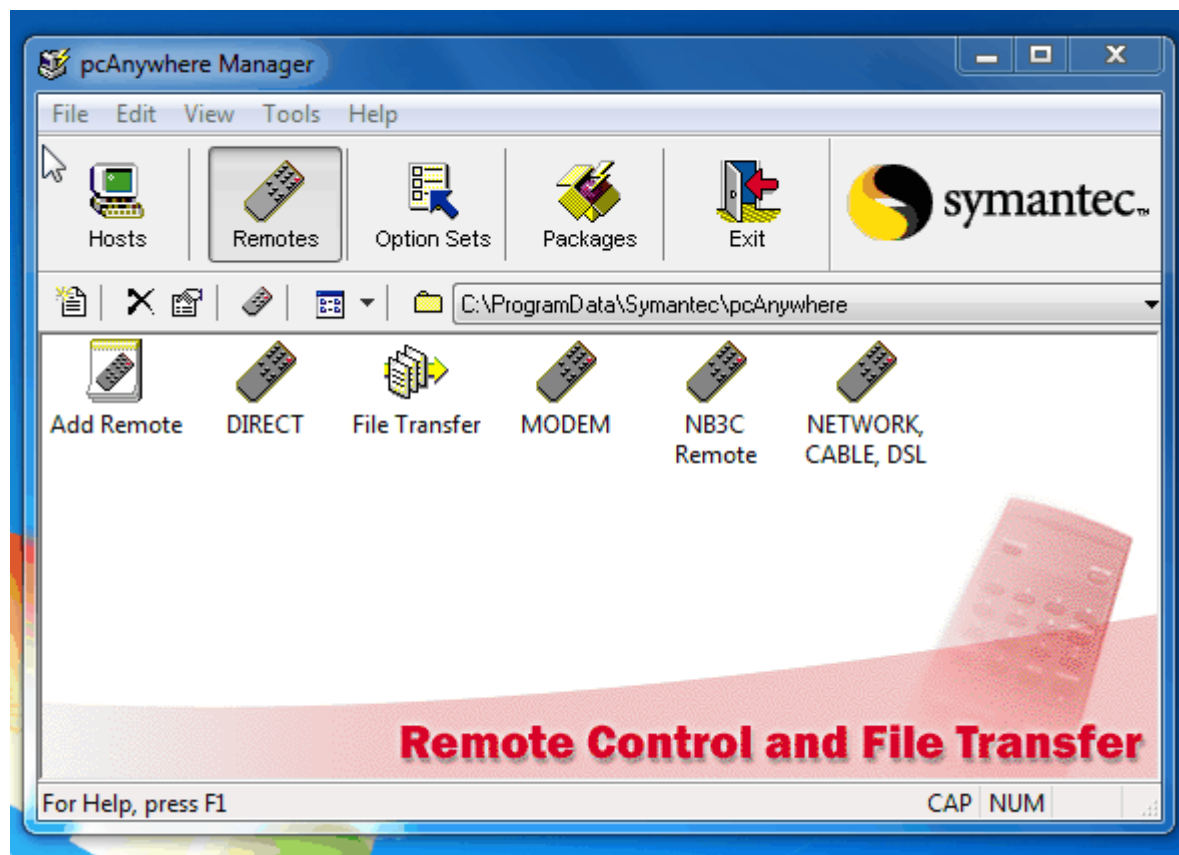
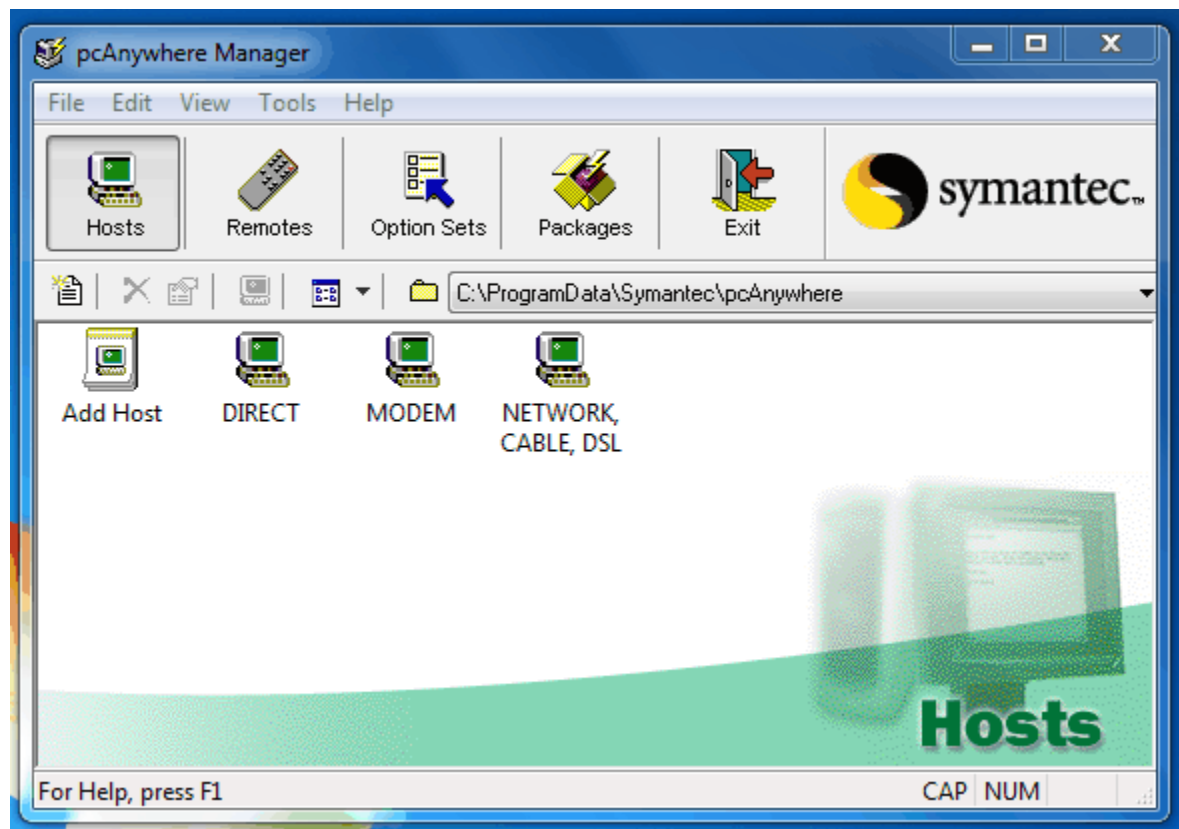
Well, that's it for my dissertation on Remote Base Operating. REMEMBER, I'LL BE GLAD TO HELP YOU SET IT UP ON YOUR MACHINE. ONCE YOU GET THE HANG OF SETTING IT UP, IT IS REALLY STRAIGHTFORWARD AND EASY. I CAN ALSO DEMONSTRATE THE CONCEPT IF YOU WISH. SHOOT ME AN E-MAIL AND WE'LL GO TO THE CLUB FOR A DEMO.

Until next time.....CU on the bands! 73 de NB3C.....

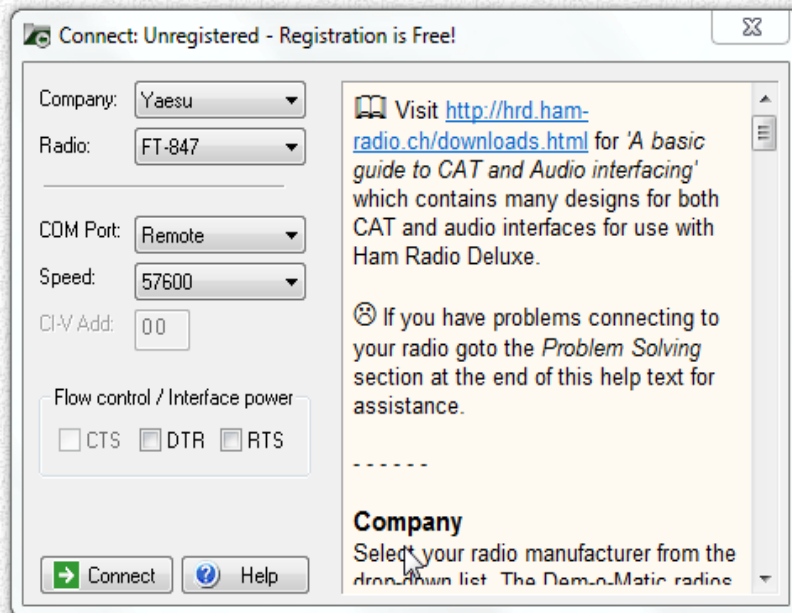
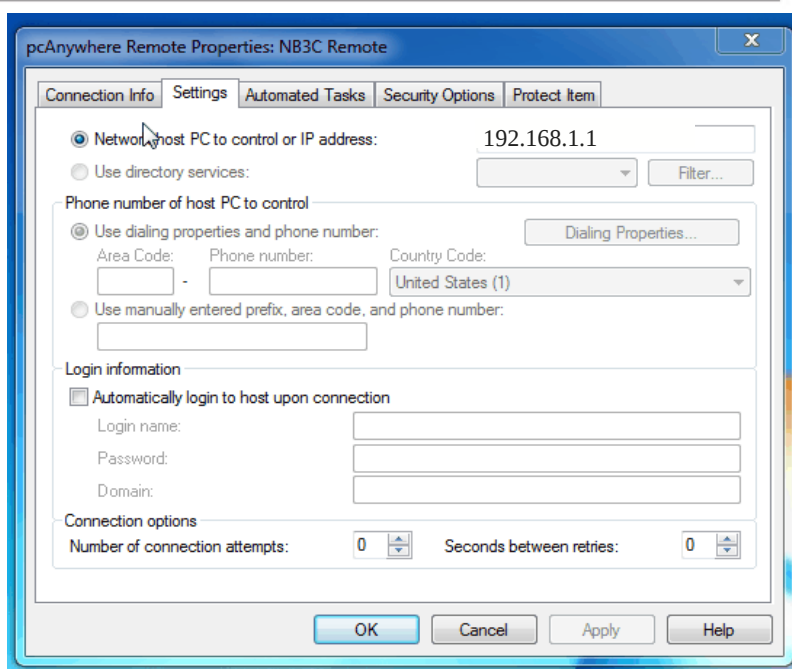
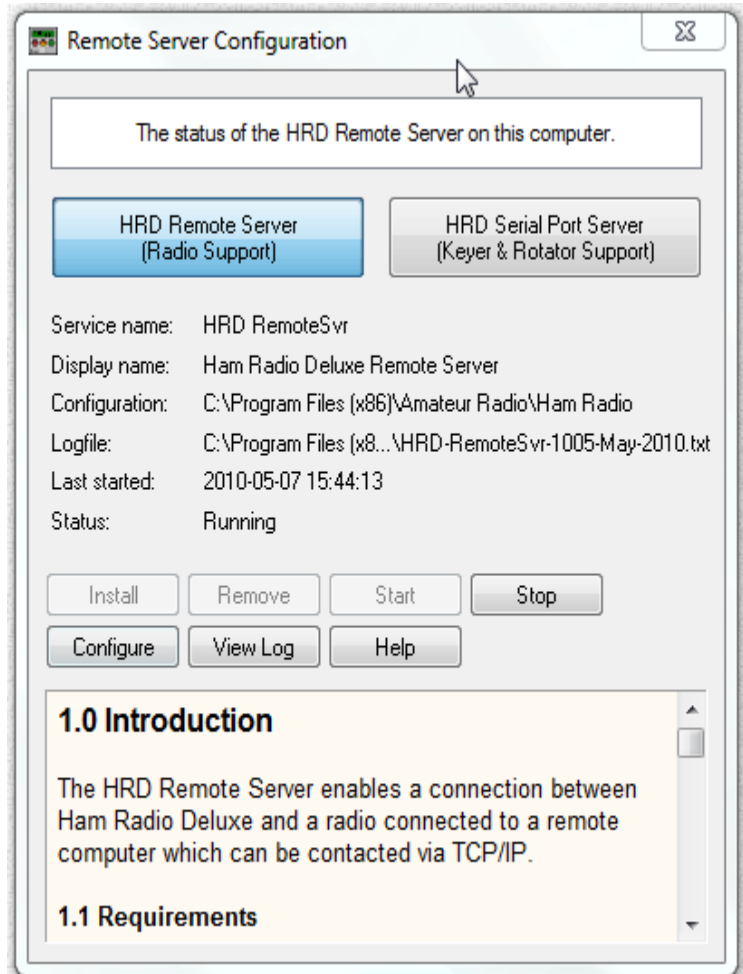
(SEE THE MYRIAD OF PICTURES I'VE INCLUDED STARTING ON THE NEXT PAGE...)



Beginner's Help Desk (from page 32)

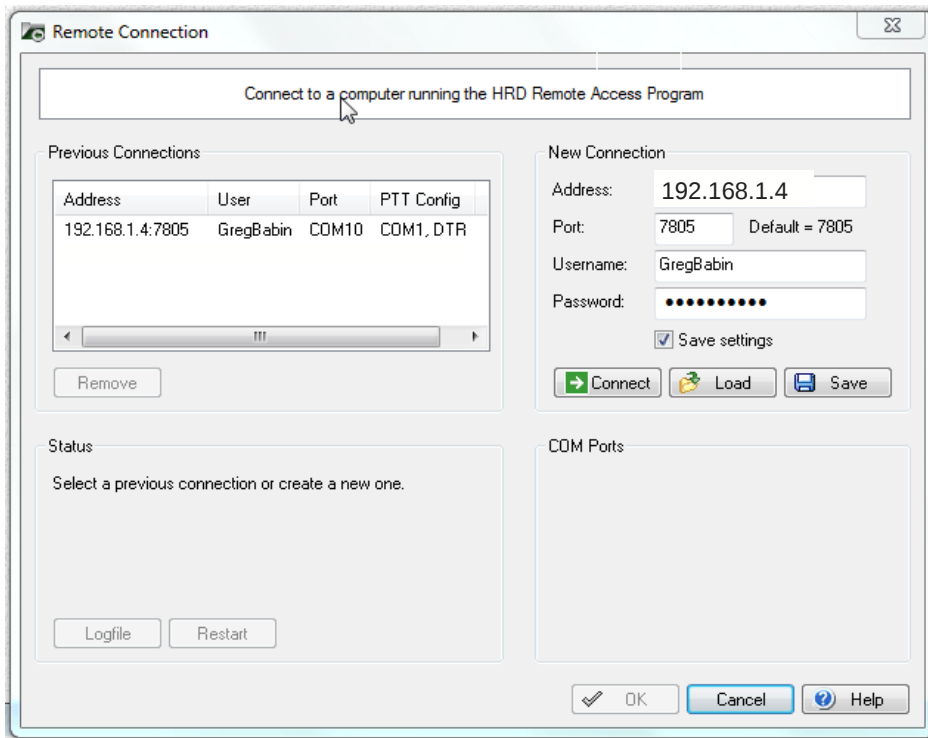


These are the PCAnywhere screens you can expect to see (v10.5). The top is the host screen (shack) and the bottom is the remote screen. On the top screen, when you create your host session during setup, you'll see an additional icon added to the screen. Click it to start your session. On the bottom, screen same thing. As a matter of fact, you'll see 'NB3C Remote' listed. When I click that on my laptop, it'll initiate a call to the host. If everything is set, a log-in screen will appear where I would type in the log-in name and password to access the host machine. (CONTINUED ON NEXT PAGE)



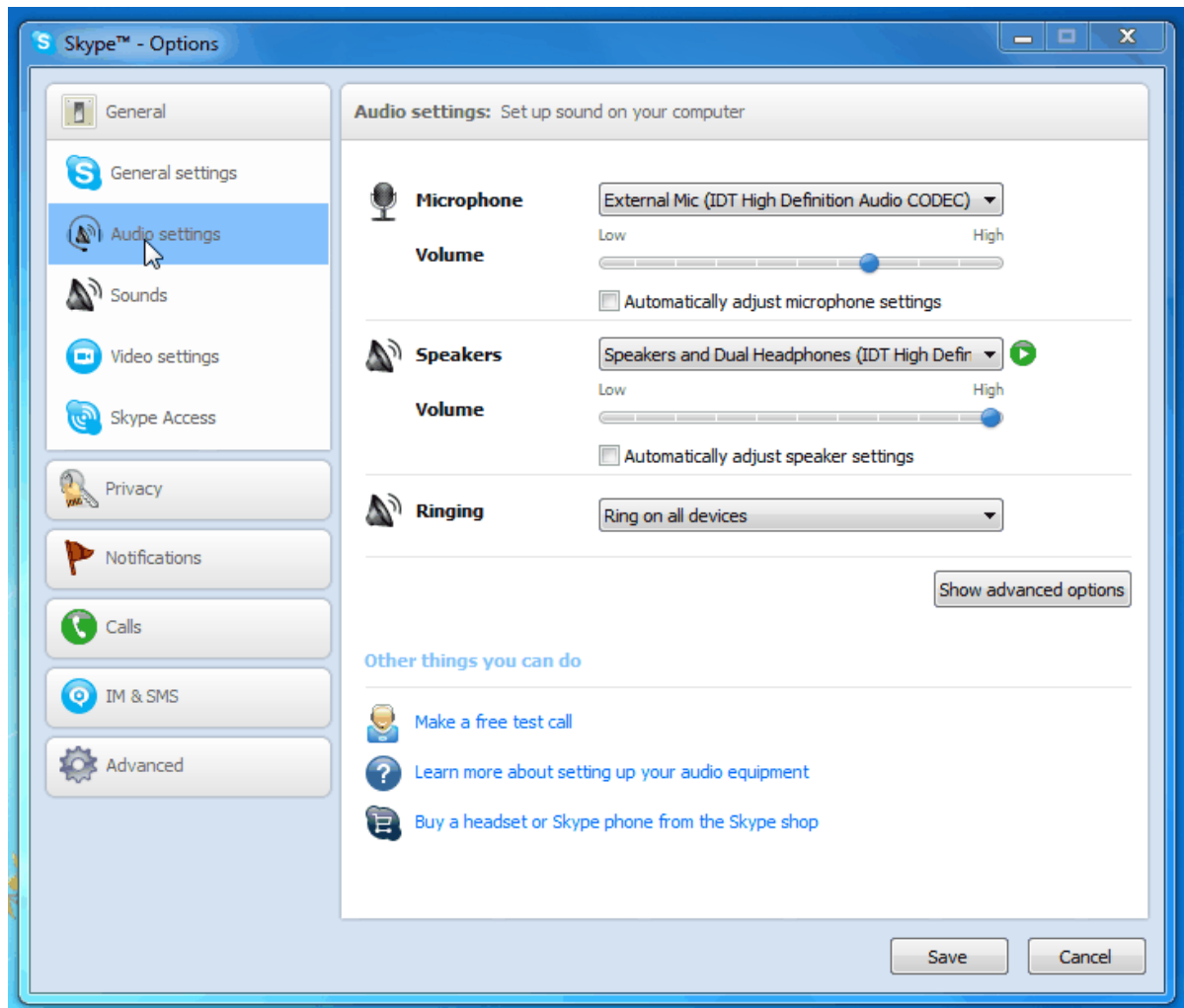
In the upper right is the screen for setting up the IP address on the remote machine (pcAnywhere). This is seen under the 'Settings' tab. Simply type in your address where you see '192.168.1.1' entered. Again, look for this in PCAnywhere running on the remote machine. Top left (HRD): When you click on the green 'Connect' button, the screen in the lower right will come up. Simply select your rig, com port, and speed (baud rate). You may need to experiment with the CTS/DTR/RTS boxes by checking or un-checking as necessary. Bottom left: When clicking on the 'Remote' button in the top left window, this is the pop-up you'll see. Clicking on the 'Configure' button will bring up the 'HRDRemoteSvr.cfg' file. This is where you will set up your username, password and welcome message you'll see on the remote when successfully connected to HRD on the host. After you are done editing this file, and its saved, click on the 'Start' button. If it is running, you'll be able to see it in your Windows Task Manager. Look for an entry in your task manager as: 'HRDRemoteSvr.exe'. Remember, THIS IS BEING DONE ON THE HOST MACHINE, SO HRD CAN ACCEPT INCOMING REQUESTS FROM YOUR REMOTE/LAPTOP TO START. YOU ONLY NEED TO DO THIS ON THE HOST.

HRD is a full-featured FREE rig control program. I strongly suggest sitting down with it, and learn all the features it has to offer.
(CONTINUED ON NEXT PAGE)

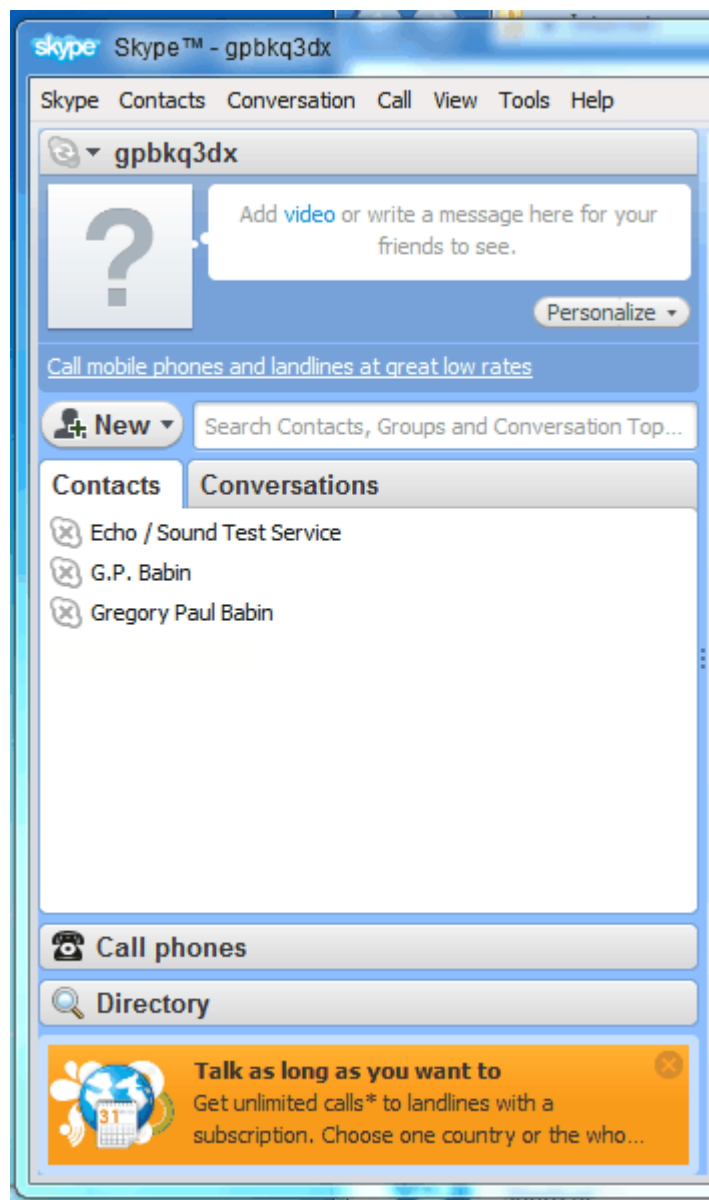


**Help
Desk**
(from pg
34)

To the left: This is the screen when connecting to the host when running HRD. Once you press the 'Connect' button, if the IP address is correct, more info will pop up under the 'Com Ports' box. This is also where you'll see your welcome message you set up in the 'HRDRemoteSvr.cfg' file.



One of the Skype set up windows above. Here is where you set up your audio settings, by clicking on the, believe it or not, 'Audio Settings' button on the left side. See that 'Volume' bar under the microphone and speakers? This is where you can set up your microphone and speakers audio. The audio level will be displayed as a green bar here. If you were to click on the 'Advanced' button at the bottom left, this is where you'll see the port settings Skype uses. You MIGHT need to set these up on your firewalls, but chances are you won't have to; Skype should set these up automatically for you during the installation process. (CONTINUED ON NEXT PAGE)



Beginner's Help Desk (from page 35)

To the left there is the Skype windows from which you will be placing your call to the host machine. You can see in this view the 2 accounts which I created. If you were to click on them, you would be placing a call to that person. Clicking on the 'Echo/Sound Test Service' account will place a call to the Skype testing service. Here a sexy-sounding British lady will give you instructions on how to set up your audio for best quality.

BTW: Skype is FREE for computer to computer calls. You can also sign up to make computer to phone calls, however this'll cost you. And to top it off, you can also video conference too, if you have a web -cam connected to your computer and your buddy on the other side of the circuit does too. You can even set it up to watch your shack.

Just in case you need it, here are the ports you MIGHT need to open if the programs don't automatically configure themselves on your Windows AND router firewalls:

Skype: TCP 45162

HRD: TCP 7805 for remote control (rig control)
TCP 7806 for serial port control (rotators, for example)

PCAnywhere: TCP 5631
UDP 5632

Chances are the only ports you'll need to open will be for HRD. I didn't open up port 7806 for rotor control since I don't do that, and the program works fine. I also opened the above ports in UDP, in addition to TCP; you can do so also. It will not affect operation of the programs.

Remember: I'm here to help assist you in setting up your connection if need be. Have your people call my people; we'll do lunch: Shoot an E-Mail to <KQ3DX@hotmail.com> and we'll talk. You're buyin'! (HA HA) 73 de NB3C

Additional notes that I came up with after I wrote this and wasn't about to work them into the main article: I never tried AOL Instant Messenger, so I can't tell you if it'll work or not. If you use AIM, try it, if not I know Skype will work, because I've already used it successfully. AIM is another FREE messaging program like Skype and Windows Messenger. Same goes for Yahoo! Instant Messenger and ICQ. They might work for you too, but I personally have never tried or experimented with them.

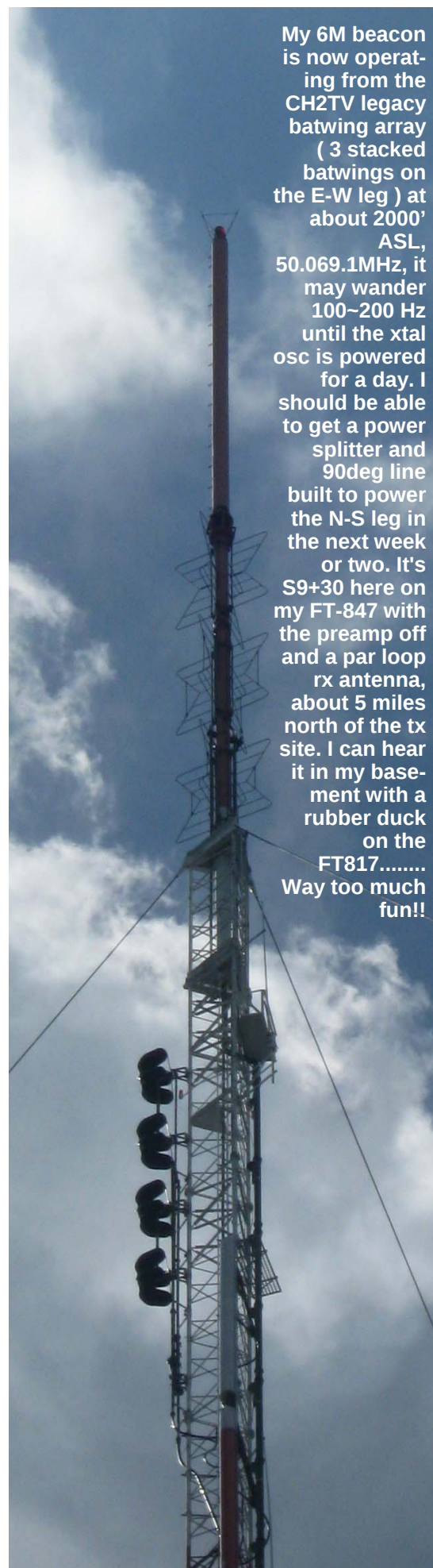
With PCAnywhere, you can also shut off the HOST computer when you are through. I mean, actually turn it off POWERED OFF. Of course, once you do this, you cannot turn it back on remotely. Also, I purchased a program at Dayton Hamvention called 'Bonito RadioCom 6'. This is an excellent rig-control program WHICH ENABLES YOU TO TURN THE RIG OFF ONCE YOU ARE DONE USING IT. YOU ALSO HAVE THE ABILITY TO TURN THE RIG ON REMOTELY. Now I've only used it with my Yaesu FT-2000D this way, but it does work. For more poop on the RadioCom program, check out these sites: <www.computer-int.com/rc.htm> & <www.bonito.net>. Using RadioCom 6 would preclude the need for using HRD. However, you would need to use PCAnywhere to control it; no provision is made to run it from your remote in the same fashion as HRD. The nice thing about RadioCom6 is that it also has the capability to utilize the digital modes such as RTTY, SSTV, & CW/PSK31. So this way, you get rig control AND digital mode capability in one program. Get the feeling there's more than one way to skin a cat?? You're right!!!

It is also possible to run Windows Remote Desktop through an internet browser window. To do so you'll need your Windows installation disk. Just go to your Windows Help and type in 'Remote Desktop Web' and follow the instructions.



If you have 6M capability, signal reports would be appreciated by Mike.

WA3TTS 6M Beacon Update



My 6M beacon is now operating from the CH2TV legacy batwing array (3 stacked batwings on the E-W leg) at about 2000' ASL, 50.069.1MHz, it may wander 100~200 Hz until the xtal osc is powered for a day. I should be able to get a power splitter and 90deg line built to power the N-S leg in the next week or two. It's S9+30 here on my FT-847 with the preamp off and a par loop rx antenna, about 5 miles north of the tx site. I can hear it in my basement with a rubber duck on the FT817..... Way too much fun!!

Dayton 2010 was a good thing as can be attested to by all the smiling faces below. 'Gotta wonder though, about the two "DARTH VADER" types on the far left! We also spent some "quality" time with Marc, AI3J; Mac, W3MAC and Al, NU3S. The dynamic duo, NU3S and AI3J, did not bike to Dayton this year. There was some concern about rain . . . it didn't! Nor did W3MAC bring the manly Kenworth(?) with a forty-foot trailer. These guys are really getting mellow in their senior years.

We did get to the "Barnsider Inn" and hoisted a few in honor of our pal Mike, KØBUD, who has missed the event for the last few years. He assures me that he WILL be in attendance in 2011. From his lips to . . . etc, etc and so forth. I suppose that wish would hold for all of us. We did see and chat with other SCARCers but things were moving too fast for photos. A good time was had by ALL.



We had a nice visit with the Muellers and Juergen. A real treat to chat with one of our DX members eyeball to eyeball. This picture was taken at the Yeasu display. We did cover the flea market rather well but there just wasn't enough time to do justice to the indoor displays. Oh well, NEXT YEAR!

A few weeks after Dayton we had another pleasant visit with another DX member, Ralph, DL4ZAA. He and his lovely YL, Barborou visited the club on the evening of the 26th of May. There happened to be a nice crowd of "regulars" on the hill that evening and we spent a most pleasant few hours with them. Ralph is doing quite well back home in Germany and is still working in the engineering world of design this time in the field of photo-voltaic (solar cell) products. Isn't HAM radio a wonderful hobby? 73 de W3SVJ

The KT34 ant project is still in the works, just waiting for a certain person to bring us some parts.

WOW! Lots of stuff happening!! Enough to make your head spin like a Lissajous pattern on a scope CRT. If my ramblings seem more "ramble like / dis-connected" this month...well, guess what? They are! I feel like I am that pattern on the scope these days. What's that old song line..."Goin' round in circles"

Add to the mix is my 2nd harmonic Bob KB3NZX graduation Commencement. OIY!

You don't have to be crazy.....but it sure helps!

73
Bob WB3HDI

Free RTTY Contest Software

Hello RTTY Community,

The contesting software RCKLog is now Freeware and usable for everyone without limitation.

RCKLog is a full featured contesting logging software for CW/SSB/RTTY/PSK for Single-OP's to Multi-Multi. The focus is on RTTY and PSK contesting, because this is my favorite mode. But the other modes are working as well.

Homepage: <http://rcklog.de>

Feel free to use it and forward this email to other lists.

73 de Walter, DL4RCK

May 2010
S M T W T F S
1
2 3 4 5 6 7 8
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23 24 25 26 27 28 29
30 31

June 2010

The Steel City ARC Monthly Contest/Event Planner

July 2010
S M T W T F S
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4 5 6 7 8 9 10
11 12 13 14 15 16 17
18 19 20 21 22 23 24
25 26 27 28 29 30 31

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 WACOM 2M Net WACOM 10M Net 222 Tuesday Skyview Business Meeting	2 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday	3 SkyView 2M Net WACOM Business Meeting	4 NCCC Sprint Ladder	5 Digifest Wake Up! QRP Sprint SEANET Contest IARU Region FD CW RSGB Nat'l FD AL QSO Party
6 <i>Breezeshooters Hamfest</i> Digifest/DARC 10M Digi SEANET Contest IARU Region 1 FD CW RSGB Nat'l FD AL QSO Party	7 Breezeshooters Net GPVHF Business Meeting RSGB Club Champ 80M Digi	8 WACOM 2M Net WACOM 10M Net 222 Tuesday ARS Spartan Sprint	9 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday NHARC Business Meeting NAQCC Key/Bug Sprint	10 SkyView 2M Net WASH Business Meeting	11 NCCC Sprint Ladder	12 Portugal Day Test VK Shires Test DRCG RTTY Test Asia/Pacific Sprint SSB BARTG Sprint 75 ARRL June VHF QSO ...
13 WASH 2M Net DRCG RTTY Test GACW WWSA CW Test REF DDFM 6M Test WAB 50Mhz Phone	14 Breezeshooters Net	15 <i>SCARC Business Meeting</i> WACOM 2M Net WACOM 10M Net 222 Tuesday	16 Alleg Co. ARES Net WACOM YL Net 144 Wednesday SARL Youth Day Sprint RSGB 80M Club Champ CW	17 SkyView 2M Net	18 NCCC Sprint Ladder	19 SMIRK Test All Asian DX Test CW WVA QSO Party Kid's Day Test Feld-Hell Test
ARRL June VHF QSO Party						
20 WASH 2M Net SMIRK Test All Asian DX Test CW WVA QSO Party	21 Breezeshooters Net Run For The Bacon QRP Test	22 WACOM 2M Net WACOM 10M Net 222 Tuesday	23 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday SKCC Sprint	24 SkyView 2M Net RSGB 80M Club Champ SSB	25	26 <i>ARRL Field Day</i> WASH Breakfast Ukrainian DX Digi Test King Of Spain Test SSB Marconi Memorial HF Test
27 <i>ARRL Field Day</i> WASH 2M Net Ukrainian DX Digi Test King Of Spain Test SSB Marconi Memorial HF Test SARL Digi Test	28 Breezeshooters Net	29 WACOM 2M Net WACOM 10M Net 222 Tuesday	30 <i>SCARC Social Nite</i> Alleg Co. ARES Net WACOM YL Net 144 Wednesday			

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
& <www.sk3bg.se/contest> ----- Click here for Table Of Contents

June 2010
S M T W T F S
1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
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July 2010

The Steel City ARC Monthly Contest/Event Planner

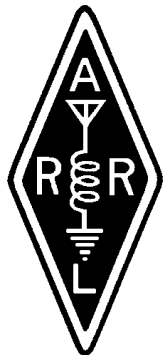
August 2010
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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 SkyView 2M Net RAC Canada Day WACOM Business Meeting	2 NCCC Sprint Ladder	3 YV Ind. Day Test DL DX RTTY Test PODXS 070 40M Sprint
4 Independence Day YV Ind. Day Test DL DX RTTY Test PODXS 070 40M Sprint DARC 10M Digi Test MI QRP CW Sprint	5 Breezeshooters Net GPVHF Business Meeting MI QRP CW Sprint RSGB 80M CW Club Champ.	6 WACOM 2M Net WACOM 10M Net 222 Tuesday Skyview Business Meeting ARS Spartan Sprint	7 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday NHARC Business Meeting	8 SkyView 2M Net WASH Business Meeting	9	10 IARU HF Championship FISTS Summer Sprint Feld-Hell Sprint
11 IARU HF Championship NHARC Hamfest WASH 2M Net SKCC Weekend Sprint ARCI Homebrew Sprint	12 Breezeshooters Net	13 WACOM 2M Net WACOM 10M Net 222 Tuesday	14 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday CWOps Mini CWT Test RSGB 80M SSB Champ.	15 SkyView 2M Net CWOps Mini CWT Test	16	17 CQ WW VHF Test DMC RTTY Test NA QSO Party RTTY
18 CQ WW VHF Test WASH 2M Net DMC RTTY Test NA QSO Party RTTY RSGB Lo Power FD WAB QRO 144MHz SSB	19 Breezeshooters Net Run For The Bacon QRP	20 SCARC Business Meeting WACOM 2M Net WACOM 10M Net 222 Tuesday	21 Alleg Co. ARES Net WACOM YL Net 144 Wednesday	22 SkyView 2M Net NAQCC Straight Key/Bug Sprint RSGB 80M Digi Club Champ.	23 NCCC Sprint Ladder	24 Pgh. Vintage Grand Prix Race Weekend RSGB IOTA Test
25 Pgh. Vintage Grand Prix Race Weekend WASH 2M Net RSGB IOTA Test	26 Breezeshooters Net	27 WACOM 2M Net WACOM 10M Net 222 Tuesday	28 SCARC Social Nite Alleg Co. ARES Net WACOM YL Net 144 Wednesday SKCC Sprint	29 SkyView 2M Net	30 NCCC Sprint Ladder	31 WASH Breakfast

Complete contests list: <www.hornucopia.com/contestcal/contestcal.html>
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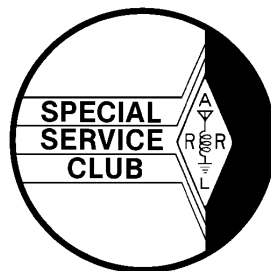
NORTH HILLS AMATEUR RADIO CLUB

25TH Anniversary Hamfest



July 11, 2010 8 am until 2 pm
Northland Public Library
300 Cumberland Road, Pittsburgh, Pennsylvania

Talk-in on 147.09 W3EXW
North Hills Club Repeater



Free Admission - Free Parking

Paved Tailgating \$5 each Space

A Real Old Fashioned Hamfest!

Handicapped Accessible

No Firearm Sales Permitted

Main Prizes

All prizes subject to availability

1st Prize: Kenwood TS 480 SAT

2nd Prize: LDG AT-100 Pro Antenna Tuner

3rd Prize: RCS 8v Remote Antenna Switch

4th Prize: PG 40 Super Power Gate Back up Power

5th Prize: Power Pole Crimping Tool w/ 30 Amp Connectors

Plus Hourly Prizes - must be present to win

Mystery Box

Main Prize Tickets: \$2 each, three for \$5, or seven for \$10. Main prize ticket entitles bearer to hourly prizes. Winner need not be present for main prize or mystery box drawing at 2 pm; must be present for hourly prize drawings.

Mystery Box Tickets: \$5 each only 120 tickets sold! Prize valued at over \$250.

Directions: Northland Public Library, 300 Cumberland Rd.; Approximately 10 miles north of Pittsburgh on Rt. 19 North. From Pittsburgh take Exit 11 on Rt. 279 to McKnight Rd. north to left on Cumberland Rd. From I-79 Exit 73 take Rt. 910 east to Rt. 19, south to Cumberland Rd. From PA Turnpike Exit 28 take Rt. 19 south through Wexford on Rt. 19, turn left onto Cumberland Rd. at the Sunoco.

Hamfest Chairman: Al Smochko K3YUB, 412-760-7055
e-mail: <nharchamfest@hotmail.com>. Additional information: <www.nharc.org>

Advance Ticket Sales -- deadline is July 1, 2010

Please send a self-addressed, stamped envelope with this coupon and your check made payable to the **North Hills Amateur Radio Club** to:

Al Smochko, K3YUB
107 Iola St.
Glenshaw, PA 15116

I have enclosed \$_____ for _____ main prize tickets for the July 11, 2010 NHARC Hamfest.

Name: _____ Call: _____ Phone: (____) _____

Address: _____

City: _____ State: _____ Zip Code: _____

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**Lots of Hamvention news inside. See what you missed
if you couldn't make it. See what you MIGHT have
missed if you did make it!
Plus lots of other local news 'n stuff too!**

Steel City Amateur Radio Club
P.O. Box 281
Carnegie, Pennsylvania 15106
Phone 412-787-0777
Editor: Greg Babin, NB3C
<KO3DX@hotmail.com>

