

The Pileup

Newsletter of the CDXA

Field Day 2007 – CDXA Beats Previous Record

By Dick Williams, W3OA

Field Day 2007 is now history. And it looks like CDXA may have made history by setting the Field Day record for Class 4E (home station, four transmitters, emergency power). We submitted a claimed score of 12,702 points. The current Class 4E record of 10,504 points has stood since 1999.

Here's our QSO count:

			Band	CW QSOs	Phone QSOs
W4VHF	Ted Goldthorpe	President			
N4HN	Thomas Wright	Vice-Pres.	160m	18	10
W3ZL	Cliff Wagoner	Sec.-Treas.	80m	465	249
K4MD	Joe Simpkins	Cluster Mgr.	40m	1074	391
W3OA	Dick Williams	Contest Mgr.	20m	798	138
W3GQ	Paul Sturpe	Cluster Mgr.- North Area	15m	165	42
WB4BXW	Wayne Setzer	Webmaster	10m	3	0
K8YC	John Scott	Editor	Totals	2523	830

CW QSOs count for two points each, phone QSOs one point, so the total of our CW and phone QSO points is 5876 points. Our power multiplier is 2 because all our transmitters were under 150 watts. This gives us 11,752 points. We added 950 bonus points for using 100% emergency power, attempting to get media publicity, sending a National Traffic System message to our Section Manager, copying the W1AW Field Day message, originating 10 National Traffic System messages, being visited by a Red Cross representative, and submitting our scores via the Web.

The CW operators were Dennis (K2SX), Cliff (W3ZL), Ron (AA4S), Steve (AA4V), Doug (K4LY), Don (K4ZA), Roger (N4ZC), Guy (W4NUS), and Gary (W7DO).

The phone contingent included Steve (KZ2I), Dick (W3OA), Ric (AA4SC), Ken (K4DXA), Jim (K4SQR), Thomas (N4HN), Nobby (W4UFO), and John (K8YC). Photo gallery is on Pages 4 and 5.

CDXA PacketCluster & Other Communication Systems		
W4DXA (11 mi. NE of Mooresville)	144.93 MHz (1200 bits/second)	441.00 MHz (9600 bits/second)
K4MD Charlotte, NC	144.91 MHz (1200 bits/second)	Not Available on 9600 bits/second
NG4DX (Digi near Galax, VA)	144.95 MHz (1200 bits/second) Connect to NG4DX, then type "C W4DXA"	
K4MD (AR Cluster via Telnet)	k4md.no-ip.com	
CDXA Repeater 147.18 MHz (+600)	W4DXA, Near Fort Mill, SC	
Echolink Interconnect to CDXA Rptr.	Login to K4DXA -R	
World Wide Web Homepage	www.cdxa.org	
Wednesday Luncheon (11:30 AM)	Murphy's Food and Spirits, 131 E. Woodlawn Road, Charlotte, NC	

Vladimir Goes Home!

After a little over two years, Vladimir Bykov, UA4WHX, is heading back to his home in Russia. Since May, 2005, Vlad has been making DXers happy by showing up in country after country in Africa. You could almost always tell it was Vlad when he showed up because he usually managed to get a callsign issued with the letters "VB" in the suffix.

Over the past year, I've seen a number of comments on the clusters that Vlad does not QSL. Those comments were being made despite periodic statements in various DX newsletters that Vlad does all of his QSLing once he returns home. Your editor can attest to that fact if the experience from Vlad's Pacific Islands trip from May to December 2003 is an indicator.

The recommendation has always been to hold all your QSL cards until Vlad announces that he's going home. Well, folks, he's going home, so now is the time to send your QSLs. His recommendation is send your QSLs direct with SAE and IRC for up to 7 QSLs to:

Vladimir M. Bykov, P.O. Box 2040, Izhevsk, 426000, Russia.

Details at: <http://www.dailydx.com/UA4WHX.pdf>

Vlad warns that cash might be safe, but it only leads to temptation for the less than scrupulous postal worker. IRCs are preferred. If you have multiple QSOs, he will accept a list of your QSOs on a piece of paper as long as at least one of your original QSL cards is included. Expect to hear from Vlad in the DX newsletters when the first QSLs start going out. Welcome home, Vlad, and thanks for the "new ones".

New #1 DXCC Honor Roll

With Logbook of the World providing a helping hand, Ken Boyd (K4DXA) received confirmation of his last needed entity from Scarborough Reef (BS7H). Ken didn't waste any time getting his paperwork filled out to show that he had "worked 'em all".

Ken is pictured below with Gary Dixon and "THE ENVELOPE" ready to carry Ken's last needed entity off to ARRL for final processing. Pictured also in Ken's hand is the reprint of the Logbook of the World page showing the contact was in the log. We suspect that Ken also included in his envelope enough money for that wonderful plaque for his wall declaring "#1 DXCC Honor Roll".



We hope to get a few more pictures like this in the coming days because there were about 9 members of CDXA for whom BS7H was the last one needed to achieve #1 DXCC Honor Roll status. If you are one of them, don't forget to document the event with a photo, and send it along to the *Pileup* for publication.

Josh Fisher, W4WJF, Earns YASME Scholarship

The YASME Foundation has awarded CDXA member Josh Fisher, W4WJF, a \$2,000 scholarship for the 2007 academic year. At last check Josh was maintaining a grade point average of 4.0 at NC State University.

Josh has been active in amateur radio for at least the last 5 years. He's taken top single-band honors in at least two recent VHF contests operating from Rich Mountain. Josh's connections to amateur radio have been good to him. Congratulations to you, Josh.

The Pileup

Official Newsletter of the Carolina DX Association
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Published monthly 10 times per year, excluding the months of June and December.

The purpose of the association is to secure for the members the pleasures and benefits of the association of persons having a common interest in Amateur Radio.

Members of the CDXA shall adhere to "The Amateur's Code" as published from time to time in *The ARRL Handbook for Radio Amateurs*, and shall consist of those valid licensed amateur operators having an interest in promoting amateur radio. Long distance communications (DX) is of special interest to members of the association, but said interest is not a requirement of membership.

Dues are \$30 per year for those using the PacketCluster maintained by the Association, \$15 otherwise, payable each December. Dues are payable by check to the Secretary/Treasurer:

Cliff Wagoner, W3ZL
P. O. Box 577
Davidson, NC 28036

Address, telephone, and email address changes should be directed to the Secretary/Treasurer at the above address or via email at: cliffw@adelphia.net.



The Pileup Second Front Page

CDXA Tops 2007 NC QSO Party

Shortly after the May 2007 issue of *The Pileup* came out, Contest Manager Dick Williams learned that CDXA captured the title of First Place In-state Club in the North Carolina QSO Party for the third consecutive year. This QSO party has grown nicely with the careful organizational efforts given it by the Forsyth Amateur Radio Club in Winston-Salem.

CDXA first entered the NC QSO Party (NCQP) as a club entry in 2005. We operated from the radio room at Discovery Place Science Center in downtown Charlotte and have continued to operate from there for all three efforts. A lot of visitors to Discovery Place have learned what radio contesting is all about as they've stopped in to witness the contest activity while visiting the science center.

At the conclusion of this year's contest the 3830 Contest Reflector provided this year's team cause for concern. A new club called the "North Carolina Kilowatts" reported a score that eclipsed our score by about 40%. However, a check of their "claimed" score indicated that they had worked high power, while the contest rules called for all entrants to use no more than 100 watts. Their summary sheet showed a rather high number of 20 meter contacts and a high QSO rate which suggested they had operated with high power. But, did they? Because we had a competent operating team for our effort, we were somewhat amazed at the good performance of this "newcomer". Apparently the contest organizers found the NC Kilowatts had operated with high power, because their entry was posted as a check-log in the final results. But we expect this group will be back in 2008 raring to go.

All three first place plaques now adorn the wall in the radio room at Discovery Place. A picture of this year's award is pictured below.



Other CDXA members fared well in the contest. **Roy Lincoln, WA4DOU**, took first place honors in the In-State QRP division. **Ben Wasiluskas, K4GHS**, (also a member of Forsyth ARC) took the honors for first as a member of Forsyth, and **Ron Bailey, AA4S**, took first place honors in the mobile category from the ranks of Forsyth operators. (As organizers of the event, Forsyth excludes its members from the general competition.) CDXAer **Ed Swiderski, KU4BP**, had a grand time of it in the Single Operator In-State competition, while **Phil Martin, K4ATM**, and **Bill Turner, W4WNT**, slugged it out in the In-State Mobile categories.

How would you like to be part of a winning team next February? Keep the last weekend in February open, and answer Dick Williams' call for operators when it comes.

Field Day 2007 at QTH of AA4S



Here's Don (K4ZA) at the 40 meter CW station. Don spent 22 hours in this chair and worked almost 1000 QSOs.



Steve, AA4V, drove up from Isle of Palms, SC. Here, he follows the primary directive of tech support—RTFM—Read The Friggin Manual.



Our host for Field Day, AA4S. Ron added to his awesome antenna farm, partially shown below, so that we could run four transmitters in FD2007.



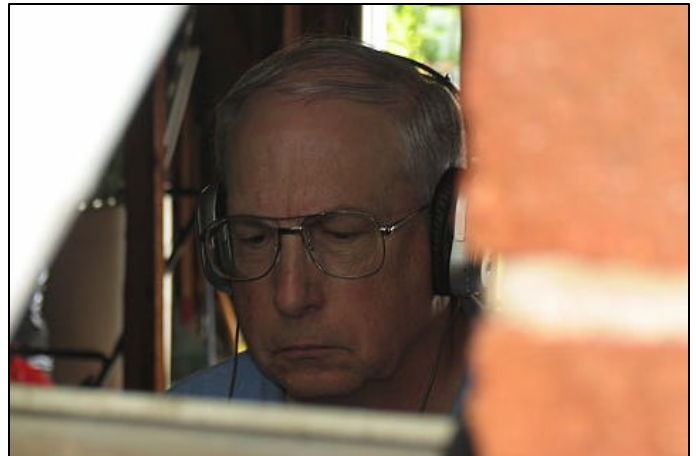
You say you're tired, Dick? How 'bout filling the right gas tank—like those on the generators in one of our two power centers, shown below.



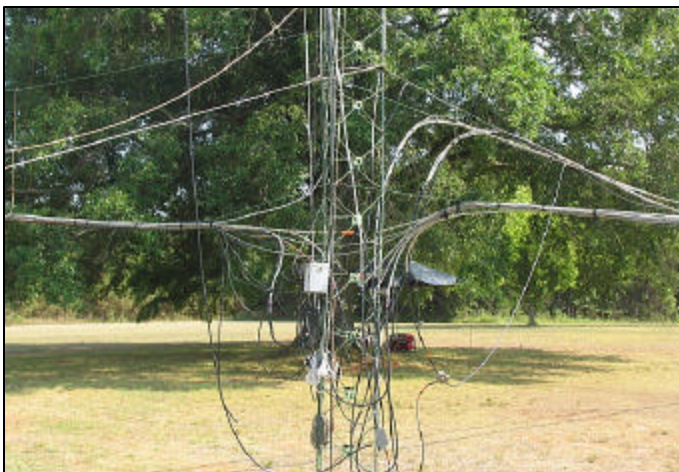
More Fun at Field Day 2007



Jim Miller, K4SQR, and Ken Boyd, K4DXA, heat up the airwaves in the early going.



No nonsense, as Cliff, W3ZL, is intent on digging out that CW QSO in the early going. Below, Steve Sullivan, KZ2I repeats Cliff's effort on SSB in the middle of the night.



Hey, Ron, where did you say that feedline for the new temporary 4-square array was led? Below, Ron and Dick thought of everything—shelter from rain and sun for SSB operators.



Setting up in the final hours required putting up the four-square array and a beam on a surplus military tower. Oh, and don't forget the sunshade for the SSB hut.

Welcome New Members

Four new members have joined us in the past two months. Just after the May issue went to press **Joe Millard, KI4TAB** of Indianland, SC and **Ron Tingle, K4ML** of Waynesville, NC became members of CDXA.

Joe has been attending lunches with some regularity. Just like the rest of us—we're sure that Joe has been finding there is a wealth of knowledge and experience on tap during our lunch hour.

Ron was first licensed in 1964 as "WN4YHS" in Virginia and now lives in Waynesville, west of Asheville. Ron tries to get his DX the old fashioned way: no spots and no amp; just by word of mouth on the bands, the published expedition schedules and 100 watts. Ron comes to us from the Atlanta-based Southeastern DX Association, and has been a DX chaser for most of his adult life (no, he did not get Scarborough Reef; never even heard 'em, so the antenna situation will have to change, says he).

In mid-June **Charles L. Lewis, KY4P** (ex S9SS) put his name on the CDXA Roster. Charles is probably familiar to many of you over the past 4 or 5 years as one who gave many a lot of band/entity contacts for Sao Tome where he was the station manager of the Voice of American broadcast station situated there. He's now retired back in his home state of North Carolina near West Jefferson. We've learned that he acquired a rig to give him 6 meter capability and he's in the process of assembling the materials needed to get some aluminum up in the air for the HF bands. Many CDXAers enjoyed meeting Charles in person at this spring's Charlotte Hamfest to see who it was they were talking to as S9SS.

Those who've been at the Charlotte Hamfest recently will certainly recognize the name **Lynn Lamb, W4NL** of Maryville, TN now on the CDXA roster. Lynn is one of the "Tennessee 8" who've been coming to the Charlotte Hamfest for a number of years. If not from the Charlotte Hamfest, perhaps you'll recognize Lynn as one of the founders of the SouthEast DX and Contesting Organization, SEDCO, which organizes a fine DXing forum in the fall for DXers in the SouthEast U.S.

We hope to see lots more of all four of these new members as time rolls along. Welcome to CDXA!

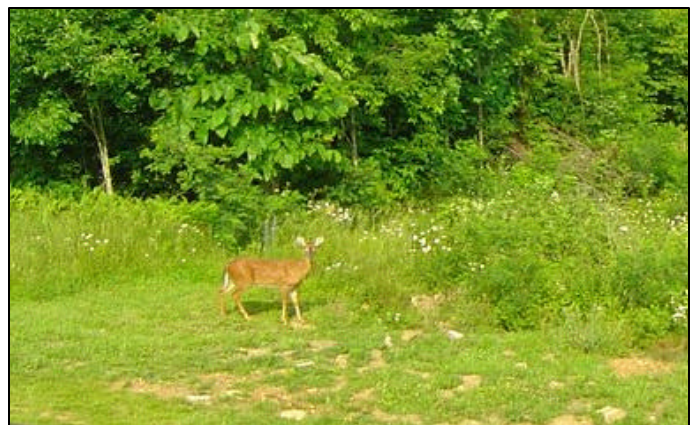
K4ZA in the Blogger Ranks

K4ZA has finally joined the ranks of the other 9 million bloggers out there in cyberspace. The URL is <http://towerworks.journalspace.com>. Don thinks he may be the only one who's writing about ham radio tower and antenna work in a web log. Check it out, from time-to-time.

Mountain Man

What excitement does a fellow who grew up in the mountains of West Virginia seek when summer rolls around? Hint: His callsign is W4**VHF**. Yessiree, our "Prez" Ted Goldthorpe grew up in Charleston, WV and cut his teeth working VHF from the mountaintops around his boyhood home. Is it any wonder then that we still find Ted and XYL, Itice, roving from mountaintop to mountaintop during VHF contests and choosing to spend their summer vacations at a mountain home? It's in his blood...

If you haven't yet awakened to a mountain sunrise or viewed a mountain sunset, you may not be able to fully comprehend the allure of the mountains. To give you a little flavor—including some views of gorgeous VHF antennas—W4VHF has sent along some views from his rented summer home.



Wildlife goes with the territory when you are in the mountains, and there are few animals more graceful than a Whitetail Deer.

During the day your friends from "across the valley" drop in for a visit. On the next page are pictured Charles Lewis (KY4P), Lesley Lewis (ex S9YL) and a "flatlander" from the Carolina piedmont paying W4VHF a visit.

When Life Gives You Lemons. . . .

By John Scott, K8YC

You've probably heard the old adage, "When life gives you lemons, make lemonade." Over the years those who'll still listen to me at CDXA lunches know that when I moved to Charlotte in 1995, I had to make a choice between a love of sailing and ham radio. At the time of my move, the opportunity to have a house with lake access on 33,000 acre Lake Norman was too appealing to pass up—and after all, my new homestead had CC&Rs which at least permitted radio antennas as long as they did not exceed the highest point of my house. So now you know my "lemons".

When the big six meter openings of 2001 and 2002 occurred, it seemed like I should have six meter capability to be able to work the "magic band". I finally settled on a Yaesu FT-100D for a transceiver. But what to do about an antenna?

Bill Fisher, W4GRW steered me to Dale Parfitt of PAR Electronics. Dale manufactures a family of horizontal loops for 6m, 2m, and 70cm called Omni-Angle. With horizontal polarization, the Omni-Angles produce a nearly circular polar pattern. And, it could easily be fastened to the rafters in my attic way up near the apex of the house, out of sight from the CC&R police. The antenna served me well and helped me earn VUCC on 6m in the third summer of operation. Since 2005, I've added about 39 more grid squares using the Omni-Angle. As the solar cycle declined deeper and deeper, I felt my 6 meter results might be improved if I could get an antenna with some gain. But how do you rotate a 6m beam amid the bracing in my attic?

Several years ago, I made some lemonade for my HF situation by building a 15m Moxon rectangle to supplement my R-7000 vertical antenna which was carefully mounted outside to be slightly lower than the tallest point of my house!. (See <http://www.cebik.com/moxon/mox20.html> for a discussion by L.B. Cebik regarding Moxon rectangles) My Moxon is a monobander, has a small turning radius, produces reasonable gain, and I could get it up 26 feet on a "plumbers wondertower" made up from telescoping PVC tubing. So, it was natural to wonder what the turning radius of a 6m Moxon would be.

A quick check using EZNEC and Cebik's optimized Moxon calculations (Search for MoxGen on the world wide web) showed that I could expect to get at least 8 to

(Continued on page 8)



A set of phased horizontal loops gives you a nice pancake pattern which from 4,700 feet altitude lets you reach out far and hear from everywhere—a VHFers dream.

Below, when the sun is about to come up in the morning, and the mist is still in the valley, there is a peacefulness that is hard to explain.

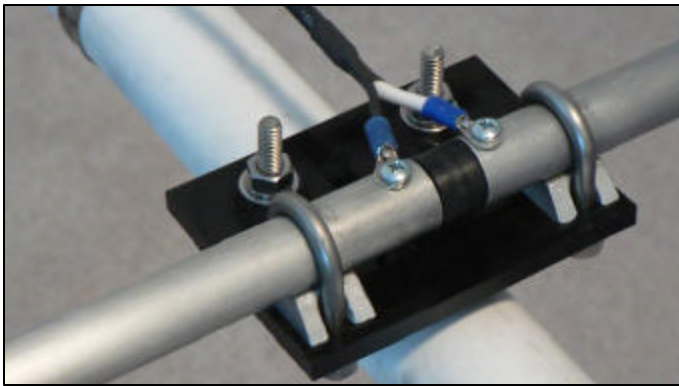


If we don't see Ted and Itice back in the Charlotte area by mid-August, we may need to send a volunteer up to West Jefferson to pry them out of the mountains. On second thought, make that two volunteers in case the siren song of the mountains is too great for one rescuer to overcome.

(Continued from page 7)

11dbi gain with a turning radius of about 46 inches! I had the few needed pieces of 3/4 inch aluminum tubing left over from other construction in the garage. When I won a gift certificate from DX Engineering at Dayton in 2007, I knew I could build a first class 6m Moxon. All things seem to come together when W4VHF told me he had an old TV antenna rotor via W3ZL ready to turn my small antenna.

A trip to Lowe's Home Improvement for some hose clamps, screws, pop rivets and PVC pipe, and I was soon in construction mode. Below is pictured a view of the boom to element junction using DX Engineering's BEB-3 clamp and their wonderfully engineered saddle clamps. DX Engineering's products are a bit pricey, but they are really first-class. I'm sure you'll not be disappointed by using their materials.



The corners of the Moxon were bent from 5/8 inch aluminum tubing by filling a 12" long piece with sand, sealing the ends with aluminum foil, heating thoroughly with a propane torch, and gently bending when the aluminum seemed to be softened sufficiently. This is a job requiring patience, but the results are worth it. Oh, yes, don't forget to remove the oxides formed from the heating process. In fact, you must clean all joints to bright metal before assembly. Below is the entire assembly pictured in place in my attic.



But how does it work? I recently did some antenna testing with W4VHF while he was at his summer rental up near West Jefferson. With the Omni-Angle, I received a S5 signal report using 90 watts from Cornelius to West Jefferson. With the Moxon turned 90 degrees from Ted's azimuth, my signal report was S1 to S2. As I turned the Moxon toward Ted, my signal improved to a little more than S6. From the listening side, Ted's signal was S5 on the Omni-Angle. Only small signal improvement was noted on the meter on receive, but Ted's audio improved significantly when listening on the Moxon—presumably because it was attenuating noise from more than 270 degrees azimuth.

I still feel I have some tweaking to do for optimal results, and I can share some tips I've learned about antenna construction at 6 meters versus 15 meters for those interested in following my footsteps. Is a Moxon as good as a 7 element beam on a 30 foot boom? Well, no. But, excuse me, I've got to go sip some lemonade.

Ten and Twenty Years Ago....

(Extracted from past issues of The Pileup, available from the archives on the CDXA website at <http://www.cdxa.org>.)

Ten Years Ago. . .

In early June, CDXA was preparing for an assault on the QTH of AA4S to participate in Field Day. . . . W4IX did a technical review of the then-new Kenwood TS-570D. . . . the full roster of CDXA for 1997 appeared in the August, 1997 edition of the Pileup—its fun to see who was active then. . . Roger Burt and Bob Burton gave a rundown on the technical requirements to tweak your TNC to optimize your PacketCluster experience!

Twenty Years Ago. . .

3V8AQ was making many happy from Tunisia. . . Amir, 4X6TT, had just begun his around the world trip which was supposed to conclude the next spring with a visit to Dayton. . . OE2CHN began an around-the-world trip at about the same time as 4X6TT providing more jubilation for DXers. . . In these pre-Cluster days, CDXA ran a Wednesday evening net to dispense DX information. . . the Lynx group was getting ready to depart for Western Sahara and there was some dispute about whether their planned place of operation would count for DXCC credit because it was in territory disputed by Morocco. . . a recap of the Western Sahara situation was included in the Pileup for July, 1987.

Broadband Over Power Line (BPL) Update

(In case you've not been following the BPL issues, here is the essence of the ARRL's brief filed in its appeal to the courts regarding the FCC's position on BPL. Copied from ARRL Bulletin 15.)

ARRL Files Federal Appeals Court Brief in Petition for Review of BPL Rules

The ARRL has filed a federal appeals court brief outlining its case and requesting oral arguments in its petition for review of the FCC's broadband over power line (BPL) rules. The League has petitioned the US Court of Appeals for the DC Circuit to review the FCC's October 2004 Report and Order (R&O) in ET Docket 04-37 and its 2006 Memorandum Opinion and Order. In its brief filed May 17, the ARRL contends, among other things, that the FCC's actions in adopting rules to govern unlicensed BPL systems fundamentally alter the longstanding rights of radio spectrum licensees, including Amateur Radio operators.

"For the first time ever, the FCC has permitted new unlicensed devices to operate in spectrum bands already occupied by licensees, even if the unlicensed operations cause harmful interference to the licensees," the League said in stating its case. "The orders under review reverse nearly seven decades of consistent statutory interpretation and upset the settled expectations of licensees without so much as acknowledging the reversal, let alone justifying it."

The ARRL argues that the FCC's approach to adopting rules to govern BPL flies in the face of Section 301 of the Communications Act, which requires that operators of devices that emit radio frequency energy first obtain an FCC license. "For years, the FCC has consistently read Section 301 to apply to unintentional radiators, such as BPL devices, and has expressly embodied that interpretation in its rules," the League's brief recounts. The Commission then compounded its error by asserting that BPL devices do not fall within Section 301 at all, the League said.

The ARRL contends that the FCC orders under review "jeopardize the license rights of ARRL's members and other license holders by authorizing providers of a new device -- Access Broadband over Power Lines, or 'BPL' -- to send radio signals across the electric grid in the frequencies the license holders occupy, but without having to obtain an FCC license."

The League's brief further asserts that the FCC "has failed to discuss or disclose significant information in

the record that potentially contradicts its key interference findings." The Commission not only withheld its internal studies until it was too late to comment, the ARRL alleges, but has yet to release portions of studies that may not support its own conclusions.

The ARRL wants the appeals court to determine if the Commission acted in an arbitrary and capricious manner for not disclosing "significant information that potentially contradicts its key interference finding," the League said in its brief.

The League also has taken issue with what it argues is the FCC's "arbitrary and capricious" adoption of a BPL emission measurement standard that's unsupported by the record in the proceeding and ignores contrary evidence.

The ARRL brief asserts that, for the first time ever, the FCC "has authorized the operation of unlicensed devices that it concedes interfere with licensed devices" and has declared that such devices "may continue operating even where proven to cause interference."

The FCC, ARRL contends, has concluded that BPL's acknowledged interference risks are manageable, but it bases that conclusion—which ARRL calls "the linchpin of the challenged orders"—on FCC studies the Commission has declined to make public in unedited form.

The FCC's response to the League's brief was due in early July.

Can BPL Survive Commercially?

An article appearing on the QRZ.COM users website recently disclosed that George Tarnovsky, K4GVT, of Manassas, VA did some testing with his ICOM-706 about 100 feet from one of Manassas' BPL lines. He had a repetitive download going on inside his house when he transmitted using different power levels. On most bands, data transfer slowed significantly. Even more alarming is that when he stopped transmitting, the software on the BPL system apparently removed all ham band notching to effect a more rapid recovery.

In many cases, his transmitting caused the transmission to stop, requiring it to be restarted. Worst case of all, was that merely 2 watts on 40 meters rendered Manassas' BPL system completely numb. So ingress of RF from licensed services is consequential, as expected.

You can read more at:

www.k4gvt.com/bpl/bplweakness.html

It's VHF Contest Season Again

The first VHF contest of the season means a lot of work must be done—especially if you operate from a mountaintop. First, there is the repair of the almost inevitable damage caused by high winds of the winter months. Then, all the antennas taken down in the fall must be returned to their respective masts and raised.

These preparations are rarely done the day before the contest, or else all preparations might not be completed on time. This year, the AA4ZZ contest crew spent a full day several weeks before this June's VHF contest putting things in order. Then there were several trips to the mountains again for specific ad hoc tasks performed by Bill Fisher and Ken Boyd.

On Friday before the contest, everybody shows up to get things in a final state of readiness. Below, you can see the stacked 2 meter array is in position while final preparations are made on the 220 MHz and 432 MHz antennas.



Experimentation to get the best from the station is ongoing. From a mountaintop location, a high gain/narrow beamwidth antenna can cause one to miss callers if the antenna is not pointing directly at the caller. A stacked H-double bay antenna (now dubbed a “four

bay”) was found to provide really good bi-directional coverage with a great front to side ratio. When paired with a second four bay pointed 90 degrees different in azimuth, scanning all four directions of the compass can be done with the flip of a two position antenna switch. Quick, easy, and effective. Pictured below is one of the four-bays firing off to the northeast.

Different operators are asked from time to time if they wish to “join in the fun” and participate in the preparations and operate in the contest. In another picture be-

low, Nyles McKeithan (KS4S) drove up from Lumberton to try his hand at AA4ZZ. It's a long drive from Lumberton to Boone—ask Nyles!!

At 2:00 PM on Saturday, 9 June, the contest kicked off, and things start to happen.



They don't end until 11:00 PM on Sunday Evening. You just cannot give up in a VHF contest, because you never know when that great opening will occur. The June 2007 ARRL VHF contest offered just such a surprise. Things had been steady throughout the contest period, but not outstanding. At about 6:30PM on Sunday evening, the score at AA4ZZ was nearing 200,000 points after nearly 28 hours of operating. Then, there seemed to be a 6 meter opening to the west. With our internetworked logging programs all operators could watch the 6 meter operator start to turn QSOs. In the next three hours, six meters had quite a run and when the bell rang at the end, the claimed score was about 370,000 points. So when Yogi Berra made his now-famous quote, “It ain't over till it's over.”, we know he was talking about more than just baseball.

The Back Page

Field Day 2007 was a blast, and CDXA may have set a new 4E record. See Page 1 and picture pages 4 and 5.

K4DXA is one happy DXer following BS7H. See Page 2.

CDXA wins third straight first place in-state club honors in NC QSO Party. See Page 3.

If you've not been following the broadband over power line (BPL) issues, read what action the ARRL is taking on Page 9. It will be interesting to learn the FCC's response to ARRL's brief in Federal court.

* * * EXTRA—Late Bulletin * * *

Our President, W4VHF has been bit by the competition bug. With 6 consecutive Rover victories in the CQ VHF contest going into last year's contest, some great conditions in the Midwest finally unseated Ted from the top spot. Ted and Itice are going to "give it a go" again this year on July 21-22 to see if they can't reclaim their title. If you have a rig with 2 meter and 6 meter capability, try to give Ted your QSOs at each of the four gridsquares from which he'll operate. Two contacts at 4 grids from many CDXA members would surely be a big help!

1st Stop: (EM86) Roan Mountain (2PM to 7PM EDT on Saturday)

2nd Stop: (EM85) Little Switzerland, NC (Saturday Evening until bedtime)

3rd Stop: (EM85) Mount Mitchell (9AM to 1PM EDT on Sunday, July 22)

4th Stop: (EM95) Blue Ridge Parkway Overlook (About 2:30PM EDT on Sunday.)

5th Stop: (EM96) Blue Ridge Parkway Overlook (About 4:00PM EDT on Sunday.)

Operation will be CW and SSB on 6m and 2m plus FM Simplex on 146.49MHz, 146.55MHz, or 146.58MHz.

Any others planning to be out: Please let K8YC know your plans so they can be sent out via the *Pileup* email list.

Cliff Wagoner, W3ZL

P. O. Box 577

Davidson, NC 28036

cliffw@adelphia.net

First Class Mail

See something wrong with your address label? Notify W3ZL at once, please.