

*The*  
**MODULATOR**  
The Baltimore Amateur Radio Club, Inc.  
P.O. Box 120  
Reisterstown, MD 21136-0120

The Baltimore Amateur Radio Club  
Repeater System **W3FT**

Frequency	PL
146.07/146.67	107.2
222.64/224.24	107.2
444.625/449.625	107.2

**simplex:** 146.55  
**web:** <http://www.baltarc.com>




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BALTIMORE, MD  
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October 2005 Vol. 59, No. 10

# *The* MODULATOR

Newsletter of the Baltimore Amateur Radio Club



# Election Dispute

Also: BARC Renewal Information Enclosed

# The MODULATOR

published by *The Baltimore Amateur Radio Club*  
P.O. Box 120  
Reisterstown, MD 21136

For Information, dial **410-HAM-TALK**  
Club website: <http://www.baltarc.com>  
Hamboree website: <http://www.gbhc.org>

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## Club Officers

President	Joe Kryzstoforski	AJ3X
Vice President	Hale Adams	N3NYC
Treasurer	William Dobson	N3WD
Recording Secretary		
Corresponding Secretary	Henry Lee III	KB1PE
Members at Large	Steve Rifkin	KA3ZMN
	Ed Kriston	N3CVA

## Committee Chairmen

Public Information	Doug Wittich	N3VEJ at arrl.net	
Hamboree	Robin Schaefer	AA3SB at arrl.net	410-247-0578
Repeater	Phil Hebert	N3CDY at comcast.net	
License Testing	Rusty Schaefer	N3WKE at arrl.net	410-247-0578
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Program Chair & Legislative Affairs Director	Tom Coates	N3IJ at comcast.net	410-933-9344

Items for *The Modulator* should be sent by the 5th of the previous month, to:

Editor  
*The Modulator*, 3607 Klausmier Rd  
Baltimore, MD 21236  
or email to [modulator@baltarc.com](mailto:modulator@baltarc.com).

The club meets at 7:30 pm. the first and third Wednesday of every month in the club facility at 12360 Owings Mills Blvd., 3/10 mile south of Bond Ave. See ADC map page 16-D8. Complete directions web page <http://www.baltarc.com/directions.htm> or call the Club Facility at 410-526-4263.

**VE Testing:** First weekend of each month. Contact Rusty, N3WKE at arrl.net

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## VE Report - September 2005

A Laurel ARC Volunteer Examiner Coordinator (LARC VEC) affiliated testing session was held at the BARC Meeting and Training Facility in Owings Mills, MD, on Saturday, September 3. Four people took exams for either their initial ham license or to upgrade their license.

**The examinees achieved the following:**

### Became new Technician Class licensee

Todd Moyer KB3MPG  
Barrett Giffel KB3MPI

### Became new General Class licensee

John Heinz KB3MPH

### Upgraded to Amateur Extra Class licensee

Joe Tracey KB3LNM

### Overall, four tests were passed out of six administered:

Element 1 (5 WPM CW): 100%

Element 2 (Technician Written): 100%

Element 3 (General Written): 33%

Element 4 (Extra Written): 100%

### Thanks to the Volunteer Examiners who made the session possible:

Tom Hendricks KB3CVS Ed Kriston K3CAV Doc Sanders W3FYA  
Robin Schaefer AA3SB Rusty Schaefer N3WKE

Next testing session at the BARC facility is Sunday, October 2, 2005. Registration opens at 1:00 PM and testing starts at 2:00 PM. For the exam session, please send email to [n3wke@arrl.net](mailto:n3wke@arrl.net) (or call Rusty Schaefer 410-247-0578).

## 73, Rusty N3WKE

VE Team Leader

## Moving Sale

Ameritron AL80B 1kw amplifier	\$800
MFJ 262D 1.5kw roller inductor tuner	\$150
Kenwood 570D HF transceiver w/hand mic	\$450
Astron 35A power supply	\$ 75
Kenwood MC60 desk mic	\$ 75
low pass filter 1kw Wm.Nye Co	\$ 40
MFJ Dummy load 1kw with oil	\$ 30
Butternut HF6V vertical antenna	\$100
Documentation, jumper cables	n/c
MFJ Sound Card Radio Interface	\$ 50

All items in excellent condition, prices are negotiable. Call **Carl W3MAO**  
410-321-7157 or email *carlw3mao at aol.com*.

-----  
Yaesu VX-6R triple band HT transceiver bundle. Used less than 2 months,  
in near mint condition. Comes with: the wall charger, belt clip, manual, and  
the following extras. A dual band mag-mount mobile antenna (it's about 12"  
high, with 10' cable), BNC-SMA and SO239-BNC adapters, and the official  
Yaesu cloning cable. \$225. KB3I, *irawex at comcast.net* or call 443-465-2381.

-----  
TS 140 Kenwood - Transceiver  
PS 50 Kenwood - Power Supply  
SP 430 Kenwood - Speaker  
Tuner Johnson Match box  
Transceiver - Swan 350  
AL 811 Ameritron - Amplifier  
Transceiver 2610 Uniden  
Heath Dummy load -  
Handheld HT 202  
Power Supply - Tripp  
Antenna - Butternut

Contact Jackie at *jacjo31at bcpl.net*

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### Correction and Enhancements to Last Month's Story on Repeaters

Last month, we had a little bit of information about the NERA repeater system, along with some guidelines on repeater usage. We have since learned that the NERA system is a closed system. Except for transients and emergencies, it should only be used by members. Membership requires paying a fee of \$35 AND helping to work on the system.

## The President's Corner

BARC has been extremely busy this past year trying to address your changing needs. We are particularly proud of our success in meeting our 2004-2005 objectives and our continued advocacy of legislation at the state and federal level in support of Amateur Radio. We continue to recognize the outstanding contributions that our members make to the U.S. Amateur Radio Service and we look forward to welcoming you as a returning member. Together, we can continue to improve BARC, have fun and promote amateur radio in our community.

It's that time of year again; time to remind you to renew your membership.

Enclosed in this issue of the Modulator you will find BARC's 2005-2006 membership renewal/update form. Please take a moment, fill out the form updating your contact information and return it along with your 2005-2006 dues to the attention of the Club's Treasurer. All members need to renew for 2005-2006. If you have a lifetime membership, you must request a continuance of your membership by returning the renewal form. Please return the form along with your dues or contribution by mail or in person no later than November 15.

On September 7, 2005 the membership elected the following officers and board members to preside over BARC for 2005-2006.

Hale Adams, N3NYC	Vice President
William Dobson, N3WD	Treasurer
Norman Lorenzen	Recording Secretary
Henry Lee, KB1PE	Correspondence Secretary
Steve Rifkin, KA3ZMN	Member at Large
Ed Kriston, N3CVA	Member at Large

Please join me in thanking those who ran for office, congratulating those elected to preside over BARC for the upcoming fiscal year and the following appointed committee chairpersons.

Robin Schaefer, AA3SB	GBH&C
Phil Hebert, N3CDY	Repeater & Data Base Manger
Tom Coates, N3IJ	Program Chair & Legislative Affairs Director
Doug Wittich, N3VEJ	Public Information
Rusty Schaefer, N3WKE	License Testing

## For Sale

### Moving Sale:

Heathkit Linear Amplifier SB-220 with very low time; matched pair of Eimac 3-500Zs.....	\$600
Heathkit HM-102 RF Power Meter with attached antenna selector .....	\$40
ACI AC-20 Linear for 2 meters .....	\$20
Alinco 110 2-meter transceiver can be base or mobile .....	\$100
Astron RS20M 13.8 VDC, 20 Amp power supply .....	\$60
Kenwood TS-690 S 160-6 meter transceiver with hand mike and power cord .....	\$400
Heathkit GC-1107 digital clock.....	\$10
Ameriton ATR-15 Antenna tuner 1500 Watt RF, 1.8-30 MHz .....	\$80

All in good working order. Call **Jerry, KB3AP**, 410-484-2460 or  
[KB3AP@netzero.net](mailto:KB3AP@netzero.net).

### RF Power Meters

HP 431C with 470A Thermistor Mount - 10 MHz to 10GHz, 10 mW. max.....	\$50.00
Homebrew. Direct input, Digital Readout, 1 to 400 Mhz, -60 to -5 dBm (1 mW max.).....	\$25.00

### RF Frequency Counters

Heathkit IM-2410 10 MHz to 225 MHz .....	\$35.00
Startek 15-UHS 1 to 1500 MHz .....	\$50.00

All the above with manuals.

**George Hoffmanner N3ESO**  
(410) 252-2049 (in Timonium)

## Membership Renewal

Enclosed is your membership renewal form. Please complete all the requested information so that we can be sure our database is completely up to date. NOTE: Your name, address, email or phone number are never published beyond the club. The widest distribution they may get is within a club directory that is distributed only to members. We encourage everyone to provide SOME form of contact to be published in the directory, even if you don't agree to publish everything.

You have a choice of two ways to renew, electronically or by mail.

**Method 1. By Mail:** The form is printed double-sided, so the original page may be used for two members. Please photocopy the form for each additional member of your household that is renewing. All may be returned in a single envelop, with a single check to cover the total cost. Please return to BARC-Renewals, PO Box 120, Reisterstown, MD 21136-0120.

**Method 2. By Internet:** Step 1, registration: Complete the membership form at <http://www.baltarc.com/membership/MembershipChange.htm>.

Each person should complete the form to provide their preferences for all the questions.

Step 2, Payment: After all the membership forms are submitted, go to <http://www.baltarc.com/membership/paypal.htm>.

**PLEASE NOTE:** Each time you click an "Add to cart" button, you will see a window named "PayPal Shopping Cart". If you are entering only one membership, then you can click the Checkout button, and complete the payment information with PayPal. You will get a return email indicating that the payment has been completed.

If you have additional memberships to pay for, you may switch back to our window to add additional items to the cart. For example, the primary member may add their \$15 renewal, then return to the <http://www.baltarc.com/membership/paypal.htm> screen to enter the \$3 for a family member. Once all of them are entered, you can use the Checkout button on the PayPal shopping cart to complete the transaction. In this way, there is only one charge to your credit card or PayPal account.

One last item, I was not able to attend last month's breakfast with the President due to a family emergency and I would like to take this time to apologize for my absence.

That's all for now, and I hope to see you at the October 5th business meeting, the October 19th program meeting, or at this month's lunch with the President on October 13 at Andy Nelson's BBQ, on York Rd just South of Valley View Farms.

*Remember, BARC exists because of you and it cannot exist without you!*

**Joe Kryzstoforski, AJ3X**  
**President BARC**  
**aj3x at arrl.net**

## BARC Lunch: Thursday, October 13th at 11:30 AM

Andy Nelson's BBQ. Costs run from \$5 to \$13, the special with sandwich 2 sides and soda is \$7.35. Andy Nelson's is located at 11007 York Road, Cockeysville, MD 21030 • (410) 527-1226. This is at the bottom of the hill, just past the brick warehouse, near Mark Downs and a half a block south of Valley View Farms.

## IRLP, Bring your HT!

**Jeremy Bair, K2ORX** will be presenting IRLP, The Internet Radio Link Project at the October 11th BRATS Meeting, 7:30 p.m. at the Pikesville Library.

IRLP is used to link thousands of ham radios worldwide using Voice over IP and the Internet. Learn about how IRLP works, and how you can use it to communicate to other hams on over 1600 nodes on 7 continents!

The presentation will conclude with a live demonstration using the K2ORX node #4937, the first node located in Baltimore. I encourage you to bring along your HT and give IRLP a try!

Snacks and beverages will be provided. Please see the BRATS website ([www.bratsatv.org](http://www.bratsatv.org)) for directions to the meeting.

## ARRL Elections Cause a Stir

**B**ernie Fuller, N3EFN, Director of the Atlantic Division is stepping down after several years in the role. The directors from all the divisions form the board for the ARRL, and are the policy makers for the organization. This year, Carl Stevenson, WK3C filed to run in the election against Vice Director Bill Edgar, N3RLL who is now running for the position of Director. The Elections committee ruled him ineligible because of a *potential* conflict of interest. Mr. Stevenson operates a commercial communications consulting business. Many people in the division are upset about this ruling, and the fact that the entire board refused to hear the appeal. The applicant also provided sworn statements that indicated there would be no conflict of interest with his business. ARRL officials were contacted about this topic, but would not comment due to the potential for pending litigation. Mr. Stevenson has a web site at <http://home.ptd.net/~wk3c/> that presents his side of the story, including links to his documentation for appeal and the rejection letter. Many long-time supporters of the ARRL are most unhappy with this decision for a couple reasons:

- It appears to be an inner circle trying to remain closed (which from an objective point of view is their prerogative, as a private organization)
- The “potential” conflict of interest was not applied to other applications for office or to past directors or vice directors who are involved in communications careers
- The entire board refused to hear the appeal, leaving the decision to a committee of three people

While **The Modulator** generally stays away from controversy, the outrage expressed by members as well as hams in the division make this newsworthy. In this reporter's opinion, this also casts a sad shadow on Bill Edgar's role as new director, should he be elected with no opposition. It would be far better for the division and for the ARRL if a new director is elected on the merits of their service and their platform in a real election with multiple candidates to choose from. On the next page are the contents of Mr. Stevenson's web site.

## FCC Proposed Rules Changes

Last month, we solicited opinions to print. We are happy to print them all!

*I agree that more people will join the ranks of amateur radio if the CW requirement is dropped. Since CW is the most reliable mode of communications, it would be good to maintain a pool of trained CW operators. Therefore I feel that the CW requirement should be retained for the extra class. The 5 WPM is adequate to insure that message traffic.*

**Joe Tracey KB3LNM**


*CW has a long and rich tradition. So does RTTY, in fact, my physician used to write an article on the topic in 73 Magazine. There are many modes, but none except CW require a demonstration of proficiency. Even SSB does not have to be demonstrated in order to get a license. I would like to see the CW usage continued, in a protected portion of spectrum. As for the argument that it serves as a filter, the fellows on 75 meters disproves that reasoning!*

**Doug N3VEJ**

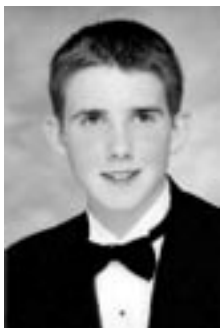


## Yaesu FT-2000

This is the picture of the new FT-2000 that was displayed at the Tokyo Ham Fair earlier this month. Marketing is targeted at the IC-756 Pro-III category users with pricing in the \$3000 plus class. Little is known about the specifications but this is targeted to be the successor to the aging 1000 series. A spectrum scope via a flat screen or your laptop is available but other specifics are only starting to surface. As pre-production information is made available and translated, look for more information in international ham publications. As always expect to see the unit in Japan and Europe first.

In what looks to be an ICOM and Yaesu battle for the HF hearts, I can't help but wonder if anyone is alive at Kenwood? 

**Mike.S.Higgins@sprint.com, K6AER**



My grandfather, Leo Hebert (K3GIJ) was a ham, therefore influencing my father (N3CDY), to become a ham as well at a young age. This led to my mother and old brother to become certified as hams as well. I am a part of a ham family and as a result, have been surrounded by the radios and the chatter all of my life. It was no giant leap when I got my license. Since that time I have enjoyed talking to and meeting new people in ham radio. Not only is it a daily means of communication for me and my family but it is also a great enjoyment to me

just to talk to new people. I will be attending the University of Maryland at College Park in the fall to study Aerospace Engineering where I am confident that the techniques and knowledge I have gained from ham radio will help

## Upcoming Program Meetings

**October:** QSLing for Results. Bill Dobson, N3WD, is an ARRL HF and VHF Awards Manager. He's also the 3905 Century Club Awards Secretary. Bill has seen a *lot* of QSLs. He knows what has to be on the card, what's nice to have, and what's just confusing. Bill can also show you some horrible examples (what were they thinking?). Bill also holds DXCC and has some practical suggestions on how to ensure prompt responses when sending QSLs.

**November:** Longwave Propagation and monitoring. This presentation includes "how to" suggestions.



Hi, I'm Carl, WK3C, and I WAS Seeking the ARRL Atlantic Division Directorship in the upcoming ARRL Election

I have had a tremendous number of inquiries as to why the ARRL website article and e-mails regarding the upcoming elections did not include my name as a candidate for Atlantic Division Director.

I did NOT "drop out" of the race, as a few have suggested on *qrz.com*, because of either a lack of interest or a lack of support.

In fact, I had garnered a great deal of support and I wish to publicly thank the many, many individual hams and clubs throughout the Atlantic Division who expressed their vigorous support for my candidacy and to let you all know "what happened on the way to the ballot box."

To be blunt, the ARRL "inner circle" has frozen me off of the ballot with a "ruling of ineligibility" which I believe to be totally unfair and unjustified for reasons that I'll outline factually below.

First, let me state that whether you may have supported my candidacy or not, I believe what you will find—if you read all of the information I'm publishing here, including the details behind the links—is a very disappointing story relative to fair and open ARRL elections, equal treatment, due process on appeals, etc. (I will give the "5 cent" version here, with links to relevant documentation, in the interest of keeping this page from getting too, too long.)

Here is the story...

First, despite a 2 hour telephone conversation with George "Dick" Isely, the Chairman of the "Elections and Ethics Committee," during the afternoon of August 23rd, the day on which the 3 man committee was to hold their teleconference meeting at 8:00 pm, in which I gave him firm assurances that I have NO "conflict of interest" and that, if elected, my fiduciary responsibility to the League and its membership would preclude me from entering into any client relationship that would present a conflict, followed up with an e-mail summarizing the substance of that conversation, the Committee sent me a message on August 24th stating that I was "...ineligible as a candidate for ARRL Atlantic Division Director because of a conflict of interest..." (emphasis added.) A link to the entire message from the "E&E Committee" is at [http://home.ptd.net/~wk3c/E\\_E\\_Comm.htm](http://home.ptd.net/~wk3c/E_E_Comm.htm).

Next, by return e-mail, I notified Mr. Isely (and everyone else in the distribution list of that message) that I intended to vigorously appeal the Committee's decision and asked for them to detail the appeals process to me, since the ARRL Articles of Association and Bylaws (<http://www.arrl.org/aabl.html>) are silent on an appeals process. (It appears that the Executive Committee is, effectively, free to "make up the rules as they go, on a case-by-case basis, as it suits them"—something that I'd find disturbing as a member, whether I was a would-be candidate or not.)

In response to that message, I received an e-mail from Chris Imlay, the ARRL's general council, which, in essence said "...submit any materials that you deem relevant to the Executive Committee of ARRL..." "The Executive Committee will consider these materials immediately thereafter." and "Following the Executive Committee's review of the Elections and Ethics Committee eligibility determination, you will be informed of the Executive Committee's decision in writing."

Then, I submitted a 9 page appeal package ([http://home.ptd.net/~wk3cl/WK3C\\_Appeal.pdf](http://home.ptd.net/~wk3cl/WK3C_Appeal.pdf)), which:

1st, politely questions process (or lack of due process), then

2nd, reiterates my previous assurances that I HAVE NO "conflict of interest," and that, if elected, my fiduciary responsibility to the League and its membership would preclude me from entering into any client relationship that would present a conflict, then

3rd, cites 3 examples (a current Director, a current Vice-director, and a past Vice-director who are (as a lawyer would put it) "similarly situated" with respect to their business or employment situations who were CLEARLY not subjected to the same presumptive, proscriptive, and prejudicial application/interpretation of "the standard of Article 11" as has been applied to me, and

4th, requests an appeal to the ENTIRE Board, with the due process of being able to address the appeals panel and answer any questions they might have before they rendered a determination.

Finally, I included—of my own volition—a signed, notarized affidavit (last page of the appeal) where I swore under penalty of perjury that I had NO conflict of interest and, if elected, would not enter into any client relationship that would present a conflict of interest.

## Scholarships

The GBH&C is our only fund raiser. Nearly a third of our budget goes to pay the scholarships. We provide four, and there is a fifth that we hold the funds for. Below are the thank you notes we got from our recipients.



Dear BARC,

Thank you very much for the scholarship check. I plan to use the money on school books this year; I have heard they are very expensive, but this will certainly help. I am also thankful for the opportunity I had in taking the test for my license at BARC - it is odd yet nice to receive a scholarship from the same place where I became a ham radio operator.

Sincerely,  
Rebecca Milton

*Rebecca is a technician class licensee who had operated on 2m FM, 6m SSB and at Field Day. She has read ham radio fiction by Cynthia Wall and also writes her own fiction including ham radio operators. She plans to upgrade to General Class and use her new operating privileges to contact both English and Spanish speaking radio amateurs on SSB and PSK-31. She has begun her study of CW and has constructed a keyer supplied by the Northern California QRP club used for practice. While her furthest DX to date has been working Nova Scotia on 6m, she is looking forward to multilingual QSOs. In college to major in foreign languages and possibly communication studies with a bit of*



My name is Vic Curtis, KB3BTD, and I've been a HAM since I was 10 years old. I remember going to the local club meetings—The Southern Maryland Amateur Radio Club—when I was a toddler and continue to be active to this day. My dad has been the president of our local club several times and for the past 5 years the club's Field Day has been held in our front yard. I have helped set up communications at Red Cross shelters during emergencies and hoist antennas and dipoles at Field Day. I am currently a sophomore at Frostburg State University and am working towards an engineering degree. I love college life and the struggles of a challenging curriculum. I am deeply grateful to FAR and to the Baltimore Amateur Radio Club for their generous scholarship award.

After The Shoot Out, some of the guys wanted to try a few ideas and see what would happen. **Lon, K0WJ**, added a 19 foot whip to his Predator (making it illegal in competition). His signal went from a 40 to a 67. **John, K9TWV**, wanted to see how much his cap hat helped. When he removed it, his signal dropped from a 38 to a 30 (hmmm...would have lost his second place if he hadn't have had it on). Several others tried different settings, and we all had an excellent morning learning new things and getting ideas for "next year".

There were no surprises this year, and I'm thankful for that. I believe everyone went home smiling, full of new ham antenna ideas, and happy memories of finally meeting that person you've talked to from miles away for years.

It was a great pleasure for me to be able to organize this 4th annual shoot out. A special thanks to **President Bill Martin, WM4SG**, and his family for hosting this memorable eyeball meeting.

And no report is complete without thanking the troops in the background who really make it happen.


Thanks, Guys...

**W4BUR, Joe**. Ran the show down at the transmitting end. Did all the rig in/out and transmitting. Also, kept on Tom's butt via radio to keep things moving along.



**KS9WI, Keith**. Traffic control, Chief Honcho in the staging area. Forced to growl at a few who were anxious and tried to "cut in line".

**NM3U's Harmonic, John (age 12)**. First Class "Arms Up/Arms Down" Signalmen and just getting started in ham radio.

Thanks, Folks. I hope you had as much fun as I did. If you weren't able to attend this year, hopefully you will be able to join us next year in Minnesota. All the best, happy mobilizing, and 73. 

**Respectfully,  
Tom AA1NZ**

Rather than honoring my request for an appeal before the entire Board and the the due process of the opportunity to address that appeal panel and answer any questions they might have, the Executive Committee instead met in a closed teleconference call meeting and decided to uphold the E&E Committee's ruling - apparently ignoring all of the facts presented in my appeal, including the sworn affidavit.

The following day, I received an e-mail from Mr. Imlay containing a letter in .pdf format (<http://home.ptd.net/~wk3c/Stevenson,%20Carl%20Executive%20Committee%20Determination.pdf>) on behalf of the Executive Committee notifying me that they were upholding the ruling of the E&E Committee - however, "the story" changed from "You are ineligible due to a conflict of interest." to "You have no conflict of interest now (and nobody associated with ARRL said or believes that you do) ...and continues that "Article 11, as can be seen from reading it, deals with potentialities (emphasis added), not current circumstances."

I then replied to Mr. Imlay's e-mail on behalf of the Executive Committee with [http://home.ptd.net/~wk3c/req\\_for\\_full\\_BoD\\_appeal.htm](http://home.ptd.net/~wk3c/req_for_full_BoD_appeal.htm)

On September 9th, I received another message from Mr. Imlay stating:

*"Greetings, Carl. The Board of Directors of the ARRL has been asked whether or not it will hear an appeal of the Executive Committee's decision to affirm the determination of the Elections and Ethics Committee that you are not qualified as a candidate for Atlantic Division Director. The Board has determined that it will not hear the appeal.*

*73, Chris Imlay, W3KD  
General Counsel, ARRL*

*cc: Board of Directors"*

After consulting with several attorneys in Connecticut on the practicality of seeking judicial relief from what I believe to be a gross injustice (not only to me, but to the voting members of the Atlantic Division), and finding that the least expensive quote was "At least \$6,000 for starters.", I reluctantly concluded that that level of expense was beyond what I could justify. (Especially in light of my expectation that, if I "won round one," the ARRL "inner circle" with their access to the comparatively unlimited resources of the League, might choose to use those resources to appeal any decision in my favor.)

If, after reading the entire story (by following the links to the “meat”), you find this situation to be even a fraction as outrageous as I do, I encourage you to voice your views to the ARRL Board and Officers.

For your convenience, I am providing a list of the e-mail addresses of all of the ARRL Directors and the Officers who sit on the Executive Committee here:

Bernard Fuller, n3efn@arrl.org

Robert Vallio, w6rgg@arrl.org

Coy Day, n5ok@arrl.org

David Sumner, k1zz@arrl.org

Frank Butler, Jr., w4rh@arrl.org

Francis Fallon, n2ff@arrl.org

George Isely, w9gig@arrl.org

Gregory Milnes, w7oz@arrl.org

John Bellows, Jr., k0qb@arrl.org

Jim Haynie, w5jbp@arrl.org

James Weaver, k8je@arrl.org

Joel Harrison, Sr., w5zn@arrl.org

Richard Norton, n6aa@arrl.org

Richard Roderick, k5ur@arrl.org

Thomas Frenaye, k1ki@arrl.org

Robert Walstrom, w0ej@arrl.org

Warren Morton, ws7w@arrl.org

If you do write them, please “cc:” me at [wk3c@wk3c.com](mailto:wk3c@wk3c.com)

This is about FAR more than “me”...I believe that the larger issues of fair and open ARRL elections, with equal treatment of candidates, and an appeals process with “due process” are the TRULY important issues at play here. —~~

### 73, Carl WK3C

At the Transmitting End of the range, contestants were allowed to choose any vehicle position desired. But, they were required to keep all parts of their system in close proximity yet still remain behind a log that had been designated as the transmit “spot”. When both ends of the range were set up and a shooter was in position, an “arms up” or “transmit now” signal was given from the receiving end of the range. The average reading was recorded, and transmission was ended by “arms down”. This transmit and record procedure was repeated and the readings



N3WD, winner of the shoot-out.

compared to insure they would remain consistent (which all did). It was a tremendous relief and a great personal satisfaction to have the testing and recording equipment perform as expected. Accuracy and repeatability was checked frequently as the contest progressed, and all were satisfied with the performance of the testing equipment.

At Last...The Results which are posted in order of strongest to weakest signals. Type of antenna, type of vehicle, and mount location are also included for comparison of “systems”.

Call	Antenna Type	Vehicle Type	Mount Position	Recorded Signal	2nd Test	3rd Test
N3WD	Tarheel Screwdriver	F150 Pickup	Center Rear Box and high	42		
K0WJ	3 inch Predator	Ram 1500 Pickup	Center Rear Hitch	40		
K9TWW	2 inch Predator	Ford Escape	Driver's Low Rear	38		
N2OCW	Ant A - Hamstick	Ford Explorer	Top Center Roof	36		
WQ1H	Hustler	Mini Van	Center Rear Hitch	25		
N5USH	Hi-Q	Ford Explorer	Driver's Low Rear	22		
N2OCW	Ant B - HS1500 Screwdriver	Ford Explorer	Low Rear	22		
KA8AXY	3 inch Predator	F-250 Pickup	Left Rear Bumper	17		
			engine off		18	
			engine on at angle to Rxer			21
KS9WI	Tarheel Screwdriver	Ram 1500 Pickup	Left Rear	16		
			Diagonal to RXer		19 (allowed as Final Score per rules)	
AF4LD	Hustler	Hyundai Sedan	Trunk Lid	10		
N50HL	Kenwood MA-5	Dodge Mini Van	Left Rear	16		
NM3U	Hustler	Honda Sedan	Rear Low	12		
			Front to RX		12	
			Rear to RX			10
N9KNJ	Hustler Super	S-10 Pickup	Rear Bumper	9		
KB8ESY	Hamstick	PT Cruiser Sedan	Rear Hatch	0 (Oh-Oh) (Rex had some serious problems)		
					3 (Ahhh Duck Tape!) (Allowed as final score)	

*“Shootout” from page 11*

power setting of about 15 watts in order to not overload the lighter plug or drop the vehicle’s battery voltage. We had the rig output fed into a two position antenna switch, and when we set up in each test vehicle, we keyed the rig into a dummy load to verify the power in each test vehicle was the same and would be available to be fed to the test antenna. We then changed the switch position to the other side where the antenna under test was connected and waited for the “transmit” signal.

The Test Receiver was the same loop antenna we have used each year. It was positioned downrange from the transmit location by about 130 feet (about a wavelength at our test frequency). The loop antenna is attached to a metal “handy box” and sits atop a 5 foot mast supported by a tripod. Inside the box is a tuned LC circuit with a voltage picked off across the inductor and feeding a germanium diode bridge rectifier. In order to remain out of the immediate vicinity of the loop, this voltage is fed down a 35 foot shielded wire (about a quarter wavelength on our test frequency). The wire is laid out away from the antenna and run in the same plane as the propagating ground wave. It terminates in a plastic box with connections for a millivoltmeter

The Recording Equipment has also been used at prior shootouts and was a software controlled digital voltmeter. This inverter powered equipment was all set up on the tailgate of AA1NZ’s truck (as well as the fan keeping Tom cool as he sat in his easy chair and recorded the results). It was HOT down there in Georgia at the end of July! The 3 digit millivolt resolution was displayed “full screen” on a laptop so many could observe the results in real time.



## The 3905 Century Club Eyeball Event

The Fourth Annual 3905 Century Club Mobile Antenna Shoot Out was held on 30 JULY, 2005 at Red Top Mountain State Park near Cartersville,

Georgia. Out of the 150 or so registered members and guests, I estimate 50 or so were directly involved or observing the shoot out on Saturday morning. We had 13 competing systems, and 5 of these participants actually had time to re-test or try other configurations. The mixture of recorded scores were spread over quite a range, but the top five winning scores were interestingly close together (see results below).

The Location of the “shooting range” this year will certainly be remembered by most. We had asked for a location away from the crowds and traffic, and that is exactly what President Bill gave us! The test range was a large open parking area back in the woods, about a mile off the main road, and beside the lake (What a beautiful, peaceful spot). I think a few of the “shooters”/observers who temporarily lost their way while trying to find the spot didn’t believe me when I told them to disregard and go around a couple of boulders that had rolled into and were partially blocking the sometimes “one lane” dirt road! But eventually, all found their way and quite a nice crowd developed.



The Test Transmitter was very similar to those used in prior shootouts. Everything including the dummy load, Bird wattmeter, transceiver and antenna switch had been mounted on a felt covered board and could be carried into and removed from each vehicle very quickly. We used an Alinco DX-70 transceiver with a cigar lighter power plug attached and had the rig running on low

*Continued on page 14*

**Upcoming Public Service & Events**

Nov 2 - BARC Business Meeting  
 Nov 16 - BARC Program Meeting  
 Nov 9 - BARC Hamboree Committee Meeting  
 Dec 14 - BARC Hamboree Committee Meeting

# October 2005

**Upcoming Contests**

Nov 5-7 - ♦ November Sweepstakes (CW)  
 Nov 17-18 - ♦ November Sweepstakes (Phone)  
 Dec 2-4 - ♦ 160 Meter Contest  
 Dec 10-11 - ♦ 10 Meter Contest

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>Phases of the Moon</b> 10/03 New Moon 10/10 First Quarter 10/17 Full Moon 10/25 Last Quarter						<b>1</b>
<b>2</b> VE Testing— Registration: 1 p.m. Testing begins: 2 p.m.	<b>3</b>	<b>4</b>	<b>5</b> Business Meeting 7:30 p.m.	<b>6</b>	<b>7</b>	<b>8</b>
<b>9</b>	<b>10</b> Deadline— November Issue of <i>The Modulator</i>	<b>11</b> BRATS Meeting: IRLP (see article on p.5)	<b>12</b>	<b>13</b> lunch with the BARC President: Andy Nelson's BBQ, 11:30 am (see p.5)	<b>14</b>	<b>15</b> PS Event: Baltimore Marathon
<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b> Program Meeting: QSL 7:30 p.m.	<b>20</b>	<b>21</b>	<b>22</b>
<b>23/30</b>	<b>24/31</b> Deadline— Feature Articles for Dec Issue of <i>The Modulator</i>	<b>25</b>	<b>26</b> Hamboree Committee 7:30 p.m.	<b>27</b>	<b>28</b>	<b>29</b>