

Club Repeaters:
Erie:
146.610-
PL 127.3 hz

Waterford:
146.82-
PL 186.2 hz

QUARAE



Volume 4, Issue 10

Web Site: www.raerie.org

October 2005

FCC Suspends Processing of Vanity Callsigns

The FCC's Wireless Telecommunications Bureau (WTB) has suspended the processing of Amateur Radio vanity call sign applications. A WTB staff member, speaking to ARRL on background, said the FCC halted vanity processing on or about September 23 after realizing that filing and regulatory deadline extensions for hurricane-affected licensees in certain states could adversely impact the vanity system. The WTB staffer pointed out that the filing extensions announced this month also apply to Amateur Radio's two-year "grace period."

"Because these extensions apply to the grace period, it could affect vanity processing," the WTB staffer told ARRL. "We stopped processing when it came clear that some call signs could be affected." No decision has been made on when vanity processing will resume.

On September 1, the FCC extended until October 31 all filing and regulatory deadlines falling between August 29 and October 30 for licensees in Mississippi, Alabama and Louisiana affected by Hurricane Katrina. On September 24, it extended until November 21 all filing and regulatory deadlines falling between September 20 and November 20 for licensees in Louisiana and Texas affected by Hurricane Rita.

The WTB staff member emphasized that the FCC intended the deadline extensions to apply only to licensees who have been directly impacted by the storms. "These are not statewide

extensions," the staffer said.

Under Part 97, Amateur Radio licensees have two years from the date of license expiration to renew their tickets without having to retest or risk losing their call signs to a vanity applicant. The staffer confirmed that WTB had disabled the "auto-termination" feature of the Universal Licensing System (ULS) so that it will not automatically cancel licenses that have not been renewed by the end of the grace period.

"We can't assume based on address who might be affected," the staff member explained, "so we're not auto-terminating anything at this point."

In the meantime, the FCC is encouraging radio amateurs to continue filing vanity applications as they normally would. "Everything will be held in queue," the WTB staff member said.--thanks to Dean Gibson, AE7Q, for alerting ARRL to this situation

RAE Club Meeting

Thursday October 6th

at 7 pm

Location: Clubhouse on Wagner Road
of Bargain RD of RT 99

Officers and Contacts — 2005

President

Neil Shea, N3ZNP
twosheas@velocity.net

Vice President

Neil Shea, N3ZNP
twosheas@velocity.net

Treasurer

Frank Graziano, KD3D
kd3dfrank@hotmail.com

Secretary/Newsletter

John Lis, N3NKV
john@jjlis.com

Chairman of the Board

Robert Fuller, N3LBI
n3lbi@adelphia.net

Board Members

Bob LaPlaca, KC2HVX
Ron Prindle, N3BXL
Joe McLain, KB3ALU
Bill Marshall, KB3JSN

Membership Chairmen

Kevin McKenna
kmc5300@yahoo.com

Clubhouse & Repeater Committee Chairman

Steve LaJohn, N3SRD
slajohn@adelphia.net

Volunteer Examiner Coordinator

Rob Jacobs, N3OCL
n3ocl@velocity.net

Webmaster

Bob LaPlaca, KC2HVX
rlaplaca@wasd.iu5.org

ARES/RACES E.C.

Dave Wellman, WX3E
ucdavid@aol.com

SKYWARN E.C.

Steve Lajohn, N3SRD
slajohn@adelphia.net



Upcoming Events

Thurs. - October 6th

General Membership Meeting

Time: 7 pm

Location: RAE Clubhouse on Wagner RD.
which is off of Bargain RD off RT 99

Tues. - October 25th

Board of Directors Meeting

Time: 7 pm

Location: RAE Clubhouse

PA QSO PARTY

October 8th and 9th

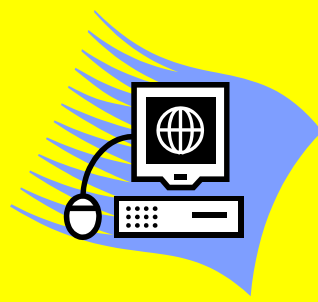
The Radio Association of Erie club station will be up and running for the PA QSO party. **For more details, come to the October club meeting!**

Get the latest PA QSO Party News by joining PA QSO PA PARTY E-mail reflector.

For More Information Visit:

<http://mailman.qth.net/mailman/listinfo/paqso>

WEB SITE UPDATE



The RAE website (www.raerie.org) is presently offline due to problems beyond our control. We hope to be back online by mid October.

General Membership Meeting Minutes

Radio Association of Erie
September 2005 General Meeting Minutes

Board Members Present: N3ZNP, N3NKV,
N3LBI, KB3JSN

Not Present: KB3ALU, N3BXL, KC2HVX

The meeting was called to order at 7:05 pm by
President N3ZNP.

New Calls: None

Silent Keys: Bart Geer W3SN

Treasurer's Report: N3NKV provided the treasurer's report from the last board of director's meeting.

Secretary's Report: N3NKV requested that a motion be made to accept the minutes of the August meeting as printed in the QUARAE. N3LBI made a motion to accept the minutes as printed. Seconded By WB3DOM. Motion Carried

Board of Director's Report: N3LBI gave an overview of the board meeting of 8/23/05. Items discussed included: 61s coverage problems on the eastside of Erie, purchase a new controller for 82, lowering the dues to \$15, Small Games of Chance License, Election committee: N3LBI, N3NKV, KB3JSN, and another member at large. The board positions that are up this year are N3BXL's and KB3ALU's, Christmas Party.

Committee Reports:

Repeater: N3NKV mentioned that the repeater committee wants to purchase a new controller for the 82 repeater due to low audio on the link and the constant problems with the touch tones. NI3Q made a motion that the club purchase the NHRC-5 controller for the 82 Repeater. Seconded by WA1YJZ. Motion Carried

Contesting: N3LBI mentioned that the VHF contesting station still needs some supplies. The items include 500 feet of 9913 coax and 300 feet of rotor wire. WB3DOM made a motion that the

club purchase the coax and rotor wire. Seconded by AD4UL. Motion Carried.

Building: AD4UL mentioned that N3NKV, N3SRD, KC2HVX, and KA3AUH started planning for the VHF contesting station by cutting some of the excess limbs on the trees. Neil mentioned that we may want to start planning which months we want to be at the Red Cross. One idea was 6 months at the RC and 6 at the club house.

Public Service: AD4UL mentioned that the Caring Place Triathlon was coming up on Saturday September 10th and he needed volunteers. He also has the Emergency Communications Magnetic Signs Available for only \$ 15 a set.

Lighthouse Event: AD4UL mentioned that the event went well. He also mentioned club should get a membership in the Amateur Radio Lighthouse Society. It is only \$20.

VE Team: No Report

Membership: KE3V reported that there was no change in the number of members.

Qua Rae- N3NKV mentioned that he is need of newsletter articles.

Christmas Party: N3ZNP contacted Nunzi's and one date that was available was Saturday January 14th, 2006. N3NKV made a motion that we go ahead with this date seconded by WB3DOM. Motion Carried. The menu to be announced later.

ARES: WX3E provided an overview of the airport disaster drill. WX3E also mentioned that Western PA would be participating in the Simulated Emergency Test on Saturday November 5th. KB3JSN mentioned that the second ARES/RACES/SKYWARN Picnic was held in late August at Glenwood.

Continued on Page 4

General Membership Meeting Minutes continued

A Motion to Adjourn at 8:10 was made by Dick NI3Q and Seconded by KB3JSN.

The winner of the 50/50 drawing for \$16.50 was Jerry W2FD.

Speaker for the meeting was Bill Edgar N3LLR

Respectfully Submitted,

John Lis
N3NKV

Radio Association of Erie
Secretary



L TO R K3SBU BOB, N3VHV ANNE, KA3VXP LIBBY, KZ3C JIM RECENTLY ENJOYED A TRIP THE GENERAL JACKSON STEAMBOAT LANDING IN NASHVILLE, TENN.

Public Service Update

The final Public Service Event for the year took place on Saturday, September 10 at Presque Isle State Park. There were approximately 350 participants in the three events, no mishaps, we had great weather and a good bunch of operators to keep an eye on things.

I would like to THANK the following operators for taking time out of there Saturday to help with a successful, fund raising event: Bob N3LBI, Ron WB3DOM, Dianne K3LD, Ron N3BXL, Gerry K3GJK, Bill KB3JSN, Matt KB3CAT, John N3NKV, Jim KZ3C. Also, I had three folks volunteer Saturday morning to help (it pays to use our .61 repeater), so a big THANKS to them as well: Ott N3PTA, Dave KA3AUH and Mike KB3HID.

Pat Davis, the event coordinator asked me to be sure and thank all the operators for their assistance in both this event and the Edinboro Triathlon and she is already looking forward to working with us next year.

So that is it for Public Service this year and I would once again like to say " THANK YOU" to all the operators who helped out this summer on behalf of the event coordinators and myself.

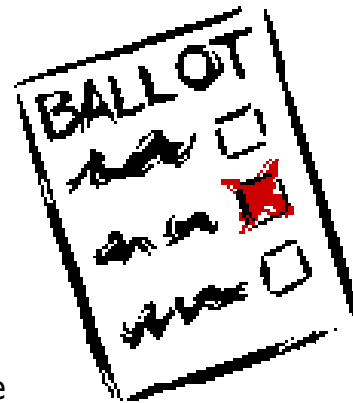
73,

Doug AD4UL



RAE 2006 Elections

Election Season is here. We keep our elections simple. No hanging chads nor do we have to worry about the new touch screen voting machines breaking down. If you are interested in becoming part of the RAE Leadership Team, it is really simple.



Nominations should be submitted to a member of the election committee using the nomination form below. Members of the election committee are: Bob Fuller N3LBI, John Lis N3NKV, and Bill Marshall KB3JSN. At the October General meeting, additional nominations will be taken from the floor. After the October meeting is adjourned, no additional nominations will be accepted. At the November General meeting, elections will be conducted by the Election Committee.

The offices up for election are: Business Officers: (President, Vice-President, Treasurer and Secretary) 1 Yr Term

Directors: Two Directors

**2006 NOMINATION FORM FOR CANDIDATES FOR OFFICE
IN THE RADIO ASSOCIATION of ERIE**

Office:	Nominee
President	_____
Vice President	_____
Secretary	_____
Treasurer	_____
Board of Directors	_____
Board of Directors	_____

Requires signature of 2 active or life members

Washing Machine RFI - - A Tidal Wave

By Leigh L. Klotz, Jr. WA5ZNU

My wife and I have a Whirlpool Duet washer and dryer. The RF noise that the washer makes is terrible. I used my Elecraft KX1 and a clip lead antenna for finding where the noise was strongest. It all comes from the front control panel, which is plastic. Little comes from the power cord. I also found tremendous noise used on AM and FM broadcast radios in the house.

I posted a message to an RFI mailing list, and found a few other people with similar problems, using Gibson and Maytag Neptune brands.

The Gibson washer was quieted by an AC line filter, but nothing has helped the Whirlpool Duet or Maytag Neptune. It appears that the noise comes from the control panel and the variable-frequency AC motor circuits.

I asked Whirlpool for their Part 15 certification, and found out by reading the regulations that they don't have to have a certification number for computer and control circuits in appliances.

While these front-loading, computer-controlled washing machines are on the higher end of the price range right now, it is my belief that this new generation of washers is going to produce noise on a tremendous scale as consumers begin to demand them and prices come down. I believe that the manufacturers are exploiting a loophole in Part 15, and one that isn't even mentioned in the ARRL's Part 15 page.

Sec. 15.103 Exempted devices.

The following devices are subject only to the general conditions of operation in Sec. 15.5 and 15.29 and are exempt from the specific technical standards and other requirements contained in this part. The operator of the exempted device shall be required to stop operating the device upon a finding by the Commission or its representative that the device is causing harmful interference. Operation shall not resume until the condition causing the harmful interference has been corrected. Although not mandatory, it is strongly recommended that the manufacturer of an exempted device endeavor to have the device meet the specific technical standards in this part.

(d) A digital device utilized exclusively in an appliance, e.g., microwave oven, dishwasher, clothes dryer, air conditioner (central or window), etc.

So, in summary, I believe that we are headed for an onslaught of RFI from washing machines.

Here are the details for my Whirlpool Duet.

- When it's off, there's still broadband noise coming from the switching power supply. It seems to be radiated through the front panel. It also makes discrete noise that I can hear 4 feet away on an FM broadcast radio, even when the unit is off.
- When it's on and the motor is running, it makes a tremendous racket, about every 17 KHz, with bands of noise. This noise too seems to radiate most strongly from the front panel.
- There is to be some broad noise during operation, but the strongest most of the noise is concentrated in at intervals. One set of noises repeats as follows, during spinning and some times filling: 14.005 14.022 14.03750 14.053 14.070 14.085 14.10250 14.11750 14.13250 14.18250 14.19750. Another weird, different noise was at 7.57760

Whirlpool has sent me a new motor and control unit to install and see if the problem is particular to my unit, but they said there were no hardware changes in the parts at all. Unfortunately I've been unable to this because the washer is now in storage during construction work, and I'm trying to decide whether to get a new washer.

Spectrum Images

The images on Page 7 are waterfall images from my PSK program connected to two different receivers. Note that the band starts out quiet, with weak PSK signals present, and then gets a broad noise, followed by discrete bands of "carriers" at multiple frequencies, which then shift and move, and finally stop.

Continued on Pages 7

K2 Images

- This image shows operation just before the washer started. 7.030-k2-clear:



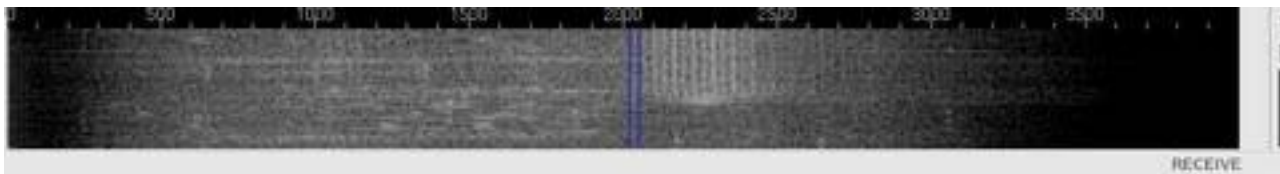
- This shows the noise of the washer starting, fairly quiet before any mechanical action. 7.030-k2-washer-starting:



- This shows the washer rotating, on a different frequency that is subject to noise. It's fairly broad at this point. 14.070-k2-washer-start-rotating:



- This is a weird noise (to the right of the blue lines). To the left is foreign SSB transmissions. 7.05775-817-washer-spinning3:



This shows that the noise stops when the rotating stops; notice how the weak PSK signal becomes visible around 1150Hz offset. 14.070-k2-washer-stop-rotating:



Swap and Shop

From the Estate of KA3EZL Len Czajkowski:

Johnson Low Pass Filter= \$20.00; Vista XXR 15 Amp.-12 Volt Power Supply= \$30.00 No Reasonable offer refused. Call Bob -K3SBU at 814-899-2107 or E-mail—k3sbu-1@juno.com

Channel Master Antenna Rotator Model 9537, for light weight antenna, digital control and display. Includes about 50 ft control cable. Like new \$35. Also Roof Tripod, 5 feet high, \$10. Bob N3FAW, 866-3027, bob-n3faw@verizon.net

Radio Association of Erie

P.O. Box 844

Erie, Pa 16512

Cape Verde D4B contest station Now QRT

Al Teimurazov, D4B/4L5A, announced this week the closing of the [D4B contest station](#) on Monte Verde, Mindelo, Cape Verde Islands. "I have achieved, and in some cases exceeded, all my goals that I set out to do from D4," Teimurazov said in a farewell statement. "I am proud and honored to have played an active part in the ham radio contest community for the past few years. I appreciate all the help and advice I received from everyone, and I hope I could mean something to the people that knocked on my door for help and advice. By sharing information and helping each other ham radio contesting participation will grow every year and become more and more competitive, which is a good thing." Teimurazov said it had been his dream since the 1970s to set up a competitive contest station from a place like Cabo Verde, "and I am glad to say I have been able to live that dream today. I wish each and every one of us can experience such a dream one day." Teimurazov said he understands that his announcement raises more questions than it answers, but after "reviewing everything," he decided to shut down D4B. He pledged to stay in contact with his friends and to follow contesting closely, even if he's not active himself from D4B or anywhere else. "Good health to each and everyone of you and thanks again for all the contacts during the many contests," he concluded. "I appreciated the calls, and every QSO was like a new friend I made. Thank you."