The QUARAE

Volume 14, Issue 1 January 2013

President Remarks.

I hope everyone had a great Christmas and got all the gifts they were looking for, new radios, antennas, rotors, etc. I am looking forward to 2013 for the sake of the RAE. At the last meeting some great ideas for improvements to the club equipment and the clubhouse were presented to the membership. They seemed to be well received by the members present so I am looking forward to getting things done. We are still looking for any other suggestions or projects that may come to mind and I ask that they be documented with any costs associated and presented at the club meetings. At the last meeting it was asked that we look at the projects presented and prioritize them and decide which projects will get done and when they will be completed.

Another event that was discussed some was the Admiral Perry/Battle of Lake Erie events coming up this summer. I would like to see the RAE get involved with a special event station set up down on the Bayfront. It may give the club a little more visibility and generate some interest in Amateur Radio. I know the tall ships are coming to Erie for the celebrations in September so that may be the best time to do the event. If anyone has any suggestions along this line please let us know.

I am writing this message on December 26 and have been following the nasty weather reports on the Internet and also on 40M from Dave KB3FXI in Pittsburgh using NBEMS. Sounded like they were getting sleet down there, not too much snow. I hope ya'll up in Erie don't get beat up too bad.

So once again HAPPY NEW YEAR and let's make 2013 a great year for the RAE and it' members.

73, Doug AD4UL

Radio Association of Erie 2013 Membership Dues are now due. 2013 Dues are $15.00.

Send to: Radio Association of Erie, P.O. Box 8931, Erie Pa. 16505

Radio Association of Erie Club Meeting – No Meeting in January.

Christmas Party
January 12, 2013
Old Station One,
Harborcreek

November Board Meeting Minutes

A board meeting of the Radio Association of Erie was held on November 29, 2012 at the Erie Chapter of the Red Cross. In attendance were AD4UL via skype N3SRF WB3IFD KB3NAT WB3DOM K3PLV & KB3THU. Absent were N3BXL & KA3UTD. Guests included WA3MKT & KB3DPM.

Meeting was opened by AD4UL at 1900.

First order of business was the dues. A motion was made by WB3DOM to keep them at the current rate of $15.00 for the primary member. It was seconded, carried, motion passed.

N3SRF gave his review of the finances for November. The budget was reviewed and the new budget proposed for 2013. Motion made by K3PLV to approve the 2013 budget as proposed. It was seconded, carried, motion passed.

Motion by N3SRF to have AD4UL buy 10 pair of the magnetic signs for members to purchase. It was seconded, carried, motion approved.

Presentation at the regular meeting will be by Ron Prindle about equipment grounding.

Repeater- 82 noise has been a problem, members have plans on heading out and fixing it.

Website- interest has been shown from another member to be a webmaster. More info will follow.

KB3DPM showed interest in the Mosely TA-33 from Cecil Wiltshire's estate. Motion made by N3SRF to sell the antenna to KB3DPM for the amount of $100.00. It was seconded, carried, motion passed.

Plans were made to gather the antennas at the clubhouse and see what was in inventory.

Paperwork for the proposed spending was to be subject in the regular meeting.

Discussion on a 501(3)C tax status.

Meeting adjourned at 2010

Silent Key

Bruce Sawtelle, W3NJ (ex-WA3PUI), passed away Tuesday, December 4, 2012 in his home in Austin, Texas from an extended illness at the tender age of 58. First licensed in the early 70's, Bruce was very active in community service through Amateur Radio. He was affiliated with RACES, Air Force MARS, ARES, FEMA, Skywarn, and was an ARRL VEC. He held the Amateur Extra Class License, spent a lot of time actively pursuing DX, with 4BDXCC pins for CW, Phone, Digital, and RTTY, and earned an ARRL Code Proficiency award for 35 WPM. Known by his close friends as "Mr. Technology," Bruce was always experimenting with new technology. He will be missed by all who knew him! Steve Miller. WA3JJT.

Christmas Party Takes Place on Saturday, January 12, 2013

The hot buffet menu is Sliced Roast Beef, Baked Boneless Chicken, Buttered Paisley Potatoes, Rigatoni, Green Beans, Rolls, Butter, Jell-O Salad, Relish Tray, Salad and Three Dressings. To drink we have pop, water, coffee, and cash bar. Dinner is at 6 PM.

Located at Old Station One, South side of Route 20 across from used car lot, in Harborcreek. Parking on the west side and behind the building. Use the rear entrance. Cost per

person is $18.00. For reservations, call Bob Fuller at 814-898-1115 or email n3lbi@roadrunner.com

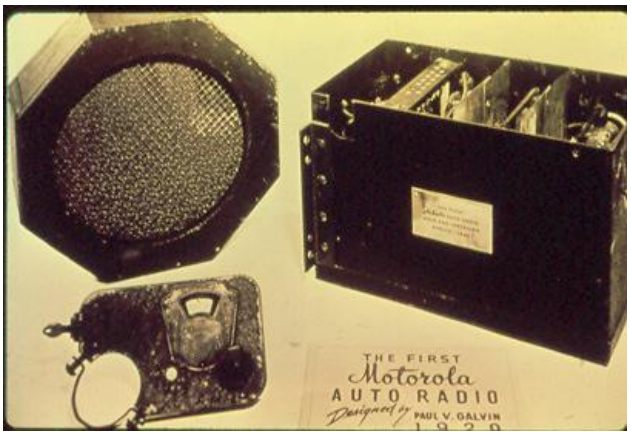
HISTORY OF THE CAR RADIO

Seems like cars have always had radios, but they didn't. Here's the true story:

One evening, in 1929, two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River town of Quincy , Illinois , to watch the sunset. It was a romantic night to be sure, but one of the women observed that it would be even nicer if they could listen to music in the car.

Lear and Wavering liked the idea. Both men had tinkered with radios (Lear had served as a radio operator in the U.S. Navy during World War I) and it wasn't long before they were taking apart a home radio and trying to get it to work in a car. But it wasn't as easy as it sounds: automobiles have ignition switches, generators, spark plugs, and other electrical equipment that generate noisy static interference, making it nearly impossible to listen to the radio when the engine was running. One by one, Lear and Wavering identified and eliminated each source of electrical interference. When they finally got their radio to work, they took it to a radio convention in Chicago. There they met Paul Galvin, owner of Galvin Manufacturing Corporation. He made a product called a "battery eliminator" a device that allowed battery-powered radios to run on household AC current. But as more homes were wired for electricity more radio manufacturers made AC-powered radios.

Galvin needed a new product to manufacture. When he met Lear and Wavering at the radio convention, he found it. He believed that mass-produced, affordable car radios had the potential to become a huge business.



Lear and Wavering set up shop in Galvin's factory, and when they perfected their first radio, they installed it in his Studebaker. Then Galvin went to a local banker to apply for a loan.

Thinking it might sweeten the deal, he had his men install a radio in the banker's Packard. Good idea, but it didn't work -- Half an hour after the installation, the banker's Packard caught on fire. (They didn't get the loan.)

Galvin didn't give up. He drove his Studebaker nearly 800 miles to Atlantic City to show off the radio at the 1930 Radio Manufacturers Association convention.

Too broke to afford a booth, he parked the car outside the convention hall and cranked up the radio so that passing conventioneers could hear it. That idea worked -- He got enough orders to put the radio into production.

WHAT'S IN A NAME

that first production model was called the 5T71. Galvin decided he needed to come up with something a little catchier.

In those days many companies in the phonograph and radio businesses used the suffix "ola" for their names - Radiola, Columbiola, and Victrola were three of the biggest. Galvin decided to do the same thing, and since his radio was intended for use in a motor vehicle, he decided to call it the Motorola.

But even with the name change, the radio still

had problems: When Motorola went on sale in 1930, it cost about $110 uninstalled, at a time when you could buy a brand-new car for $650, and the country was sliding into the Great Depression. (By that measure, a radio for a new car would cost about $3,000 today.)
In 1930 it took two men several days to put in a car radio -- The dashboard had to be taken apart so that the receiver and a single speaker could be installed, and the ceiling had to be cut open to install the antenna. These early radios ran on their own batteries, not on the car battery, so holes had to be cut into the floorboard to accommodate them.
The installation manual had eight complete diagrams and 28 pages of instructions.
Selling complicated car radios that cost 20 percent of the price of a brand-new car wouldn't have been easy in the best of times, let alone during the Great Depression --
Galvin lost money in 1930 and struggled for a couple of years after that. But things picked up in 1933 when Ford began offering Motorola's pre-installed at the factory.
In 1934 they got another boost when Galvin struck a deal with B.F. Goodrich tire company to sell and install them in its chain of tire stores. By then the price of the radio, installation included, had dropped to $55. The Motorola car radio was off and running.
(The name of the company would be officially changed from Galvin Manufacturing to "Motorola" in 1947.)
In the meantime, Galvin continued to develop new uses for car radios.
In 1936, the same year that it introduced push-button tuning, it also introduced the Motorola Police Cruiser, a standard car radio that was factory preset to a single frequency to pick up police broadcasts.
In 1940 he developed with the first handheld two-way radio -- The Handie-Talkie -- for the U. S. Army.

A lot of the communications technologies that we take for granted today were born in Motorola labs in the years that followed World War II. In 1947 they came out with the first television to sell under $200.
In 1956 the company introduced the world's first pager; in 1969 it supplied the radio and television equipment that was used to televise Neil Armstrong's first steps on the Moon.
In 1973 it invented the world's first handheld cellular phone.
Today Motorola is one of the largest cell phone manufacturers in the world -- And it all started with the car radio.

WHATEVER HAPPENED TO The two men who installed the first radio in Paul Galvin's car, Elmer Wavering and William Lear, ended up taking very different paths in life.
Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again when he developed the first automotive alternator, replacing inefficient and unreliable generators.
The invention lead to such luxuries as power windows, power seats, and, eventually, air-conditioning.

Lear also continued inventing. He holds more than 150 patents. Remember eight-track tape players? Lear invented that. But what he's really famous for are his contributions to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot, designed the first fully automatic aircraft landing system, and in 1963 introduced his most famous invention of all, the Lear Jet, the world's first mass-produced, affordable business jet. (Not bad for a guy who dropped out of school after the eighth grade.)

Sometimes it is fun to find out how some of the many things that we take for granted actually came into being! and It all started with a woman's suggestion!

Found by Doug on the Internet

Club Projects

Below is a list of club project proposals that members have brought in writing to the December meeting. Each proposal has a number. Please prioritize them and list your approval or disapproval on each. Comments are expected.

Project #1. Repair of Water System at Club house. Water pumps runs with no demand for water. No water in tank and pump was running. Possible cause; water intake line broken or bad foot valve. Estimated cost is $500.00

Project #2. Repair outside of Club House. Repair cracks in outside walls where water is seeping into building. Paint where necessary. Repair of all outside doors that are rusted allowing water and critters easy access to building. Outside steps need removed or repaired. Estimated cost is $1500.00.

Project #3. Ground Antenna Cabinet. Outside antennas are terminated at cabinet and it is not grounded. A #6 ground wire needed attached. Estimated cost is $120.00

Project #4. Provide lightning protection for radios. Add a coax breaker for each radio in case it is not disconnected from outside antenna. Estimated cost is $300.00

Project #5. Provide headsets for each radio. Provide good quality headsets that are comfortable and reduce interference from other radios or conversations. Estimated cost is $320.00

Project #6. Provide Signal ink for TS2000 radio. Provide a Tigertronics Signalink and matching cable for FLDIGI and other digital modes. Estimated cost is $120.00

Project #7. Provide an 8 ft. Banquet table for meeting room. Table to be used for meetings and training.

Project #8. Provide a handheld radio to be chanced off at the July meeting to all 2013 registered members. This will help membership renewals or new members. Estimated cost is $200.00

Project #9. Establish a Club Picnic Fund for 2013. The club should have a club picnic to show our families the club house and facilities. Club to provide meats and condiments for Picnic. Estimated cost is $200.00

Project #10. Provide funds to set up booth at Niagara 2013 Flagship Festival. Estimate cost is $300.00

Project #11. Re-Key Clubhouse outside and inside doors. Not knowing who has keys to the club house, re-keying and controlled distribution of keys are required to keep club house secure. Only known key is held by the president. Estimate cost is $40.00

Project #12. Buy CW Keys for all radios. Estimated cost is $400.00

Project #13. Install 2 element 40 meter beam on top of tower. Repair Antenna. Buy rotor and control. Install Cabling and Coax. Fabricate base and thrust bearing. Hire Crane to install antenna. Estimate cost is $1,775.00.

Project #14. Replace 3 element with 7 element tribander on west side of club house. Repair antenna. Trim trees around clubhouse for antenna clearance. Buy new rotor and control Cabling and coax. Installation. Estimated cost is 1,500.00

Project #15. Provide a full legal power no tune amplifier for clubhouse for contesting. Estimate cost is $3,000.00.

Ham Radio Calendar

Jan 5 - PODXS 070 Club PSK fest.
http://www.podxs070.com/pskfest

Jan 5 - ARRL RTTY Roundup
http://www.arrl.org/rtty-roundup

Jan 12 – Radio Association of Erie Christmas Dinner at Old Station One, 6pm. South side RT.20, Across from used car lot, in Harborcreek Paring on the west side and behind the building. Use the rear entrance. Cost per person $18.00

Jan 12 - North American QSO Party, CW
http://www.ncjweb.com/naqprules.php

Jan 19 – VE Exams Wattsburg Wireless Association.

Jan 19 - North American QSO Party, SSB
http://www.ncjweb.com/naqprules.php

Jan 21 – Martin Luther King Day

Jan 26 – Lockport Hamfest

Feb 2 – Ground Hog Day