

CHARGE!

Your first batteries were probably carbon zinc one-time-only pieces that could not be re-charged. They had a finite lifetime before replacement was necessary.

Next, you may have used alkaline batteries. Like the carbon zincs, they had a one-time-only life. However, they lasted longer than the carbon zincs.

Not as obvious to us, were the lead acid batteries common in cars. They were rechargeable. In fact, they could go through hundreds of recharging cycles before they bit the dust. However, they were heavy and cumbersome for portable use. If only a smaller version existed.

The smaller version probably first appeared as the nickel-cadmium battery. They could be re-charged. However, disposal of lifeless nickel-cadmium batteries was viewed as difficult, as the materials in those batteries were considered toxic waste.

Improvements were discovered. The nickel-cadmiums were replaced by nickel-metal hydride batteries, better performers and not as dangerous to the environment.

More and more improved batteries came along. A notable version was the lithium-ion battery. It had a large recycle lifetime. However, some of those batteries had a tendency to swell, over their lifetime, deforming the radio cases that held them.

News picked up on the fact that many Galaxy Note 7 cell phones were exploding. In many cases, severe injuries, deaths, or significant fires were caused by these lithium-ion batteries.

The latest type of battery on the market is the lithium-iron phosphate.

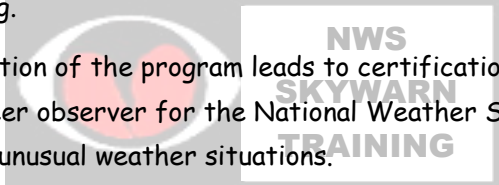
Join us at the March 2nd meeting, as **Paul Blachowski, WA2DII**, leads a discussion about this new item.



STARS 2017 GOALS	
Participate in Field Day.	●
Participate in NYS QSO Party.	●
Conduct fundraising events.	●
Acquire new equipment.	●
Attend mini-maker faire(s).	●
Conduct club build project(s).	●
Install three yagi antennas.	●
Present 4 monthly programs.	●
Conduct training on club equipment.	●
Conduct General & Extra Classes.	●
Install satellite antennas.	●
Maintain repeater systems.	●

STARS TO HOST NWS SKYWARN TRAINING

STARS will host the National Weather Service's presentation of SKYWARN training at the May 4th meeting.



Completion of the program leads to certification as a volunteer observer for the National Weather Service, during unusual weather situations.

FIRST AID!

A First Aid kit had been added to our radio shack at 2982 Lakeview Road. It hangs on the south wall of the north room, just to the right of the white board.

Its keyhole mounts hang on two screws. To take the kit off the wall, lift it up from the bottom, until the screw heads clear through the keyhole circles.

To open the kit, you must "unlock" it. This is done by sliding the locks on both sides of the handle toward their closest corner. Then the top of the case can be opened. The picture shows such a case. However, locks in the picture appear in red while the kit in the clubhouse has black locks.



Thank you to the **Al Mitzo, WA2TTT**, for securing the kit and arranging its mounting in the clubhouse.



NWS SKYWARN TRAINING

Upcoming training is listed in the table below. For more information, and to register for a training session, use this link:

<http://www.weather.gov/buf/Skywarn> or jon.hitchcock@noaa.gov

DATE	COUNTY	LOCATION	ADDRESS	SPONSOR
Wednesday 3/1/2017 7 PM	Erie	Bertrand Chaffee Hospital Cafeteria	224 East Main St Springville, NY 14141	PROS Amateur Radio Club

TIME CHANGE COMING

On March 12th, at 2 AM, Daylight Saving Time will go into effect. That means clocks should be moved ahead one hour, to 3 AM. (Most people do this before going to bed on Saturday, March 11th.)

Once in effect, Eastern time will change from five to four hours behind UTC (or "Z") time.



TECH CLASS COMING

EMPact America, in cooperation with **STARS**, will be offering a technician class, beginning in May. Final details are not yet available, regarding specific dates, times, or location.

Traditionally, these classes have taken place in East Aurora or West Seneca on Wednesdays.

As final details become available, we will provide that information.

Under the direction of **Robert Koster, KA2WYE**, past classes have produced many new amateur radio operators.

CLOSINGS ON WIVB

Should poor weather cause any scheduled **STARS** activity to be cancelled, the closing message will found on WIVB Channel 4 Buffalo.

If multiple closings exist, WIVB will not include all closings on the television broadcasts; however ALL closings will appear on their website:

www.wivb.com/closings/

SUPER BOWL POOL WINNERS

1st qtr:	Chuck	(John, KA2RFT)
Half:	Michelle Davis	(Don, K2PMC)
3rd qtr:	Cindy W.	(Don, K2PMC)
Final:	Paul B.	(Paul, WA2DII)

Prizes are: 1st quarter, \$100; half, \$300; 3rd quarter, \$100; & final, \$500.

AMATEUR OPERATORS NEEDED

Every year, several events take place where amateur radio operators provide the necessary communications for successful outcomes. In this area, those events include the Tour de Cure (for diabetes), Ride for Roswell (cancer treatment), and the MS Bike-athon (for multiple sclerosis).

The amateur radio operations are conducted under the auspices of the **Erie County ARES/RACES** team. They coordinate communications for event check-points, route patrols, sweep vehicles, participant assistance units, and other functions. They welcome assistance from all amateurs.

If you would like to participate in this activity, get in touch with the ARES/RACES team. The best way to do this is by attending one of their meetings. They take place on the second Monday of each month, at 7:30 PM, at the Erie County Fire Training Academy, 3359 Broadway (just east of Union Road), Cheektowaga.

You can also check out the ARES/RACES website at:

<http://ecar.wnyserv.com/>

Your assistance would be appreciated!

REFLECTIONS... (Items from past *Telstar* issues)

This is the October 1972 Telstar. It describes the rousing success of the first Hamburg International Hamfest. Based on its success, plans are mentioned for a second Hamburg International Hamfest in 1973. Subsequent issues of Telstar indicate that this was continued for several more years. STARS was the lead organization in this multi-club event.

The South Towns Amateur Radio Society meets on the first Monday of each month, at the Civil Air patrol building, at the Hamburg Recreation Center (Mike Here)

Well it's all over, including the shorting. The Hamburg International Hamfest was a ringing success. THANKS to a lot of hams, from a lot of clubs. I want single out any particular club, but you know who they are.

Did ya see the news on channel 2, the night of the Hamfest? Pretty good, huh?

Did ya see the Courier Express the next morning, a picture even. The first annual Hamburg International Hamfest is now history. It went off better than everyone expected. There was coverage by T.V. and also the news paper. They both told about the Hamfest and mentioned the skill the local hams played in the flood emergency in the Southern Tier.

To put the paper out without mentioning two very special people, a special note of thanks to those two wonderful gals Val & Lin. Valerie K... was chairman of the Hamfest and she really put her heart into it. Lin, WB2HCL contributed greatly too.

You know 73 is a well known ham expression, just wait till the year 1973.

FOR SALE:

Helicopter HP-40 XMHR with 4 seats \$40.00
WA2PIN Paul Uhlman 649-5621

WANTED: bits of news for the newsletter.

WANTED: a typewriter with less mistakes on it than this one;

NOTICE: MEETING THURSDAY 8th October
see you there

73
Hay WB2HCL



Have you ever considered becoming a

Amateur Radio

Operator

(Ham Radio)

It is Easier than you Think

(NO Morse Code Required)

There will be a six week Technician Class

Held at the Little Valley Fire Hall at

101 Third Street in Little Valley

Starting March 5th

Text: Gordon West Technician Class Study Guide 2014-2018

Class Dates March 5, 12, 19 & 26 April 2 & 9

Class Time 1:00pm to 4:00pm

For More Information or to pre-register please call Mike, N2WKT at (716) 479-4101 or
Hvler AA2OK at (716) 945 2055.



A FREE Exam Session will be held on the
16th of April at 3:00pm to finish course.
The Exam Session will be Open to the Public

*This course is being Hosted by the
Little Valley Fire Department
Amateur Radio Club
Using W5YI Materials and
testing through the
Laurel Amateur Radio Club
Volunteer Examiner Team*

Hamvention® 2017

sponsored by Dayton Amateur Radio Association since 1952

Same Friends, New Home!

Greene County Fairground & Expo Center, 120 Fairground Road, Xenia, Ohio 45385
May 19, 20 and 21, 2017



- Indoor exhibits and meeting areas featuring Amateur Radio manufacturers, equipment dealers, radio clubs, forums, and more!
- Buy your Tickets, Flea Market, and Inside Exhibit spaces online
- Onsite and ADA parking
- Convenient to Dayton (15 miles), Cincinnati (46 miles), and Columbus (53 miles)
- Find lodging and restaurants at www.greenecountyohio.org
- Bring your family: National Museum of the USAF, great shopping, arts & entertainment

www.hamvention.org



ARRL EXPO 2017

Your Hamvention® admission includes entry to ARRL EXPO




Program Highlights

- Special Exhibits and Guests
- ARRL Bookstore
- Presentations
- DXCC Card Checking
- Join or renew with ARRL – and receive a FREE GIFT



The national association for
ARRL AMATEUR RADIO®
www.arrl.org/expo

EXAM SITES


03/01/2017 [Springville](#) 
 Sponsor: CCARET
 Location: Bertrand Chaffee Hospital Board Room
 222-East Main Street
 Contact: Ray Feness 716-289-0612
 Time: 7:30 PM (Walk-ins allowed)

03/04/2017 [Jamestown](#)
 Sponsor: CARSC
 Location: Prendergast Library
 509 Cherry Street 2nd fl conf rm
 Contact: Russell D. Trippy (716) 489-4279
 Time: 2:00 PM (Walk-ins allowed)

03/04/2017 [North Tonawanda](#)
 Sponsor: ARA of the Tonawandas
 Location: North Tonawanda Fire Headquarters
 495 Zimmerman Street - Training Rm
 Contact: William F. Klepser (716) 839-3525
 Time: 10:00 AM (Registration preferred)


03/08/2017 [Canandaigua](#) 
 Sponsor: SQUAW Island ARC
 Location: Ontario Co. Safety Training Facility
 2914 County Road 48
 Contact: David Foster (585) 727-5868
 Time: 6:30 PM (Walk-ins allowed)

03/14/2017 [Niagara Falls](#)
 Sponsor: Niagara Radio Club, Inc.
 Location: Venture Forthe, Inc.
 3900 Packard Road
 Contact: Darren Wade Robbins (716) 478-9663
 Time: 6:30 PM (Walk-ins allowed)

03/18/2017 [Hamburg](#) 
 Sponsor: **STARS**
 Location: Hamburg Youth Center
 200 Prospect Avenue
 Contact: Thomas J. Dean (716) 826-1487
 Time: 9:00 AM (Walk-ins allowed)

3/26/2017 [Little Valley](#) 
 Sponsor: Little Valley Vol Fire Dept
 Location: Little Valley Fire Hall
 101 Third St - 2nd fl Banquet Hall
 Contact: Mike Johnson (716) 479-4101
 Time: 4:00 PM (Walk-ins allowed)

03/28/2017 [Lancaster](#)
 Sponsor: Lancaster ARC
 Location: Lancaster ARC- Club House Building
 525 Pavement Road
 Contact: John H. Maxwell (716) 404-9256
 Time: 7:00 PM (Walk-ins allowed)

 - Free; no charge for examination

TESTING NEEDS

- Legal photo ID (a driver's license is excellent!)
- Current license and/or CSCE documents, if any, and a non-returnable photocopy of each
- Federal Registration Number (FRN); if none, then Social Security Number (SSN)
- \$15 in cash, check or money order
- Two #2 pencils with erasers, and a pen
- Calculators are permitted as long as any programming has been cleared.

[\(more info\)](#)

CONTEST CALENDAR



Start and Finish

Contest Title

Sponsor's Website

Weds 0230Z-0300Z	Phone Fray	www.perluma.com/Phone_Fray_Contest_Rules.pdf
Weds 1300Z - See web	CW Ops Weekly Mini-CWT Tests	www.cwops.org/cwt.html
Wed & Fri 0200Z - 0329Z	QRP Fox Hunt (before 3/11/17)	www.grpfoxhunt.org/winter_rules.htm
Wed & Fri 0100Z - 0229Z	QRP Fox Hunt (after 3/11/17)	www.grpfoxhunt.org/winter_rules.htm
Fridays, 0145Z - 0215Z	NS Weekly RTTY Sprint	www.ncccsprint.com
Fridays, 0230Z - 0300Z	NS Weekly Sprint	www.ncccsprint.com
Mar 1, 2000Z - Mar 1, 2100Z	UKEICC 80-Meter Contest	www.ukeicc.com
Mar 2, 1800Z - Mar 2, 2200Z	NRAU 10-Meter Activity Contest	www.nrau.net/activity-contests
Mar 4, 0000Z - Mar 5, 2359Z	ARRL International DX Contest, SSB	www.arrl.org/arrl-dx
Mar 4, 0600Z - Mar 4, 0800Z	Wake-Up! QRP Sprint	grp.ru/contest/wakeup
Mar 4, 1800Z - Mar 5, 1359Z	Open Ukraine RTTY Championship	uarl.com.ua/
Mar 5, 0700Z - Mar 5, 1100Z	UBA Spring Contest, CW	uba.be/en/hf/contest-rules
Mar 5, 1100Z - Mar 5, 1700Z	DARC, 10-Meter Digital Contest	www.darc.de
Mar 5, 1200Z - Mar 5, 1400Z	SARL Hamnet 40-Meter Simulated Emergency	www.sarl.org.za
Mar 5, 1200Z - Mar 5, 2200Z	NSARA Contest	nsara.ve1cfy.net/?page_id=82
Mar 6, 2000Z - Mar 6, 2130Z	RSGB 80-Meter Club Championship, Data	www.rsgbcc.org/hf
Mar 7, 0200Z - Mar 7, 0400Z	ARS Spartan Sprint	arsqrp.blogspot.com
Mar 7, 1900Z - Mar 7, 2100Z	AGCW YL-CW Party	www.agcw.org
Mar 8, 2300Z - Mar 12, 2300Z	AWA John Rollins DX Memorial	www.antiquewireless.org
Mar 11, 0800Z - Mar 11, 1359Z	Nauryz DX Contest	www.nauryz-dx-contest.com
Mar 11, 1000Z - Mar 12, 1000Z	SARL VHF/UHF Analogue/Digital Contest	www.sarl.org.za
Mar 11, 1000Z - Mar 12, 1000Z	RSGB Commonwealth Contest	www.rsgbcc.org/hf
Mar 11, 1200Z - Mar 12, 1200Z	F9AA Cup, SSB	www.site.urc.asso.fr
Mar 11, 1200Z - Mar 12, 1200Z	South America 10-Meter Contest	sa10m.com.ar
Mar 11, 1200Z - Mar 12, 2359Z	SKCC Weekend Sprintathon	www.skccgroup.com
Mar 11, 1400Z - Mar 11, 2000Z	AGCW QRP Contest	www.agcw.org
Mar 11, 1400Z - Mar 12, 2000Z	Oklahoma QSO Party	k5cm.com/okqp.htm
Mar 11, 1500Z - Mar 12, 1500Z	Stew Perry Topband Challenge	www.kkn.net/stew
Mar 11, 1600Z - Mar 12, 1600Z	EA PSK63 Contest	concursos.ure.es/en
Mar 11, 1800Z - Mar 12, 1800Z	QCWA QSO Party	www.qcwa.org
Mar 11, 1800Z - Mar 13, 0559Z	TESLA Memorial HF CW Contest	www.radiosport.org.rs
Mar 11, 1900Z - Mar 12, 1900Z	Idaho QSO Party	idahoarrl.info/qsoparty
Mar 11, 2000Z - Mar 11, 2359Z	QRP ARCI Spring Thaw SSB Sprint	www.qrparci.org/contests
Mar 12, 0000Z - Mar 12, 0400Z	North American Sprint, RTTY	ncjweb.com/Sprint-Rules.pdf
Mar 12, 0700Z - Mar 12, 1100Z	UBA Spring Contest,, 2 Meter	uba.be/en/hf/contest-rules
Mar 12, 1800Z - Mar 12, 2200Z	WAB 3.5 MHz Phone	wab.intermip.net
Mar 12, 1800Z - Mar 13, 0100Z	Wisconsin QSO Party	www.warac.org/wgp
Mar 15, 2000Z - Mar 15, 2130Z	RSGB 80-Meter Club Championship, CW	www.rsgbcc.org/hf
Mar 16, 0030Z - Mar 16, 0230Z	NAQCC CW Sprint	naqcc.info
Mar 18, 0200Z - Mar 20, 0200Z	BARTG HF RTTY Contest	www.bartg.org.uk
Mar 18, 1200Z - Mar 19, 1200Z	Russian DX Contest	www.rdxcc.org
Mar 18, 1400Z - Mar 18, 1800Z	AGCW VHF/UHF Contest	www.agcw.org
Mar 18, 1400Z - Mar 19, 0200Z	Louisiana QSO Party	laqp.louisianacontestclub.org
Mar 18, 1400Z - Mar 19, 2359Z	Virginia QSO Party	www.gsl.net/sterling
Mar 18, 2000Z - Mar 18, 2159Z	Feld Hell Sprint	sites.google.com/site/feldhellclub
Mar 19, 0700Z - Mar 19, 1100Z	UBA Spring Contest, SSB	uba.be/en/hf/contest-rules
Mar 20, 0200Z - Mar 20, 0400Z	Run for the Bacon QRP Contest	grpcontest.com/pigrun
Mar 20, 1800Z - Mar 20, 2059Z	Bucharest Contest	yo3test201x.blogspot.ro/p/blog-page.html
Mar 21, 1700Z - Mar 26, 1700Z	CLARA Chatter Party	www.clarayl.ca
Mar 22, 0000Z - Mar 22, 0200Z	SKCC Sprint	www.skccgroup.com
Mar 23, 2000Z - Mar 23, 2030Z	RSGB 80-Meter Club Championship, SSB	www.rsgbcc.org/hf
Mar 25, 0000Z - Mar 25, 2359Z	FOC QSO Party	g4foc.org/qsoparty
Mar 25, 0000Z - Mar 26, 2359Z	CQ WW WPX Contest, SSB	www.cqwpw.com/rules.htm
Mar 26, 0600Z - Mar 26, 1000Z	UBA Spring Contest, 6 Meter	uba.be/en/hf/contest-rules
Mar 29, 2000Z - Mar 29, 2100Z	UKEICC 80-Meter Contest	www.ukeicc.com



(control +click to activate a link)

For more information on contests:

<http://www.arrl.org/contest-calendar>

SPECIAL EVENT STATIONS

Full information at: <http://www.arrl.org/special-event-stations>



Feb 18 - Mar 18 VI8BOD
 Feb 25 - Mar 6 /NE150
 Mar 1 - Mar 31 KL7RST
 Mar 1 - Mar 31 VY1RST
 Mar 1 - Mar 31 VE8RST
 Mar 1 - Mar 31 VY0RST
 Mar 1 - Mar 31 OX7RST
 Mar 1 - Mar 7 KA9NLX
 Mar 2 - Mar 6 KB7QPS
 Mar 2 W4TRC
 Mar 2 - Mar 5 N6S
 Mar 4 - Mar 18 W3K
 Mar 11 NI6IW
 Mar 11 - Mar 12 GB1SWC
 Mar 11 K9TAL
 Mar 12 WM3PEN
 Mar 17 - Mar 19 N5LEA
 Mar 18 - Mar 19 W4RSC
 Mar 18 N5L
 Mar 19 - Mar 20 K5B
 Mar 21 - Mar 23 W4LX
 Mar 25 W4BKM
 Mar 25 N4H
 Mar 25 - Mar 26 W9K
 Mar 29 W5KID

Bombing of Darwin by Japanese Aircraft 1942-02-19
 Nebraska Sesquicentennial (150th) Anniv. Celebration QSO Party
 "RST" Event
 "RST" Event
 "RST" Event
 "RST" Event
 "RST" Event
 Peace Corps Third Goal SE
 First Flight of the Concorde
 Kingsport Centennial
 Southern California Linux Expo (SCaLE 15x)
 Penn Wireless 50th Anniversary
 Launching of USS Midway Special Event
 Samaritans Of West Cumbria
 The American Legion 98th Birthday Commemoration
 Pennsylvania Charter Day
 Lea County Centennial
 Flight 242 Special Event
 New London School Explosion 80th Anniversary
 Bataan Memorial Death March Marathon
 The Buckingham Gunnery Army Airfield
 35th Annual Cherry Blossom Festival
 Battle of Horseshoe Bend (Creek Indian War) Anniversary
 W/K ARC of Greater Milwaukee - 40th Anniversary
 Viet Nam Veteran's Day



USEFUL INTERNET LINKS

(control + click to use link)

- ARRL MAIN SITE: <http://www.arrl.org/home>
- ARRL ATLANTIC DIV.: <http://www.atldiv.org>
- CONTESTS: <http://www.arrl.org/contest-calendar>
<http://www.hornucopia.com/contestcal/perpetualcal.php>
- HAMFESTS: <http://www.arrl.org/hamfests-and-conventions-calendar>
- STARS REFLECTOR: <http://groups.yahoo.com/group/STARS-WB2ELW/>
- STARS WEBSITE: <http://www.wb2elw.net>
- TELSTAR EDITOR: wb2elw@verizon.net