



July 2014
Volume 52, Issue 7

Field Day Issue

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**Newsletter of the
Mahoning Valley
Amateur Radio
Association
Established 1919**

The Voice Coil

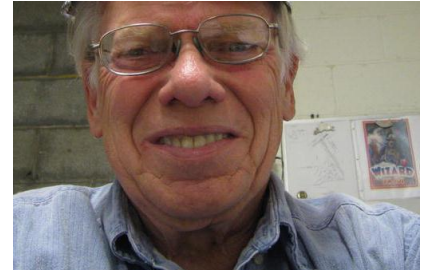
President's Corner

Well it's time to celebrate the 4th of July. A long holiday weekend should give us extra HF band operating time. It's a shame we, all of us, don't spend more time on the air. There are so many different frequencies to use, so many different ways to communicate. Each of us should be making an effort to get on the air and work 3 or 4 stations each week. They don't need be 30 minute conversations, they can often be as short as 15-20 seconds.

Conditions lately have been on the downward side of the sunspot cycle so don't expect much DX, so this could be a good time to work towards some awards. Worked All States and Worked All Continents are just two awards and can be done with moderate stations and in the Technician portion of 10 meters.

Speaking of Technicians, the NEW Technician study guides and question pool went in effect July 1st. There are a few changes, but nothing major.

Amateur radio should be continuing our duty towards public service events and communications. We should be working with newly licensed operators and show them how

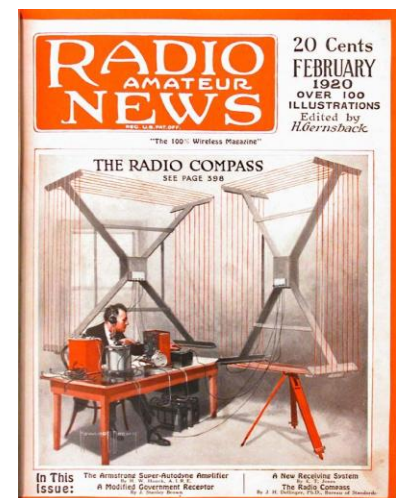


to operate. Think of the people that were there to answer questions when you got in the hobby, now it's YOUR turn to help others.

Above all, amateur radio is a brotherhood, a unique group of individuals with many different skills and abilities. Let's work together, to teach, train, share experiences and above all, have fun !

-Wes, W8IZC

***Next Meeting: Thur. July 10,
Youngstown Public Library,
Wick Avenue.**



2014 Officers

President: Wes Boyd, W8IZC
Vice President: Mike McCleery,
K8PRR
Secretary/Webmaster: Dave Salmen,
WB8IBA
Treasurer: Frank Sole, WB8YHD
Trustees: Andy Brincko, WA8ZLK
Mark Haverstock, K8MSH
Dave Brett, KD8ZNF
Dave Fairbanks, N8NB

Newsletter Staff: Dave Brett,
KD8ZNF and Nancy Brett KD8QNY,
distribution; Joe Vasko, N8SEJ,
Editor; Mark Haverstock, K8MSH,
layout/publishing

Awards Manager: Dave Fairbanks,
N8NB, 330.759.6993, 4770 Logan
Ave. Youngstown, OH 44505

The Mahoning Valley Amateur Radio
Association, Inc, meets the second
Thursday of every month. Location
and time are subject to change. Dues
are \$20.00 per year, \$25.00 for family
membership. Pro-rata discount for first
time membership available. Special
student discount. See MVARA.org
website for details and application
form.

The club call is **W8QLY**; equipment
operated under this call includes a two
meter voice repeater at 146.745 (-600,
110.9 PL).

For License Classes and V.E.C.
Contact Committee Chairman Jerry
Viele, W8JV (330-534-1394)

MONDAY NIGHT NET operates
every Monday at 9:00. PM on 146.745
MHz.. Primary Net Control - Art
Burnett, KB8UNJ.

SKYWARN NET - First Wednesday
of the month at 8:30 PM on 146.745
MHz as weather warrants.

ARES NET- First and third Mondays
of each month at 8:30 PM on 146.745
MHz, prior to Monday Night Net.

How Electronic Devices Work

For many years young electronic technicians have been taught the "hole" theory of electronics. This theory explains how electrons move along conductors and semiconductors. The theory has been good enough to satisfy or keep at bay anyone who might otherwise question the theory.

However, after a number of years working in the electronics industry I have come to realize that the hole theory may not be correct. My theory which has been proven time and again by personal observation is that electronics works on smoke. Yes – that's right. I recently learned that every manufacturer encapsulates a certain amount of smoke in every electronic component they build. The smoke is what does the work. You have probably noticed that a component will quit working when the smoke leaks out.

Conclusively, this proves my theory. I have documented this many times and it this theory sure beats the "hole" theory. I've never seen holes in a wire and why don't the electrons pour out of the end of the wire if it is broken? *Lee, WA8ERA From: W6SA in Radio World - 1985*



Swap and Shop

- 1---HY-POWER 40m dipole: 68-ft, #12 solid copper wire w/grey insulation==new
- 2---BUCKMASTER OCF-4 band w/300-watt balun, 67-ft==still work
- 3---HUSTLER 2m 5/8-wave (mobile) w/radials (base)==new
- 4---ALPHA DELTA DX-EE multiband (40/20/15/10) dipole w/coil, 40-ft==new
- 5---2m Double-J Pole===new
- 6---3-rolls [each 100-ft black 5/16-inch double-braid Dacron polyester==new
- 7---1-roll [100-ft black 3/16-inch double-braid Dacron polyester]==new
- 8---RG-8X coax cable, 40-ft
- 9---G5RV Tru-Talk Window Antenna by WA2NAN-built, 102-ft wire & 34-ft 450-ohm ==new
- 10-HAMGADGETS MK-1 Master Keyer w/CD & AC-adaptor
- 11-DX ENGINEERING Maxi-Core 4:1 Balun BAL200-H11CT, 10kw
- 12-RIGBLASTER Advantage TNC (jumper-wired device for ICOM-7200)
- 13-VIBROPLEX Vibrokeyer Single Paddle Delux version==new

If you are interested in any item, I would be glad to quote a price.
Contact Ken at ckt66000@att.net or kc8y@arrl.net

Meeting Programs

Thanks to guest speaker Mike Krake of Generator Specialists on generator operation for the presentation at our June meeting.

July Meeting: Ham Classics. Bring your favorite boat anchor to show & tell (or send an electronic photo to Wes.) Contest: Name that rig.

August Meeting: Corn Roast at Boardman Park

Suggestions-ideas for future club programs? Please contact VP Mike K8PRR.



Mike Krake of Generator specialists gives us the lowdown on generator care and operation.

Hamfest Calendar

July 12, 2014 - 20/9 Tailgate/ Hamfest 2014, Austintown Senior Center, 112 Westchester Dr. Austintown, OH 44515 8 am-1 pm. **Website:** <http://www.20over9.org>

July 19, 2014 - Noarsfest Lorain County Community College (Spitzer Conference Center), 1005 North Abbe Road Elyria, OH 44035. **Website:** <http://www.noars.net> **Talk-In:** 146.70 - (PL 110.9) **Contact:** Darlene Ohman , KA8VTS 4122 Bush Avenue Cleveland, OH 44109; 216-398-8858; **Email:** dohman@roadrunner.com

July 19, 2014 - North Hills Amateur Radio Club Hamfest, Parkwood Presbyterian Church 4289 Mount Royal Blvd., Allison Park, PA 15101. **Website:** <http://www.nharc.org> **Talk-In:** 147.090 (PL 88.5) **Contact:** John Fowler, 200 Lee Avenue Pittsburgh, PA 15237. Phone: 412-366-3133 Email: johnr.fowler@gmail.com

July 27, 2014 - Portage Hamfair '14, Portage County Fairgrounds, 4215 Fairground Road Randolph, OH 44265. **Website:** <http://Hamfair.com> **Talk-In:** 144.790/145.390 MHz **Contact:** Joanne Solak , KJ3O, 9971 Diagonal Road Mantua, OH 44255. **Phone:** 330-274-8240. **Email:** kj3o@hotmail.com

August 2, 2014 - Columbus Hamfest/Ohio Section Conference, Aladdin Shrine Center 3850 Stelzer Road, Columbus, OH 43085. **Website:** <http://www.columbushamfest.com> **Talk-In:** 146.970 (PL 123.0) **Contact:** Jim Leonard, WD8MRT, 37-B Noble Terrace Springfield, OH 45504. **Phone:** 614-264-8566. **Email:** wd8mrt@arrl.net

August 17, 2014 - Warren ARA's Annual Hamfest & Computer Show, Trumbull County Fairgrounds, 899 Everett-Cortland Hull Road, Cortland, OH 44410. **Website:** <http://www.w8vtd.org> **Talk-In:** 146.970- (PL 100) / 443.000+ (no PL) **Contact:** Jacqueline Williams , N8JMW, PO Box 809 Warren, OH Attn: Hamfest. **Phone:** 440-636-2806 **Email:** warrenhamfest@gmail.com

Writing for the *Voice Coil*

We reached a milestone with our May 2014 issue. It was one of the goals of the newsletter committee to double the size of the *Voice Coil*. Thanks to the article and photo contributions of several members, it finally happened.

To maintain the size, as well as the quality of our club newsletter, we continue to need article contributions from our members. It's not really hard to write an article for the *Voice Coil*—our editor and publisher can help make your writing look good. The main thing to keep in mind is that the article needs to be related to our ham radio hobby and be interesting to our readers.

So what do you write? The best way to begin is to look at what we already have in the newsletter or look at other good examples like *QST* for inspiration.

Special interest columns and articles are one way you can contribute to the newsletter. Dave, N8NB, gathers information on contests and DXing from several sites in the Internet. Much of this is reprinted from the sites—with permission and credit to the original author. This is a monthly thing, so Dave made a commitment to spend some time researching for each issue. We'd really like to have some regular columns.

Been to any good conferences, forums, classes or events? Tell us about them. Frank, WB8YHD, wrote about his first experience at Contest University—one of the big events associated with the Dayton Hamvention—in the May issue. We learned about the class, what to expect and that it was a great experience for both novice and seasoned contesters.

Think about a simple how-to project you can share. Many of us build antennas, accessories, or do installation projects related to ham radio. Frank also described a simple and inexpensive project to improve your mobile audio which only required a few simple tools and minimal time.

Did you buy any good stuff at Dayton? Somewhere else? How about writing a short review of the product? Let us know its good points, bad points—but be fair in your evaluation.

How about news tips/articles that are of interest to hams and our membership? Sometimes you'll find something interesting posted on a website that's worth sharing. Send us a copy of the article and source information (web address/URL). Often we can get permission to reprint in the *Voice Coil*, or at least mention it with a brief description in our Links column.

(continued pg. 5)

Upcoming Events

ARES Training Camp:

Camp Falling Rock, Newark, OH, September 12, 13, 14, 2014
Contact Matt Welch
W8DEC@arrl.net

VE Testing

July 17, 6:30 PM at YSU
Facilities Building,
Wood Street. Contact
W8JV@yahoo.com

Nets

Mahoning County ARES Net

8.30 PM first and third
Monday each month on the
W8QLY Repeater 146.745.

Mahoning County Skywarn Net

First Monday each month,
8:30 pm on 146.745 repeater



Writing for the Voice Coil (continued)

Send us your pictures. We look for pictures of ham events, club events and we feature a “hamshack of the month.” Did you send us any 2014 Field Day pictures? If so, they’re probably somewhere in the issue.

Politics, religion, rants, and personal attacks are a no-no. The newsletter committee and club leadership does have the right to reject articles that they believe are inappropriate. We’re interested in maintaining a respectable newsletter with the best interests of the club membership in mind.

Amateur Radio News

Dayton Hamvention Attendance Up

Slightly: Dayton Hamvention® has announced on its website that 24,873 people turned out for Hamvention 2014. That was up slightly from 2013, when 24,542 attended the annual, 3-day international gathering. Hamvention 2014 was a Regional ARRL National Centennial Event. Charles Kaiser, KD8JZR, was the 2014 general chairman. The Dayton Amateur Radio Association (DARA) has sponsored Hamvention since 1952. Originally called the Southwestern Ohio Hamvention, the inaugural event, held in March in downtown Dayton, attracted 600 attendees — twice as many as had been predicted. Hamvention attendance peaked at 33,669 in 1993.

Swiss 60 Meter Beacon Now on the Air:

Although radio amateurs in Switzerland do not yet have access to the 60 meter band, the Sursee Amateur Radio Club has received authorization to operate an experimental beacon in JN47be under the call sign HB9AW. The 5291 kHz beacon, which went live on June 1, is primarily to study 60 meter propagation within Switzerland. It will transmit HB9AW in CW at 10 W, followed by five dashes, with the power lowered with each dash. The first dash will be at 10 W, the second at 5 W, the third at 1 W, the fourth at 100 mW, and the fifth at 10

1 W, the fourth at 100 mW, and the fifth at 10 mW (all power levels in ERP). The beacon will transmit every 5 minutes, starting at the top of the hour. The antenna is a half-wave NVIS dipole with its feed point 0.12 λ above ground and its ends slightly lower. A reflector is set beneath the dipole. “We deliberately chose this high-angle radiating antenna to study propagation conditions in Switzerland,” the club said on its website. Conditions for DX contacts are, for now, only of secondary interest.”

North Carolina Governor Proclaims July “Amateur Radio Recognition and Appreciation Month.”

North Carolina Governor Pat McCrory has proclaimed July as “Amateur Radio Recognition and Appreciation Month.” Among other things, the governor recognized the ARRL’s Centennial this year. — Thanks to Woody Woodward, K3VSA

BAOFENG Rebrands to Pofung: Chinese radio manufacturer BAOFENG is rebranding its products under the “Pofung” label in international markets. The company said BAOFENG — a literal Pinyin translation of the company’s Chinese character name — “may be difficult for a hobbyist across the ocean to pronounce.” The company said the new name, Pofung, is easier to pronounce and more customer-friendly, while maintaining the brand’s phonetic symbolism. Products for the domestic market in China will retain their current brand name and identity, and the company’s web domain, www.baofengradio.com, will remain unchanged. — Thanks to Amateur Radio Newslite, Baofeng

FCC Decides Not to Adopt New Rules Affecting 902-928 MHz Band:

The FCC has terminated a longstanding proceeding involving the 902-928 MHz (33 centimeter) band. In 2006, the FCC, in WT Docket 06-49, proposed rule changes to encourage development of a terrestrial service for location of objects and tracking. Amateur Radio is secondary in the band to federal radiolocation systems, industrial, scientific and medical devices, federal fixed and mobile

Operating News and Information

Dave Fairbanks N8NB

If your antenna hasn't got hit by lightning by all the storms we have had, there are some contests July to satisfy your urge to compete. Most significant is the IARU HF world championship on July 12th and July 13th. Everyone is urged to participate.

July 2014

+ RAC Canada Day Contest	0000Z-2359Z, Jul 1
+ Venezuelan Ind. Day Contest	0000Z, Jul 5 to 2359Z, Jul 6
+ DL-DX RTTY Contest	1100Z, Jul 5 to 1059Z, Jul 6
+ Marconi Memorial HF Contest	1400Z, Jul 5 to 1400Z, Jul 6
+ DARC 10-Meter Digital Contest	1100Z-1700Z, Jul 6
+ ARS Spartan Sprint	0100Z-0300Z, Jul 8
+ FISTS Summer Sprint	0000Z-0400Z, Jul 12
+ IARU HF World Championship	1200Z, Jul 12 to 1200Z, Jul 13
+ WAB 144 MHz Low Power Phone	1000Z-1400Z, Jul 14
+ NAQCC Straight Key/Bug Sprint	0030Z-0230Z, Jul 17
+ DMC RTTY Contest	1200Z, Jul 19 to 1200Z, Jul 20
+ North American QSO Party, RTTY	1800Z, Jul 19 to 0559Z, Jul 20
+ CQ Worldwide VHF Contest	1800Z, Jul 19 to 2100Z, Jul 20
+ RSGB IOTA Contest	1200Z, Jul 26 to 1200Z, Jul 27

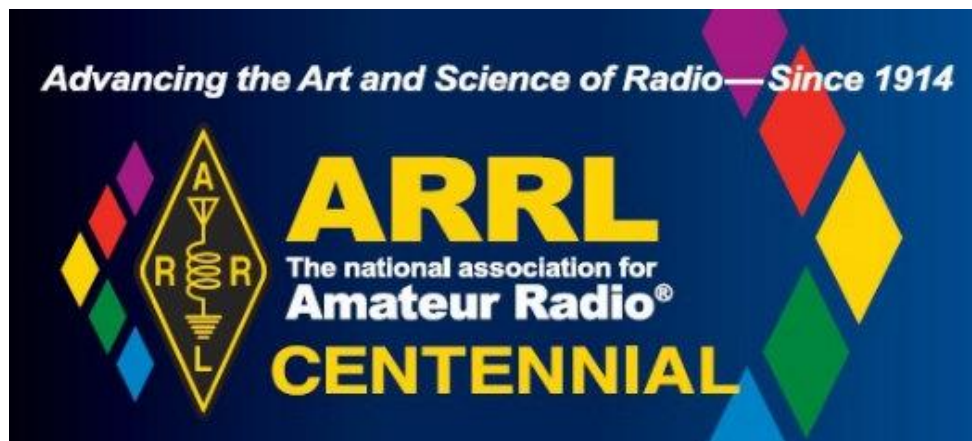
More information is available at <http://www.hornucopia.com/contestcal/index.html>.

Taking a Peek at the ARRL Centennial Convention

Nobel Prize winner Joe Taylor, K1JT, will be the featured speaker for a large-group presentation at noon on Saturday, July 19 during the ARRL Centennial Convention. The Convention will take place in Hartford, Connecticut. Taylor's presentation, "Gazing into the Future — DXing with Weak Signals and Beyond," will take place in the large meeting hall at the Connecticut Convention Center.

Yes, we have a US Nobel Laureate who is a staunch member of ARRL. And, yes also, all members are invited to register for and to attend the Convention. See arrrl.org for details.

-From the ARRL



Mahoning Valley Amateur Radio Association Monthly Meeting

Thursday June 12, 2014
Youngstown Public Library Youngstown, OH

Pledge

✱Jack Chapman donated \$100.00 for Field Day

☉Monthly program

☉Generator Specialist - Mike Krake

☉Treasurer's Report

☉Minutes

☉Motion to approve minutes made by Frank WB8YHD; seconded by Mark, K8MSH. Minutes approved

☉Committees

☉Newsletter, Repeater, Programs

☉Field Day

☉Wes reminded everyone about Field Day and the need for equipment, operators, food and help in general - setup and tear down

☉Special Olympics - will be on 06/14/14 Austintown High School - contact Wes, W8IZC for more info.

☉Poland Parade - will be held on 06/27/14, meet at 5:15 pm. See Dean, W8YSU, for more info

☉VHF Contest - June 14 - 16. Begins 1800 UTC Saturday, runs through 0259 UTC Monday (June 14-16, 2014). Website: <http://www.arrl.org/june-vhf>

☉Kids Day - Dates and Times - Saturday, June 21. Runs from 1800 UTC through 2359 UTC. Website: <http://www.arrl.org/kids-day>

☉Howl at the Moon Walkathon - June 14 approx. 7:30 pm - 10:00 pm

☉Swap n Shop

☉Wes has a Ten-Tec and Kenwood for sale

Old Business

☉Joe, - Motion for \$350.00 for Field Day - motion passed

☉Good and Welfare

☉50/50 Raffle - won by Dave, N8NB - \$22.00

☉Radio Raffle - Won by Dave, KD8NZF



The **VOICE COIL** is the monthly publication of the Mahoning Valley Amateur Radio Association, Inc. (MVARA) and is intended to present news, issues and opinions of interest to MVARA members and the Amateur Radio Community. We encourage contributions of articles, letters to the editor, etc. and welcome newsletter exchanges with other clubs from around the country and around the world. Permission is granted to reprint material contained herein as long as proper credit is given to this newsletter and the author. Ideas for and contributions to the VOICE COIL should be submitted to:

MVARAVoiceCoil@gmail.com

Submissions must be received **no later than the 24th** of the month prior to the month of issue, unless otherwise specified. Submissions should be in MS Word format or ASCII text. Material received after the deadline will be used in the next month's VOICE COIL if it is still current and /or news worthy.

The **VOICE COIL** is published by the MVARA. All material contained herein is considered the opinion of the author and not necessarily that of the MVARA. No responsibility for accuracy is assumed by the editor or newsletter staff. Typos are included for the entertainment of those who enjoy looking for them and should be reported immediately to any nearby MVARA member :-)

MVARA MEETING LOCATION:

Youngstown Public Library

305 Wick Avenue

Youngstown, OH 44503

7:00-8:30 pm

*Be sure to meet us at the MVR Restaurant for the after meeting gathering, 410 N. Walnut St.
(behind the library)*

Special Olympics Pictures



Operating News and Information (continued). There are some good DX stations with planned operations coming on the air in July as the following listing shows.

2014 Jul01	2014 Jul02	Fiji	3D2ML	RM2A	DXW.Net 20140526	By RM2A fm Beachcomber I fm (OC-121); HF; CW SSB
2014 Jul01	2014 Jul07	Dodecanese	SV5	OK6DJ	VA3RJ 20140327	By OK6DJ as SV5/OK6DJ fm Rhodes (EU-001, GIOTA DKS-006, MIA MGD-028, WLOTA 0045); HF; holiday style operation; QSL OK via Buro or direct
2014 Jul01	2014 Jul13	Corsica	TK	F1MDT	ATDX 20140610	By F1MDT as TK/F1MDT; 40 30 15 12 10m; RTTY PSK JT65
2014 Jul03	2014 Jul07	Samoa	5W0ML	RM2A	ATDX 20140526	By RM2A fm Upolu I (OC-097); HF; CW SSB
2014 Jul05	2014 Jul15	St Pierre & Miquelon	FP	LotW	KV1J 20140213	By KV1J as FP/KV1J fm Miquelon I (NA-032); 80-6m; SSB CW RTTY; QRV for DL-DX RTTY and IARU HF contests; QSL also OK via KV1J direct
2014 Jul05	2014 Jul19	Corsica	TK14CC NEW	LotW	425DXN 20140620	By F8BBL; 80-6m; mainly CW, some SSB + digital; QSL also OK via F8BBL, REF Buro or direct
2014 Jul07	2014 Jul17	Guadeloupe	TO5MJ	LotW	ATDX 20140520	By F5LMJ; 40-10m; CW SSB + digital; QSL also OK via F5LMJ and eQSL
2014 Jul08	2014 Jul11	Jersey	GJ	LotW	WJ2O 20140425	By WJ2O as GJ/WJ2O/m
2014 Jul08	2014 Jul12	Fiji	3D2ML	RM2A	DXW.Net 20140526	By RM2A fm Nanuya Balavu I (OC-156); HF; CW SSB
2014 Jul08	2014 Jul21	South Cook Is	E51QBV	K2QBV	K2QBV 20140604	By K2QBV fm Rarotonga I (OC-013); holiday style operation
2014 Jul10	2014 Jul13	Bermuda	VP9	OH1VR	ATDX 20140610	By OH1VR as OH1VR/VP9; HF; CW
2014 Jul10	2014 Jul13	South Cook Is	E51AND	E51AND Direct	425DXN 20140607	By E51AND fm Mauke I (OC-083); SSB + slow CW; 100w; 43 foot vertical w/ 30 radials
2014 Jul12	2014 Jul13	Cayman Is	ZF1A NEW	K6AM	ATDX 20140619	By K6GO NA6MB K6ZH;

						also QRV Jul 9-13 as ZF2GO, ZF2NA, ZF2NH respectively; 160-6m; QSL ZF2GO and ZF2NA via K6GO, ZF2NH via K6ZH
2014 Jul12	2014 Jul15	Guernsey	GU	LotW	WJ2O 20140425	By WJ2O as GU/WJ2O/m; QRV for IARU Contest, SOAB LP
2014 Jul13	2014 Jul13	Fiji	3D2ML	RM2A	DXW.Net 20140526	By RM2A fm Vitu Levu I (OC-016); HF; CW SSB
2014 Jul13	2014 Jul24	American Samoa	KH8	See Web	425DXN 20140301	By W7GJ as KH8/W7GJ; mainly 6m EME, possibly also SSB CW
2014 Jul15	2014 Jul18	South Cook Is	E51AND	E51AND Direct	425DXN 20140607	By E51AND fm Mitiaro I (OC-083); SSB + slow CW; 100w; 43 foot vertical w/ 30 radials
2014 Jul16	2014 Jul22	St Pierre & Miquelon	FP	Home Call	OE5OHO 20140614	By OE5OHO as FP/OE5OHO and OE3GEA as FP/OE3GEA fm Miquelon I (NA-032); 40-10m; mainly CW; wire antennas; holiday style operation
2014 Jul19	2014 Jul26	Aland Is	OH0	IW5ELA	IW5ELA 20140606	By IW5ELA as OH0/IW5ELA; 40-10m; mainly CW; 100w; vertical; holiday style operation; all QSOs will be confirmed via Buro
2014 Jul22	2014 Aug06	Tanzania	5H1NE	IK2DUW	ATDX 20140603	By IW2NEF fm Zanzibar (AF-032); HF; SSB; call sign requested
2014 Jul25	2014 Jul30	Greenland	OX		DXW.Net 20140525	By DB5MH as OX/DB5MH fm Sukkertoppen I (NA-220); QRP; spare time operation
RSGB IOTA Contest (Jul 26-27, 2014) Check here for pericontest activity too.						
2014 Jul26	2014 Aug08	Antigua	V29SH	LotW	ATDX 20140611	By VE6SH fm NA-100; HF w/ focus on 20 17 12m; QSL also OK via VE6SH direct
2014 Jul27	2014 Jul31	Palau	T88DF NEW	LotW	ATDX 20140623	By JH2DFJ; 160-6m; slow CW, SSB RTTY SSTV WSPR JT65A; QSL also OK via JARL Buro or direct + eQSL
2014	2014	Cocos Keeling	VK9EC	LotW	JF3PLF	By JA3FVJ JA3QWN

Jul29	Aug02				20140301	JA3TJA JF3PLF JH3FUK fm OC-003 (NH87jt); 160-6m; SSB FM CW RTTY PSK31; QSL also OK via JF3PLF, Buro or direct and Club Log
2014 Jul31	2014 Aug05	Timor Leste	4W	IZ8CCW	ATDX 20140616	By NB3MM as 4W/NB3MM; 30-12m; mainly SSB, some CW and PSK31; vertical; QSL OK via Buro or direct, also via YB3MM direct only

Further information on these operations and others can be found at the website:
<http://www.ng3k.com/Misc/adxo.html>.

Ham Humor: ‘Game of Rohns’ To Debut

By WBØRUR, on the scene

HOLLYWOOD, Calif.– Entertainment producer Mark Cornett is announcing a new amateur radio themed television series scheduled to debut this fall on the American Television Channel. “Game of Rohns” will take place in the fictional New England town of Queen’s Landing, Rhode Island.

The show simultaneously follows three New England ham radio operators as they vie to erect the tallest towers in the hamlet; overcoming negative community reactions, city building and land use codes, financial challenges and other obstacles.

Cornett says he is excited about beginning production.

“It’s a remarkable story line with fame, fortune, tragedy, success and dragons. Well, no dragons. But it’s still exciting!”

The pilot episode introduces viewers to patriarch Eddie Stark, as he attempts to raise a 30-foot push-up pole with a UHF/VHF



antenna mounted on top. Strong winds and violent winter weather bring the mast tumbling to the ground on the property of Stark’s neighbor, Tyrone Bannister, with whom Stark has a long-standing feud.

Both men decide to erect the “tallest radio tower ye may have ever had the privilege of climbing”; each attempting to out-do the other.

Check your local cable or satellite provider for times and dates.

Cornett says he is developing two additional amateur radio related shows for ATC, a comedy called “That Callsign Is Not Valid” and a documentary about obsessive compulsive disorder called “AGAIN AGAIN.”

hamhijinks.com

Ham Humor: Hamvention Makes New Scooter-Only Policy

By K5PO, on the scene

DAYTON, Ohio – The dust from the Dayton Hamvention has settled, but the work doesn't stop for Dayton Area Amateur Radio Club (DAARC), the local club heavily involved in the organization of the Dayton Hamvention.

Each year after Hamvention, the DAARC group meets to discuss what worked and what didn't in the "Hamvention Correction of Errors" meeting. This year's Hamvention was largely considered a great success with a record-breaking turnout and enthusiastic vendor and forum involvement.

One concern from this year's event was the volume of electric scooters, or electric mobility devices. While scooters have been a staple of Hamvention for years, attendees noted that the number of scooters has continued to grow and has caused some logistical concerns for the world's largest hamfest.

In one noted event, Hamvention attendee Robert Milman had a four inch chunk of flesh on his leg ripped off when an errant scooter ran him over. Milman said that after the "last call" was given at the cheesecake-on-a-stick stand in the concessions area, scooter user Keyton Marbalm threw the scooter blindly into reverse at full throttle and ran straight up Milman's leg. Milman said that the wound is "healing up nicely" and that the cheesecake-on-a-stick treat is simply "can't miss."

DAARC Hamvention Correction of Errors Deputy Officer Wayne "Piggy" Marx said that in response to this and other incidents that the Hamvention will move to a "Scooter Only Policy" starting next year. Marx stated that they had discussed banning the electric scooters but agreed that, "scooters are an important part of the Hamvention experience and are important asset for those hams that can't move as easily as they once could. We'd have to exclude them and felt we couldn't ban the scooters, so we decided to go a different way."



Marx noted that the "Scooter Only Policy" will require that all Hamvention attendees rent and use a scooter at all times on the Hara convention premises and flea market grounds.

"We felt that the only way to allow scooters and also ensure safety was to level the playing field. All Hamvention tickets next year will include scooter rental, and walking around without one will be strictly prohibited."

hamhijinks.com

Hamshack of the Month

Mark, K8MSH. Classic Knight Kit and Heathkits.





KØBG: Mobile Madness

This site is dedicated to mobile amateur radio operators, old and new alike. Whether you're into HF, or VHF operation, the information presented will increase your enjoyment of our great hobby.

With safety as a byword, there are articles on amplifiers, antennas, bonding, impedance matching, installing hardware, mobile equipment, noise and RFI abatement, wiring, and much more. Alan does his best to keep these articles up to date, and easy to follow. Any changes are reflected in the date at the beginning of each article.

<http://www.k0bg.com/>

Ham Radio in the Movies

Frequency. John Sullivan (Jim Caviezel) finds he is talking to his father Frank Sullivan (Dennis Quaid), decades in the past after some kind of time warp with the Northern Lights. The call sign W2QYV was used in the film and the radio was a Heathkit SB-301. Guess the Hollywood folk didn't know you also need a transmitter for 2-way communication.

Movie trailer at:

<http://www.youtube.com/watch?v=trIMt9mZIdU>

Solar Flare-Ups

The sun is supposed to be at the height of its 11-year activity cycle, but for the most part things have been pretty quiet.

That might be starting to change, however.

http://www.huffingtonpost.com/2014/06/23/sun-x-class-solar-flares-mini-max-video_n_5521441.html

What is Radiosport?

World Radiosport Team Championship 2014

July 8-14, 2014

The World Radiosport Team Championship (WRTC) is a competition between two-person teams of amateur radio operators testing their skills to make contacts with other Amateur Radio operators around the world over a 24 hour period. Unlike most on-the-air competitions, all stations are required to use identical antennas from the same geographic region, eliminating all variables except operating ability.

WRTC2014 will include 59 competing teams from 29 qualifying regions around the world. This will be the largest and most competitive WRTC ever!

<http://www.wrtc2014.org/>

Quiz Answers:

1. 300 ohms
2. It increases
3. The antenna feed-point impedance must be matched to the characteristic impedance of the feed line
4. 5 to 1
5. 32 feet
6. Larger diameter elements
7. 1/2 wavelength
8. Gain increases
9. 9.7dBi
10. 1/3 wavelength
11. Near Vertical Incidence Sky wave
12. To permit multi-band operation

Test Your Antenna IQ

1. What is the characteristic impedance of flat ribbon TV type twinlead?

300 ohms 50 ohms 75 ohms 100 ohm

2. How does the attenuation of coaxial cable change as the frequency of the signal it is carrying increases?

It decreases It increases It is independent of frequency
It reaches a maximum at approximately 18 MHz

3. What must be done to prevent standing waves on an antenna feed line?

The antenna feed-point impedance must be matched to the characteristic impedance of the feed line
The antenna feed point must be at DC ground potential
The feed line must be cut to an odd number of electrical quarter wavelengths long
The feed line must be cut to an even number of physical half wavelengths long

4. If the SWR on an antenna feed line is 5 to 1, and a matching network at the transmitter end of the feed line is adjusted to 1 to 1 SWR, what is the resulting SWR on the feed line?

1 to 1 5 to 1 Between 1 to 1 and 5 to 1 depending on the characteristic impedance of the line
Between 1 to 1 and 5 to 1 depending on the reflected power at the transmitter

5. What is the approximate length for a 1/2-wave dipole antenna cut for 14.250 MHz?

8 feet 16 feet 24 feet 32 feet

6. Which of the following would increase the bandwidth of a Yagi antenna?

Closer element spacing Loading coils in series with the element
Larger diameter elements Tapered-diameter elements

7. What is the approximate length of the driven element of a Yagi antenna?

1/4 wavelength 1/2 wavelength 3/4 wavelength 1 wavelength

8. How does increasing boom length and adding directors affect a Yagi antenna?

Gain increases Beamwidth increases Weight decreases Wind load decreases

9. What is the approximate maximum theoretical forward gain of a three element, single-band Yagi antenna?

5.4 times the gain of a dipole 9.7 dBd 9.7 dBi All of these choices are correct

10. Approximately how long is each leg of a symmetrical delta-loop antenna?

1/4 wavelength 1/3 wavelength 1/2 wavelength 2/3 wavelength

11. What does the term "NVIS" mean as related to antennas?

Non-Varying Impedance Smoothing Non-Visible Installation Specification
Near Vertical Incidence Sky Wave Nearly Vertical Inductance System

12. What is the primary purpose of antenna traps?

To notch spurious frequencies To prevent out of band operation
To provide balanced feed-point impedance To permit multiband operation

--From *PCARS Radiogram*, May 2014

(Answers on page 13)

W8QLY Field Day 2014



