



Allen County HamNews

November 2014
Volume 15
Issue 11

Fort Wayne Radio Club Fort Wayne DX Association Allen County Amateur Radio Technical Society

FWRC SUPPORTS THE SCOUT'S JAMBOREE ON THE AIR (JOTA)

The annual Jamboree On The Air (JOTA) is held the middle weekend of October for worldwide connection between Girl Scouts and Guides and Boy Scouts. This year the Fort Wayne Radio Club put together two demonstrations for local Scouts. At the Boy Scout Office on West Jefferson in Fort Wayne, we did a short demo of ham radio using Echolink technology for Cub Scouts. This ran from 10:00 to Noon. Also, we did a much more extensive station and Fox Hunt setup at Camp Chief Little Turtle in Stueben county. The camp operation consisted of two HF stations, one on 40 meter CW and SSB, and a second on 20 meter SSB. It also had three hidden "Foxes" and three direction finding radio receivers for scouts to practice their skills. The operation ran from approximately 9:00 am to 4:00 pm on Saturday. There was a break for some really good camp food at lunch time.

The operation was a great success, and roughly 100 scouts passed through the communication table and the Fox Hunt section. I want to thank all that were involved in making this run so smoothly for the Scouts:

- Charles, KC9MUT
- Mike, AC9BE



- Rich, KC9PUX
- Al, WB9SSE
- Terry, K9FMX
- Robert, KC9UHU
- Jim, K9OMA

This was a great effort by the FWRC in showing off Amateur Radio Technology to a new generation! Also, it was a "shake-down" of the recently donated transceiv-

er, the Yaesu FT-1000 Mark V, from W9INA, and it did not disappoint! What a sweet rig to operate!

Steve Nardin, W9SAN

Photos here and on page 3 provided by Steve.

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Internet Home Pages

Fort Wayne Radio Club:	http://www.FWRC.info/
	http://groups.yahoo.com/group/FWRC/
ACARTS:	http://www.acarts.com
Fort Wayne DX Association:	http://www.qsl.net/fwdxa/
ARES:	http://groups.yahoo.com/group/Allen_Co_IN_ARES/
IN_PACKET Yahoo Group:	http://groups.yahoo.com/group/IN_PACKET/

Allen County HamNews is a monthly joint publication of the Fort Wayne Radio Club (P.O. Box 15127, Fort Wayne, IN 46885), the Allen County Amateur Radio Technical Society (P.O. Box 10342, Fort Wayne, IN 46851), and the Fort Wayne DX Association.

Please send any articles, classified ads, or other information to the editor, Ken Helms, AB9ZD, at ab9zd at arrl.net. Please put "For Newsletter" in the subject line. Most text and graphics formats are acceptable. Microsoft Word and JPEG are preferred if separate files are used. For those without computer access, please mail your submission to either of the clubs post office boxes.

The deadline for the each issue is the last day of the preceding month.

Hamsplatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

THE PRESIDENT'S CORNER

It has been a very busy October! Now we set our sights on an equally busy November, with the Hamfest on November 15th and 16th, our club meeting on the 21st, plenty of contesting going on, and the conclusion of the Fox Hunting season on the 2nd. Of course, a lot did happen in October as well, so let's put that to bed right now:



ELECTIONS: the members of the Fort Wayne Radio Club voted on officers for the 2015 radio year at the October meeting. Elected to serve are the following:

President: Steve, W9SAN

Vice President: Carole, WB9RUS

Secretary: Al, WB9SSE

Treasurer: Bob, W8ST

Comm Mgr: Charles, W9BGJ

BOD: Linda, W9LAN

BOD: Tom, N9TB

BOD: Tom, KU8T

BOD: Terry, K9FMX

The vote was a close one, which underscores the importance of voting!

October was also the time for JOTA, which the FWRC supported in two locations, the Boy Scout Office on West Jefferson for a short program for Cub Scouts, and Camp Chief Little Turtle, which ran from 9 am to 4 pm and served about 100 Scouts. We had a blast! Also, we did a trial run of the club's new loaner radio, a Yaesu FT-1000 Mark V, which turns out is a pleasure to operate! Look for it at club events in the future.

With the Hamfest closing in, please be aware that the club will have two tables at

November 21: Jim Pliett, K9OMA, will present video and photos from past FWRC events and ATV.

the 'fest for members to sell items if they wish. The only stipulation is that you man the table for at least one hour, and be available to answer questions on whatever you selling. You can renew your club membership for 2015 as well, or join as a new member. And do not forget, for your early 2015 dues payment, you are automatically entered in the drawing on Sunday afternoon for the "Raffle Rig", a used Kenwood TS-440 with PS-50 power supply, hand mic, and straight key. This is a nice radio that would be a great starter radio on HF or a good backup rig or portable radio. Additional tickets can be purchased by club members for \$5 each.

The program for the November meeting will be presented by Jim Pliett, K9OMA, and will feature some video and photos from past FWRC events and ATV. Who knows, you may see yourself in this one! Join us on November 21st for this meeting.

Best regards,

Steve Nardin, W9SAN

2014 FORT WAYNE HAMFEST & COMPUTER EXPO

NOVEMBER 15 - 16, 2014



Unless otherwise scheduled, all meetings are held at the Good Shepherd United Methodist Church, 4700 Vance Avenue, Fort Wayne, IN.

Officers

President

Steve Nardin, W9SAN
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w9san(at)arrl.net

Vice President

Carole Burke, WB9RUS
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Al Burke, WB9SSE
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W9TE Trustee

Carole Burke, WB9RUS

Webmaster

Jay Farlow, W9LW

FWRC GENERAL MEETING MINUTES

The October meeting of the Ft. Wayne Radio Club was held at the Good Shepherd United Methodist Church on 17 October, 2014, and was hosted by club president Steve Nardin, W9SAN. There were about 40 people in attendance for this meeting, and, after reciting the Pledge of Allegiance, everyone present introduced themselves via their call-sign.

Treasurer Bob Steeter, W8ST reported the club's financial status dated 17 October, 2014 as follows:

Income \$6,961.04, Expenses \$5,813.51, Cash on Hand \$101.60, checking \$1,497.95, Savings \$8,048.92, and we have four pre-paid members for 2014.

Steve Nardin had on display the Kenwood TS-440 transceiver that the club will raffle-off at the upcoming Ft. Wayne Hamfest. Anyone who re-ups their club membership for CY 2015 between now and the end of the Hamfest (on Sunday, November 16th) will earn one raffle ticket and a chance to win the Kenwood.

Steve also had on display Yaesu Mark-V FT-1000MP transceiver which was donated to the club by Maynard Mansfield, W9INA with the stipulation that it be made available for loan-out to new hams who needed to get their feet wet in the hobby, until they obtained their own equipment. It is a magnificent piece of gear which we expect will spoil anyone who borrows it for any other piece of gear. We expect it to be a popular loan-out.

Speaking of the Yaesu Mark-V FT-1000MP, Steve noted that we planned to give it a work-out at the Cub Scout Jamboree On-The-Air (JOTA) which the club will support on October 18th at the Allen County Boy Scout office and at Camp Chief Little Turtle up in Steuben County. An FM station running Echo Link will be set up and demonstrated at the Boy Scout office. A 40 meter CW/Phone station, and a 20 meter Phone station (utilizing the Yaesu Mark-V) will be set up and demonstrated at Chief Little Turtle. And in addition, hands-on Foxhunting demonstrations involving the scouts will be conducted throughout the day at camp Little Turtle.

Steve noted that the final foxhunt of the year will be held on 2 November with

Charles Ward, KC9MUT and Fred Gengnagel, KC9EZF serving as the fox. Following the foxhunt the annual foxhunt party and bonfire will be hosted by Jim & Annie Pliett K9OMA & KA9YYI at their QTH out on Wappes Rd. All are invited to this annual event.

Elections for the 2015 club year were conducted with the following results:

President: Steve Nardin, W9SAN

Vice President: Carole Burke, WB9RUS

Treasurer: Bob Streeter, W8ST

Secretary: Al Burke, WB9SSE

Communications Manager: Charles Ward, KC9MUT

Board of Directors: Linda Nardin, W9LAN, Tom Rupp, KU8T, Tom Baker, N9TB, Terry Bowman, K9FMX

Following the business meeting Jim Boyer, KB9IH provided an in-depth discussion of the application of Arduino computers to ham radio. Those things are neat!

Respectfully submitted,

Al Burke, WB9SSE

Secretary, FWRC



State of the Arts

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

ACARTS PRESIDENT'S MESSAGE

November is club election month. You, the members, can have a say in the club policies and activities in 2015. Let me know if I can include your name on the ballot as a Board member at Large or even as an officer. We will be in need of a club secretary.

Call or e-mail me if you would like to be included. Nominations will be accepted at the November board meeting and at the November general meeting up until the time of the election.

The November meeting will also be the Hamfest wrap-up. It is a time to discuss what went well and what didn't at the Hamfest so that the club can hold another successful Hamfest in 2015.

The club Christmas party will be held on December 16th, again in the large



party room at Hall's GuestHouse. Mark your calendars with the date. I will begin taking reservations next month.

As of this writing, The Hamfest is less than three weeks away. Things are falling in place for another great Hamfest. If you worked at the Hamfest last year, your manager should be contacting you about working again this year. If you have not been contacted or have not worked the Hamfest before and would like to work, contact the Hamfest Chairman, Jim Boyer, KB9IH, at KB9IH(at)arrl.net and let him know your desire to help out and your times of availability.

73,

Dave Lindquist, W9LKH

ACARTS OCTOBER GENERAL MEETING MINUTES

The meeting was called to order by Dave, W9LKH.

After introductions, Dave announced that he had made reservations in the large party room at Hall's Guesthouse for the club Christmas dinner on December 16th.

As the topic of the meeting was Hamfest preparation, the club members present folded, assembled and stuffed workers' packages into envelopes, making short work of the task. Various Hamfest topics were discussed during the meet-

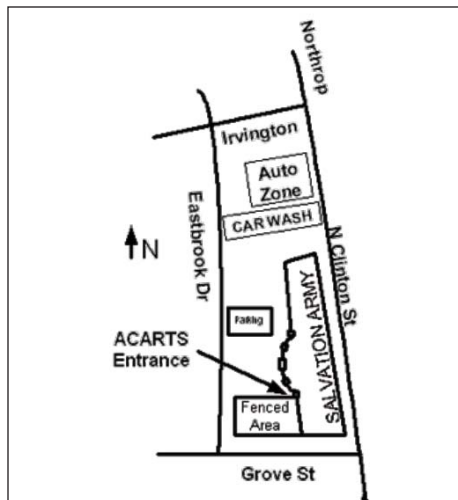
ing.

The meeting was adjourned at 8:15 p.m.

Submitted by Dave Lindquist, W9LKH

November 18: The meeting will include a Hamfest wrap-up and the club election of officers for 2015.

Unless otherwise scheduled, all meetings are held at 7:00 PM at the Salvation Army Center, 2901 N. Clinton Street, Fort Wayne, IN.



ACARTS Officers

President

Dave Lindquist, W9LKH
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Vice President

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and Jim Boyer, KB9IH
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ACARTS OCTOBER BOARD MEETING MINUTES

The meeting was called to order by Dave, W9LKH.

Dave asked Jim, KB9IH, if he had any Hamfest preparation projects that the club members could help with at the general meeting. Jim replied that he could bring some things in to work on. It was decided that the October meeting would be Hamfest preparation.

Dave announced that Dan Henderson, N1ND, would be the ARRL representative at the Hamfest.

Dave reminded everyone that the November meeting would be the club elections and asked those present if they could be included on the ballot. Everyone stated that they would run again except for Dan, KB9NGM, who stated that he did not want to run for secretary again.

Jim, KB9IH, announced that his wife did not want to hold the club picnic at their house next year. The board discussed the options and whether to still hold the picnic. No decision was reached.

No other business was discussed.

The meeting was adjourned at 7:45 p.m.

Submitted by Dave Lindquist, W9LKH



Our 42nd BIG YEAR



& Computer Expo

Allen County War Memorial Coliseum Exposition Center

4000 Parnell Avenue -- corner of Coliseum Blvd (Ind 930) and Parnell Avenue -- N 41 06.878 W 85 07.388

November 15/16, 2014

73,000 sq. ft. of indoor space - over 450 tables

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Admission: (at the door only)

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Sunday only \$4.00

11 and under free with adult

Coliseum parking: \$5.00 per vehicle

Talk-in: 146.880 (-)

Tables: \$25 for Flea Market (8 ft)
\$50 for Premium (8 ft)
\$30 for Electricity (110V 20A)

For info or table orders, write to us at:

ACARTS / Fort Wayne Hamfest
PO Box 10342
Fort Wayne, IN 46851-0342

**For recorded info or to leave us a message,
you can call us at 260-579-2196**

Get the latest info at

www.fortwaynehamfest.com

Sponsored by the:

ALLEN COUNTY AMATEUR RADIO TECHNICAL SOCIETY (ACARTS)



FWDXA

Fort Wayne DX Association

DON'T OVERLOOK THIS WAY TO COMMUNICATE

Jim Wolf KR9U

So, you've got the DX bug and you are starting to count the ARRL countries that you have worked, and watching LoTW for DXCC confirmations. But your home station isn't even close to being a contest station; so how do you work more DX? Would you like to have a way to work other stations with a 10 to 15 dB advantage on weak signals over what can be copied using CW? Well, there is a way – it's a software program, it's available and a version has been written especially for HF operations. Best of all, it is freeware.

K1JT has written a program that does this. The base program is called WSJT (weak signal, Joe Taylor) with variants for Moon Bounce, Meteor Scatter and HF communications. JT65-HF is specifically for HF operations. More recently a new version, JT9, was developed for LF, MF and the HF bands with a total bandwidth of 15.6 Hz. That means that a 2 kHz slice of spectrum can hold up to 100 JT9 signals. There are still more JT65 QSOs than JT9 QSOs, but expect that to change since JT9 provides yet another 2 dB of sensitivity and significantly less bandwidth than JT65. WSJT-X is the name of this program that adds JT9, and includes both JT65 and JT9. You can download the program from:

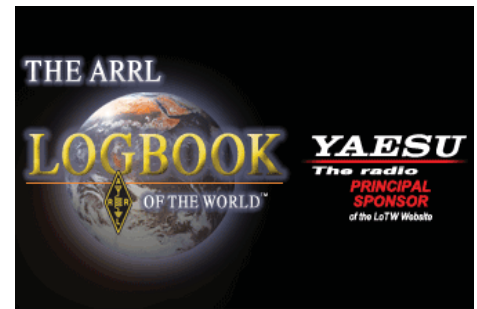
<http://physics.princeton.edu/pulsar/K1JT/wsjt.html>

There are other variants with a revised interface and a few more features added. "JT65-HF" by HB9HQX and "JT65-HF Comfort" are the most popular. As of yet these two additional programs have not added the JT9 waveform.

While almost all other forms of communication encourage rag chewing or at least a short name and stations exchange, WSJT-X is specifically a report-exchange mechanism for weak signals. The maximum number of characters in one transmission is 13. Each transmission lasts one

minute and is started on the minute. A complete exchange will take around 5 minutes. There are specific frequencies that are used for JT65 and JT9 just as there are for RTTY and other waveforms. Almost no one uses more than 100 Watts, and more likely many are running 10 to 20 Watts or less. See the accompanying image of my log extract from earlier this summer – I was running 100 Watts, and it was around midnight – note the DX on 15m and 10m.

If you already have your station set-up using a computer to operate another waveform such as RTTY, then you are all set up for JT65 and JT9. If not, you will need to connect your computer to your radio. You will need a Transmit Audio Output and a Receive Audio Input path to the computer from your radio. The sound card in your computer is used for audio



and Digital Signal Processing (DSP) functions. You likely will want to set up an automatic push-to-talk (PTT) line from your computer to the radio. PTT on and off times have a pretty narrow window, but the program does all this for you. Once set up, you can make contacts and log the QSO with just a few mouse clicks. To get started listening, all you need is an audio cable from your radio's audio output to the input of your computer's sound card.

You can see a short presentation (without live commentary) that was shown at a recent Fort Wayne DX Association meeting at <http://www.qsl.net/fwdxa/>. Follow the Links tab and look at the bottom under presentations. This will give you an idea of what the software looks like as well as more detail on the waveform. As you probably guessed, there is all kinds of JT65 and JT9 information on the web.

Call	DXCC	Starting UTC	Band	Mode	Sent	Rcvd
TA1AT	TA	7/9/2014 04:33:36	20M	JT65	599	599
SP6EY	SP	7/10/2014 02:27:20	40M	JT65	599	599
KF7AXE	K	7/10/2014 02:44:42	15M	JT65	599	599
JA1VGV	JA	7/10/2014 02:52:47	15M	JT65	599	599
KB6CIO	K	7/10/2014 02:58:21	15M	JT65	599	599
JA1RNJ	JA	7/10/2014 03:22:32	15M	JT65	599	599
AC7SG	K	7/10/2014 03:29:02	15M	JT65	599	599
ZP5YW	ZP	7/10/2014 03:39:36	15M	JT65	599	599
JA5BDZ	JA	7/10/2014 03:48:41	15M	JT65	599	599
UR4UHE	UT	7/10/2014 05:10:30	20M	JT65	599	599
SM7RGA	SM	7/10/2014 05:20:45	20M	JT65	599	599
DK4FP	DL	7/10/2014 05:29:18	20M	JT65	599	599
EI1DG	EI	7/10/2014 05:34:31	40M	JT65	599	599
KN7AW	K	7/10/2014 09:47:04	40M	JT65	599	599
VK5DC	VK	7/10/2014 09:50:46	40M	JT65	599	599
N4ART	K	7/10/2014 10:02:33	40M	JT65	599	599
K4RUM	K	7/10/2014 10:11:27	40M	JT65	599	599
RV3ZN	UA	7/11/2014 00:56:39	40M	JT65	599	599
IW1QN	I	7/11/2014 01:12:27	40M	JT65	599	599
SV6JHA	SV	7/11/2014 01:41:11	40M	JT65	599	599
M1BCM	G	7/11/2014 02:56:21	40M	JT65	599	599
TG9ANF	TG	7/11/2014 03:16:26	15M	JT65	599	599
RV6FT	UA	7/11/2014 03:22:40	15M	JT65	599	599
UA0NL	UA0	7/11/2014 03:29:56	15M	JT65	599	599
ZL3CC	ZL	7/11/2014 03:47:31	15M	JT65	599	599
K6KE	K	7/11/2014 03:53:18	10M	JT65	599	599
W6TZI	K	7/11/2014 03:57:32	10M	JT65	599	599
VK6XW	VK	7/11/2014 04:05:39	10M	JT65	599	599
VK2DKM	VK	7/11/2014 04:09:17	10M	JT65	599	599
UY9IO	UT	7/11/2014 04:26:24	15M	JT65	599	599
JA1LZB	JA	7/11/2014 04:37:32	15M	JT65	599	599
LZ5QZ	LZ	7/11/2014 04:41:54	15M	JT65	599	599

2015 SKYWARN STORM SPOTTER TRAINING DATES ANNOUNCED

The northern Indiana National Weather Service office has announced dates and locations for 2015 SKYWARN training sessions. NWS meteorologists plan to conduct one of the sessions in Fort Wayne, Tuesday, Feb. 17. At press time, the exact location of that session had not been determined.

Other sessions near Fort Wayne include:

- Auburn, Ind., Feb. 11
- Huntington, Ind. Feb. 24
- Paulding, Ohio, Mar. 16
- Bluffton, Ind., Mar. 19

Details of each of the above sessions appear on this Web page: <http://ow.ly/3tr6Vt>. If you plan to attend any of these sessions, NWS strongly urges you to make a reservation on the page. It will include the Fort Wayne session after its location is confirmed.

SKYWARN RECOGNITION DAY

The annual SKYWARN recognition day happens Dec. 5 and 6. During a 24-hour period, ham clubs around the country operate special events stations at NWS offices, like the northern Indiana office near North Webster. Last year, Joseph Lawrence, K9RFZ led the operation at the Northern Indiana office and many other Fort Wayne Radio Club members operated the station.

At last report, no one had yet offered to lead this year's effort.



2015 ARRL SCHOLARSHIP PROGRAM NOW ACCEPTING APPLICATIONS!

The ARRL Foundation is currently accepting applications from eligible radio amateurs pursuing higher education. More than 80 scholarships ranging from \$500 to \$5,000 will be awarded in 2015. In addition, one applicant may be selected for the prestigious William R. Goldfarb Memorial Scholarship, awarded to a high school senior pursuing a degree in business, computers, medical, nursing, engineering or science.

All applicants must submit a completed online application. Applicants must also forward a pdf of their academic transcript from their most recently completed school year to foundation@arrl.org. Note: Only a pdf or other format of the transcript is acceptable – no 'photos.' Applications without accompanying transcripts will not be considered.

Students submitting applications for the 2015 process should read the ARRL Scholarship Descriptions carefully and apply only for those scholarships for which they are eligible - some scholarships have geographic criteria or other requirements.

Applications must be received between midnight, October 1, 2014 and 11:59PM Eastern Standard Time January 31, 2015. Transcripts must be received by February 13, 2015.

Awards are typically notified by mid-May by USPS mail and email.

The scholarship descriptions listed on the ARRL web page are brief summaries of the terms and conditions required by the donors of the scholarships or established by the ARRL Foundation Board of Directors. These brief descriptions may not include complete selection criteria and are subject to change without notice.

<http://www.arrl.org/scholarship-descriptions>

For more information:

<http://www.arrl.org/scholarship-program>

HAWAII ARES VOLUNTEERS FIRING UP PLANS FOR POSSIBLE LAVA FLOW ACTIVATION

News From ARRL

Amateur Radio Emergency Service (ARES) volunteers on the Big Island of Hawaii are putting plans in place in case they need to activate in response to the Puna lava flow, reported today (October 29) to be 100 yards from the nearest home and with another 40 to 50 homes in its path. On October 28, the lava claimed its first structure — a shed in Pahoia. The lava originated from new "vents" in the Earth as a result of the Mt Kilauea volcano, which began erupting more than 30 years ago. After grinding to a halt nearly a month ago, the lava flow recently resumed its slow and devastating crawl toward populated areas. Residents in the path of the flow have been notified of a possible need to evacuate, and an evacuation advisory for down-slope residents remains in effect.

Lava flows are nothing new to many Hawaiians; ARRL Pacific Section Manager Bob Schneider, AH6J, has called them "a slow-motion disaster." In September

ARRL deployed Ham Aid kits to Hawaii for a possible lava flow response then. As it turned out, ARES members there needed the gear for Hurricane Ana first, since the lava flow had abated by the time the equipment got to Hawaii.

Schneider told ARRL Headquarters this week that District Emergency Coordinators have been establishing area-specific ARES standard operating procedures in the event of an activation. "[East Hawaii DEC Kim Fendt, WH6HIM] has put together a volunteer shelter-response team," Schneider said. "They all realize that this may involve multiple shifts for a considerable time."

More information at:

<http://www.arrl.org/news/hawaii-ares-volunteers-firing-up-plans-for-possible-lava-flow-activation>

SATELLITES CARRYING AMATEUR RADIO PAYLOADS AMONG THOSE LOST IN LAUNCH EXPLOSION

News from ARRL

The RACE and GOMX-2 CubeSats were among more than 2 dozen satellites lost after an unmanned Orbital Space Sciences (OSC) Antares 130 vehicle exploded spectacularly shortly after launch at 2222 UTC on Tuesday, October 28, from the Mid-Atlantic Regional Spaceport on Wallops Island on Virginia's Eastern Shore. Both satellite packages carried Amateur Radio payloads. The Antares is a new medium-class launch vehicle developed by OSC. The rocket exploded about 6 seconds after launch, sending a huge ball of fire hurtling toward the ground, which set a massive fire at the NASA launch site.

The RACE (Radiometer Atmospheric Cubesat Experiment) CubeSat was a joint project between The Texas Spacecraft Laboratory (TSL) at the University of Texas-Austin and NASA's Jet Propulsion Laboratory (JPL). Built by a 30-student team, it carried a 183 GHz radiometer, a new science instrument designed by JPL. The spacecraft was equipped to transmit using GMSK at 38.4 k and CW telemetry on a downlink frequency of 437.525MHz.

TSL's Glenn Lightsey, KE5DDG, a UT engineering professor, oversaw the student project that worked hand-in-hand



with NASA staff in creating a satellite that aimed to measure water vapor in Earth's atmosphere.

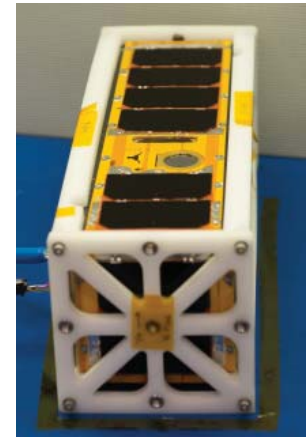
"It's unfortunate, but it is also part of the aerospace industry," Lightsey told the Texas Statesman newspaper. "The nature of building space vehicles is that it is not a 100 percent reliable process. Getting into space is really the hardest part."

The 2U GOMX-2 CubeSat was intended to test a de-orbit system designed by Aalborg University in Denmark. Karl Klaus Laursen, OZ2KK, is listed as the "responsible operator" on International Amateur Radio Union frequency coordination documents. The Amateur Radio payload proposed using a 9.6 k MSK data downlink

on 437.250 MHz. Also on board was an optical communications experiment from the National University of Singapore. The mission also aimed to flight qualify a new high-speed UHF transceiver and SDR receiver built by an Aalborg University team.

The Antares 130 launcher was on a resupply mission, carrying some 5000 pounds of cargo to the International Space Station. RACE, GOMX-2 and the other satellites onboard the rocket were to be launched into orbit from the International Space Station.

The Antares 130 also was carrying the Flock-1d array of 26 satellites as well as Arkyd-3 and Cygnus CRS-3.

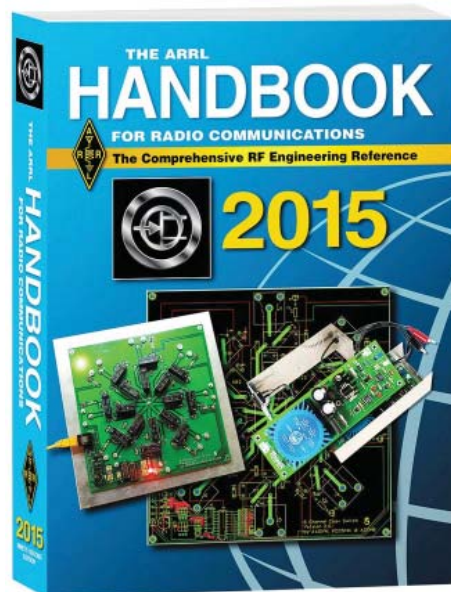


THE 2015 EDITION OF THE ARRL HANDBOOK FOR RADIO COMMUNICATIONS IS NOW AVAILABLE!

The 2015 ARRL Handbook for Radio Communications is now shipping, and, while supplies last, you can get the hard-cover edition for the soft-cover price. The ARRL Handbook provides the theory, practical information, and construction details to expand your knowledge and skill as an Amateur Radio operator and experimenter.

This 92nd edition of The ARRL Handbook is at the forefront of the growing field of wireless telecommunications. The book covers not only the fundamentals of radio electronics — analog and digital — but also offers practical circuit and antenna designs as well as information on computer-aided design, digital operating modes, equipment troubleshooting, and reducing RF interference.

Many projects and construction ar-



ticles are included to help enhance your station and expand your participation as an active radio experimenter.

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The ARRL Handbook is available in hard-cover and soft-cover editions from the ARRL Store or your ARRL Dealer. Hard-cover, ARRL Order No. 0218, ISBN: 978-1-62595-020-8, \$59.95 retail, special offer \$49.95. Softcover, ARRL Order No. 1920, ISBN: 978-1-62595-019-2, \$49.95 retail. Call (860) 594-0355 or, toll-free in the US, (888) 277-5289. Contact Publication Sales for more information.

KP1-5 PROJECT GETS PERMISSION TO ACTIVATE NAVASSA ISLAND (KP1) IN JANUARY 2015

News from ARRL

The KP1-5 Project has received word from the US Fish & Wildlife Service that it may activate Navassa Island (KP1) in January 2015. The DXpedition will be a maximum of 14 days, and exact dates will be determined by USFWS mission requirements and weather windows.

"Our experienced team of 15 is complete and is ready for the challenge," said an October 22 KP1-5 Project news release from President Bob Allphin, K4UEE, and Vice President Glenn Johnson, W0GJ. "The weeks ahead will be extremely busy as the team has less than 90 days before the DXpedition comes on the air."

The announcement explained that January is the month of minimum bird nesting activity and this is the primary reason USFWS is asking that the operation be completed during that month. Weather is unpredictable in January, how-

ever, and because Navassa is surrounded by cliffs, this may preclude a safe landing by boat.

"For safety reasons and in order to maximize our time on the island and on the air, a helicopter operation is planned," the team's news release said. "Navassa is over 100 miles (160 km) from the nearest helicopter staging point, and as many as 10 round trips will be required at the beginning and end of the operation. Obviously, this means that there will be a significant cost for activating this No 1 ranked DXCC entity."

The KP1-5 Project said it will be working with USFWS over the next few weeks, and, as details firm up, it will release additional details. The KP1-5 Project team has committed to fund 50 percent of the DXpedition's tab. "We are hopeful the DX community at large will fund the remainder," The announcement concluded.



RESPONSE FROM ONE CONGRESSMAN ON H.R. 4969

Thank you for contacting me regarding H.R. 4969, the Amateur Radio Parity Act of 2014, introduced by Rep. Adam Kinzinger (R-IL). I appreciate the opportunity to hear your thoughts on this legislation.

I recognize the important public services that the more than 720,000 licensed radio operators in the U.S. often provide, including aiding the Federal Emergency Management Agency during natural disasters and emergencies at no cost to taxpayers. I also understand that sometimes land use restrictions can limit the size and use of antennas for amateur radio, and in some instances ban them outright. While regulations from the Federal Communications Commission (FCC) require municipalities to make a "reasonable accommodation" for amateur radio operators, currently this policy does not apply to private restrictions from homeowners' associations (HOAs).

As you know, H.R. 4969 would direct the FCC to apply the existing reasonable accommodation policy to all types of land uses regulations, including those put forward by HOAs. I understand that many amateur radio operators have serious concerns about HOA restrictions and believe they could ultimately lead to fewer amateur operators in the U.S. However, I also respect the rights of private property owners who want to set reasonable limits on the placement of outdoor antennas in their neighborhoods, and believe we should carefully examine the issue before expanding the FCC's regulations.

Currently, H.R. 4969 is pending before the House Energy and Commerce Committee, which I do not serve on. However, I look forward to reviewing my colleagues' analysis of this legislation, and should this bill come to the House floor for a vote, I will carefully consider it with your thoughts in mind.

RADIO AMATEURS PLAY A ROLE IN SEPARATE STORM RESPONSES

News from ARRL

Amateur Radio volunteers activated on opposite ends of the US late last week and over the weekend as separate hurricanes struck Bermuda and Hawaii. Both regions were prepared and fared well with no deaths, serious injuries, or major property damage reported.

Hurricane Gonzalo

Hurricane Gonzalo, the stronger of the two storms, was a Category 3 hurricane when it made a near-direct hit on Bermuda on Friday, October 17. The Hurricane Watch Net (HWN) and the VoIP Hurricane Net (VoIPWX) were active gathering ground-level weather information from the island and funneling it to the National Hurricane Center's WX4NHC. Storm forecasters at the NHC use reports from radio amateurs to better predict a storm's path or intensity.

The HWN opened on Thursday, October 16, and remained in continuous operation until Saturday, October 18 — some 41 hours all told. The net used a primary frequency of 14.325 MHz and switched to 7.268 MHz to accommodate changing

band conditions.

Hurricane Ana

In Hawaii, the passage of Category 1 Hurricane Ana over the weekend was less dramatic, and the storm skipped the most-populated island of Oahu for the most part. ARRL Pacific Section Manager Bob Schneider, AH6J, reported that ham radio volunteers supported shelter communications as Ana passed by Hawaii, causing heavy rain, large waves, and some minor flooding.

"A request came from American Red Cross to deploy to the shelter at Ka'u High School in Pahala," Schneider said. The school is in the southeastern edge of the Big Island. "Sean Fendt, KH6SF, and I drove 45 miles and set up HF and VHF communications (Sean Fendt's wife Kimberly, WH6KIM, is the East Hawaii DEC).

For the complete article, go to:

<http://www.arrl.org/news/radio-amateurs-play-a-role-in-separate-storm-responses>

CONTEST CALENDAR

Here are a few of the contests that will be held in the next few weeks. Please refer to the contest web sites for full rules, scoring information, operating periods or time limits, and log submission information.

Some of the places on-line with information on contests include:

ARRL Contest Corral Web page	www.arrl.org/contests	ARRL's National Contest Journal	www.arrl.org/ncj
ARRL Contest Update	www.arrl.org/contest-update-issues	Contesting On-Line	www.contesting.com
WA7BNM Contest Calendar	www.hornucopia.com/contestcal/	Contesting Wiki	http://wiki.contesting.com
DX Zone Contesting	www.dxzone.com/catalog/Contesting/	Radio-Sport.Net	www.radio-sport.net/

RADIO CLUB OF AMERICA QSO PARTY			ARRL NOVEMBER SWEEPSTAKES			COLLEGIATE ARC CHAMPIONSHIP					
Nov 1, 1700Z		Nov 2, 0500Z		Nov 1, 2100Z		Nov 3, 0300Z		Nov 1, 2100Z		Nov 3, 0300Z	
3.5-21	-	PHONE		1.8-28	-	CW		1.8-28	-	CW	
RST, QTH, NAME, EQUIPMENT			SERIAL, CATEGORY, CALL, CHECK, ARRL/RAC SECTION			SEE ARRL SWEEPSTAKES					
www.radioclubofamerica.org/			www.arrl.org/contests			www.collegiatechampionship.org/					
ARRL EME CONTEST			JAPAN INTERNATIONAL DX CONTEST			KENTUCKY QSO PARTY					
Nov 8, 0000Z		Nov 9, 2359Z		Nov 8, 0700Z		Nov 9, 1300Z		Nov 8, 1400Z		Nov 9, 0200Z	
-	50-1296	PHONE, CW, DIGITAL		3.5-28	-	PHONE		1.8-28	50	PHONE, CW, DIGITAL	
CALL SIGNS, SIGNAL REPORT, ACKNOWLEDGEMENT			RST AND JA PREFECTURE OR CQ ZONE			RST AND KY COUNTY OR S/P/C					
www.arrl.org/contests			http://jidx.org/			www.wkdx.com					
CQ WE (WESTERN ELECTRIC)			ARRL NOVEMBER SWEEPSTAKES			CQ WORLD WIDE CW CONTEST					
Nov 8, 1900Z		Nov 10, 0500Z		Nov 15, 2100Z		Nov 17, 0300Z		Nov 29, 0000Z		Nov 30, 2359Z	
1.8-28	50-440	PHONE, CW, DIGITAL		1.8-28	-	PHONE		1.8-28	-	CW	
CALL, NAME, BELL QTH, YRS OF SERVICE			SERIAL, CATEGORY, CALL, CHECK, ARRL/RAC SECTION			RST AND CQ ZONE					
http://cqwe.cboh.org/			www.arrl.org/contests			www.cqww.com					

Classified Ads

Items for Sale

Want to Buy



If you have something you would like to have listed in the classified section then please send an email to the newsletter editor at ab9zd@arrl.net.

Say Again?

"My fear is that the whole island [of Guam] will become so overly populated that it will tip over and capsize."

Representative Hank Johnson, Democrat, DeKalb County, Georgia, during a Congressional hearing on March 25, 2010

NEW ADAMS COUNTY 220 REPEATER

The new Adams County 220 Repeater is now on the air. It is at 35 feet and will be elevated further but is now active at our Decatur 470/725 site. The frequency is 224.360 down (222.760) with a tone of 97.4 as the other repeaters. I can bring it up from my house with my Baofeng 5 watt walkie!

Wayne Steury
N9EGT

If you know of any changes, corrections or additions needed to the list of repeaters and local nets on page 11 then please submit them to the newsletter editor AB9ZD (at) ARRL.NET.

Thanks!

Articles, photographs, and classified ads for publication in the Allen County HamNews should be emailed to the newsletter editor at AB9ZD (at) ARRL.NET several days before the first of the month.

The Allen County HamNews is prepared using Adobe's InDesign software along with PhotoShop and Acrobat on an i7 PC running Windows 7.

Membership Application for ACARTS OR FWRC

Name: _____ Call sign: _____ License class: _____
 Street address: _____ City: _____
 State: _____ ZIP: _____ - _____ Phone #: (____) _____ - _____ Unlisted? Yes
 Email address: _____ ARRL Member? Yes

(ARRL membership helps your club maintain affiliation.)

May we list your name, call & email address in our membership roster and on our club web site? Yes No

Both clubs now offer this newsletter as a downloadable (Adobe Acrobat) PDF file, in lieu of a paper copy sent through the mail. For FWRC a mailed paper newsletter is a \$20.00/yr. premium.

How would you like your newsletter delivered? by snail mail download from web site.

A.C.A.R.T.S. Dues	
Regular membership	<input type="checkbox"/> \$12.00 / year
Additional family members ¹	<input type="checkbox"/> \$6.00 / year
Student membership ²	<input type="checkbox"/> \$6.00 / year
Associate membership ³	<input type="checkbox"/> \$6.00 / year
(New Regular memberships are \$1/month)	

Fort Wayne Radio Club Dues	
Regular membership	<input type="checkbox"/> \$20.00 / year
Family membership ¹	<input type="checkbox"/> \$30.00 / year
Student membership ²	<input type="checkbox"/> \$5.00 / year
Associate membership ³	<input type="checkbox"/> \$20.00 / year
Mailed newsletter premium	<input type="checkbox"/> \$20.00 / year
(Memberships for Jul - Dec are 1/2 the stated amounts.)	

1. Please list all names and calls on an attached sheet. 2. K-12 or full time student 3. Unlicensed member

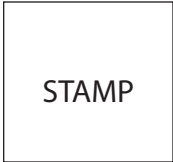
Please attach a check (number _____) for the appropriate amount and bring to a club meeting or mail to:

ACARTS	Fort Wayne Radio Club.
PO Box 10342	PO Box 15127
Fort Wayne, IN 46851-0342	Fort Wayne, IN 46885-5127

For dual membership, send a check to each club for your respective membership. Payment by check is strongly encouraged!

ACARTS AND FWRC REPEATERS		
W9INX		ACARTS
146.880 (-)	Voice	General use / Skywarn priority (Note 1)
147.255 (+)	Voice	General use
443.800 (+)	Voice	General use
144.390 (s)	Digital	APRS - wide
145.530 (s)	Digital	W9INX-1 Digipeater and Node
W9TE		FWRC
146.760 (-)	Voice	General use
146.940 (-)	Voice	General use with autopatch
146.910 (-)	Voice	EchoLink connection repeater Node number 519521
444.875 (+)	Voice	General use
439.25 In, 910.250 Out	ATV	144.340 Audio & control
442.99375	D-STAR	General use (Note 2)
Notes:		
1. For autopatch, 146.880 has only speed dial emergency #'s.		
2. D-STAR, Offset + 5.0 MHz, W9TE ___ B, W9TE ___ G		

AREA NETS					
Daily			Tuesday		
8:00 AM	3.535	Daily (QIN) Indiana Section CW net	8:00 PM	50.580 USB	FWRC 6 Meter Net
8:30 AM	3.940	Daily Indiana Traffic Net	9:00 PM	146.940-	Allen Co. ARES Training Net
6:00 PM	3.940	Daily Indiana Traffic Net	Wednesday		
6:30 PM	146.880-	IMO (alternate is 146.760)	7:00 PM	146.760-	FWRCYL Net
7:00 PM	147.015+	Tri State Two Meter Net	7:30 PM	147.150	21 Repeater Group
8:00 PM	3.535	Daily (QIN) Indiana Section CW net	8:00 PM	145.270	Whitley Co. ARES (131.8 PL disabled)
Week Days			9:00 PM	146.940-	Help and Swap Net
8:30 AM	3.820	Little Red Barn Net	Thursday		
Sunday			7:30 PM	D-STAR	Indiana D-STAR net (Note 3)
8:00 PM	444.550+	Whitley Co. Sunday (131.8 PL)	8:00 PM	50.580 AM	6 Meter AM Net
8:30 PM	1.965 & 146.910-	"No-Name" Net also on EchoLink Node number 519521	8:30 PM	145.510 (s)	Allen County ARES Digital Operations Team Training Net (Note 4)
9:00 PM	145.530	Northeast Indiana Packet Net (Note 2)	Saturday		
			8:00 PM	146.685-	Huntington ARES
Notes:					
1. All times local time. Any changes or corrections should be submitted to the newsletter editor AB9ZD (at) ARRL.NET.					
2. On 145.530 @ 1200 baud. Use unconnected converse mode to communicate for a roundtable net setting. Use your "UNPROTO" command or equivalent to set Digi path(s) through the strongest station(s) needed between you and your destination. Only use those that are necessary! Have all your "Monitor" settings on so you can see everyone.					
3. 1st and 3rd Thursday, Reflector REF024B.					
4. Net starts using BPSK-31 and switches to BPSK-250 after roll call to pass traffic etc. NBEMS suite of software (FLDIGI, FLMSG, and FLAMP) is preferred.					
5. Indiana HF Traffic Nets Web Site: http://www.inarrl.org/inhfnet.html					



To:

Activities Calendar



Date	Time	Event	Place
11/02/2014	1:30 PM	Foxhunt	To Be Announced
11/11/2014	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
11/11/2014	7:00 PM	FWRC Board Meeting	GSUMC
11/15/2014	9 AM - 4 PM	2014 Fort Wayne Hamfest	Allen County War Memorial Coliseum
11/16/2014	9 AM - Noon	2014 Fort Wayne Hamfest	Allen County War Memorial Coliseum
11/18/2014	7:00 PM	ACARTS General Meeting	Salvation Army Facility
11/21/2014	7:00 PM	FWRC General Meeting	GSUMC
12/02/2014	7:00 PM	FWRC Board Meeting	GSUMC
12/09/2014	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
12/12/2014	6:30 PM	FWRC Christmas Banquet	GSUMC
12/16/2014	6:30 PM	ACARTS Christmas Dinner	Salvation Army Facility