

# OLE VIRGINIA TIMES

## November 2012

### Next Meeting: Monday, November 19, 2012

#### PRESIDENT'S LETTER:

Greetings, hope everyone survived the Hurricane Sandy with minimal issues. With the accurate predictions far in advance this time, this storm gave us all an opportunity to prepare. Personally, I prepared the generator by checking operations, easy of implementation, and, of course, fuel supply. We were fortunate in my area to experience only a few short electrical power dropouts; my generator never was actually used. At least one of our members was without power (except generator) for four days, and I've heard some others of also had problems, but we were generally prepared and that in itself is most important.



Just before the storm arrived here, a cousin of mine from near Seaside Heights, New Jersey called to ask if any generators were available here. I checked and found Home Depot had several, and I secured three for him, he drove down the next morning and purchased four generators plus gas cans, oil, batteries, flashlights for himself and his neighbors who expected to be without power for several weeks.

Terry / KC4DV has been very much on top of leading the preparation for the next Manassas Hamfest which will be held on Sunday, June 10, 2013. The second meeting of the Hamfest Committee was held on November 7th. Mark / WA4KFZ completed another Technician License class with excellent results: everyone at VEC session earlier this week passed the test!

Most of you know the OVH is preparing for the 67th Greater Manassas Christmas Parade [ <http://gmchristmasparade.org> ] which will be held this year on Saturday, December 1st. We'll have more information regarding the needed volunteers at the upcoming meeting on November 19th and on the OVH email reflector after that. I hope many of you will be able to assist with communications again this year.

Not be left out or forgotten is the scheduling for the OVH's Year End / Christmas Party which will be held on Sunday, December 9th at 5:30 pm until 8:30 pm at the Yorkshire Restaurant, the same

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# Ole Virginia Hams Amateur Radio Club, Inc.

Post Office Box 1255  
Manassas, Virginia 20108

## OFFICERS

President:	George Tarnovsky	K4GVT	791-5956
Vice Pres:	Wayne Kline	AG4ZZ	791-2100
Secretary:	Theresa Heartney	KG4TVM	257-3556
Treasurer:	Gary Gilham	WG4ARC	932-1118

## DIRECTORS

Don (Butch) Blasdell	W4HJL	369-2877
Arthur Whittum	W1CRO	791-4330
Charlie Dale	WA4YGI	361-3091
Bob Zaepfel	K4HJF	282-2451

## WEEKLY FM REPEATER NET COORDINATOR

Thurs - 8:00 PM Local Time	JOHN / KG4NXT	257-3566
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## HAMFEST 2013

Terry	KC4DV	571-292-1490
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## FIELD DAY 2013

Randy	WB7RAV	393-1494
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## CLUB ROSTER / DATABASE

Arthur	W1CRO	791-4330
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## EDUCATION

Mark	WA4KFZ	818-8033
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## CLUB EMERGENCY COORDINATOR

David Meola	KI4AZX	393-6681
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## ARES - EMERGENCY COORDINATOR

David Lane	KG4GIY	703-628-3868
	email:	KG4GIY@ARRL.NET
Prince William County ARES website		<a href="http://pwcares.org">http://pwcares.org</a>

## FINANCE

Arthur	W1CRO	791-4330
Ruth	KU4WH	331-1234
Gary	WG4ARC	932-1118

## GENERATORS

Steve	N4OGR	361-0008
Keith	KM4AA	909-1512
Al	KB4BHB	368-4794

## HISTORIAN

Theresa	KG4TVM	257-3566
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## WEBMASTER — W4OVH.NET

Paul	W4ZB	754-0910
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## EMAIL REFLECTOR — w4ovh@googlegroups.com

David Lane	KG4GIY	628-3868
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## JOTA

Scott.	KB8NUM	365-2642
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## LEGAL

Bob	K4HJF	282-2451
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## MEMBERSHIP CHAIRMAN

Terry	KC4DV	571-292-1490
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## NEWSLETTER

Paul	W4ZB	754-0910
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## NEWSLINE FOR THE WEEKLY NET

John H.	KG4NXT	257-3566
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## PACKET

Alan	KD4KBX	330-8844
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## PROGRAMS

TBA

## WINTER FIELD DAY 2013

Joe	KI4OHR	369-2639
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## QUARTERMASTER

Steve	N4OGR	361-0008
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## REPEATER CONTROLLERS

Keith	KM4AA	909-1512
Arthur	W1CRO	791-4330
Butch	W4HJL	369-2877
Steve	N4OGR	361-0008
David	KG4GIY	361-3042
George	K4GVT	791-5956
Alan	KD4KBX	330-8844
Russ	WB4HHN	368-6435
David	KG4GIY	628-3868

## W4OVH / W4PVA — TRUSTEE

Keith	KM4AA	909-1512
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## SCHOLARSHIP

Jim	W4JTP	392-0150
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## SUNSHINE

Theresa (Acting)	KG4TVM	257-3556
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## TECHNICAL COMMITTEE

George	K4GVT	791-5956
Arthur	W1CRO	791-4330
Alan	KD4KBX	330-8844
Bill	N4SV	590-9562
Butch	W4HJL	369-2877
Karl	W4KRL	802-1527
David	KG4GIY	628-3868
Bob	K4HJF	335-1939
Keith	KM4AA	909-1512

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The OVH ARC regular monthly meeting is at 7:30 p.m. every third Monday each month at the Prince William County Red Cross Chapter House at 9930 Liberia Avenue, Manassas, Virginia. Members, prospective members and other interested persons are invited to attend. Local information can also be obtained through the OVH's FM repeaters on 146.970-, 224.660-, 442.200+ and 443.500+ MHz or D-Star repeaters on 146.865- and 442.5125+ MHz. Up to date information about OVH activities and its meetings is also available during the OVH's nets on its FM Repeater each Thursday night at 8:00 p.m. or on 80 meters (3710 KHz) LSB each Sunday night at 7:00 p.m. (8:00 pm in Summer) or through the OVH's web site at <http://w4ovh.net>

Articles and quotations in the OVH Times newsletter may be reprinted if credit is given to the OVH ARC and any other noted source. Proposed materials for publication including pictures, articles, letters to the editor, classified ads, notes about specific errors, complaints or the like are solicited from all readers. Forward such items to the OVH Times Newsletter Editor: PAUL@W4ZB.COM as soon as available at any time, but the cutoff deadline for the OVH Times each month (usually the second Monday of the month) may preclude publication/correction until the following month.

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place as in 2011. This is one of the really fun event held by the Club each year and I hope everyone will plan to attend. There are still a few details to be worked out, probably before the upcoming meeting. For last minute information, be sure to check email received from the OVH reflector, the OVH's web site at W4OVH.NET, and on the OVH's Thursday night (8:00 pm) radio net on the OVH's VHF/UHF repeaters.

I hope all can attend the upcoming OVH meeting on Monday, November 19th at 7:30 PM and that all will have a wonderful Thanksgiving.

73 George K4GVT

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## Sunshine Corner:

Birthdays during November - Wayne / N7QLK, Jim / KK4CWO, Theresa / KG4TVM, Butch / W4HJL, Gene / KD4RHC and Charlie / WA4YGI.

Happy Veteran's Day to our veterans who served. Also, Happy Thanksgiving to everyone!

John / WA1STU's wife Shirley is recovering from surgery, very best wishes for a speedy and complete recovery.

Thank you to the Red Cross for their dedication in assisting the victims of SANDY, their efforts are incredible.

Congratulations to Scott KB8NUM for successfully chairing this year's JOTA event held at Gainesville United Methodist Church. Nice turn out from the scouts, every scout that attended received great attention and support from our club members. More later in this Newsletter

The last Try It Now Mini Tri for 2012 was held on Sunday, November 11th with the OVH providing communications support. David / KI4AZX, chair of the mini tri, was unable to attend and handed the reins to Al / KB4BHB to run the event, great participation from the club!

Holiday Party – OVH's Year End / Christmas Party will be held on Sunday, December 9th at the Yorkshire Restaurant on Centreville Road, Manassas Park at 5:30 pm to 8:30 pm. Turkey and Ham will be prepared by the restaurant, drinks will be included. Please bring a side dish or dessert. Also we will be collecting new, unwrapped toys to donate to the Toys for Tots campaign.

On Tuesday, November 13th was a very busy night for the OVH. Mark / WA4KFZ, John / KG4NXT and Steve / N4OGR conducted a VEC examination session for the Mark's students who completed Mark's most recent Tech class. Also on November 13th, Al / KB4BHB was honored at the Prince William Police Department for his participation in Fleet Watch. Congratulations to Mark and Al for promoting ham radio is such a positive light. More about the VEC session results later in this Newsletter; pictures of the Fleet Watch event in the next Newsletter.

The Sunshine Corner column is very short again this month; a replacement is needed for me and I will assist with the transition.

Until someone steps forward as a replacement, please continue to send your news / comments to kg4tvm@hotmail.com or by telephone to 703-257-3566.

73 Theresa KG4TVM

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## Minutes of the Ole Virginia Hams Amateur Radio Club Meeting October 15, 2012:

George / K4GVT called the meeting to order at 7:30 pm on October 15, 2012. Meeting was held at the Prince William County Red Cross Chapter House in Manassas, Virginia.

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Following the Pledge of Allegiance, all present stated their names and call signs. There were 21 OVH members and 6 guests.

Program by Terry / WA5NTI on the PWC 4H Program, Linda King from 4H was in attendance, Terry was a speaker at one of the 4H planning meetings and a video was shown of part of that meeting; Terry will take the lead on organizing a committee to work with the 4H to promote ham radio.

## BUSINESS MEETING

Minutes from the September meeting were approved as read.

Treasurer's report – by Gary / WG4ARC approved as read; he will have final numbers for the 2012 Hamfest at the November meeting.

Membership – Terry / KC4DV read in Susan Geis / KI4AFS (callsign now changed to: N4AAH) and John Zorger / WA1STU and voted in Bryon Dillon / AK4XR.

Repeaters – Keith / KM4AA reported that there have been no changes; George / K4GVT has the ability to link the 443.500 repeater.

Training – Mark / WA4KFZ started his Technician License Class started on October 2nd with 17 students participating. The VEC examination session will be Tuesday, November 13th with walk-ins allowed. Mark contacted by the Loudoun County Civil Air Cadets and will be doing a 2 hour presentation for them; George K4GVT thanked Mark for his great work.

Hamfest – Terry / KC4DV conducted the first planning meeting for the 2013 Hamfest Committee on October 3rd; Joe / KI4OHR is working on several programs for the Hamfest; the next 2013 Hamfest Committee planning meeting will be November 7th (food at 6:00 pm, meeting at 7:00 pm) at Panera's on Liberia Avenue; everyone is invited to attend.

Web Site – Paul / W4ZB requests that all members check their member and email address listing on the member's page at the OVH's web site, W4OVH.NET. Please let him know (email preferred) if you are not listed or any of the information about you is not correct.

JOTA – Scott / KB8NUM reminded everyone that the JOTA event will be this Saturday; setup will begin at 7:30 am and the event will run from 9:00 am – 3:00 pm.

## BREAK

Old Business – Randy / WB7RAV made a motion to name the Red Cross Radio Room in memory of Mary Lu, this motion was approved; Al / KB4BHB made a motion to allocate \$1600 to buy a new ICOM 7200HF and a new Yaesu 8800R as OVH radios, motion approved none against; George / K4GVT will donate the storage boxes and John / KG4NXT will buy the power supply; George / K4GVT and Gary / WG4ARC will negotiate with HRO on the prices.

New Business – Randy / WB7RAV will check on some items for Field Day and have a meeting next month; Steve / N4OGR reported that Manassas Park has asked if we will be able to help with the parade, more information later; George / K4GVT will ask City of Manassas about its Christmas parade.

50/50 – won by Clarence / K4CNM he donated his winnings back to the club.

Meeting adjourned at 9:00 pm

## Reminders about some upcoming events / calendar dates:

### HAMFESTS:

Saturday, February 2, 2013 - Richmond FrostFest. More details at <http://frostfest.com>

### SPECIAL EVENT / PUBLIC SERVICE

Saturday, December 1, 2012 - OVH will be providing communications for the Greater Manassas Christmas Parade. Contact George / K4GVT who is coordinating this event and looking for volunteers to assist for more information.

### SPECIAL EVENT / PUBLIC SERVICE

Sunday, December 9, 2012 - OVH Year End / Christmas Party, 5:30 pm to 8:30 pm, at the Yorkshire Restaurant.

### OPERATING EVENTS AND CONTESTS

Saturday - Sunday, November 17 & 18, 2012 - ARRL SSB Sweepstakes Contest. Many operators and good way to finish up Worked All States. Information at <http://arrl.org/sweepstakes>

There are many operating contests almost all of the time. The excellent web site maintained by WA7BNM at <http://www.hornucopia.com/contestcal/> lists most of them!

### PUBLIC SERVICE / TRAINING / ARES EVENTS

Saturday, November 17, 2012 at 9:00 am - Training Meeting at Prince William County EOC. Check the online Calendar by David / KG4GIY at <http://www.pwcares.org> for latest updates.

David maintains a comprehensive calendar for upcoming events at that web site. Complete direct contact information for David appears on page 2 of this Newsletter.

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## Results of the November 13, 2012 VEC License Examination Session

The VEC examination session was originally scheduled for November 13th at 7:00 pm to be a week after the finish of the Technician License class which was taught by Mark / WA4KFZ. The VEC session was held at the Red Cross location on Liberia Avenue with VEC examiners Mark / WA3KFZ, John / KG4NXT and Steve / N4OGR. At the session, exams were given for the Technician, General and Extra Class licenses.

There were 16 examinees and all were successful at this session, i.e. all obtained either a new, first time, license or an upgrade for an existing license. There was a lot of smiling and cheering as the applicants got word that they had been successful. As of this writing, the new licensees are awaiting the FCC's assignment of their callsigns. The exam session was open to There were more walk-in than usual, including several who had not taken Mark's class.

One of the examinee's was George Sullivan, ex-WD4RPF, a pre-1987 Technician. Back then the content of the Technician written exam was the same as the General exam, but the General had to pass a 13 wpm Morse code test while the Technician only needed to pass a 5 word per minute Morse code test. [There is no longer any Morse code test requirement.] Under a special rule for pre-1987 Technicians, George automatically became a General when he passed the current Technician test! He should be able to get his old callsign back if he wants it.

Two of the examinees were under age 18 and both passed. Gavin Saul (and his dad who also passed the Technician exam) got exposed to and interested in ham radio the booth at the Prince William County Fair in August. Both Gavin and his father attended Mark's class. Lillian Diamond, now in the 10th grade at Battlefield High School, has operated OVH's GOTA HF stations at four past OVH Field Days. She was a self-study examinee. Both of these young people say they intend to go on and get more advanced licenses.

## Spotlight on an OVH Member

### Wayne / AG4ZZ

I joined OVH the same year I got my ticket, in 2002. I am also a member of ARRL, NAQCC, and NOVA QRP. I currently work for the Prince William County Schools as an Electronics Tech, mostly on intercom and CATV systems.

I worked with a ham that got me interested in amateur radio. It was mostly OVH club members who helped me get further oriented in the hobby. I am a dedicated CW (Morse code) operator on HF, and also enjoy working with QRP (low power). I also listen to shortwave broadcasting stations and visit the AM broadcast band for news/talk radio.

Here is the in my ham shack: Kenwood TS480SAT, Yaesu VX5 HT, Kenwood TS520SE, Kenwood THF6A HT, Index Labs QRP+, Icom 703, Rockmite 40m, Homebrew 40m tube Transmitter, ATS-3A 4 Band HF Transceiver, Heathkit HW-8, Yaesu 2m Transceiver and Yaesu Dual Band Transceiver (Mobile).



The antennas I'm currently using are: a wire inverted L doublet fed with ladder line and a 6 element 2m yagi with an armstrong rotator which appears to my neighbors to be TV antenna, my house being the last one in the neighborhood to still feature an outdoor yagi TV antenna!

My shack is in the dining room and everything is stacked on a wheeled microwave cart so I can roll it out for serious use or move it back into the corner for listening.

I enjoy participating in Field Day, special event stations, JOTA, the Manassas Hamfest and Thursday night nets. Sprint contests are fun as are any portable operations.

You can contact Wayne at the club meetings, on the air or email [vegeteria@aol.com](mailto:vegeteria@aol.com).

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An article and an email about operating with the JT65 on the HF bands by OVH members:

### My Fun With JT65 on HF - Arthur R. Whittum, W1CRO

Some ago I read an article written by David Witkowski, W6DTW and Tomas Hood, NW7US, about a digital mode called JT65A. It sounded like fun. It was different. And it was a "weak signal mode", which meant that my lowly dipole might garner some contacts that were not possible using other digital modes. I lost track of the article (CQ Magazine, October 2010) but found a copy on the Internet - here is a link to the two part article <http://nw7us.us/jt65a.html>.

The authors state that "JT65A is actually a 'sub-mode' of the original JT65 protocol (from Nobel prize awardee Joe Taylor, K1JT), which Joe designed to optimize EME contacts on the HF and VHF bands. JT65 includes error-correcting features that make it very robust, even with signals much too weak to be heard. It was later realized that this protocol, with some adaptation, would also be very

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usable for terrestrial HF communications." "Joe" is Dr Joe Taylor, K1JT. Have you heard of WSJT? It is short for Weak Signal/Joe Taylor. Check out Joe's web page at <<http://physics.princeton.edu/pulsar/K1JT/>>. Thanks to Dr. Joe Taylor we have some outstanding software for EME, meteor scatter and weak signal HF work. Also thanks to Joe Large, W6CQZ (now W4CQZ), who branched off from the main WSJT codebase and developed the JT65-HF software package.

I looked at both WSJT and the JT65-HF software packages (both are free, by the way) and selected JT65-HF because it had a "small graphic unit interface" (GUI) that fit better on my little NetBook screen. If you are interested in trying JT65A, please read both the articles written by Witkowski and Hood and the Joe Taylor web page before you start. They contain everything you need to know.

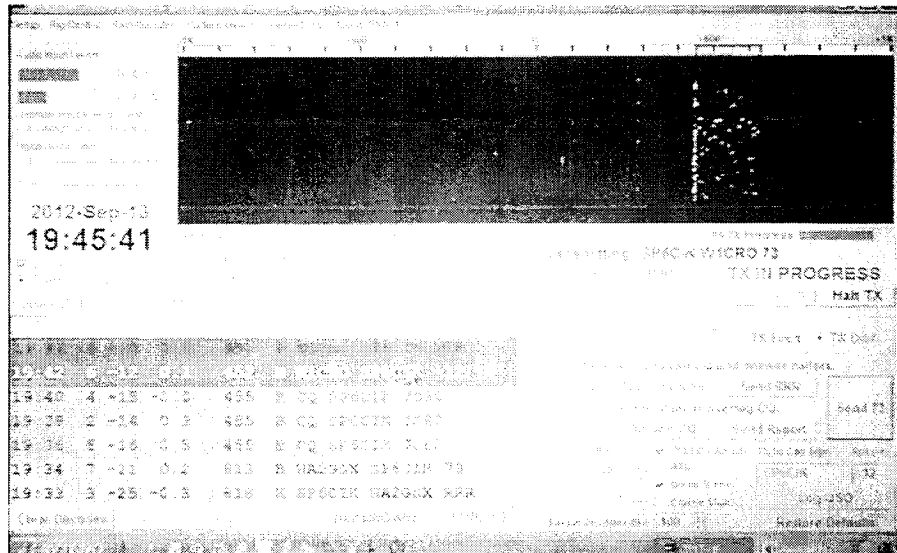
I have used JT65-HF software for JT65A operation on all bands except 1.8 MHz and 5.0 MHz with very good results. This with a good vertical antenna, a poor vertical antenna, a sloping loop only 20 ft off the ground, a 40 meter dipole at 25 ft and an off-center fed dipole at 35 ft. The highest antenna with the largest capture area was best, of course, but I still made contacts in Japan and Australia running 9 watts to a vertical. I need to throw up some more wire for 160 meters and try that band now. Oh - JT65A? It is a short designator for HF; JT65B is for VHF, and JT65C is for UHF.

During JT65A operation from 23 May thru 23 September 2012, I made 507 contacts on almost all bands between 80 meters and 10 meters (I skipped 60 meters because I have never operated that band and first need to get familiar with the channelized operation there). Some of my contacts included individuals that I contacted on more than one band. I never used more than 50 watts to a dipole antenna and usually cruised along at 20 - 35 watts. In some cases I reduced power until I lost contact and then increased power slightly to regain communications. My best contacts were Japan and Australia at 9 watts output.

I usually started on 10 meters and kept going until I ran out of new contacts, then dropped down to 12, then 15, then 17 meters. 20 meters, for me, was a nightmare. Too many signals and trash all over the place - partly because my NetBook sound card isn't that great and I couldn't find the right combination of attenuation and filtering to make things better. So, although I did make some contacts on 20 meters, I generally stuck to the other bands. Perhaps I'll go back

and try again some time. Finally roosted on 30 meters for a while and made some good contacts there. And, then on the last day of this little adventure I finally made it to 40 meters, with a quick dip to 80 meters just to "get one for the log".

Here is a breakdown of contacts: Oops! I just discovered that I lost one of my "dupe sheets". I have 507 contacts uploaded to Logbook of The World (LoTW) and only 489 on my dupe sheets. So one sheet missing. But this will give you an idea of the spread. According to my remaining dupe sheets, I had contacts on the following bands: 80 meters - 1 contact; 40 meters - 7 contacts; 30 meters - 86 contacts; 20 meters - 52



JT65-HF computer screen during a contact

contacts; 17 meters - 142 contacts; 15 meters - 107 contacts; 12 meters - 33 contacts; 10 meters - 61 contacts. The missing sheet would probably show more contacts on 15 and 17 meters. According to LoTW, I have 319 out of 507 confirmed. They show that I worked all US call areas and 47 countries located in North America, South America, the Caribbean, Greenland, Scandinavia, Europe, Asia, Australia and New Zealand. Not bad for four months of part-time contact hunting.

So give it a try. You can find the JT65A operating frequencies here: <<http://hflink.com/jt65/>>. For more encouragement, read the May 2012 QST article "who's on JT65?" by Steve Ford, WB8IMY. Of note is - Sergey Kohno, UR3CTB is mentioned in the article. He is running 30 watts to a low wire dipole. I contacted Sergey on 17 meters using 30 watts to my OCFD which was pretty low at the time. That contact was 4956.8 miles, point-to-point. So it doesn't take a lot of power or a five element beam to make a lot of contacts. I recently raised the OCFD to 65 ft. Now to see it makes any difference.

From: Terry McCarty / WA5NTI  
 To: Art/W1CRO  
 Subject: Quickie WAS using JT65-HF

Well, this has been a good weekend for me. I finally got that "final elusive" QSO - the last state in the pursuit of Worked All States (WAS) on JT65. I worked West Virginia, KD8EZS, on 11-Nov-2012 at 23:28Z down on 80M using "JT65a" mode. It only took me 18 days from start to finish - from downloading the JT65-HF & JT-Alert software to having WAS on the mode - I think that is a new personal record for me! Of all places, who would have expected my next door neighbor, WV, to be the last hold out. Now, we need to convince others in the club to try it. ;- ) JT-65-HF States worked or confirmed: 50 (see table)

State	Callsign	Date & Time	Band	State	Callsign	Date & Time	Band
AK	KL8DX	30-Oct-2012 04:02	40M	MT	KA7HUO	29-Oct-2012 17:42	20M
AL	N4WE	28-Oct-2012 17:32	20M	NC	W4UEF	31-Oct-2012 07:02	20M
AR	WT5ZZ	30-Oct-2012 05:07	40M	ND	N0JE	30-Oct-2012 00:45	20M
AZ	W8FDV	25-Oct-2012 15:15	20M	NE	WD0DMO	25-Oct-2012 02:34	30M
CA	W6NT	27-Oct-2012 03:12	20M	NH	NM1W	28-Oct-2012 20:46	10M
CO	WV7T	29-Oct-2012 04:33	40M	NJ	K2RH	25-Oct-2012 04:00	80M
CT	WA1NGH	30-Oct-2012 04:13	40M	NM	AE5XI	05-Nov-2012 04:13	40M
DE	AB3OF	03-Nov-2012 03:16	80M	NV	WB3JFS	26-Oct-2012 06:28	40M
FL	KK4CIS	25-Oct-2012 00:17	40M	NY	KC9HEK	28-Oct-2012 17:24	20M
GA	KR4IP	28-Oct-2012 16:46	20M	OH	KR5N	24-Oct-2012 23:09	20M
HI	KH6OO	02-Nov-2012 04:53	40M	OK	AA5CK	27-Oct-2012 01:32	20M
IA	W0GN	04-Nov-2012 04:16	80M	OR	K7FET	28-Oct-2012 20:02	15M
ID	N7MNK	24-Oct-2012 04:34	20M	PA	W3BI	02-Nov-2012 02:25	20M
IL	N9DSJ	31-Oct-2012 02:07	40M	RI	WB4SON	06-Nov-2012 01:52	80M
IN	N9WKW	25-Oct-2012 04:40	40M	SC	N4BAF	31-Oct-2012 03:18	80M
KS	W0PSK	28-Oct-2012 20:15	15M	SD	K7RE	29-Oct-2012 16:51	20M
KY	K9AAN	06-Nov-2012 00:23	80M	TN	NS2R	28-Oct-2012 19:56	15M
LA	N5JNX	01-Nov-2012 17:04	20M	TX	AC5T	27-Oct-2012 02:14	20M
MA	KT1B	04-Nov-2012 03:58	80M	UT	KJ7NO	30-Oct-2012 17:39	10M
MD	KG3BOZ	04-Nov-2012 22:37	40M	VA	K0PT	31-Oct-2012 03:44	80M
ME	W2ZEN	27-Oct-2012 01:44	20M	VT	K1LPS	03-Nov-2012 02:16	30M
MI	WB9K	03-Nov-2012 02:30	80M	WA	NY7U	25-Oct-2012 03:13	30M
MN	K0VG	25-Oct-2012 02:43	30M	WI	K9IBM	08-Nov-2012 20:02	20M
MO	WB0LCW	29-Oct-2012 05:23	40M	WV	KD8EZS	11-Nov-2012 23:28	80M
MS	KD5JHE	25-Oct-2012 01:29	80M	WY	KD7RX	28-Oct-2012 20:29	10M



Some Pictures from the October 20, 2012 JOTA Boy Scout event organized by Scott / KB8NUM at the Gainesville United Methodist Church



Communications Provided By

**Ole Virginia Hams**  
Amateur Radio Club

