

## STARS HIGH IN THE NYS QSO PARTY

On Saturday, October 18<sup>th</sup>, the **STARS** Nike Base Station was active from 10 AM to 10 PM with amateurs for the 2014 NYS QSO Party. Operating with special call sign "W2E", **STARS** earned its highest score in recent years, with over 13,000 points. ("W2E" secured for 2015!)

Daylight activities generally used the 40 meter band. However, shortly after 7 PM, operators switched to the 80 meter band. Most out of state QSOs were with amateurs from Ohio, Pennsylvania and Michigan. The furthest QSO was with an amateur from Georgia. Despite the contest setting, **STARS** operators took time to speak with many Boy Scouts operating for the Jamboree on the Air (JOTA). A full account of the activity can be found on page 9.

Contest activities were led by Vice President **John Leitten, KA2RFT**. Members signed in for the contest: **Paul Blachowski, WA2DII**; **Wayne Carpus, W2ZDP**; **Tomm Dean, KA2NXY**; **John Dilivio, K2CF**; **Don Niles, K2PMC**; **Jon Hall, KC2QKB**; and **Bob Koster, KA2WYE**.

## CHINESE AUCTION A SUCCESS!

The Third Annual Chinese Auction was held by **STARS** on Thursday, October 2<sup>nd</sup>, at the Hamburg Memorial Youth Center.

Several dozen people attended. Food was plentiful, as were the gift baskets offered.

There were two separate door prizes, as well as a raffle on a \$150 money tree.

Most attendees enjoyed the event.

Pictures can be found on page 5.

## STARS ELECTIONS THIS MONTH

At the November 6<sup>th</sup> meeting, elections will be held to choose **STARS** officers for 2015.

Those elected will be installed at the annual Christmas celebration/**STARS** meeting to be held on December 4<sup>th</sup>, at the Hamburg Memorial Youth Center.

A list of candidates nominated can be found on the lower left corner of page 2.

Write-in candidates are acceptable.

## CLUB OFFICERS

President	Ken Pokigo, KC2AYK
Vice President	John Leitten, KA2RFT
Secretary	Mettieirene Wagner, KD2DFQ
Financial Sec'y	Judy Levan, N2TEZ
Treasurer	John Czuba, W2IV
Director (1 yr.)	Conrad Barrick, KC2WRV
Director (2 yr.)	Jon Hall, KC2QKB
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Clubhouse Chair	Pat Groom, KC2VWG
Telstar Editor	Tom Dean, KA2NXY
Webmaster	Don Niles, K2PMC

## WE DID NOT GOOF

Know won brought are attention two any mistake in the last issue of *Telstar* .

If ewe sea sum thing wee did knot get rite, lettuce no:



[wb2elw@verizon.net](mailto:wb2elw@verizon.net)

## BLUE AND UNDERLINED

When you see something in *Telstar* in blue letters and underlined, that means it is an Internet link. Hold the "Control" key and click on the link to open.

*Try it!*      ➡      [sample link](#)      (control + click)

## ELECTIONS AT THE NOVEMBER MEETING

The annual election of **STARS** officers will take place at the November 6<sup>th</sup> meeting, with installation expected at the December meeting.

The following nominations were made for 2015:

<b>President:</b>	<b>Kenneth Pokigo, KC2AYK</b>
<b>Vice President:</b>	<b>Scott Barto, KB2KOL</b>
<b>Treasurer:</b>	<b>John Leitten, KA2RFT</b>
<b>Recording Sec'y:</b>	<b>Mettieirene Wagner, KD2DFQ</b>
<b>Financial Sec'y:</b>	<b>Judy Levan, N2TEZ</b>
<b>Director (2 yrs):</b>	<b>Conrad Barrick, KC2WRV</b>

Write in votes for other candidates are acceptable.

## STARS MEETINGS

**STARS** meetings are usually at 7:00 PM on the first Thursday of each month, at the Hamburg Memorial Youth Center, 200 Prospect Avenue (near Hawkins Avenue) in Hamburg.

This month's meeting will be on **November 6<sup>th</sup>**, at 7:00 PM, at the Hamburg Memorial Youth Center.

All are welcome,

The **STARS** board *usually* meets at 7:00 PM on the fourth Thursday of each month at the Nike Base Radio Clubhouse, just west of the Hamburg Town Arena, 2982 Lakeview Road, Hamburg.

However, to avoid conflict with a holiday, this month's board meeting will meet one week earlier, at 7:00 PM on **November 20<sup>th</sup>**, at the Nike Base Radio Clubhouse.

All members are welcome.

## CLUB NETS

Saturdays	10:00 AM	3.925 MHz +/- QRM
Sundays	9:30 AM	28.380 MHz
Sundays	10:30 AM	147.09 MHz (repeater)

# RENEWAL APPLICATIONS DUE JANUARY 1<sup>ST</sup>

It's that time of year again!

Applications for renewal of membership in **STARS** are due on January 1, 2015. A renewal form is on page 10.

# TELSTAR MAILING COSTS INCREASED

Previously, the charge to receive *Telstar* by mail has been \$6 per year. That price covered the \$5.88 for a year's worth of stamps, but did not cover the cost of paper, ink, printing, envelopes or labeling.

At the October board meeting, the charge to receive *Telstar* by mail was increased to \$15. The new price takes effect on January 1, 2015.

# CHANGE CLOCKS

Daylight Savings Time ends and Eastern Standard Time returns on Sunday, November 2<sup>nd</sup>, at 2:00 AM.

Turn clocks back one hour.

Our local time will be UTC (Z) minus 5 hours.

# HALLOWEEN MEAL



# CLOSINGS ON WIVB

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



# NWS SKYWARN TRAINING

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

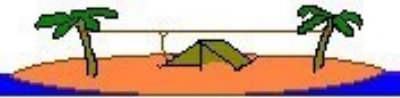
<http://www.erh.noaa.gov/buf/skywarnt.htm>

DATE	TIME	COUNTY	LOCATION	ORGANIZATION
Monday November 17, 2014	6:30 PM	Erie	Erie County Emergency Services Training Center 3359 Broadway Cheektowaga, NY	Erie County Register at: 858-7101 or 858-7109 with name, organization, contact phone # Email: <a href="mailto:ECMRC@erie.gov">ECMRC@erie.gov</a>

# UP with antennas



by Don - K2PMC



This month we are going to discuss the Zepp antenna, more specifically, the End Fed Zepp (EFZ) antenna (Figure 1). The EFZ, like the dipole is a half wave antenna at its fundamental frequency. The Zepp got its name from its use as a trailing antenna on Zeppelin airships. It must be fed with a balanced line, preferably 600 ohms, but could also be fed with 450 ohm ladder line. Over the years many center fed antennas have been developed and called a Zepp of one sort or another. But the Zepp originated as an end fed antenna.

At the end of any antenna the voltage is always at a maximum which means high impedance and reactance. Because of this the standard EFZ employs a transmission line matching stub to attain a reasonable match on the fundamental frequency. As a result, the EFZ is relegated to single band operation. The radiation pattern on its fundamental frequency is identical to that of the Center Fed Dipole.

Figure 1 is a diagram of a non-resonant EFZ. Because it is non-resonant, it can be used as a multi-band antenna.

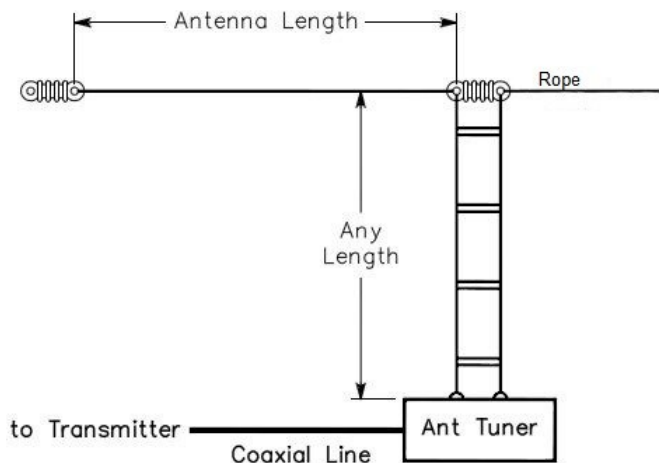


Figure 1

However, as it is true in life, it is also true with antennas. Nothing is really free.

The tuner in your radio, or an external tuner may be able to achieve a reasonable match in the above setup. However, the high voltage and reactance will put a strain on the balun and the tuner. At low power (100W or less) this may be acceptable. At high power, it may very well fracture the balun, or cause arcing in the tuner. The efficiency of the system will also be degraded, regardless of the power level. At QRP levels this could mean the difference between making or not making a contact.

Now I'm going to show you a little trick that you can use to not only make this EFZ into a multiband antenna, but one which, on certain bands, will outperform the Center Fed Dipole.

By adding 10 feet of wire to what would normally be the open leg of the feed line, we are introducing inductive reactance to offset the capacitive reactance at the end of the wire.

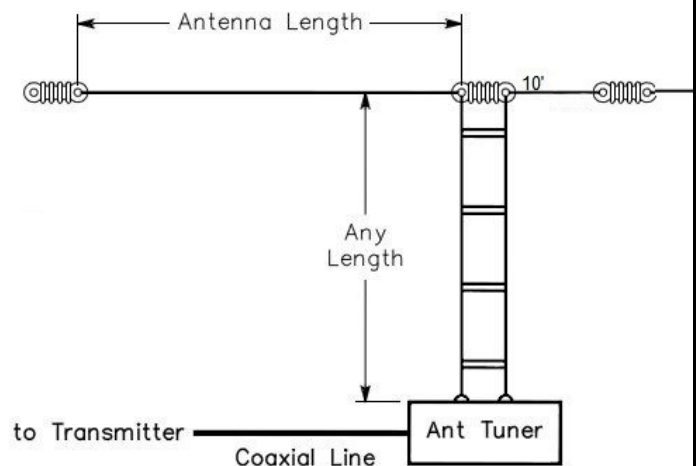


Figure 2

(Continued on page 5)

(Continued from page 4)



Figure 2 above is our EFZ with an additional 10 feet of wire attached at the feed point. I don't want to bury you with numbers, but I will provide one example.

On 40 meters with a power of 1000 watts, the feed point voltage of the Figure 1 antenna is over 5000 volts with an SWR in excess of 65 to 1. With the same power, the antenna in Figure 2 voltage is just over 1300 volts with an SWR just under 4 to 1.

Let's now compare the 20 meter radiation patterns of the antenna in Figure 2 with a conventional Center Fed 40 meter Dipole.

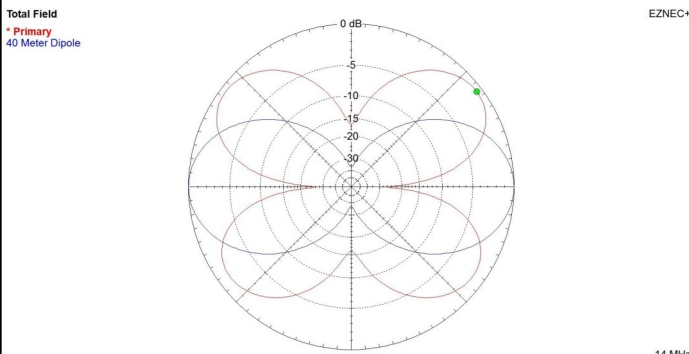


Figure 3

Figure 3 above is an azimuth plot on 20 meters of the 40M EFZ (Red) vs center fed 40M dipole (Blue). The 40 meter dipole exhibits the classic figure 8 pattern while the EFZ pattern more resembles a cloverleaf. This can be an advantage based upon your situation.

The 10' wire can be in line with the antenna as in Figure 2, or at right angles, or vertical. It doesn't make much difference. The only caution is that if the wire is vertical, keep it away from the main feed line.

In my opinion, a 1 to 1 or 4 to 1 balun would work fine. However, I would prefer the 1 to 1.

73 and see you next month,

*Don*

Don, K2PMC

(Editor's note: If you have questions or comments, email Don Niles at: [k2pmc@arrl.net](mailto:k2pmc@arrl.net).)

# CHINESE AUCTION



PHOTOS IN THIS COLUMN PROVIDED BY  
LINDA JABLONSKI, KC2YMM

## AREA VE SESSIONS

11/01/2014

[Jamestown](#)

Sponsor: CARS  
 Location: Prendergast Library  
 509 Cherry Street 2nd fl. Conf. Rm.  
 Time: 2:00 PM (Walk-ins allowed)

11/01/2014

[North Tonawanda](#)

Sponsor: ARA of the Tonawandas  
 Location: North Tonawanda Fire Headquarters  
 495 Zimmerman Street - Training Rm  
 Time: 9:30 AM (Walk-ins allowed)

11/08/2014

[Coudersport PA](#)

Sponsor: Elk County ARA  
 Location: Charles Cole Mem'l Hospital—Conf. Rm.  
 Route 6 East  
 Time: 10:00 AM (Walk-ins allowed)

11/12/2014

[Canandaigua](#)

Sponsor: SQUAW Island ARC  
 Location: Ontario Co. Safety Training Facility  
 2914 County Road 48  
 Time: 6:30 PM (Walk-ins allowed)

11/12/2014

[Niagara Falls](#)

Sponsor: Niagara Radio Club, Inc.  
 Location: Venture Forthe, Inc.  
 3900 Packard Road  
 Time: 6:30 PM (Walk-ins allowed)

11/15/2014

[Erie PA](#)

Sponsor: Wattsburg Wireless Association  
 Location: Greene Twnshp Mun Bldg Rm 114  
 9333 Tate Road  
 (use district justice entrance)  
 Time: 9:00 AM (Walk-ins allowed)

11/15/2014

[Rochester NY](#)

Sponsor: Rochester ARA  
 Location: RIT Gleason Engineering Bldg Rm 3139  
 1 Lomb Memorial Drive  
 Time: 10:00 AM (Walk-ins allowed)

11/15/2014

[Hamburg](#)

Sponsor: **STARS**  
 Location: Hamburg Youth Center  
 200 Prospect Avenue  
 Time: 9:00 AM (Walk-ins allowed)



11/18/2014

[Meadville PA](#)

Sponsor: Crawford ARS  
 Location: St Brigid Church Social Hall  
 383 Arch Street  
 Time: 6:30 PM (No walk-ins)

11/25/2014

[Lancaster](#)

Sponsor: Lancaster ARC  
 Location: Lancaster ARC- Club House Building  
 525 Pavement Road  
 Time: 7:00 PM (Walk-ins allowed)

(control-click on City for more info)



- Free; no charge for examination

## TESTING NEEDS

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

[\(more info\)](#)

# CONTEST CALENDAR



Start and Finish	Contest Title	Sponsor's Website
Nov 1, 0600Z - See website	IPA Contest	<a href="http://www.iparc.de">www.iparc.de</a>
Nov 1, 1200Z - Nov 2, 1200Z	Ukrainian DX	<a href="http://urdx.org/rules.php?english">http://urdx.org/rules.php?english</a>
Nov 1, 1200Z - Nov 2, 1200Z	Himalayan Contest	<a href="http://www.arsi.info/contests/himalayan">www.arsi.info/contests/himalayan</a>
Nov 1, 1700Z - Nov 2, 0500Z	Radio Club of America QSO Party	<a href="http://www.radioclubofamerica.org">www.radioclubofamerica.org</a>
Nov 1, 2100Z - Nov 3, 0300Z	ARRL November Sweepstakes	<a href="http://www.arrl.org/sweepstakes">http://www.arrl.org/sweepstakes</a>
Nov 2, 0900Z - see website	High Speed Club CW Contest	<a href="http://www.highspeedclub.org/">www.highspeedclub.org/</a>
Nov 2, 1100Z - Nov 2, 1700Z	DARC 10-Meter Digital "Corona"	<a href="http://www.darc.de/referate/ukw-funksport">www.darc.de/referate/ukw-funksport</a>
Nov 3, 1630Z - Nov 3, 1730Z	OK1WC Memorial Contest	<a href="http://www.memorial-ok1wc.cz">www.memorial-ok1wc.cz</a>
Nov 4, 0200Z - Nov 4, 0400Z	ARS Spartan Sprint	<a href="http://www.arsqrp.blogspot.com">www.arsqrp.blogspot.com</a>
Nov 6, 1300Z - See website	CWops Weekly Mini-CWT Tests	<a href="http://www.cwops.org/cwt.html">www.cwops.org/cwt.html</a>
Nov 6, 1800Z - Nov 6, 2200Z	NRAU 10m Activity Contest	<a href="http://www.nrau.net/">www.nrau.net/</a>
Nov 7, 0145Z - Nov 7, 0215Z	NS Weekly RTTY Sprint	<a href="http://www.ncccsprint.com">www.ncccsprint.com</a>
Nov 7, 0230Z - Nov 7, 0300Z	NS Weekly CW Sprint	<a href="http://www.ncccsprint.com">www.ncccsprint.com</a>
Nov 8, 0000Z - Nov 9, 2400Z	Worked All Europe DX Contest	<a href="http://www.waedc.de">www.waedc.de</a>
Nov 8, 0000Z - Nov 9, 2359Z	ARRL EME Contest	<a href="http://www.arrl.org/eme-contest">www.arrl.org/eme-contest</a>
Nov 8, 0001Z - Nov 9, 2359Z	10-10 Fall Digital QSO Party	<a href="http://www.ten-ten.org">www.ten-ten.org</a>
Nov 8, 0700Z - Nov 9, 1300Z	Japan International DX Contest	<a href="http://jidx.org">http://jidx.org</a>
Nov 8, 1200Z - Nov 9, 1200Z	OK-OM DX Contest	<a href="http://okomdx.crk.cz">http://okomdx.crk.cz</a>
Nov 8, 1200Z - Nov 9, 2359	Straight Key Weekend Sprintathon	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
Nov 8, 1400Z - Nov 9, 0200Z	Kentucky QSO Party	<a href="http://www.wkdx.com">www.wkdx.com</a>
Nov 8, 1900Z - Nov 10, 0500Z	CQ WE (Western Electric)	<a href="http://cqwe.cboh.org">http://cqwe.cboh.org</a>
Nov 12, 2000Z - Nov 12, 2100Z	RSGB 80m Club Sprint, SSB	<a href="http://www.rsgbcc.org/hf/rules/2014/rsprint.shtml">www.rsgbcc.org/hf/rules/2014/rsprint.shtml</a>
Nov 15, 1000Z - Nov 16, 1000Z	SARL Field Day Contest	<a href="http://www.sarl.org.za/">www.sarl.org.za/</a>
Nov 15, 1200Z - Nov 16, 1200Z	LZ DX Contest	<a href="http://lzdx.bfra.org">http://lzdx.bfra.org</a>
Nov 15, 1200Z - Nov 16, 1159Z	Russian WW Multi-Mode Contest	<a href="http://www.rdclub.ru">www.rdclub.ru</a>
Nov 15, 1600Z - Nov 15, 1800Z	Feld-Hell Turkey Shoot Sprint	<a href="http://www.feldhellclub.org">www.feldhellclub.org</a>
Nov 15, 1600Z - Nov 16, 0700Z	All Austria 160 Meter Contest	<a href="http://www.oevsv.at">www.oevsv.at</a>
Nov 15, 2100Z - Nov 17, 0300Z	ARRL November Sweepstakes	<a href="http://www.arrl.org/sweepstakes">www.arrl.org/sweepstakes</a>
Nov 15, 2100Z - Nov 16, 0100Z	RSGB Second 1.8 MHz Contest	<a href="http://www.rsgbcc.org/">www.rsgbcc.org/</a>
Nov 16, 0000Z - Nov 16, 2359Z	ARS HF Contest	<a href="http://www.arsitalia.it">www.arsitalia.it</a>
Nov 16, 1300Z - Nov 16, 1700Z	Homebrew and Oldtime Contest	<a href="http://www.qrpcc.de/contestrules/hotr.html">www.qrpcc.de/contestrules/hotr.html</a>
Nov 17, 0200Z - Nov 17, 0400Z	Run For the Bacon	<a href="http://www.fqgrp.org">www.fqgrp.org</a>
Nov 20, 0130Z - Nov 20, 0330Z	NAQCC Monthly QRP Sprint	<a href="http://naqcc.info">http://naqcc.info</a>
Nov 21, 1600Z - Nov 21, 2200Z	YO International PSK31 Contest	<a href="http://www.yo5crq.ro/Rules2014EN.htm">http://www.yo5crq.ro/Rules2014EN.htm</a>
Nov 22, 1200Z - Nov 23, 1200Z	LZ DX Contest	<a href="http://lzdx.bfra.org/rulesen.html">http://lzdx.bfra.org/rulesen.html</a>
Nov 26, 0000Z - Nov 26, 0200Z	SKCC Straight Key Sprint	<a href="http://www.skccgroup.com">www.skccgroup.com</a>
Nov 27, 0000Z - Nov 27, 0600Z	Top Band Sprint	<a href="http://www.qrparci.org/contests">www.qrparci.org/contests</a>
Nov 27, 2000Z - Nov 27, 2100Z	RSGB 80m Club Sprint, CW	<a href="http://www.rsgbcc.org/hf/rules/2014/rsprint.shtml">www.rsgbcc.org/hf/rules/2014/rsprint.shtml</a>
Nov 29, 0000Z - Nov 30, 2359Z	CQ World Wide CW Contest	<a href="http://www.cqww.com">www.cqww.com</a>
Nov 29, 0000Z - Nov 29, 2359Z	Full Day of Hell	<a href="http://www.feldhellclub.org">www.feldhellclub.org</a>



(Control + click to activate a link)



For more information on contests: <http://www.arrl.org/contest-calendar>

# SPECIAL EVENT STATIONS

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

11/01/2014	Nevada Sesquicentennial Celebration		
11/01/2014	150 <sup>th</sup> Anniversary of the Quebec Conference		
11/01/2014	SES OO4CLM		
11/01/2014	Frankenstein 2014 Halloween FunExpedition		
11/01/2014	N1A Number One Alabama Crimson Tide Special Event		
11/01/2014	Stuart Air Show / 40 <sup>th</sup> Anniversary of Martin County Amateur Radio Association		
11/01/2014	106 <sup>th</sup> Anniversary of the Berlin Treaty		
11/01/2014	Georgia Tech Homecoming		
11/01/2014	Remembering the Edmund Fitzgerald (Split Rock Lighthouse)		
11/01/2014	VCARA 20 <sup>th</sup> Year Anniversary		
11/02/2014	Extra Hour Special Event Station, 3 <sup>rd</sup> Annual		
11/07/2014	39 <sup>th</sup> Anniversary Sinking of the Edmund Fitzgerald		
11/08/2014	Hillsboro Lighthouse Special Event		
11/08/2014	Honoring Veterans for Veterans Day		
11/08/2014	NCTECH Hamfest Anniversary Station		
11/08/2014	OARC 50 <sup>th</sup> Birthday Celebration		
11/08/2014	Smith Mountain Fire Tower Anniversary		
11/08/2014	USS Cobia WWII Sub Celebrating Vets Day/Commemorating the 52 Subs/Crew Members Lost in WWII		
11/08/2014	Veteran's Day Commemoration		
11/08/2014	Veterans Day and USMC Birthday Special Event		
11/09/2014	150 <sup>th</sup> Anniversary of Pima County, Arizona		
11/11/2014	Veterans Day Special Event		
11/15/2014	151 <sup>st</sup> Anniversary of "The Lincoln's Gettysburg Address"		
11/15/2014	W6SFM Bug Round Up		
11/17/2014	NRA 143 <sup>rd</sup> Birthday Party		
11/21/2014	98 <sup>th</sup> Anniversary of HMHS Britannic Sinking		
11/22/2014	Metro DX Club 35 <sup>th</sup> Anniversary		
11/22/2014	Turkey Islands for Thanksgiving Expedition		
11/22/2014	W6OI and VE9TEN and DL0X Special Event		
11/28/2014	Steamship Portland Commemorative Special Event		
11/29/2014	Battle of Franklin, TN		
11/29/2014	Radio on the Square		
11/29/2014	The First Pilgrim Landing at Plymouth		

## USEFUL INTERNET LINKS

(control + click to use link)

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



# NYS QSO PARTY — 10/18/2014 — STARS

## Statistics

**TOTAL POINTS: 13,530**

**QSOs per hour:**

**STATES: 15 – 66 QSOs**

**PROVINCES: 1 – 15 QSOs**

Hour Starting	#QSOs
1400Z	11
1500Z	11
1600Z	9
1700Z	39
1800Z	36
1900Z	7
2000Z	5
2100Z	4
2200Z	5
2300Z	17
0000Z	27
0100Z	35

STATE	#QSOs
CT	2
DE	1
GA	1
IL	2
IN	3
MA	5
MD	3
MI	8
NC	2
NJ	5
OH	10
PA	18
SC	1
VA	3
VT	2

PROVINCE	#QSOs
Ontario	15

### QSOs by BAND

BAND	#QSOs
20 meter	1
40 meter	123
80 meter	82

### NYS COUNTIES CONTACTED: 49 – 125 QSOs

CNTY	#QSOs	CNTY	#QSOs	CNTY	#QSOs	CNTY	#QSOs
ALB	1	FRA	-	ONE	1	SEN	4
ALL	-	FUL	1	ONO	3	STL	1
BRX	-	GEN	1	ONT	1	STE	2
BRM	3	GRE	2	ORA	-	SUF	8
CAT	1	HAM	3	ORL	1	SUL	-
CAY	1	HER	1	OSW	2	TIO	-
CHA	2	JEF	-	OTS	1	TOM	2
CHE	3	KIN	1	PUT	-	ULS	2
CGO	1	LEW	2	QUE	3	WAR	1
CLI	1	LIV	1	REN	4	WAS	3
COL	1	MAD	1	ROC	-	WAY	11
COR	1	MON	11	RIC	1	WES	3
DEL	1	MTG	1	SAR	4	WYO	2
DUT	5	NAS	4	SCH	5	YAT	-
ERI	8	NEW	-	SCO	1		
ESS	-	NIA	1	SCU	-		



## 2015 STARS MEMBERSHIP RENEWAL

CALL SIGN \_\_\_\_\_ LICENSE CLASS \_\_\_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

PHONE \_\_\_\_\_

E-mail address \_\_\_\_\_

Are you a member of ARRL? YES NO

Do you want to receive your *Telstar* by email? YES NO

If no, please include \$15 additional to cover the cost of printing and postage

### FOR FAMILY MEMBERSHIPS: Additional Names and Calls

CALL \_\_\_\_\_ NAME \_\_\_\_\_ CLASS \_\_\_\_\_

CALL \_\_\_\_\_ NAME \_\_\_\_\_ CLASS \_\_\_\_\_

CALL \_\_\_\_\_ NAME \_\_\_\_\_ CLASS \_\_\_\_\_

DUES: **STARS** Annual dues payable by January 1

SINGLE	\$24
FAMILY	\$27
STUDENT (through Grade 12)	\$8

RETURN COMPLETED FORM AND DUES TO: JUDY LEVAN N2TEZ  
 120 UNIVERSITY AVE  
 DEPEW NY 14043-2974