

Results of the 2015 CQWW 160-Meter Contest

BY ANDY BLANK,* N2NT

Sunspots ... the typical ham on HF looks forward to peak years of each solar cycle, with high numbers of sunspots and a high solar flux providing great DX opportunities. But not on 160. On Topband, the solar cycle advantage is flipped on its head (see sidebar, "A Look Back: 2009-2015"), so peak years — even in a weak cycle like this one — result in fewer contest entries and lower top scores. For example, in 2009, 59 stations scored over one million points ... and that was just on the CW weekend. This year, there were only three stations with million-point-plus totals on CW, and none on SSB. So ... with the added difficulty of operating 160 at solar max considered, let's take a look at this year's results.

CW Results

There were 2,184 logs submitted this year in all categories. The most popular ones remain Single Op Assisted and Single Op Low Power with approximately 700 logs each.

Congratulations go to the crew of HG8DX (HA8DJ, HA8DU, HA8DZ, HA8EK, HA8FM, HA8JV, HA8KW, and HA8RT), which took the combined Multi Op trophy for both modes. On CW, the perennial crew of K8ND and W8WTS edged out the Hungarian crew for top honors ... both just breaking the million-point mark after log checking. A horse race to the end!

Single Op High Power

The only other station to break the million point mark in the entire contest was Harry, RA3AUU, operating P33W Single

director@cq160.com

Op Assisted. Harry scored 1.3 Meg, beating the multi-ops by over 300K!

In the U.S., an interesting propagation result shows in the top 10: A category usually dominated by the Northeast this time has two stations from Texas (K5WA and K5RX) and one from Ohio (K1LT). Also of note is Milt, N5IA in 11th place as N7GP from Arizona. That's a truly remarkable achievement from that side of the country. And the overall winner again ... ho hum ... is Peter, K3ZM! Peter is the new king of 160, this year winning both modes and the combined trophy. The Briggs brothers sure know how to operate Topband. Dennis, W1UE, and Jon, AA1K, were right behind. Dennis was using the W1KM saltwater location, the same secret as K3ZM. AA1K is just a topband genius, operating daily for many years.



The Florida Contest Group orange shirt is well represented by well-known contester George, K5KG.



Uli, DJ9IE, came to the rescue to fill in for the DL9W multi-op team when everyone else took sick!



One of the many low-power stations giving out the rarer countries, Panos, SV1GRD, helps to make the contest successful from Greece.

TROPHY WINNERS AND DONORS

World Single Operator Combined SSB/CW
Peter H. Briggs, K3ZM
Donor: Alex Tkatch, KU1CW

World Multioperator Combined SSB/CW
Szegedi Területi Radioklub
HG8DX
(HA8DJ HA8DU HA8DZ HA8EK HA8FM HA8JV
HA8KW HA8RT ops)
Donor: Top Band DX Club

CW

SINGLE OPERATOR
World
Vladimir Gumennikov (UA2FF), CS2F
Donor: Bill Tippett, W4ZV- DJ8WL Memorial

U.S.A.
Peter H. Briggs, K3ZM
Donor: Howard Klein, K2HK

Canada
Gilles Renucci, VA2EW
Donor: VE2XAA Memorial by
Thor Stefansson, TF4M

U.S.A. - Zone 3
Milt Jensen (N5IA), N7GP
Donor: Bruce Butler - W6OSP Memorial

U.S.A. - Zone 4
Bob Evans, K5WA
Donor: Steve Schmidt, K4WA

U.S.A. - Zone 5
Dennis Egan, W1UE
Donor: Paul H. Newberry, Jr., N4PN

Africa
Mike Stange, 5H3EE
Donor: James "Skip" Riba, WS9V

Asia
Omari Odoshashvili, 4L5O
Donor: Missouri DX/Contest Club

Europe
Patrik Hrvat, 9A5CW
Donor: Emir-Braco Memic, OE1EMS

South America
Andreas Kretzschmar, 9Y4W
Donor: John Rodgers, WE3C

Oceania
Ron Tremayne, VK3IO
Donor: Robert L. Chorlek, AA6VB

Russia
Sergey Kibitsky, R7NW
Donor: UA2 Contest Club

Japan
Masaki Okano, JH4UYB
Donor: Alabama Contest Group

North America
Stan Stockton (K5GO)
ZF2DX
Donor: CQ Magazine - N4IN Memorial

Southern Hemisphere
Fred Calim de Carvalho, PY2XB
Donor: Robert Kile, W7RH

World Assisted
Igor Booklan (RA3AUU), P33W
Donor: Andy Chesnokov, UA3AB

Europe Assisted
Ron Schiltmans (DL3BPC), LX7I
Donor: Carsten-Tomas Dauer, DM9EE

U.S.A. Assisted
Curtis W. Rose, N2ZX
Donor: Akito Nagi, JA5DQH

U.S.A. Assisted - Zone 3
Richard Zalewski, W7ZR
Donor: Larry Pace, N7DD

U.S.A. Assisted - Zone 4
Chuck Cullian, KØRF
Donor: Pete Michaelis, N8TR

World Low Power
Yasar Gocet, TA3D
Donor: Ed Parish, K1EP

U.S.A. Low Power
Mark Bailey, KD4D
Donor: Rich Kennedy, N4ESS

Asia - Low Power
Alim Mammadov, 4K6FO
Donor: Robert Kile, W7RH

Europe Low Power
Dusan Ceha, YU1EA
Donor: Petr Ourednik, OK1RP - DL1RK Memorial

Canada Low Power
Brian Campbell, VE3MGY
Donor: Contest Club Ontario

World QRP
Rene Matthes (DL2JRM), DLØSLG
Donor: Wayne Mills, N7NG

U.S.A. QRP
William Johnson, KVØQ
Donor: Bob Raymond, WA1Z

U.S.A. QRP - Zone 4
Julius Fazekas, N2WN
Donor: Dale Putnam WC7S

Europe QRP
Istvan Vajda (HA3MY), HG3M
Donor: Gary Breed, K9AY

MULTI-OPERATOR
World
CCC, PJ2T
(K8ND W8WTS ops)
Donor: Hugh Valentine, N4RJ

U.S.A.
Krassimir D. Petkov, K1LZ
(K1LZ S55M K3JO ops)
Donor: WØCD Memorial - K8GG W8UVZ

Europe
Szeged Varosi Radioklub, HG8DX
(HA4FF HA8DL HA8DU HA8DZ HA8EK HA8FM
HA8JV HA8KW HA8RT ops)
Donor: Bob Evans, K5WA

ZONE 16
Sergei Fesenko, UX1AA
(UR3ABI UR5AS UX1AA ops)
Donor: Top Band DX Club

ASIA
Serge V. Stikhin, RY9C
(RU9CK UA8DX ops)
Donor: Nodir Tursoon-Zadeh, EY8MM

U.S.A. - Zone 3
Al Van Buren, K7CA
(AA7DJ K7CA K7NJ N7JW W7RH WA7LNU ops)
Donor: Robert L. Chorlek, AA6VB

SSB

SINGLE OPERATOR
World
John Barcroft (K6AM), ZF2AM
Donor: Bill Barr, N4NX

U.S.A.
Peter H. Briggs, K3ZM
Donor: W4PZV/W4SVO Memorial by Rick
Dougherty, NQ4I

Canada
Peter Barron, VE3PN
Donor: Tom Haavisto, VE3CX

U.S.A. - Zone 3
Milt Jensen (N5IA), N7GP
Donor: Dr. Larry Flegle, N4TMW

U.S.A. - Zone 4
Denny Moe, KØTT
Donor: Alabama Contest Group

U.S.A. - Zone 5
Steven Sussman, W3BGN
Donor: Jim Monahan, K1PX

Asia
Omari Odoshashvili, 4L5O
Donor: Ed Campbell, NX7TT

Europe
Karel Javorka (OK2WM), OK1W
Donor: James "Skip" Riba, WS9V

Russia
Pavel Bogachev, RK4FD
Donor: UA2 Contest Club

North America
Alfonso Tamez, XE2O
Donor: CQ Magazine - K2EEK Memorial

South America
Steve Telenius-Lowe, PJ4DX
Donor: John Rodgers, WE3C

Southern Hemisphere
Eduardo Araujo, LU2DKT
Donor: John Rogers, WE3C

World Assisted
Jham Salim Gechem, HK1T
Donor: Ray Sokola, K9RS

Europe Assisted
Gabriele Iuliani (IT9RGY), OM7M
Donor: Bob McGwier, N4HY

U.S.A. Assisted
Bud Governale, W3LL
Donor: Mississippi Valley DX & Contest Club

U.S.A. Assisted - Zone 4
Paul Bittner (NM7X OP), WØAIH
Donor: Pete Michaelis, N8TR

World Low Power
Károly Nyemcssek, HA4XH
Donor: Milt Jensen, N5IA

U.S.A. Low Power
George Verciuc, W8CO
Donor: Tim Duffy, K3LR

Europe Low Power
Mehmet Cevik, TA1CM
Donor: Contest Club Ontario

Canada Low Power
Brian Campbell, VE3MGY
Donor: Rudy Bakalov, N2WQ

World QRP
Vajda Istvan (HA3MY), HG3M
Donor: Mike Schwieterman, K7DSL

MULTI-OPERATOR
World
Szegedi Területi Radioklub, HG8DX
(HA8DJ HA8DU HA8DZ HA8EK HA8FM HA8JV
HA8KW HA8RT ops)
Donor: Southeastern DX Club

U.S.A.
Steve Kostro, N2CEI
(KØDI K4SME N2CEI ops)
Donor: Jerry Rosalius, WB9Z

Europe
Petr Clupny, OK7K
(OK1BN OK1DWP OK1GK OK1GZ OK1NS
OK1VAO ops)
Donor: South Jersey DX Association, N2CW

Zone 3
Dale Jackaman, VE7GL
(VA7AO VA7OO VE7GL ops)
Donor: Paulo, PV8DX

Asia
ZIV AMIT, 4X7A
(4X1TI 4Z4OQ 4Z5TT ops)
Donor: Nodir Tursoon-Zadeh, EY8MM

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For Canada, we have a repeat victory for Gilles, VA2EW, beating John, VE3EJ, by over 100K. That is a formidable margin, since the next three slots were taken by VE3s AT, PN, and MGY; and John's score was 250K + higher. Of note is the next slot by VE6BBP from way out west.

DX Side

Top World honors go to Vlad, UA2FF, operating from CS2F. Vlad almost made the magic 1 meg, but not quite. In second place was ZF2DX, operated by Stan, K5GO. There are mostly Europeans in the top 10, but 4L5O from Georgia notably took the 5th spot. 9A5CW, SV3RF, and OK2W all managed to break 500K! The abundance of multipliers in Europe is a big boost to the scores. HI3CC and KV4FZ from the Caribbean could not crack into the top 10, but managed almost 400K.

Multi Op

Once again Krassy's crew at K1LZ (K1LZ, K3JO, S55M) prevailed in the U.S. The gang from West Creek at W2GD put up a valiant fight, but the propagation favored LZ working more 10-point QSOs. The southerly crews fared very well in the category, with

newcomer KØDI from Florida only 30K behind the W2GD gang. John's crew will be watching their backs in 2016!

N4WW and N1LN both from 4 land were next, along with VE2OJ, tops in Canada. The west coast was well represented by K7CA, N7DD, and N7AT, all around the 300K mark. K7CA's crew took the zone 3 trophy, so I'm guessing Al didn't miss being in Chile too much this year. We thank Al for the many years of CE1 operation and the multiplier.

The battle of World Multi was very close in 3rd/4th place, with S57DX and E7DX only 4k apart after log checking. The battle at the OK Corral (a famous U.S. history story) featured OM7M, OL7M, and OK7K only 30K apart. Somebody had to buy the beer after that one, we will bet.

Assisted

As mentioned before, P33W ran away with this category. The next three world slots were separated by only 50K. LX7I, OM3GI, and RW7K all were around 900K. In all there were 13 Assisted scores over 500K worldwide.

On the other side of the pond, VA2WA led the way with 557K. A newcomer to the top box is Curtis, N2ZX, who won the U.S. trophy! K6ND, operated by

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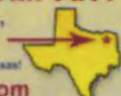
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Charlie, N1RR, was only 4K behind. KØRF from Colorado was in 4th place U.S., right behind Chas, K3WW.

Low Power and QRP

When conditions are not optimal, low power and especially QRP can be a challenge on 160. Congratulations to Mark, KD4D, who had the top U.S. score with almost 250K, beating second-place Howie, WA4PSC (is that really you N4AF?). Last year's winner, Greg, NA8V, was third with 130K. Between 100K and 130K were N7IR, WB8JUI, K9MMS, KIØI, and W4UX. This makes Mark's accomplishment stand out far ahead of the others.

The Canadians also were bunched together, except for the winner, Brian, VE3MGY, with 230K. VE3s OSZ, VSM, DZ, XL were the bunch around 115K. Brian gets the bragging rights at the next CCO meeting.

Jim, K5RX, shows off his complex antenna steering array. This is the kind of dedication it takes to be successful on Topband!

A Look Back: 2009-2015

I thought it might be interesting to plot the progression of the contest in the past six years. I decided to use the aggregate club score totals as an indication of score trends. While the club scores do not provide an exact representation of the contest due to variable participation in each year, they do provide a snapshot of the whole contest.

I plotted the total scores of all clubs for that year against the Solar Flux average taken for that month.



As you can see from the graph, the Solar Flux in 2009 was at the lowest level. That was an unbelievable year. The band sounded like 20 meters and was filled with DX.

Not so much in the high sunspot years, as expected. We are all looking forward to the next sunspot minimum, or at least we Topband enthusiasts are!

By the way, it is worth mentioning the Bavarian Contest Club, which led the club aggregate scores by far in each of those six years. Thanks to the BCC for supporting the CQ 160 Contest and keeping the participation high.



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On the world scene, TA3D had a landslide victory over all comers, with YU1EA second by a margin of over 140K. Being in Asia really makes a difference pointwise. Yasar was actually in 9th place World including High Power stations. Congratulations, Yasar.

Others of note in the top 10 were OK7Y, 4K6FO, and WP3C. The next four spots were separated by only 6K, with SP4DZT, OM3ZWA, LY9A, and HA8BT.

Rene, DL2JRM, repeated his QRP win as DLØSLG (last year as DKØZB). Only 13K separated Rene and HG3M. Both KVØQ and OL4W managed to break 100K QRP. KVØQ more than doubled the next challengers, W2MF and WB4MSG, from the U.S. There were 10 more world scores over 50K, all from Europe.

SSB Results

There were 1,150 logs submitted this year for SSB. Conditions were obviously not great. The world high score belongs to Sal, HK1T, in the Assisted Category. Sal's score



This beautiful shack belongs to Frank, ON9CC, using OT6M in the contest. Here is Aurelio, PC5A, looking very busy at the keyboard.

2015 CQ WW 160M CONTEST CLUB SCORES

(Minimum of 3 three entries required for listing)

SCORE	#ENTRIES	CLUB	SCORE	#ENTRIES	CLUB
14,893,175	189	BAVARIAN CONTEST CLUB	323,150	5	NORTH CAROLINA DX AND CONTEST CLUB
7,514,121	102	POTOMAC VALLEY RADIO CLUB	291,497	10	BRISTOL (TN/VA) ARC
5,631,490	42	CONTEST CLUB ONTARIO	283,488	9	KANSAS CITY CONTEST CLUB
4,781,836	57	YANKEE CLIPPER CONTEST CLUB	276,090	4	IVANOVO DX CLUB
4,312,384	53	FRANKFORD RADIO CLUB	270,288	4	MISSISSIPPI VALLEY DX/CONTEST CLUB
4,226,674	42	KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	256,549	9	HUDSON VALLEY CONTESTERS AND DXERS
		SP DX CLUB	256,273	3	R4F-DX-G
3,606,292	47	RHEIN RUHR DX ASSOCIATION	243,006	6	BERGEN AMATEUR RADIO ASSOCIATION
3,531,767	47	CROATIAN CONTEST CLUB	242,181	6	NEW MEXICO BIG RIVER CONTESTERS
3,445,233	18	SLOVENIA CONTEST CLUB	236,121	8	SHENANDOAH VALLEY WIRELESS ASSOCIATION
3,166,496	17	UKRAINIAN CONTEST CLUB	235,939	3	ORCA DX AND CONTEST CLUB
2,932,317	36	ARIZONA OUTLAWS CONTEST CLUB	233,901	14	NORTHERN CALIFORNIA CONTEST CLUB
2,931,909	42	MAD RIVER RADIO CLUB	213,158	5	NIAGARA FRONTIER RADIOSPORT
2,708,201	12	BLACK SEA CONTEST CLUB	204,125	5	MARITIME CONTEST CLUB
2,543,841	29	CONTEST CLUB SERBIA	198,546	4	1900 CLUB
2,476,139	18	SOCIETY OF MIDWEST CONTESTERS	178,903	3	SRR
2,125,656	62	ITALIAN CONTEST CLUB	176,440	4	DELARA CONTEST TEAM
2,083,355	35	UA2 CONTEST CLUB	165,425	8	SOUTHERN CALIFORNIA CONTEST CLUB
1,908,943	5	URAL CONTEST GROUP	161,772	9	VRHNKA CONTESTERS
1,654,993	16	NORTH COAST CONTESTERS	152,494	7	LA CONTEST CLUB (NORWAY)
1,523,354	12	CONTEST CLUB FINLAND	151,194	12	WEST PARK RADIOPS
1,497,432	16	CONTEST GROUP DU QUEBEC	134,686	5	ROCHESTER DX ASSOCIATION
1,420,786	5	BELARUS CONTEST CLUB	133,571	4	BERWICK CONTEST TEAM
1,396,752	13	TENNESSEE CONTEST GROUP	131,727	4	THRACIAN ROSE CLUB
1,381,319	27	HUNGARIAN DX CLUB	131,363	3	ASG
1,345,704	12	FLORIDA CONTEST GROUP	117,503	4	LOUISIANA CONTEST CLUB
1,227,584	23	BELOKRANJEC CONTEST CLUB	115,435	4	KENTUCKY CONTEST GROUP
1,171,101	10	BOSNIA AND HERZEGOVINA CONTEST CLUB	114,198	4	OBNINSK QRU CLUB
1,143,761	4	MINNESOTA WIRELESS ASSN	106,698	3	RADIOCLUBUL RADU BRATU
1,141,746	32	WORLD WIDE YOUNG CONTESTERS	88,648	3	SUSSEX COUNTY ARC
977,791	8	VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	80,498	4	VERON
891,090	8	RUSSIAN CONTEST CLUB	71,205	4	RU-QRP
862,810	13	OMOM	71,102	4	UTAH DX ASSOCIATION
812,451	3	CATALONIA CONTEST CLUB	70,819	3	ALRS ST PETERSBURG
811,928	5	GIPANIS CONTEST GROUP	66,641	3	PZK
805,181	5	RUSSIAN CW CLUB	65,439	4	SWAMP FOX CONTEST GROUP
768,083	14	GRAND MESA CONTESTERS OF COLORADO	65,421	5	SPOKANE DX ASSOCIATION
746,017	9	EA CONTEST CLUB	64,604	4	MOTHER LODE DX & CONTEST CLUB
633,186	10	SOUTH EAST CONTEST CLUB	57,850	3	CSTA BUCURESTI
617,146	19	NORTH TEXAS CONTEST CLUB	57,566	5	ARI
607,994	5	CENTRAL TEXAS DX AND CONTEST CLUB	49,610	3	CENTRAL SIBERIA DX CLUB
594,181	7	SOUTH URAL CONTEST CLUB	38,579	3	ALLEGHENY VALLEY RADIO ASSOCIATION
577,785	6	DANISH DX GROUP	36,503	6	WESTERN WASHINGTON DX CLUB
534,764	9	LATVIAN CONTEST CLUB	34,616	3	TDR R-CW-C
513,848	9	CHILTERN DX CLUB	29,497	6	DEUTSCH AMATEUR RADIO CLUB
477,476	5	CTRI CONTEST GROUP	28,661	5	METRO DX CLUB
470,633	10	CAROLINA DX ASSOCIATION	25,643	3	PORTAGE COUNTY AMATEUR RADIO SERVICE
444,208	7	CS PANDURII TARGU - RADIOAMATOR	21,524	5	ARAUCARIA DX GROUP
430,852	3	YO DX CLUB	13,070	3	VK CONTEST CLUB
423,652	7	ALABAMA CONTEST GROUP	11,292	3	RADIOCLUBUL QSO BANAT TIMISOARA
422,546	10	DFW CONTEST GROUP	10,919	3	LU CONTEST GROUP
409,744	14	SHAKHAN CONTEST CLUB	8,885	3	CLUB DE RADIO EXPERIMENTADORES DE OCCIDENTE
388,914	3	WILLAMETTE VALLEY DX CLUB	4,473	3	PRIMORSKIY RADIOCLUB
382,965	9	GEORGIA CONTEST GROUP			
336,225	6	DONBASS CONTEST CLUB			
331,324	5				

of 991K is almost double any other score, including Multi Ops. Congratulations, Salim!

Single Op High Power

More than doubling the second highest score in the U.S. was Peter, K3ZM. His motivation had to be the combined CW/SSB trophy to keep him in the chair listening to QRM for all those hours. Steve, W3BGN, was second with W2MF, K3ZO, and K1RZ right behind.

The VE3s were out in force again, with PN, XH, HED, TIC in the top six. VE3s MGY and KZ were also in the top six, but they did it with Low Power. Breaking 100K from Arizona again was Milt at N7GP, taking the zone 3 trophy. Zone 4's winner was KØTT, with NR5M only 5K behind. WD5R was also above the 100K mark.

On the DX side, EU dominated the top 10. OK1W, S57C, and UI2K were next behind ZF2AM as mentioned before. RK4FD made 5th place with the rest of the top 10 from EU.

Multi Op

The combined winners at HG8DX were tops on SSB by 23K over OK7K. A very close battle. Again, the multi ops were dominated by EU, with S57DX, UA2F, YT6T, CR3L, and IZ4DPV all over 300K. In the U.S., the battle was very close for the top four. The same gang that operated KØDI on CW piloted N2CEI from Florida to the top of the Multi Ops. Congrats guys! Second and third place were closely contested by ND8DX and W8PR. After log checking, ND8DX came out on top by only 5K. Quite a battle. VA3ZV and VE3DC clashed for top Ontario Multi and ZV was the winner by only 14K. WG3J and K5GDX also broke 100K.

Assisted

As mentioned before, HK1T just blew away all the competition in this one. Colombia was the place to be. Almost 1Meg, with nobody else even close. Great job Sal!

The Europeans were well represented by OM7M, LY4A, and RW7K all over 300K. In the U.S., W3LL almost doubled 2nd place WX4G's score with WJ2D close behind. VE3CX was second to W3LL with almost 200K.

Low Power and QRP

If this is hard on CW, SSB is just insanely hard.

HA4XH blew everyone away with over 200K low power, more than 50K over VE3MGY. Charlie managed 5th place world including High Power! His antenna farm is impressive, as shown on his QRZ.com page.

TA1CM and YT8A both broke 100K, with EU2EU, 5B4AIF, and LZ5K all close behind. W8CO broke 100K from the U.S.,

A Word About This Year's Contest

There were numerous complaints from contesters and others about the use of the spectrum during the contest. The main problem is the use of 1810 and below during the SSB contest in IARU region 1. We checked the logs for frequency violations, and warning letters were sent to the stations involved. QSOs were also removed if they were made out of the allocated band segments.

Additionally there were some stations found to have signals with excessive bandwidth. Warning letters were also issued, and could result in future disqualification. Some stations were also found to be self spotting on the DX Cluster, and were reclassified.

We encourage everyone to play by the rules, and the committee will do its best to keep the contest fairly adjudicated.

with WA2JQK and N3BUD close to 50K. VE3MGY ran away with Canada with over 150K.

HG3M also blew away the field in QRP. With over 100K after log checking, that is an unbelievable score. DH8BQA and DL8LLR were next in EU, around 40K. KVØQ in the U.S. was actually 2nd place in the world.

Repeat winners

The following stations were repeat trophy winners from 2014. We thank them for their participation, and congratulate them for the achievement.

K3ZM, VA2EW, N7GP, P33W, LX7I, DLOSLG, KVØQ, HG3M, PJ2T, K1LZ, VE3PN, W3BGN, 4L5O, RK4FD, W8CO, and ZF2AM.

Great job guys!

Correction

One correction to the 2014 results. The **Zone 16 Multi Op trophy winner** was shown as UA2F, who is not in Zone 16. The correct winner is **UA4M**.

In Closing

Special thanks to all those helping out to make the contest a success, including: N6TR (log checking), K1DG (trophies), K5TR (webmaster), VE3MGY (records), and W5GN (certificates). If anyone would like a Log Checking Report, send an e-mail to me at <Director@CQ160.com>. Please specify which **mode** you are asking for and the **call sign used**.

Certificates and Trophies will be mailed shortly.

Thanks to all for participating and see you in 2016.

Remember, all CQ Contests have a 5-day deadline for submitting logs. Check out the rules on CQ160.com for the latest information.

- 73, Andy, N2NT

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