



Introduction to Amateur Radio Contesting

Skip Walter, ADØH

January 5, 2017

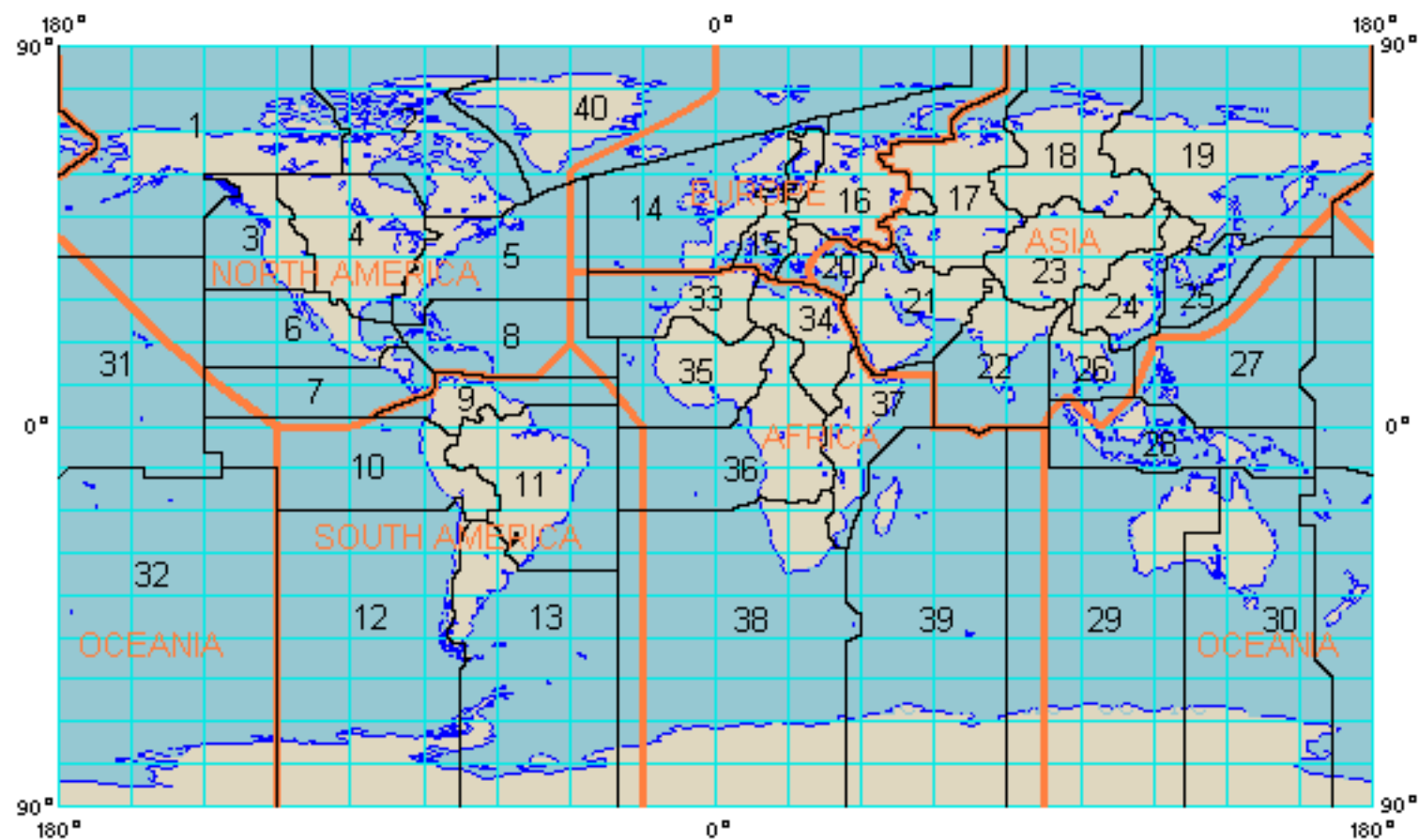
Objectives of Contesting

- Make contacts (a few or a lot)—chances of being heard are better when lots of stations are on the air (but if the band is dead, you still might hear nothing).
E.g., 10 meter contest (Dec. 2016), Iowa stations heard mostly in VA, DE, PA

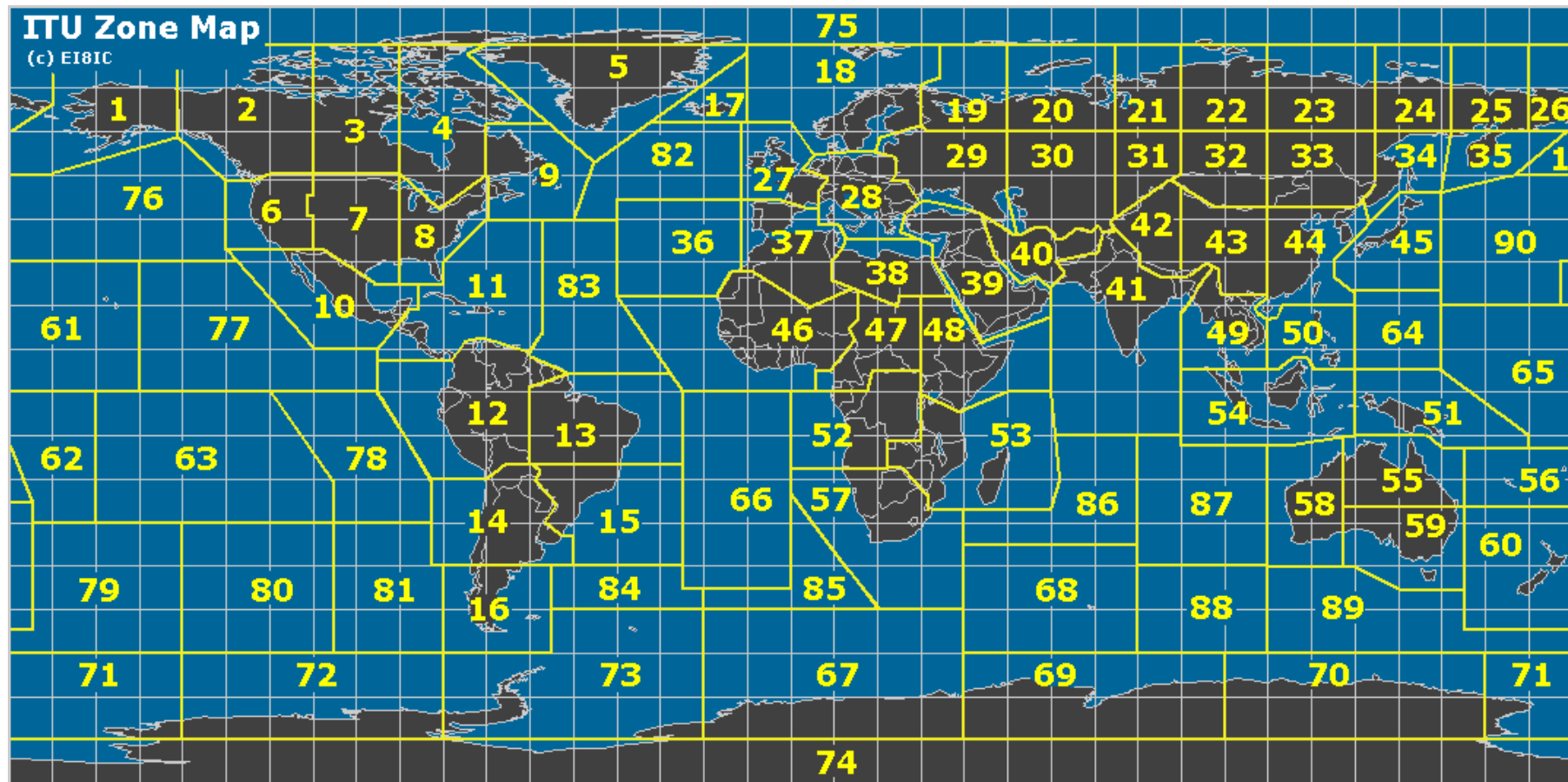
Objectives of Contesting

- Make contacts (a few or a lot)—chances of being heard are better when lots of stations are on the air (but if the band is dead, you still might hear nothing). E.g., 10 meter contest (Dec. 2016), Iowa stations heard mostly in VA, DE, PA
- Work new continents, zones, countries, states, counties, sections, grid squares, ten-ten numbers

CQ MAGAZINE ZONES AND REGIONS



ITU Zone Map



Objectives of Contesting

- Make contacts (a few or a lot)—chances of being heard are better when lots of stations are on the air (but if the band is dead, you still might hear nothing). E.g., 10 meter contest (Dec. 2016), Iowa stations heard mostly in VA, DE, PA
- Work new continents, zones, countries, states, counties, sections, grid squares, ten-ten numbers
- Travel & meet—similar interests, world-wide; e.g., WRTC locations Slovenia, Finland, Brazil, Russia; Pacific DX Assn. in Vancouver

Objectives of Contesting (cont'd)

- Efficient use of time—not to be anti-social but don't ragchew



R.C.C.

QST 

This is to Certify that K 8 T B P

is a member-station of the

Rag Chewers' Club

*and is entitled to all the privileges, prerogatives, rights,
favors, glory, rank, fame, notoriety, popularity and
honor of membership in that worthy organization.*

In accepting this certificate the member agrees to abide by
the published rules of the organization.

The Old Sock
CHIEF RAG CHEWER

4 Dec 1957

Objectives of Contesting (cont'd)

- Efficient use of time—not to be anti-social but don't ragchew
- Learn your equipment—under pressure; can it take it?

Objectives of Contesting (cont'd)

- Efficient use of time—not to be anti-social but don't ragchew
- Learn your equipment—under pressure; can it take it?
- Learn to operate better—mic or key, what to say, when to say it, how to log, can you take it?

Objectives of Contesting (cont'd)

- Efficient use of time—not to be anti-social but don't ragchew
- Learn your equipment—under pressure; can it take it?
- Learn to operate better—mic or key, what to say, when to say it, how to log, can you take it?
- Win a prize—certificate, coffee mug; based on number of contacts or scores

IARU
RADIOSPORT CHAMPIONSHIP
DIPLOMA FOR OPERATING ACHIEVEMENT



369 QSOs, July

1977

Noel Stator
INTERNATIONAL AMATEUR RADIO UNION, PRESIDENT

Harry J. Stanch W2HD
SOCIETY PRESIDENT

IARU

RADIOSPORT CHAMPIONSHIP
DIPLOMA FOR OPERATING ACHIEVEMENT

SECTION
LEADER

WØOYW

#1 CW

NEBRASKA

1978

404 QSOs, July

Noel Steton

INTERNATIONAL AMATEUR RADIO UNION PRESIDENT

Harry J. Stanch W2HD

SOCIETY PRESIDENT

Objectives of Contesting (cont'd)

- Efficient use of time—not to be anti-social but don't ragchew
- Learn your equipment—under pressure; can it take it?
- Learn to operate better—mic or key, what to say, when to say it, how to log, can you take it?
- Win a prize—certificate, coffee mug; based on number of contacts or scores
- **Share your experiences—National Contest Journal**

2013 North American QSO Party and Sprint Rules and Dates!

- Lithuania's Contesting Capital
- The ZL3X Multiop Story
- The Last Contest from KP2A?
- An Arduino-Based Lockout Device
- A Wire 8-Circle Array
- N7WA and the 2012 Salmon Run
- Contesting on the Road
—in *Classic Style*



Top: Rimas, LY3W, in his well-equipped radio shack. Learn about Lithuania's "contesting capital," inside.

Bottom: Rich, N6KT, at D44BS for the 2012 CQ WW SSB. NCJ profiles his ham radio story, inside.

*****ALL FOR ADC 50092
0006041156N CJ4102 ISSUES LEFT 15 P0
C K WALTER
ADQH
P-1 P69
132 BROADMOOR CIR
AMESIA 50010-4851

NCJ: The National Contest Journal
American Radio Today League
225 Main Street • Newington, CT 06111-1494

Contesting on the Road in "Classic" Style

Older TV fans will recall Jean Stapleton (as Edith Bunker) singing the line, "Gee, our old La Salle ain't growin'!" in the theme song of the 1970s TV hit "All in the Family." Last July I was sitting in a parking lot in LaSalle, in Okanogan, Washington, tuning across 15 meters on the Saturday afternoon of the 2012 IARU HF World Championship (www.iaaru.org/plan-hf-championship/). The car was one of 45 classics on the Seattle-Tacoma Horseless Carriage Club's annual "Red Carpet Tour," and, it didn't grow inside the LaSalle my mom IC-706 was connected to an MFJ-2315T 15F Mini-Sock, mag-mounted on the roof. The previous day, when the band was quiet, I'd tuned the new antenna for minimum SWR, but I had yet to make a contact. Another tour driver, an electronics teacher, had noticed the antenna, and his questions indicated that he was familiar with the two bands and he had considered getting a license 20 years earlier.

Thank goodness for WH7F, who heard my reply to his "CQ contest." He confirmed my "59 06" and came back with a report from zone 61, followed by a cheery "Aloha," to complete an impressive demonstration from Hawaii. I explained the format to my lone audience member, and I kept him informed throughout the weekend of how many stations I had worked in the contest.

This unlikely vintage mobile venue got its start with a call from my brother, Don, W7NG, who lives in Seattle and owns the La Salle, nicknamed "Sally." The La Salle was a smaller car (sedans were about 18 inches shorter) made by Cadillac between 1927 and 1940, and it shared engines and many body parts with the Cadillac. For the benefit of car aficionados, Don's LaSalle is a four-door B-body sedan weighing 3635 pounds, with a 322 cubic inch flathead V-8 and a three-speed manual transmission. The electrical system is 6V, positive ground. This means you need a separate 12 V battery to run any radio gear.

Don and I have previously driven Sally to car meets, sponsored by the national Cadillac and La Salle Club, in Santa Clara, Denver, Des Moines and Las Vegas. The group's 2012 meeting was in Florida, however — well outside the comfort zone for a 73 year old automobile. But, when Don received an e-mail about the Horseless Carriage group's July 10–14 trip along Washington Highway 20, through mountain passes up to 5477 feet elevation that Sally had not yet traversed, he was interested and



Figure 1 — The 1930 LaSalle with mag-mount antenna, in Winthrop, Washington.



Figure 2 — Looking over the La Salle's hood toward Washington's snow-capped mountains in July

suggested that I come along as the second driver and bring a mobile rig.

I initially planned to limit my radio activity to 2 meters, as ignition noise had proved excessive during past trips, especially on 20 meters. My search for resistor spark plugs to substitute for the originals had been unsuccessful, as was a tryout with add-on suppressors. Vintage vehicle owners value

factory-original equipment, so further modification was out of the question. But when I checked WA7BMM's contest calendar (www.hornucopia.com/contestcal/) and saw that the IARU event was July 14 and 15, my thinking switched back to HF mobile operation, concentrating on 15 meters, which had suffered less in the past from ignition noise than 20 meters. Also, with the arrival of more favorable sunspot conditions, 15 was open more often, and I had hopes for 10 meter operation during the contest too.

The Horseless Carriage planners helped by scheduling Friday and Saturday nights in Winthrop (altitude: 1765 feet), following the first overnight stop in Mount Vernon, 60 miles north of Seattle. This meant I could set up a station in the motel the evening before the 5 AM (ouch!) start of the contest and then move operations to the car during Saturday's scenic tour. By hanging the "Do not clean this room" tag on the door, I would be able to leave the antenna installation (whatever it turned out to be) undisturbed. My luggage grew with the addition of a 20 meter dipole, fed with RG-8X, an old MFJ antenna tuner and an even older SWR meter. To reduce the curiosity of the TSA inspectors at the airport, I packed the 70L

CW and CK6S and VE6CMV on SSB. After a group dinner in Winthrop, I set my alarm for 4:45 AM and went to bed.

I was still moving slowly as the contest began Saturday morning, with my first 20 meter CW contact coming at 1208 UTC.

the call sign in the dupe sheet. (A Google search had turned up W7RCK's "Field Day Dupe Sheet," which was convenient and basic, having a column for each US call area. I carried copies for each band and mode combination.) I completed the logging process after I arrived back at home, entering

car battery and charger (both carried upstairs into the motel each night for use and recharging, and saving the weight of a separate power supply), the body of the IC-706, and a clipboard holding the radio's control head, a microphone and the Vibroplex paddle — all connected by cables to the radio body. An outboard mobile speaker was fed through an Am-Com ClearSpeech active DSP noise filter, which subdued the ignition noise enough to make 15 meter operation possible.

In 90 minutes of sporadic operation on 15 meter SSB, I made seven contacts, including one with E51TAI in zone 62 (S Cook Islands, a new one for me, and another straight shot from the West Coast). Back in the passenger seat after a tour of the US Forest Service North Cascades Smokejumper Base, I tried CW and added 10 contacts to the log, most with zones 7 and 8 but one with zone 14 (Argentina) to boost my DX count.

After moving rig, battery and charger into the motel, I logged an even dozen Qs on 20 SSB in 48 minutes, including the Czech Republic, Denmark, Germany and Poland, plus zone 1 in Alaska. A late dinner delayed operation until 0440 (9:40 PM local), but I added eight contacts on SSB, including zones 60 and 61 (New Zealand and Hawaii). Before the band went quiet at about 0630, I picked up 10 more contacts on 20 CW in zones 6, 14 and 60. Another session calling stations on 40 CW netted just one additional contact. The lesson was clear: If you want contacts on 40, bring along a 40 meter antenna. With the clock approaching midnight, I set the alarm for 3:45 am and



Figure 3 — The author behind the wheel of the LaSalle

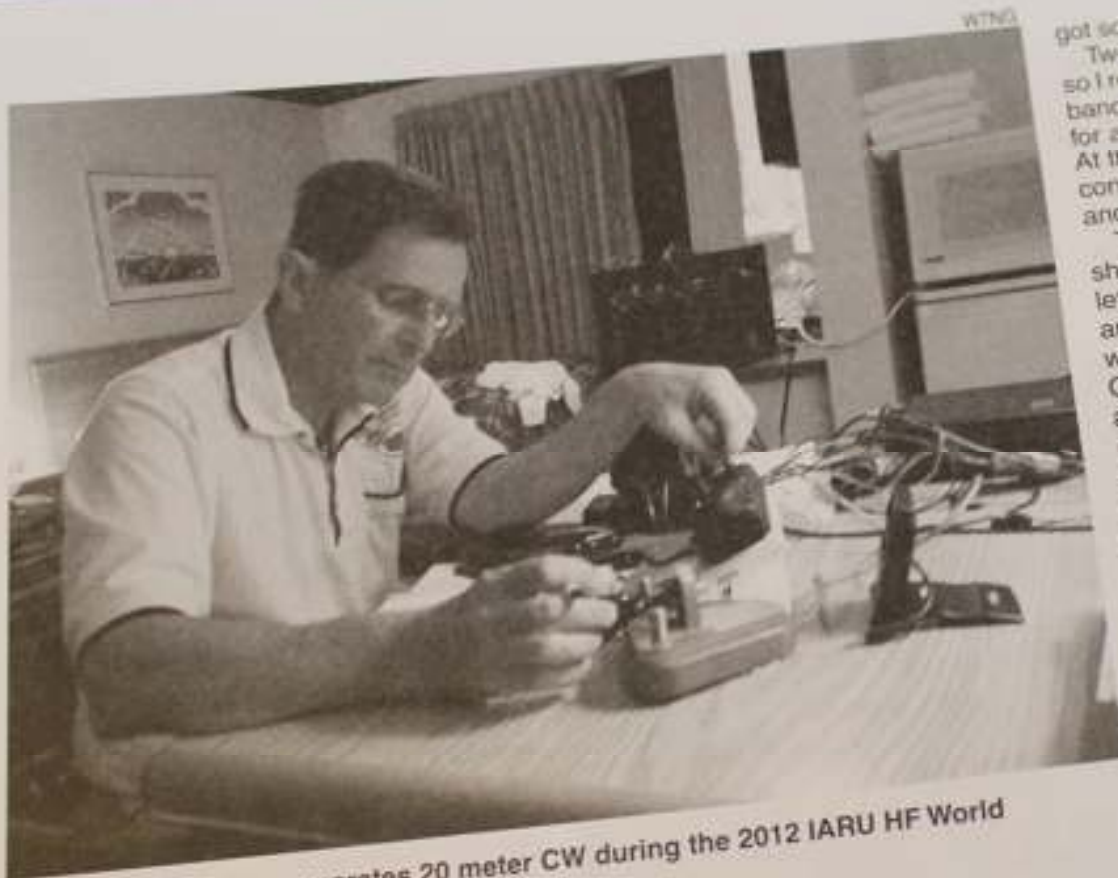


Figure 4 — The author operates 20 meter CW during the 2012 IARU HF World Championship.

got some sleep.

Twenty meters was quiet when I got up, so I reset the alarm for 20 minutes later. The band was still quiet, so it was back to bed for another 20 minutes, and then another. At that point I threw in the towel, since the contest was ending in 10 minutes anyway, and I was very aware of my lack of sleep.

The IARU contest results for ADGH showed 76 QSOs (after one dupe was deleted; yes, Murphy does dupe sheets too), and a claimed score of 5880 points. Sure, I would have been happier with a triple-digit QSO count and more zones, and maybe an opening on 10 meters (which remained quiet whenever I checked), but the contest gave me and others some contacts that would otherwise have been missed, including one new DXCC entity. This operation also largely confirmed the validity of using an unfamiliar mobile antenna and a stealthy dipole at a motel. And the La Salle? Sally made the 587 mile round trip all the way back to Seattle, averaging 11.3 miles per gallon.

NCJ

SuperBertha.com

Ultimate Antenna Systems

Scott Johns W3TX • 814-881-9258 • Sales@SuperBertha.com

Get Your PDF Catalog NOW
at **SuperBertha.com**

...75ft high to 200ft+ high
...55ft high...65ft high
...Your Exact

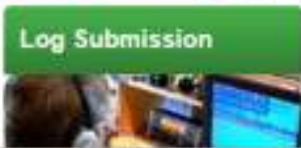
http://www.arrl.org/files/file/Contest%20Line%20Scores/2012/2012-IARU-HF-World-Championships-Scores.pdf									
File Edit Go to Favorites Help									
Cursor jumps all over whil... Cheap Flights to Europe E... The official US time (NIST ... Unified Microsystems SCI... Suggested Sites									
3 / 42 164% Find									
K7MY	1,092	30	13	D	C				
KY7M	884	26	13	D	C	K7VNH (+ WI7J)			
Eastern Washington							47,806	354	53 D C
WA0WWW	42,458	234	71	A	B	K7DAC	6,405	55	35 D C
AD0H	5,562	72	27	A	B	Western Washington			
KC7H	885	23	15	A	B	K7RL	1,286,734	2,020	199 A C
KW7N	6,516	69	36	B	B	N7RVD	17,160	112	52 A C
KK7VL	3,050	44	25	B	B	W7WEC	14,326	117	38 B B
KB7HDX	1,035	25	15	B	B	W7SLS	1,224	28	18 B B
K7GS	8,514	92	33	C	B	AD7MC	1,088	30	16 B B
K7EIQ	4,040	70	20	C	B	K9QJS	350	15	10 B B
WA7LT	341,547	945	111	C	C	W7WA	1,508,046	2,095	222 B C
W6AEA	263,889	835	109	C	C	W7PU	40,782	355	42 B C
Idaho						K2AVI	6,480	76	30 B C
N7VEA	22,184	126	59	A	B	K7QQ	53,235	323	63 C B
AB7LA	9,156	80	42	B	B	K7BX	39,614	255	58 C B
WJ9B	363,465	991	123	C	B	W7QN	13,244	124	43 C B
N7GOA	826	19	14	C	B	AB7RW	7,392	71	32 C B
K0IP	17,621	85	67	D	C	W7VXS	6,700	98	25 C B
W7ZRC	9,879	81	37	D	C	NG7Z	125,050	515	82 C C
Montana						K6KR	4,580	85	20 C C
AE7AP	6,724	56	41	A	B	W7IJ (+ K7LAZ & K7MO)			
KF7IWA	870	47	6	A	B		504,431	831	191 D C
KS7T	174,464	704	94	A	C	W7VJ (+ K0PJ & N7NM)			
KJ9C/7	52,715	309	65	C	B		92,418	386	73 D C
N0BY	1,570,178	2,102	222	C	C	KD7H	7,192	66	31 D C
						KU7T	3,550	50	25 D C

Get started

- When are the contests?
 1. ARRL website



- The ARRL Contest Update
- Contest Calendar**
 - Contest Rules
 - Contest Toolbox & Tutorials
 - Log Submission
 - Logs Received
 - ARRL Staff & CAC
 - Results, Records and Awards



Contest Calendar

ARRL contests for the next 12 months are listed below. A generic ARRL contest calendar is also provided that gives the weekends for all our events, to assist with long-term planning of your contest operations. The Contest Corral files include non-ARRL events.



ARRL 2017-2016 Contest Dates - Ver 1.0c, 17 Oct 2016

January 2017 1 Straight Key Night 7 Kids Day 7-8 RTTY Roundup 21-23 January VHF	February 2017 13-17 School Club Roundup 18-19 International DX – CW
March 2017 4-5 International DX– Phone	April 2017 16 Rookie Roundup – Phone
June 2017 10-12 June VHF 18 Kids Day 24-25 Field Day	July 2017 8-9 IARU HF World Championship



High Quality
HF Antennas for the
Contester and DXer

We Focus on Quality and it
Shows in Everything We Do

www.jkantennas.com

NEW

**EFHW Antennas
NO-TUNER Needed!**

BALUNS, RF Isolators, OCF Dipoles

Get started

- When are the contests?
 1. ARRL website
 2. QST magazine “Contest Corral”

Contest Corral — November 2016

Check for updates and a downloadable PDF version online at www.arrl.org/contests.

Refer to the contest websites for full rules, scoring information, operating periods or time limits, and log submission information.

Start - Finish Date-Time Date-Time				Bands	Contest name	Mode	Exchange	Sponsor's Website
2	2000	2	2100	3.5	UKEICC 80 Meter Contest	Ph	4-char grid square	www.ukeicc.com/which-contest
3	1800	3	2200	28	NRAU 10 Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	www.nrau.net/activity-contests
5	0600	5	1800	3.5-28	IPARC Contest, CW	CW	RST, serial, "IPA" and state	www.iparc.de
5	1200	6	1200	1.8-28	Ukrainian DX Contest	CW Ph	RS(T), 2-letter oblast or serial	urdx.org/rules.php?english
5	1700	5	2100	3.5-14	RSGB International Sprint, SSB	Ph	Your call, other's call, serial, name	www.rsgbcc.org/hf
5	2100	7	0300	1.8-28	ARRL Sweepstakes Contest, CW	CW	Serial, precedence, your call, check, section	www.arrl.org/sweepstakes
6	0600	6	1800	3.5-28	IPARC Contest, SSB	Ph	RS, serial, "IPA" and state	www.iparc.de
6	0800	6	1200	Any	EANET Sprint	CW Ph Dig	RS(T)	www.fediea.org

Get started

- When are the contests?
 1. ARRL website
 2. QST magazine “Contest Corral”
 3. CQ magazine

CQ Amateur Radio

Site Search

Search

CQ Newsroom

Breaking - Current News

Home

Current Issue

Hamfests & Events

About CQ

Subscription Info

Back Issues

Contact Us

CQ Writers' Guide

Advertiser Links

Advertise In CQ

Dealer Info

CQ Awards

CQ Contests

New Ham Info

Amateur Radio Club Listings

Hobby Radio Links Page

[Hamcall.net](#) Callsign Lookup:

Visit **CQ Communications, Inc.**

📘 Find us on Facebook

Annual CQ Contest Calendar

Below you'll find a list of all CQ-sponsored on-air competitions, including contest name, month in which it is held, weekend within that month, issue in which rules appear and issue in which results appear. Click on the "More Info" link for current rules, current and prior results, including expanded results for the CQWW and CQ WPX Contests. Many contest directors have their own web pages with additional information - you'll find a link to these pages in the "More Info" link as well.

Subscribe to CQ Amateur Radio magazine and get the latest CQ Contest dates, rules and results delivered to your mailbox as soon as they're available. [Click here to subscribe or renew today!](#)

Contest	Month	Weekend	Rules Issue	Results Issue	More info
CQ DX Marathon	Jan - Dec	Full Year	Dec.	June	More Info
CQ WW 160 Meter / CW	Jan	Last full weekend	Dec.	Aug.	More Info
CQ WW RTTY WPX	Feb	2nd full weekend	Jan.	Jul.	More Info
CQ WW 160 Meter / SSB	Feb	Last full weekend	Dec.	Aug.	More Info
CQ WW WPX / SSB	Mar	Last full weekend	Feb.	Sept.	More Info
CQ WW Foxhunting Weekend	May	2nd or 3rd full weekend (see rules)	Apr.	Feb.	More Info
CQ WW WPX / CW	May	Last full weekend	Feb.	Nov.	More Info
CQ WW VHF	July	3rd full weekend	Jun.	Jan.	More Info

ORDER TODAY!

2017/2018 CQ Amateur Radio Operators Calendar

15-month calendar
January 2017 through March 2018

Still Only \$10.95
plus shipping

[Click here for more info!](#)

JOIN OUR EMAIL LIST
Breaking Hobby News,
New Product & Issue Alerts!

The NEW Shortwave Propagation Handbook

DX World Guide

QSL

Get started

- When are the contests?
 1. ARRL website
 2. QST magazine “Contest Corral”
 3. CQ magazine
 4. WA7BNM website

Browser window showing the website <http://www.hornucopia.com/contestcal/contestcal.html>. The page displays a calendar of contests for December 2016.

Contests listed include:

- NRAU 10m Activity Contest
- NCCC RTTY Sprint
- QRP Fox Hunt
- NCCC Sprint
- ARRL 160-Meter Contest
- TARA RTTY Melee
- Wake-Up! QRP Sprint
- TOPS Activity Contest
- EPC Ukraine DX Contest
- Ten-Meter RTTY Contest
- SARL Digital Contest
- ARS Spartan Sprint
- QRP Fox Hunt
- Phone Fray
- CWops Mini-CWT Test
- NCCC RTTY Sprint
- QRP Fox Hunt
- NCCC Sprint
- ARRL 10-Meter Contest
- SKCC Weekend Sprintathon
- International Naval Contest
- AWA Bruce Kelley 1929 QSO Party
- CQC Great Colorado Snowshoe Run
- NAQCC CW Sprint
- QRP Fox Hunt
- Phone Fray
- CWops Mini-CWT Test

Contest times and dates are listed in UTC (Zulu time).

Example: 10 meter contest 0000Z Dec 10 to 2400Z Dec 11

The screenshot shows a web browser window displaying the ARRL 10-Meter Contest details page. The browser's address bar shows the URL <http://www.hamradio.com/contests/contestdetails.asp?Cont=10M>. The page features a navigation bar with links: Home, 5-Day, 12-Month, Perpetual, State QSO Parties, CW, QRP, Log Due Dates, Historical, and Customize. The main content area is titled "ARRL 10-Meter Contest" and lists various contest details in a two-column format. A "Contest Details" link is visible in the top right corner. The browser's status bar at the bottom indicates a zoom level of 100%.

Status:	Active
Mode:	CW, Phone
Bands:	10m Only
Classes:	Single Op (QRP/Low/High)(CW/Phone/Mixed) Single Op Unlimited (QRP/Low/High)(CW/Phone/Mixed) Multi-Single (Low/High)
Max operating hours:	36 hours
Max power:	HP: 1500 watts LP: 150 watts QRP: 5 watts
Exchange:	W/VE: RST + State/Province XE: RST + State DX: RST + Serial No. MM: RST + ITU Region
QSO Points:	2 points per Phone QSO 4 points per CW QSO
Multipliers:	Each US State + DC once per mode Each VE Province/Territory once per mode Each XE State once per mode Each DXCC Country once per mode Each ITU Region (MM only) once per mode
Score Calculation:	Total score = total QSO points x total multi
E-mail logs to:	10meter[at]arrl[dot]org
Upload log at:	contest-log-submission.arrl.org
Mail logs to:	10 Meter Contest ARRL 225 Main St. Newington, CT 06111 USA
Find rules at:	http://www.arrl.org/10-meter

Future Dates

ARRL 10-Meter Contest

Status:	Active
Mode:	CW, Phone
Bands:	10m Only
Classes:	Single Op (QRP/Low/High)(CW/Phone/Mixed) Single Op Unlimited (QRP/Low/High)(CW/Phone/Mixed) Multi-Single (Low/High)
Max operating hours:	36 hours
Max power:	HP: 1500 watts LP: 150 watts QRP: 5 watts
Exchange:	W/VE: RST + State/Province XE: RST + State DX: RST + Serial No. MM: RST + ITU Region
QSO Points:	2 points per Phone QSO 4 points per CW QSO
Multipliers:	Each US State + DC once per mode Each VE Province/Territory once per mode Each XE State once per mode Each DXCC Country once per mode Each ITU Region (MM only) once per mode
Score Calculation:	Total score = total QSO points x total mults
E-mail logs to:	10meter[at]arrl[dot]org
Upload log at:	contest-log-submission.arrl.org
Mail logs to:	10 Meter Contest ARRL 225 Main St. Newington, CT 06111 USA
Find rules at:	http://www.arrl.org/10-meter

Future Dates

Operating desk

Radio

Yaesu FT-2000 on right (for a right-hander)

Amplifier

Amertron AL800H



Operating desk (cont'd)

Outboard items:

Footswitch (hands free)

Dog, Romeo

Heil BM-10 mic & earphones (hands free)

Vibroplex Brass Racer paddle









Operating desk (cont'd):

Keypad (FH-1, left of key)

Memories:

1 ADØH

3 5NN IA

2 CQ CQ ADØH ADØH TEST

4 QRZ ADØH

Operating desk (cont'd):

Keypad (FH-1, left of key)

Memories:

1 ADØH

3 5NN IA

2 CQ CQ ADØH ADØH TEST

4 QRZ ADØH

Logging computer and software

N3FPJ on Dell laptop

(on left for typing by left hand or both)



Operating desk (cont'd):

Antenna controls

Yaesu G-800DXA rotor control (on top of tuner)

Steppir (left of radio) 3 elements at 39 ft.

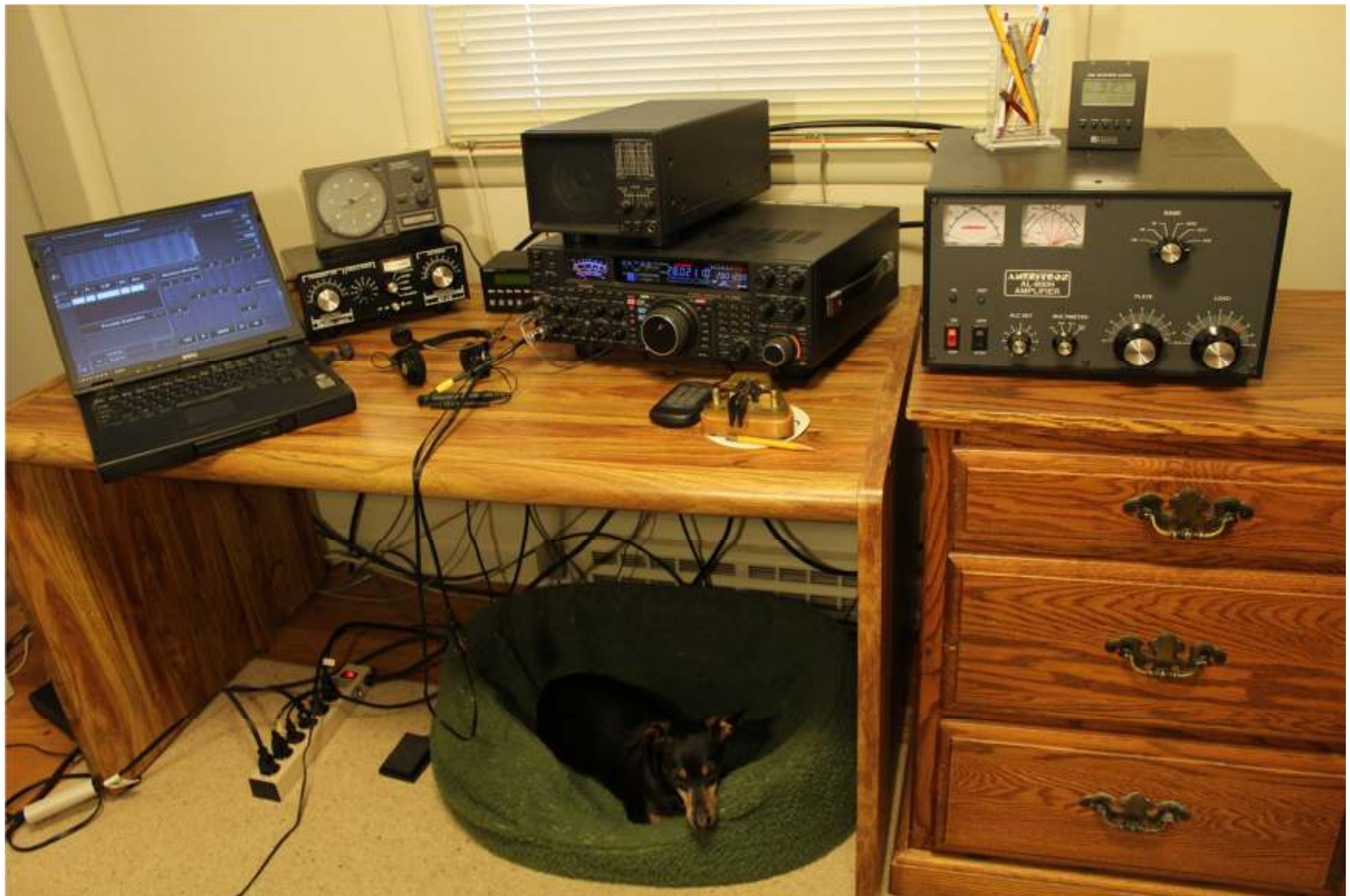
Dentron AT-1K tuner (further left) for lower frequency antennas: dipole, G5RV, vertical, loop













Making contacts: Basic decisions

- What band? Depends on time of day and conditions. No time to listen when you could be making contacts. Example: December contests-- 160 meters and 10 meters.
- What mode? Some contests (e.g., Field Day) include c.w., phone, & digital; scored differently. I chose c.w. for most points in limited time, possibly fewer entries.

Making contacts: The Exchange

- A valid contact requires accurate receipt of specified pieces of information. The 10 meter contest requires only:
 - Callsign
 - Signal report (by convention, nearly everyone sends 599 for c.w., 59 on phone)
 - State or province for stations in U.S., Mexico or Canada, contact number for DX

Making contacts: The Exchange (cont'd)

- 160 meter contest similar but QTH shown by ARRL section
- By contrast, the ARRL Sweepstakes requires:
Serial number; precedence letter (Q, A, B, U, M, S);
sender's call sign, last 2 digits year licensed, section
(83 of them)

Making contacts : Hunt and pounce vs. call CQ

H&P--for relaxed operators and low power. Start at one end of the band (for your mode) and tune slowly until you find a station calling CQ or working someone; note their call. When they stop, immediately send your call (e.g., ADØH or phonics Alpha Delta Zero Hotel). They might reply by saying “ADØH 59 Virginia.” You have a few seconds to write or type “59 VA” and send without delay “59 Iowa” (he already has your call). Listen for a confirming “QSL” or “thank you” (or “R” or “TU” on c.w.) or they will call QRZ or CQ again.

Making contacts (cont'd)

If contact was not made, call again when he breaks or sends CQ or QRZ; vary waiting time from immediately to a few seconds. If others are also calling him (a pile-up), he may hear the tail end of your call. If he replies with part of it, give your whole call again, and again, as necessary. Remember, the other station wants a contact for the points you can provide. Follow his lead, until you have a good exchange or he says “sorry, maybe later.”

Making contacts: Trouble

- If the other station has your call incorrect (e.g., if he sends mine as ADØS on c.w.), then send or say your call before sending the rest of the exchange to indicate he needs to pay attention to your call. Contest sponsors cross-check logs to be sure that both stations copied all the required information correctly.

Making contacts: Trouble (cont'd)

- If you are not sure that you have recorded his exchange correctly, ask for repeats: “your section, your section” or simply “again.” Or listen for the station to make another contact. If you’re still not sure, the Ohio/Penn DX Bulletin says to “Work First Worry Later.” The log checker will edit it out.

Making contacts: When to call CQ

- If the band is not active (but not dead) and you want see if others can hear you.
- If you want to get a high score are prepared for a hectic time, have a good signal and are putting out a needed section or prefix. Find a frequency not on top of other contacts and give a short call: “CQ contest, CQ contest, ADØH Alpha Delta Zero Hotel, contest” or variations of that, with no extra words of invitation; no need to say “over” or “lowa section” or “please call ADØH.”

Making contacts: Calling CQ (cont'd)

- A successful call will result in several stations calling you at the same time. Expect stations to send their call once. If they don't hear you respond with their call, they might send it again. Often you won't hear a complete call from anyone but may hear one or more letters. Repeat those letters; e.g., if all you hear from W8LuckyTiger is "Tiger," say "Tiger," and listen for the rest of that call.

Making contacts: Calling CQ (cont'd)

- Ask for repeats, if necessary, or say “no copy,” anything to keep the conversation going between you and W8LT. If you still cannot copy him, say “no copy, QRZ” and listen for one of the other stations. While you are digging out the multiple calls, you need to be taking notes or entering the next call on your computer (be ready to edit).

Making contacts: Calling CQ (cont'd)

- If calling CQ does not result in a contact, keep calling, both to generate contacts and to occupy the frequency. But don't engage in too many informal comments, like "good luck in the contest" which wastes time and your voice; a brief "thank you," or occasional "thanks for a new one" is OK. Remember, for a high score you will be doing this for hours.
- Some contest operators sound like fast-talking disk jockeys on caffeine. I speak or send more deliberately and hope that draws attention.

After the contest: Submit your log

- “Cabrillo format” is now standard for radio contests.
 - Logging programs provide this format.

File name: 161127AD0Hcqwwcw85.txt
Size: 12 KB
Last changed: Sunday, November 27, 2016

Message 161127AD0Hcqwwcw85.txt (12 KB)

START-OF-LOG: 2.0
CREATED-BY: N3FJP's CQ World Wide Log 2.6
CONTEST: CQ-WW-CW
CALLSIGN: AD0H
CATEGORY: SINGLE-OP ALL HIGH
CLAIMED-SCORE: 18360
OPERATORS: AD0H
CLUB: Story County Amateur Radio Club
NAME: C. K. Walter
ADDRESS: 132 Broadmoor Circle
ADDRESS: Ames, IA 50010
ADDRESS: (e-mail) cwalter@iastate.edu
SOAPBOX: Hardest 85 contacts I ever made in a contest.
SOAPBOX:
SOAPBOX:
QSO: 14000 CW 2016-11-26 0028 AD0H 599 04 PX2V 599 11
QSO: 14000 CW 2016-11-26 0033 AD0H 599 04 CX1AA 599 13
QSO: 14000 CW 2016-11-26 0036 AD0H 599 04 LW3DG 599 13
QSO: 14000 CW 2016-11-26 0043 AD0H 599 04 PS2T 599 11
QSO: 14000 CW 2016-11-26 0050 AD0H 599 04 CW5W 599 13
QSO: 14000 CW 2016-11-26 0054 AD0H 599 04 LP1H 599 13
QSO: 7000 CW 2016-11-26 0131 AD0H 599 04 VE3MIS 599 04
QSO: 7000 CW 2016-11-26 0133 AD0H 599 04 VE3YAA 599 04
QSO: 7000 CW 2016-11-26 0540 AD0H 599 04 VE7SV 599 03
QSO: 7000 CW 2016-11-26 0606 AD0H 599 04 KG4MSR 599 08
QSO: 14000 CW 2016-11-26 1455 AD0H 599 04 DR4A 599 14
QSO: 14000 CW 2016-11-26 1456 AD0H 599 04 R7LV 599 16
QSO: 14000 CW 2016-11-26 1500 AD0H 599 04 9A1A 599 15

After the contest: Submit your log

- “Cabrillo format” is now standard for radio contests.
 - Logging programs provide this format.
- WB7BNM has an application to translate your paper log into Cabrillo format.

←

→

http://www.b4h.net/cabrillo/

DirectionsAce

MyWay

Cabrillo We... X

File Edit View Favorites Tools Help

Cursor jumps all over whil...

Cheap Flights to Europe E...

The official US time (NIST ...

Unified Microsystems SCI-...

Suggested Sites ▾

»

▾

▾

▾

Page ▾

Safety ▾

Tools ▾

▾

Cabrillo Web Forms

Use these forms to manually enter log data to produce a Cabrillo file and submit it to a contest sponsor. The forms are designed for contesters who used paper logging or logging software that doesn't produce a Cabrillo file.

ARRL Contests

- 2016 ARRL 10-Meter Contest
- 2016 ARRL 160-Meter Contest
- 2016 ARRL Field Day Entry Form (non-Cabrillo summary form)
- 2016 ARRL International DX Contest, CW
- 2016 ARRL International DX Contest, Phone
- 2016 ARRL January VHF Contest
- 2016 ARRL June VHF QSO Party
- 2016 ARRL RTTY Roundup
- 2016 ARRL September VHF QSO Party
- 2016 ARRL Sweepstakes, CW
- 2016 ARRL Sweepstakes, SSB

CQ Contests

- 2016 CQ 160-Meter Contest, CW
- 2016 CQ 160-Meter Contest, SSB
- 2016 CQ WW DX Contest, CW
- 2016 CQ WW DX Contest, RTTY
- 2016 CQ WW DX Contest, SSB
- 2016 CQ WW RTTY WPX Contest
- 2016 CQ WW VHF Contest
- 2016 CQ WW WPX Contest, CW

Note: Contest sponsors should contact [WA7BNM](#) if you would like Cabrillo web forms available for other contests.

100%

After the contest: Submit your log

- “Cabrillo format” is now standard for radio contests.
 - Logging programs provide this format.
 - WB7BNM has an application to translate your paper log into Cabrillo format.
- Email (e.g., ssb@cqwpx.com) with ADØH as the subject; attach Cabrillo log file; send (deadlines now in days).



FILE

MESSAGE



Mon 3/28/2016 8:55 AM

Walter, Clyde K

AD0H

To: 'ssb@cqwpx.com'

Message

160327AD0HcqwpSS8490.cbr (46 KB)

AD0H - Message (HTML)



FILE

MESSAGE



Tue 12/6/2016 11:39 AM

unreplyable@arrrl.org

AD0H

To: Walter, Clyde K.

Congratulations, you've successfully uploaded your ARRL 160 Meter Contest contest log. Your confirmation number is 4343949.arrrl-160

Thank you for entering the contest and submitting your log via the ARRL's web form. Please review the information listed below and, if necessary, resubmit your log to make any corrections. If you have any questions about your log, please contact the Contest section at contests@arrrl.org.

Analysis of your uploaded log:

Contest: ARRL-160

Call Sign: AD0H

Category: Single Operator, High Power

Operator: SINGLE-OP - Created from: Number of operators question (Answer: Only one)

Assisted: NON-ASSISTED - Created from: Spotting assistance question (Answer: No)

Power: HIGH - Created from: Highest power question (Answer: More than 150W)

Location: IA

Club: STORY COUNTY AMATEUR RADIO CLUB

E-mail: CWALTER@IASTATE.EDU

QSOs in Log: 276

Confirmation: 4343949.arrrl-160

Log received at: 2016-12-06 17:38:35 UTC

Some results:

December 2016

276 QSOs in 160 meter contest, c.w.

194 QSOs in 10 meter contest, c.w.



THE AMERICAN RADIO RELAY LEAGUE
NEWINGTON, CONNECTICUT

50TH ARRL NOVEMBER SWEEPSTAKES
1983

ADØH

*is awarded this certificate for participation
in the 50th ARRL November Sweepstakes as documented
in the May 1984 issue of QST.*

Larry E. Price, W4RA
President, ARRL

John H. Smith, W1XX
Communications Manager, ARRL

200
QSOs

261 QSOs

PHONE



IARU

HF WORLD CHAMPIONSHIP CERTIFICATE FOR OPERATING ACHIEVEMENT



ADØH

**FIRST PLACE, SINGLE OPERATOR, MIXED MODE
IOWA SECTION**

S. Balakrishnan WIRU
IARU PRESIDENT

Rodney J. Stapp KB6ZV
SOCIETY PRESIDENT



IARU

**HF WORLD CHAMPIONSHIP CERTIFICATE
FOR OPERATING ACHIEVEMENT**
1996



ADØH

**FIRST PLACE, SINGLE OPERATOR, MIXED MODE
IOWA SECTION**

153 QSOs, July 14

SB Balchin WIRU
IARU PRESIDENT

Rodney J. Stapp KB6ZV
SOCIETY PRESIDENT



The Radio Amateur's Journal

Takes pleasure in awarding this Certificate of Merit to

AD0H

*In Recognition of the achievement of winning the
2007 CW*

World Wide WPX Contest

for the Single Op Low Power *division for* W0 -- United States (#12)
ALL BANDS
(Tribander/Wires)

*A Total score of 30,186 points was computed on the basis of the
number of stations worked and call sign prefixes contacted. In witness of this
achievement, we hereby affix our signatures on this day.*

A handwritten signature in black ink, appearing to read 'K5ZD', is written over a horizontal line.

CQ WPX Contest Director

165 QSOs, May 26

A handwritten signature in black ink, appearing to read 'W2VU', is written over a horizontal line.

Editor, CQ

Interactive Contest Scores

Contest: 2008 ARRL International DX Contest (Phone)

Select contest

2008 ARRL International DX Contest (Phone)

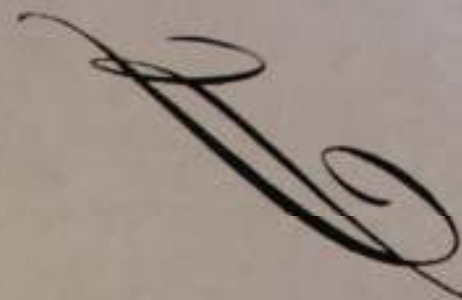
March 1

Entries 1376 to 1400 of 2129 listed

Prev · Next

Page: 1 · 10 · 20 · 30 · 40 · 50 51 52 53 54 55 56 57 58 59 60 61 · 70 · 80 · 86

#	Call	Score	QSOs	Mult	Class	Power	1-Band	Section	US Call Area	DXCC Entity	Continent	Club
1376	W3WOT	7,254	62	39	S	C		SC	4			
1377	KB5DRJ	7,224	56	43	S	B		NTX	5			
1378	WA4OSD	7,182	58	42	S	B		TN	4			Tenn Con Gro
1379	AD0H	7,182	64	38	S	B		IA	0			
1380	K1RV	7,176	53	46	SA			EMA	1			Yar Cli Co Cl



The Radio Amateur's Journal

Takes pleasure in awarding this Certificate of Merit to

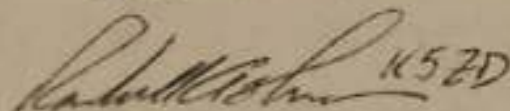
AD0H

In Recognition of the achievement of winning the
2008 SSB

World Wide WPX Contest

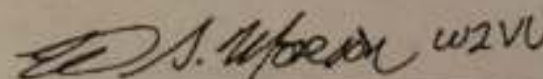
for the **Single Op Low Power** *division for #13 in Call Area 0 - USA*
ALL BANDS
(Tribander/Wires)

A Total score of **37,422** *points was computed on the basis of the*
number of stations worked and call sign prefixes contacted. In witness of this
achievement, we hereby affix our signatures on this day.



CQ WPX Contest Director

156 QSOs, March 29



Editor, CQ



The Radio Amateur's Journal

Takes pleasure in awarding this Certificate of Merit to

AD0H

In Recognition of the achievement of winning the
2008 CW

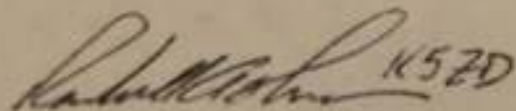
World Wide WPX Contest

for the

**Single Op Low Power
ALL BANDS
(Tribander/Wires)**

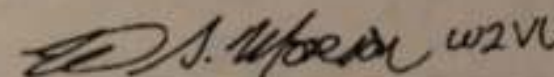
division for W0 -- United States (#10)

A Total score of **91,584** *points was computed on the basis of the*
number of stations worked and call sign prefixes contacted. In witness of this
achievement, we hereby affix our signatures on this day.

 K5ED

CQ WPX Contest Director

336 QSOs, May 24

 W2VU

Editor, CQ



The Radio Amateur's Journal

Takes pleasure in awarding this Certificate of Merit to

AD0H

In Recognition of the achievement of winning the
2009 CW

World Wide WPX Contest

for the

**Single Op Low Power
ALL BANDS**

division for #17 in Call Area 0 - USA

A Total score of **16,356** *points was computed on the basis of the*
number of stations worked and call sign prefixes contacted. In witness of this
achievement, we hereby affix our signatures on this day.

CQ WPX Contest Director

131 QSOs, May 30

Editor, CQ

ARRL The national association for
AMATEUR RADIO
INTERNATIONAL
CONTEST AWARD



2011
ARRL INTERNATIONAL DX CONTEST

ADØH

SINGLE OPERATOR 15 METERS CW
FIRST PLACE IOWA

69 QSOs, Feb. 19

Kay Craigie N3KN
PRESIDENT, ARRL

ARRL The national association for
AMATEUR RADIO
VHF/UHF
CONTEST AWARD
ADØH

SINGLE OPERATOR LOW POWER
IOWA SECTION

ARRL January VHF Sweepstakes
2011



13 QSOs
Winner

13 QSOs, Jan. 23

Kay Craigie **N3KN**
PRESIDENT, ARRL



ARRL DX Contest

Presented to

ADØH

SCORE: 108,504

FIRST PLACE

IOWA SECTION

SINGLE OPERATOR, LOW POWER

295 QSOs, Feb. 16

2014



ARRL

The national association for
AMATEUR RADIO®

Kay Craigie N3KN
President, ARRL

W1MSW
Contest Manager



The Radio Amateur's Journal

Takes pleasure in awarding this Certificate of Merit to

ADØH

In Recognition of the achievement of winning the **2Ø14**

World Wide WPX Contest

for the **UNITED STATES 10TH AREA**
division for

1ST PLACE TRIBANDER/SINGLE ELEMENT - HIGH POWER SSB ALL BAND

A Total score of **974,311** *points was computed on the basis of the*
number of stations worked and call sign prefixes contacted. In witness of this
achievement, we hereby affix our signatures on this day.

#17 UNITED STATES

Terry Zimney N4TZ

CQ WPX Contest Director

819 QSOs, Mar. 30

Date

E. S. Wooten W2VU

Editor, CQ

			United States - District 0			
8	2	2	WIOWA	A	5,942,160	2375 1008
105,536	210	194				(OP:W0BMD)
54,912	151	143	K0TT	"	1,611,960	1159 608
8,990	62	58	AD0H	"	974,311	819 503
	(OP:KABHCL)		VS7X/0	"	711,092	716 457
112	8	8	KV6Q/0	"	517,855	689 403
45,073	139	137	K0RJV	"	358,992	442 324
10,044	64	62	K0AP	"	267,168	352 276
87,142	199	187	W0KIT	"	253,368	366 276
17,845	85	83	W0DMM	"	134,135	249 193
14,784	77	77	AB0TO	"	112,714	231 194
256,404	449	276	NA0BR	"	72,046	199 163
	(OP:N8VV)		W0BHH	"	70,226	174 146
225,192	495	264	K0DVO	"	56,985	145 145
7,647,552	2581	1122	WD5ACR/0	"	45,981	157 131
1,041,768	674	546	N0MKG	"	44,352	140 132
819,198	671	426	W0PFF	"	38,829	157 129
719,793	543	477	W0GUY	"	12,220	71 65
452,676	494	357	K0JUT	"	10,207	62 59
349,920	409	270	KB0YNA	"	4,928	46 44
198,198	278	242	N00B	28	23,276	101 92
47,740	143	124	KA0LDG	"	8,478	55 54
41,860	127	115	N00C	"	8,056	55 53
28,294	96	94	WM0L	21	205,240	346 280
8,904	57	56	NY0T	7	32,745	111 111
225	9	9	*AC0W	A	2,271,255	1374 679
108	6	6	*N7VY/0	"	1,807,304	1009 579
1,907,616	1110	641	*AA0NK	"	533,225	540 385
134,330	248	190	*K00SD	"	426,048	489 336
122,408	247	214	*K0UD	"	332,605	406 301
59,640	159	140	*N0UY	"	291,584	362 273
32,239	115	103	*N0GOS	"	153,659	320 229
29,400	109	105	*AC0B	"	118,695	235 193
18,091	85	79	*W0SUN	"	114,654	232 197
1,026	19	19	*K00LE	"	105,241	233 191
210	14	14	*K00WAH	"	96,408	210 206
			*N0VZ	"	88,296	206 158
			*W0000	"	61,800	184 155

s - District 9

697,119 1603 831

← A D 0 H



The Radio Amateur's Journal
Takes pleasure in awarding this Certificate of Merit to

ADØH

In Recognition of the achievement of winning the **2Ø14**

World Wide WPX Contest

for the **UNITED STATES 10TH AREA**
division for

1ST PLACE HIGH POWER CW SINGLE OPERATOR ALL BAND
A Total score of **248,234** *points was computed on the basis of the*
number of stations worked and call sign prefixes contacted. In witness of this
achievement, we hereby affix our signatures on this day.

Terry Zimny N4TZ

CQ WPX Contest Director

447 QSOs, May 25

Date

E. J. Wooten W2VU

Editor, CQ

The International
Amateur Radio Union



HF World Championship

Certificate for Operating Achievement

is presented to:

ADØH

**SINGLE OPERATOR, MIXED MODE, HIGH POWER
IOWA SECTION**

Score: 152,928

**250+
QSOs**

**75+
Multipliers**

527 QSOs, July 13

2014

A handwritten signature in black ink, appearing to be 'T. M.', written over a horizontal line.

VE6SH

Kay Craigie **N3KN**



SWEEPSTAKES

Presented to

ADØH

Score: 29,510

FIRST PLACE

IOWA SECTION

SINGLE OPERATOR HIGH POWER

242 QSOs, Nov. 3

2014



ARRL

The national association for
AMATEUR RADIO®



Kay Craigie **N3KN**
President, ARRL

[Signature] **W1MSW**
Contest Manager

10 Meter Contest

In recognition of achieving a winning score by working fellow amateurs on 28 MHz during the contest period.

Presented to

ADØH

SCORE: 16,644

FIRST PLACE

**SINGLE OPERATOR MIXED MODE, HIGH POWER
IOWA SECTION**

110 QSOs, Dec. 14

2014

Kay Craigie **N3KN**
President, ARRL

Don Henderson **N1ND**
Contest Manager



ARRL The national association for
AMATEUR RADIO™





ARRL DX Contest

Presented to

ADØH

SCORE: 159,030

FIRST PLACE

IOWA SECTION

SINGLE OPERATOR HIGH POWER CW

389 QSOs, Feb. 22

2015



ARRL

The national association for
AMATEUR RADIO®

Kay Craigie N3KN
President, ARRL

Bart Jahnke W9JJ
Contest Manager



ARRL DX Contest

Presented to

ADØH

SCORE: 140,562

FIRST PLACE

IOWA SECTION

SINGLE OPERATOR HIGH POWER PHONE

359 QSOs, March 9

2015



ARRL

The national association for
AMATEUR RADIO®

Kay Craigie N3KN
President, ARRL

Bart Jahnke W9JJ
Contest Manager

The International
Amateur Radio Union



HF World Championship

Certificate for Operating Achievement

is presented to:

ADØH

**Section
Winner**

**SINGLE OPERATOR, PHONE ONLY, LOW POWER
IOWA SECTION**


Score: 6,169

78 QSOs, July 12

2015



VE6SH



K5UR

NEDIP's Second Step Log 4.5 www.nedip.com

Recent Contacts											Last 20	Score Statistics
Rec#	Ns	Nr	P	Call	Ck	Sec	Date	Time	Bnd		Total Contacts.....	491
491	491	245	U	W9SN	79	TN	11/23	2:59	80		Total Sections Worked	80
490	490	133	A	NF8M	68	MI	11/23	2:49	80		Sections to go	0
489	489	344	U	WT2P	94	IL	11/23	2:48	80		Total Score.....	78560
488	488	290	U	AJ4A	91	KY	11/23	2:44	80		QSOs / Hr (last 20 min)	0
487	487	333	A	KD9MS	84	IL	11/23	2:43	80		QSOs / Hr (last 60 min)	0
486	486	282	U	WT9Q	99	WI	11/23	2:38	80			
485	485	1243	B	K7CF	60	ID	11/23	2:37	80			

#	Pr	Call	Ck	Sec	Sections Worked		5	7	0
					1	3	AR NTX	AZ OR	CO MO
					CT RI	DE MDC	LA OK	EWA UT	IA NE
					EMA VT	EPA WPA	M3 STX	ID WVA	KS ND
					ME WMA		NM WTX	MT WY	MN SD
					NH			NV AK	
						4	6		Canada
						AL SFL	EB SDG		NL SK
					2	GA WCF	LAX SF	8	MI WV
					NNY NJ	IY TN	ORG SJV	OH	MAR AB
					ENY SNJ	NC VA	SE SV		QC BC
					NLI WHY	NFL PR	SCV PAC	9	ON NT
						SC VI		IL WI	MB
								IN	

Select a band from the menu bar and click Log "Time On" below!

Possible Duplicates				On

Band	00:00:00	Total Op Time	Log "Time On"				
80	00:00:00	Time On Band					

9:52:37 AM
15:52:37 UTC



, 31, 49, 32, 34, 2, , ¶

AC9IG, "19, 782", 157, 63, UL, IL, 14, ,

0, 0, 2, 80, 75, 0, SMC, ¶

AD0FB, "10, 488", 92, 57, A, MN, 13, , 0,

5, 38, 19, 29, 1, , ¶

¶

AD0H, "78, 684", 474, 83, B, IA, 57, , 0,

119, 25, 100, 224, 6, STARC, ¶

¶

AD0JA, "49, 434", 321, 77, A, MO, 12, , 0

, 151, 19, 58, 65, 28, SMC, ¶

AD1C, "55, 566", 343, 81, UL, CO, 74, , 0

, 0, 85, 176, 77, 5, GMC, ¶

AD2EE, "2, 496", 48, 26, A, NLI, 99, , 0,

0, 6, 40, 1, 1, , ¶





**I WORKED A
CLEAN
SWEEP**

10 Meter Contest

*In recognition of achieving a winning score by working fellow amateurs on 28 MHz
during the contest period.*

Presented to:

ADØH

SCORE: 3,348

FIRST PLACE

SINGLE OPERATOR MIXED MODE, HIGH POWER

IOWA SECTION

43 QSOs, Dec. 12

2015



Ron Rolink

K5UR

President, ARRL

Bart Jahnke

W9JJ

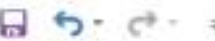
Contest Manager



ARRL

The national association for
AMATEUR RADIO™





H237		AD0H totals																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
219	2015	3	9	ADØH	359	64057		ARRL-DX-SSB359										
220	2015	3	28	ADØH	304	64361		CQ-WPX-SSB304										
221	2015	6	14	ADØH	41	64402		ARRL-VHF41										
222	2015	7	12	ADØH	78	64480		IARU78										
223	2015	19	25	ADØH	421	64901		CQ-WW-PH421										
224	2015	11	22	ADØH	490	65391		ARRL-SS-phone490										
225	2015	11	29	ADØH	156	65547		CQ-WW-CW156										
226	2015	11	29	ADØH	12	65559		CQ-160 MTR-12										
227	2015	12	12	ADØH	43	65602		ARRL-10 MTR-43										
228	2016	1	1	ADØH	11	65613		2016home log										
229	2016	1	1	ADØH	127	65740		2016mobile log										
230	2016	2	22	ADØH	145	65885		ARRL-DX-CW-145										
231	2016	3	27	ADØH	490	66375		CQWWssb490										
232	2016	11	27	ADØH	85	66460		CQWWcw85										
233	2016	12	4	ADØH	276	66736		ARRL160mtrCW276										
234	2016	12	11	ADØH	194	66930		ARRL10mtrCW194										
235	2016					66930												
236	2016					66930												
237				ADØH		66930	62602	AD0H totals										
238					66930													
239																		
240				KN8IBP			123											
241				K8IBP			936											
242				WØOYW			3230											
243				G5CUF			39											
244				ADØH			62602											
245				total			66930											

