

# The SKYHOOK

HOLIDAY CITY AMATEUR RADIO CLUB

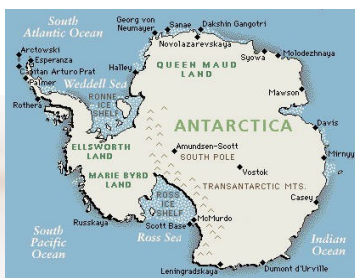


[www.hcarc.us](http://www.hcarc.us)

NOVEMBER 2013

Toms River, NJ

## Program for Our Next Meeting



Murray, KD2IN is planning two video presentations. One is a short review of all the Ham Expeditions to the Antarctic in recent years. The other is a demonstration of the assembly of the Elecraft KX3 All-Mode Ultra-Portable 160-6 Meter Transceiver Kit. Well known ham K7AGE, demonstrates a tongue-in-cheek version of how to do it – his way! If time permits, the program will end with a short round-robin of pictures of Old Time BIG Ham AM stations, so if you can find any old photos, bring them.

## For Your Calendar

Sun Nov 2 Daylight Savings Time ends

Tue Nov 4 Election Day

**Thu Nov 7 Our Meeting 7pm (see below)**

Mon Nov 11 Veterans Day (thank a Vet)

Mon Nov 11 Lunch at HC Diner\*

**Wed Nov 13 License Exams 7pm (see page 3)**

Mon Nov 25 Lunch at HC Diner\*

Thu Nov 27 Happy Hanukkah

Thu Nov 27 Thanksgiving Day

\*Have a noon snack and chat with some of us  
at the Holiday City Diner on Mule Rd

**NEXT MEETING:**  
**Thursday November 7 at 7:00PM**  
Bldg A, Meeting Rm. #1  
Holiday City South Clubhouse  
Santiago Drive at Mule Road  
Toms River, NJ

## New HCARC Officers Elected

Welcome to our new and returning club officers. Carl Lee W2PTZ will remain as president, John Roberts KQ4WR will fill the previously vacant position of Vice President, Ed Picciuti W1EAP will replace retiring John Hann as Secretary, and Larry Puccio K2QDY has agreed to continue as Treasurer.

Larry Loscalzo WA2VLR and Tom Chicino KC2RSE became Board members, Doug Poray KC2TZC will take care of Membership, replacing retiring Murray Goldberg KD2IN.

Larry Loscalzo will also be in charge of selecting programs, which had been one of Carl Lee's responsibilities.

Last, but not least, Ed Baranowski will continue to see that we have refreshments.

For a more detailed, official report of the October meeting, see the Minutes on the next page.



## Birthdays & Anniversaries

**Happy birthday to:**

Doug Poray KC2TZC

Sandy Ottenberg

Delores Smith



**Happy anniversary to:**

Joyce and Don Smith W2III

Lynn and Bob Wilson KA2WPL

Jean and Russ Young WA2VQV



## Minutes Holiday City ARC

October 3, 2013

Larry Puccio K2QDY opened the meeting at 7:10 PM and had the members present recite the Pledge of Allegiance. There were 12 members in attendance.

Sitting at the head table were Larry Puccio K2QDY, with Murray Goldberg KD2IN and John Roberts KQ4WR both sitting in for absent officers.

Larry told the members that October is the month that we elect the next year's officers. He advised them that Carl Lee, W2PTZ our current President was willing to stay for another year, Larry was willing to stay as the Treasurer for another year and that Ed Piccuiuti, W1EAP had volunteered to accept the Secretaries position, and John Roberts, KQ4WR had accepted the Vice Presidents position. Murray asked the group if there was anyone interested in taking any of the positions. He asked for each position individually. No one suggested they were interested in accepting a position.

Larry further advised the group that Larry Loscalzo, WA2VLR and Tom Chicino, KC2RSE had accepted Executive Board positions.

Larry passed around an attendance sheet for the members to sign if they were going to attend the club Fusion Buffet lunch that will take place on October 9, 2013. Murray took the finalized sheet and will make the reservation for the luncheon.

Larry advised the group that the Ocean First bank is still charging the club a check charge and that he will go to the bank on Friday to discuss this charge with the manager, as he was advised they would remove the charges since we have gone to electronic online banking.

Larry read a letter from Bob Schenck N2OO who is going on a DXpedition to Amsterdam Island and that the DXpedition group could use donations to defray costs. A motion was made to use the 50/50 money equaling \$25.00, and have the club put another \$25.00 with it to make a \$50.00 contribution. The motion was seconded and Larry will write a check to the DXpedition chairperson.

Larry advised the group that at the November meeting he had to know who was bringing snacks to the annual holiday party. Larry will send an e-mail to all the members for them to respond. Larry's wife Grace will organize the party. The club voted to allocate \$50.00 for incidentals.

The business meeting was concluded at 7:45 PM and we all had coffee and cake.

At 8:00 PM Larry Loscalzo, WA2VLR, provided the group with a presentation on DX clusters. Larry had his computer connected to the projector and was able to demonstrate the various DX clusters and the information contained on each. As a result many questions were generated and it lead to a discussion of the ionosphere, D – E and F layers, and how they interacted with signals to propagate radio transmission.

The meeting concluded at 8:50PM with all agreeing this was a very interesting discussion. The group also stated they would be interested in hearing a discussion on stealth and other type antennas.

Larry Puccio

K2QDY

## Ocean County ARES® News

November, 2013

I made the decision this year not to support the Juvenile Diabetes Foundation Walk on Seaside Heights Boardwalk after I learned that all comm volunteers would have to pay up to \$20 a vehicle for parking. We were told months ago that this issue was discussed with the borough of Seaside Heights and we would not have to pay for parking. One week before the event Seaside did a flip decision and I found this unacceptable for volunteers. In fact, even the event participants (walkers) were charged for parking and this is pure greed by Seaside Heights. We were going to use this event as our 2013 SET, which obviously had to be changed.

My second plan was to try and use the 2013 nuclear drill as our SET, but due to the government shutdown, the Oyster Creek annual nuclear drill was canceled (at least for now).

On October 16<sup>th</sup> approximately 20 operators met at the Ocean County EOC for our general meeting and after some brief announcements we setup four NBEMS (Narrow Bandwidth Emergency Message System) stations in several rooms and practiced sending and receiving ARRL radiogram messages via simplex as part of an expanded tabletop exercise. The goal was to give hands-on experience of operating NBEMS to those attending and demonstrate the various functions that FLMSG plays in formatting radiogram messages. This exercise will be written up as our 2013 SET. There are not very many points involved, but it is better than no exercise at all. The next meeting of Ocean County ARES is December 18<sup>th</sup> at 7:00 PM and this will be the annual holiday party after a presentation by K2HES.

I do have two pieces of good news. First, the ARCC has the 145.170 MHz coordination under N2IFP as being canceled (pending) and 145.170 MHz as being assigned (pending) to WA2RES in Manchester. WA2RES is also on the 2 meter waiting list until 12/12/2014 for an open pair and it looks like the ARCC plans on assigning the same frequency for coordination. We have been fighting for this coordination for 2 years and the end is finally in view.

Second, Pete – K2PSG, was notified that 966 nuclear funding has been approved for the procurement of the 70 cm D-Star repeater components, which will be installed at the Harvey Cedars water tank on Long Beach Island. The antenna and feedline are planned to be installed during tank painting in the Spring of 2014. Any specifics about details of frequency are unknown since the ARCC has to assign and coordinate this frequency. This 70 cm system would be linked with the SNJ SCERN (Southern Counties

Emergency Repeater Network) via an Internet link through a gateway server at the repeater site. Currently, the closest D-Star SCERN repeater is in Atlantic City (444.65625 MHz), which proves to be a challenge to reach from most of Ocean County.

73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC



Dear Elmer,

What's all this stuff about F-Layer?

Dear Friend,

I'm glad you asked. Back in the 1920s, scientists discovered a sort of layer of charged particles (ions) in our atmosphere, which they called the Electric layer, or E Layer for short. Later, a similar layer was found below it, which they called the D Layer, and one above it, which they called the F Layer. There is no A, B, C, or G layer.

These layers rise and become more charged during the day, from solar radiation, and fall and become less intense at night.

Radio waves glancing off the upper F layer allow us to communicate thousands of miles beyond line-of-sight, but there is a maximum and a minimum frequency at which that's practical.

The maximum usable frequency (MUF) is highest when the solar radiation is highest, so the 28MHz (10meter) band is wonderful during the early afternoon at the peak of the 11-year sunspot cycle, but normally dead at night or during solar-minimum years. So when "Ten" is dead, try 15 meters. If that's dead, try 20, etc.

The lowest usable frequency (LUF) depends on the D layer. When it's charged up, it's like a wet blanket, producing noise (QRN) and absorbing lower-frequency RF during daylight. But at night its ionization is usually low, permitting DX on bands like 80 and 40 meters to get through it. That's also why you only hear distant AM broadcast band stations at night.

The E Layer sometimes produces unexpected propagation of frequencies well above the MUF. That's Sporadic E propagation.

**73**  
**Elmer**

## Internet and e-Mail Address Links

Internet addresses and most callsigns in The SKYHOOK are now hyperlinks to web sites or email addresses. If clicking on the link does not bring up what you want, copy the address and paste it into your search box.

## HCARC Official Badge Ordering

The club's official badge maker is the Capital Engraving Co. in Longview, WA. To order a badge, simply call Capital at 1-800-628-4985 after 1PM M-F. All that is required is to give your call and first name and your mail address. Use your credit card to pay. Cost is \$12.50 plus \$2 S&H. Al Ross WA7UQE will take care of you and put the official logo and club name on your personal badge.

### Our VE Crew

Murray [KD2IN](#), John [K2JWH](#), Ed [W1EAP](#), Larry [K2QDY](#), John [KQ4WR](#), Stan [KB2PD](#), Steve [N2WLH](#), Kevin [W2FA](#), Walter [KC2LFD](#), Paul [N2QXB](#), Larry [WA2VLR](#).

*License exams are given on the second Wednesday of each month at Holiday City South Clubhouse, Bldg A, which is at the corner of Mule Rd. and Santiago Dr.*

*Directions: Go to Mule Rd. and to the corner of Santiago Dr. Turn into Santiago Dr., then into the parking lot in front of the pool. Enter bldg. on right*

### CLUB COMMITTEES

Refreshments: Ed Baranowski

Webmaster: Steve [N2WLH](#), Carl [W2PTZ](#)

Publicity: Ed [W1EAP](#)

Programs: Lawrence [WA2VLR](#)

Sunshine: Dave [WA2DJN](#)

Field Day: Larry [K2QDY](#)

VE Sessions: Larry [K2QDY](#) 732-349-2950 & the crew

Skyhook: John Roberts [KQ4WR](#) 732-350-1162

Fund Raising: vacant

Membership: Doug Poray [KC2TZC](#)

## HOLIDAY CITY AMATEUR RADIO CLUB Toms River, New Jersey

Web Site [www.hcsrc.us](http://www.hcsrc.us)

President	Carl Lee	<a href="#">W2PTZ</a>	732 237-2421
Vice President	John Roberts	<a href="#">KQ4WR</a>	732-350-1162
Secretary	Ed Picciuti	<a href="#">W1EAP</a>	732 736-0955
Treasurer	Larry Puccio	<a href="#">K2QDY</a>	732 349-2950
Executive Board	Larry Loscalzo	<a href="#">WA2VLR</a>	732-431-9082
Executive Board	Tom Chicino	<a href="#">KC2RSE</a>	732-240-7395
W2HC Trustee	Don Smith	<a href="#">W2III</a>	732 505-4821

Membership is open to all interested persons. Ham license is not required.

Dues are \$20.00 per year, payable Jan 1<sup>st</sup>. Members joining during the year will have the dues prorated. Family membership \$30.00.

Meetings are held on the first Thursday of every month, at 7:00 pm.

Location: Meeting Room #1 in the Holiday City South Clubhouse.

Directions: Go to Mule Rd. and to the corner of Santiago Dr. Turn into Santiago Dr., then into the parking lot in front of the pool. Enter bldg. On right.

The SKYHOOK is published monthly.

Editor and Publisher:

John Roberts [KQ4WR](#) phone: 732 350-1162 E-mail [KQ4WR@arrl.net](mailto:KQ4WR@arrl.net)

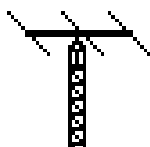
Send all newsletter items to: John Roberts

7 Lincoln Ct. Whiting, NJ 08759-1505, or e-mail [KQ4WR@arrl.net](mailto:KQ4WR@arrl.net)



## DX Clusters

Our last meeting's topic was DX clusters. They're websites that list who's working who. For example, if Larry Puccio happens to be working Easter Island at the moment, the "cluster" will list the callsign of the Easter Island station, the time and frequency, Larry's callsign, and any comments Larry makes about the QSO. Clusters are usually updated every minute. Some clusters have special features such as a way to narrow down the data to only one band, one mode, one kind of DX, US contacts only, etc. Check out my favorites [www.dxscape.com](http://www.dxscape.com) for HF, and [www.dxmaps.com/dxcluster.html](http://www.dxmaps.com/dxcluster.html) for VHF & UHF.



## FT5ZM Amsterdam Island Expedition

PRESS RELEASE #4



A sea container filled with our equipment — transceivers, amplifiers, antennas, wire and cable, connectors, baluns, bandpass filters, camp supplies, and other miscellaneous equipment — is now on its way to New Zealand. There it will be loaded aboard our ship, the MV Braveheart. The Braveheart crew and our VK6 friends have our shopping lists for other needed materials and are procuring these items for us. These materials will all come together in January when the Braveheart and the FT5ZM team arrive in Fremantle, Australia.

Our network and logging team are in the last round of testing our system for the seamless uploading of logs. Currently we can export 400 QSO's each hour from each of 10 PC's in approximately 500 msec. The log collection will be automatic, so there is no interruption of operator time. A zipped log file with 100,000 QSO's will be just over 600 Kb in size, saving time and money on satellite

uploads. The process has been tested end to end, including uploading to Club Log.

We are in the phase of the DXpedition where large expenses are coming at us rapidly. We've completed one down payment on our ship, we've had to purchase some equipment and shipping supplies, shipping and customs fees have been paid, our anchorage and per diem costs at Amsterdam Island are coming due, we will be seeing berthing and ship supply charges from Fremantle soon, and we have another ship payment due on December 1.

We are staying within our budgeted expenses, but contributions have been somewhat less than we had hoped. It now appears almost certain that the team members will have to increase their personal contribution from \$10,000 per person to \$12,500 per person as well as pay their own way to and from Fremantle, Australia. If you've contributed to the DXpedition, we thank you. If you've yet to help us, or if you can send some additional help our way, we can certainly use any financial support that you can give us.

Please continue to check our progress, our news updates, and photos on our website: [www.amsterdamdx.org](http://www.amsterdamdx.org). If, while you are there, you'd hit the "Donate" tab, we'd really, really appreciate it.

*Amsterdam Island is a volcano which has been dormant since it erupted around 220 years ago. It's number 7 on the DXCC Most Wanted List. It's populated by rats, mice, cats and wild cattle, as a result of human attempts to establish a settlement there. It sits in the middle of the Indian Ocean, about halfway between Africa and Australia, and about the same distance from Antarctica. Its grid square is MF82se, 10932 miles E of Holiday South Bldg A. That's almost as far away as you can get and still be on Earth. The expedition is scheduled for January, which is one of the warmer months of the of the year there. It is so far from any civilization that it's necessary for members of the expedition to bring tons of supplies with them just to camp there, let alone to work DX. HCARC is now one of many sponsors.*

## The NATO Phonetic Alphabet

This has been the standard since the 1950's, replacing the "Able Baker Charlie Dog" alphabet of the 1940s. It is used internationally by NASA, air traffic controls, and radio amateurs.

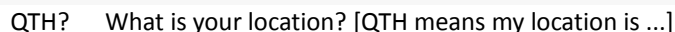
ALFA BRAVO CHARLIE DELTA ECHO FOXTROT GOLF HOTEL INDIA  
JULIET KILO LIMA MIKE NOVEMBER OSCAR PAPA QUEBEC ROMEO  
SIERRA TANGO UNIFORM VICTOR WHISKEY XRAY YANKEE ZULU

Numerals are normally the same as North American English except that "Nine" is pronounced "Ny-ner", so it cannot be misunderstood as "Five".

## Some Common Q-signals

QSL? Can you acknowledge receipt? [QSL means I am acknowledging receipt.] (QSL usually refers to written proof)

DATE	BAND	MODE	CALLSIGN	ENTITY	GRID
09-21	20m	SSB	A43MI	AS-014 OMAN	LL90kf
09-27	15m	RTTY	CU2AP	AZORES	HM77et
09-27	20m	SSB	EA9KB	CEUTA	IM75iv
09-16	17m	CW	FO/KH0PR	OC-094 FR. POLYNESIA	BH95it
09-19	10m	CW	FO/KH0PR	OC-238 FR. POLYNESIA	CH11lq
10-09	12m	CW	HC2AO	ECUADOR	EI97nt
09-15	17m	SSB	HP0INT/9	NA-203 PANAMA	FJ08fx
10-03	10m	SSB	HQ4W	NA-060 HONDURAS	EK63gm
10-06	10m	CW	J8/DH5FS	ST. VINCENT	FK98jg
10-09	15m	CW	PJ2/W5BOS	CURACAO	FK52kg
09-27	15m	RTTY	R0FA	ASIATIC RUSSIA	QN16ix
10-04	12m	SSB	T43JB	CUBA	GL11ma
09-18	12m	CW	TM3CDXC	FRANCE	JN
10-12	15m	CW	TN2MS	CONGO	JI55we
10-09	17m	SSB	TX5D	OC-114 AUSTRAL IS	BG66ed
10-09	20m	CW	TX5D	OC-114 AUSTRAL IS	BG66ed
09-22	30m	CW	UX5UW	UKRAINE	KN69
09-27	15m	RTTY	V31WI	BELIZE	EK56ox
09-26	12m	SSB	XE3IARU	CANCUN MEXICO	EL61nd
09-27	20m	RTTY	YS1/NP3J	EL SALVADOR	EK53jq



## DX Opportunities

DXCC	CALL	ENTITY	DATES	BANDS	MODES	QSL VIA	C/IOTA	ITU CQ	GRID	DX & DIR
3B8	3B8/UU5WW	Mauritius I	Nov17-Nov26				AF	53 39	LG89st	9300 E
3D2	3D2	Fiji	Nov20-Nov22	all	cw ssb rtty	Home Call	OC	56 32	RH91ft	7930 W
3D2	3D2	Fiji	Nov29-Dec04	all	cw ssb rtty	Home Call	OC	56 32	RH91ft	7930 W
3D2/R	3D2R	Rotuma	Nov22-Nov29	all	cw ssb rtty	YT1AD	OC-060	56 32	RH70mm	7770 W
3DA	3DA0ET	Sw aziland	Nov18-Nov27	160-6m	cw ssb rtty	LotW	AF	57 38	KG53nq	8150 ESE
3W	XV2CNH	Vietnam	Nov01-Nov09	160-10m	cw ssb dig	JA6CNH	AS	49 26	OK30is	8930 N
3W	XV2NHL	Vietnam	Nov02-Nov08	160-6m	cw ssb rtty	JA3NHL	AS	49 26	OK30is	8930 N
5B	5B4ALB	Cyprus	Oct17-Nov04			RT9T	AS-004	39 20	KM65rd	5510 NE
5H	5H	Tanzania	Nov02-Nov09	20-6m	10W	HB9EYP	AF	53 37	KI73kq	7510 E
5R	5R8IC	Madagascar	Nov16-Dec15		mainly cw	F6ICX	AF-090	53 39	LH43w e	8770 E
5V7	5V7TH	Togo	Nov18-Dec03	40 30 20m	ssb cw rtty	ON6DX Direct	AF	46 35	JJ06oc	5180 E
5W	5W	Samoa	Nov16-Nov17	all	cw ssb rtty	Home Call	OC-097	62 32	AH46de	7230 W
5W	5W8A	Samoa	Nov27-Dec02	160-10m	cw	LotW	OC-045	62 32	AH45pq	7190 W
5X	5X1NH	Uganda	Sep24-Nov16			G3RWF	AF	48 37	KJ60gh	7000 E
6V	6V7D	Senegal	Nov29-Dec07	40-10m	cw	DL7VOA	AF	46 35	IK14hq	3830 E
6V	6V7S	Senegal	Oct22-Nov27	hf		RK4FF Direct	AF	46 35	IK14hq	3830E
9L	9L1BTB	Sierra Leone	Oct25-Nov10	20-10m		SP5BTB	AF	46 35	IJ38jl	4320 ESE
9X	9X0NH	Rw anda	Nov19-Nov29			LotW	AF	52 36	L47ts	7060 E
CE0Y	XR0YY	Easter I	Nov01-Nov07	160-6m	cw ssb dig	EB7DX	SA-001	63 12	DG52gu	5160 SSW
CE0Z	XR0ZR	Juan Fernandez	Nov08-Nov20	160-6m	cw ssb rtty	LotW	SA-006	14 12	FF06oi	5090 S
D2	D2CT	Angola	Oct01-Nov15	20-10m	psk31 rtty	CT2HPM	AF	52 36	JG62od	6480 E
D4	D44TXT	Cape Verde Is	Oct19-Nov07	80-10m	ssb rtty psk	DL7AFS	AF-005	46 35	HK85eb	3490 ESE
D4	D44TWQ	Cape Verde Is	Nov05-Nov12	WARC	cw		AF-086	46 35	HK86me	3480 ESE
E5/S	E51NOU	South Cook Is	Oct14-Nov09	160-10m	cw	N7OU	OC-013	63 32	BG00cs	7270 WSW
E6	E6AK & E6AY	Niue	Nov03-Nov09	80-10m	cw ssb dig	Home Call	OC-040	62 32	AH50bw	7350 WSW
FH	FH	Mayotte	Nov04-Nov11	40-10m	cw	DK9PY	AF-027	53 39	LH27nd	8340 E
FJ	FJ	St Bartholemy	Nov16-Dec06	40-10m	cw rtty		NA-	11 08	FK87nv	1670 SSE
FK	FK/F5IRO	New Caledonia	Nov01-Nov30	80-10m	Cw Wlota1280	LotW	OC-032	56 32	RG37bv	7320 W
FO/A	TX5RV	Austral Is	Nov01-Nov30	80-10m	cw ssb rtty	LotW	OC-114	63 32	BG66ed	6460 WSW
FR	FR	Reunion	Nov11-Nov22	40-10m*		DK9PY	AF-016	53 39	LG78sv	9240 E
FR	FR/DJ7RJ	Reunion	Sep28-Nov02	160-10m	cw ssb	DJ7RJ Direct	AF-016	53 39	LG78sv	9240 E
FR	TO2R	Reunion	Nov03-Nov17	40-10m		F5UOW	AF-016	53 39	LG78sv	9240 E
H4	H44MS	Solomon Is	Oct03-Nov26			DL2GAC	OC-047	51 28	QI90vm	8530 WNW
HK0S	HK0	San Andres & Prov	Nov01-Nov10			OQRS	NA-033	11 07	EK92dn	1940 SSW
J7	J79	Dominica	Oct21-Dec21	160-10m	ssb rtty psk	HB9MFM	NA-033	11 08	FK95ik	1870 SSE
J8	J88HL	St Vincent	Nov17-Nov29	160-6m	cw ssb rtty	OQRS	NA-109	11 08	FK93jg	2010 SSE
JD/O	JD1BLC	Ogasaw ara	Nov07-Nov15	all	all	LotW	AS-031	45 27	QL17cb	7250 NNW
JD/O	JD1BOI	Ogasaw ara	Oct25-Nov03	160-6m	ssb cw rtty	JD1BOI Direct	AS-031	45 27	QL17cb	7250 NNW
JD/O	JD1BON	Ogasaw ara	Nov01-Nov04	80-10m	cw ssb rtty	JA1UII	AS-031	45 27	QL17cb	7250 NNW
KH8	KH8	American Samoa	Nov18-Nov19	all	cw ssb rtty	Home Call	OC	62 32	AH-45pg	7200 W
KH8	N8A/KH8	American Samoa	Nov12-Nov24	160-10m	cw	LotW	OC-045	63 32	AH45pq	7290 W
PJ5	PJ6/W4VAB	Saba & St Eustatius	Nov07-Nov17	80-10m	all	LotW	NA-145	11 08	KK87jn	1680 SSE
PJ7	PJ7	Sint Maarten	Nov17-Nov24	80-10m	all	LotW	NA-105	11 08	FK88lb	1650 SSE
S2	S21ZBB & S21ZBC	Bangladesh	Nov19-Nov29	160-6m	ssb cw rtty	IK2VUC	AS	41 22	NL53eq	7920 NNE
S7	S79WDX	Seychelles	Nov12-Nov23	160-6m		LotW	AF-024	53 39	LI55kp	8250 ENE
T30	T30TS & T30NK	West Kiribati	Nov28-Dec04	40-10m	cw ssb rtty +	Home Call	OC-017	65 31	RJ62mg	7310 WNW
T32	T32TM	East Kiribati	Nov28-Dec03			K8NA	OC-024	63 31	BJ11hu	5780 W
T33	T33A	Banaba I	Nov05-Nov18	160-10m	cw ssb rtty	OQRS	OC-018	65 31	RI49sd	7630WNW
TU	TU5..	Cote d'Ivoire	Nov17-Nov30	160-6m	cw ssb rtty	Home Call	AF	46 35	IJ76iu	4800 E
TY	TY1	Benin	Nov20-Dec03	40-6m	ssb cw rtty	ON6DX Direct	AF	46 35	JJ16hl	5240 E
V2	V25A	Antigua	Nov21-Dec01	160-10m	cw ssb	KG2A Direct	NA-100	11 08	FK97cb	1750 SSE
V4	V47JA & V49J	St Kitts & Nevis	Oct10-Nov10			LotW	NA-104	11 08	FK97ph	1710 SSE
V6	V6	Micronesia	Nov22-Nov30		cw +	Home Call	OC-010	65 27	QJ96cu	7800WNW
VP8	VP8DNY	Falkland Is	Oct20-Nov19	hf	ssb	M1AYI	SA-002	16 13	GD18bh	6400 N
XT	XT26DJ & XT2FCJ	Burkina Faso	Nov17-Nov26			OK6DJ	AF	46 35	IK92eh	4760 E
YA	T6RH	Afghanistan	Sep28-Dec02	20m & up		NI5DX	AS	40 21	MM44nm	6780 NNE
YJ	YJ	Vanuatu	Nov01-Nov11	160-6m	cw ssb rtty	JA2ZS	OC-035	56 32	RH47dg	8240 W
ZD8	ZD8W	Ascension I	Nov19-Nov21	Hf + 6m	cw	W6NV	AF-003	66 36	II22tb	5045 ESE

Nov 02-Nov 04 ARRL Nov CW Sweepstakes

Nov 16-Nov 18 ARRL Nov Phone Sweepstakes

Nov 23-Nov 24 CQ WW CW Contest

Nov 9-10 NB9QV WWII Submarine USS Cobia 7.240 &amp; 14.240

Nov 18-20 W3KGN Gettysburg Address 150 yr anniversary 3.863, 7.1863 &amp; 14.263