



# The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

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

SEPTEMBER 2013

Toms River, NJ

## Program for Our Next Meeting

J-poles, ultra-compact loop antennas, invisible stealth, long wires, G5RVs, Yagi, dishes, inverted V's, simple dipoles, Beverage antennas, baluns, towers, rotors, lightning protection, anyone?

Antennas as a do-it-yourself project will be the topic of discussion at our next meeting.

Of course, we'll also have a chance to chat, over coffee and cake and/or cookies.

So come on down.

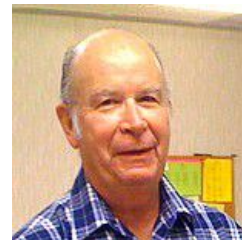
## Some Dates For Your Calendar

Sept 2	Labor Day
Sept 2	Lunch at noon*
Sept 5	Happy 5774
Sept 5	<b>Club Meeting 7pm</b>
Sept 11	<b>License Exams 7pm</b>
Sept 14	Yom Kippur
Sept 16	Lunch at noon*
Sept 28-29	CQWW RTTY Contest
Sept 25	Board Meeting
Sept 30	Lunch at noon*
Oct 3	<b>Club Meeting 7pm</b>

\*e-mail [Murray KD2IN](mailto:Murray_KD2IN) for locations

**NEXT MEETING:**  
**Thursday Sept 5 at 7:00PM**  
**Meeting Rm. #1 Holiday City South**  
**Clubhouse**  
**Santiago Drive at Mule Road**

## The President's Message



Well here it is almost the end of August already. I hope everyone has had a good summer. Now is the time to be thinking about any antenna work you may have to do before the cold weather sets in.

The next meeting will be on September 5th. The program will be on antennas. We will be talking about the different types of antennas. So if you have any antenna questions please bring them.

Looking forward to seeing everyone at the meeting.

73,

Carl

[W2PTZ](http://www.w2ptz.com)

## Birthdays & Anniversaries

### Happy birthday to:

Kathleen Baranowski

Shirley Goldberg

Janice Loscalzo

Jeanne Poray



### Happy anniversary to:

Doug & Jeanne Poray



## Calling CQ

My dad once bought 25 day old white leghorns. For you city slickers, that's a breed of chickens. Several weeks later, I witnessed one of the cockerels (boys) start to crow for his first time. It was just one syllable, as the sound seemed to startle him for an instant. His voice had suddenly changed from a chirp to a somewhat deeper, louder crow. Then, as he saw the attention he got from the pullets (girls), he did a happy little strut.

Calling CQ for the first time is a little like that. In case you've never done it, here's how:

First select a band for which you have a transceiver and a working antenna; a band that's active, but not too crowded.

Second, check the Band Plan (see page 3) to select an appropriate sub-band for your class of license, and to avoid interference with DX, QRP, image and W1AW.

Third, listen very carefully, and select a frequency that's clear. Listening is immensely important and instructive. Successful DXers mostly listen.

Tune around a little to see if anyone is already calling CQ. If so, try to answer by giving his call sign, followed by "this is" (or "DE" in Morse) and your call sign.

On CW, be sure you send at a speed you can read, as the other station will try to match your speed. If it's still too fast, send "QRS", which means slow down.

If the frequency appears clear for a couple of minutes, ask if the frequency is in use. On CW, just send "QRL? DE [your call sign] K"

When sending CQ on CW, use a format like "CQ CQ CQ DE [your call sign sent 3 or 4 times] K"

Send it, wait about 15 seconds, and repeat. While waiting, tune around a little bit if you can do it without changing your transmit frequency. Someone may have caught part of your call and is waiting for a repeat.

If unsuccessful after several tries, tune around the sub-band again, listening carefully, before you give up.

Suggested reading: *The ARRL Operating Manual*.

## Ocean County ARES® News

September, 2013

The annual Juvenile Diabetes Foundation Walk is scheduled for October 6<sup>th</sup> this year at the newly rebuilt Seaside Heights Boardwalk. I have been assured by JDF officials that there will be no parking fees for volunteers, unlike last year when each of us was hit with parking fees ranging from \$4 to \$10 a vehicle. As in the past, we will be using simplex FM voice to communicate throughout the walk. Net Control will be located near the Northern end of the Boardwalk near Carteret Avenue with a portable beam antenna facing South. There is a rest area about half way to the turn-around point and at the turn-around. Operators are needed at both rest stops and those who wish to walk the event would make great roving operators. The event normally starts at 10:00 AM, but volunteers are asked to report by 8:00 AM to ensure they get breakfast, get signed up and receive assignment instructions and have ample time to get to their assigned station.

Net Control will be established between 7:00 and 7:30 AM and will use 145.170 MHz, WA2RES/R as a talk-in. A lunch will be served after the event at the Northern end of the walk. If you are interested in being an operator, please email me at [WX2NJ@comcast.net](mailto:WX2NJ@comcast.net)

That time of the year is coming up again for the annual Simulated Emergency Test (SET) and it is my opinion to use the JDF Walk as our SET. We already participated in a state-wide SNJ PSAP Functional Exercise in June and as far as I'm concerned, that exercise should have been our SET. Many counties (and the State) chose not to participate and those who did (like Ocean County), should be given sufficient credit.

During the last two ARES nets the WA2RES repeater appeared to have a bad receiver. I've been to the 145.170 site with a service monitor/test equipment and the repeater checks out with normal receive sensitivity of approximately 0.1 micro volt. I did observe while at the site that the N2ACF repeater in Orangetown, NY (Rockland County) was full scale at the Manchester Water Tank. They are also on 145.170 MHz, but a different PL. It would appear that co-channel

*Report continues on page 3*

*Continued from page 2*

interference may be the cause of the WA2RES receiver woes (or someone is building a Tesla Coil project near the repeater) and since ARCC refuses to coordinate our 145.170 MHz machine in Manchester, we are the losers in this battle. I'm not sure if any location in Ocean County would escape the interference.

The August 21<sup>st</sup> meeting of Ocean County ARES was well attended and a presentation was given by WX2NJ on home solar installation. The pros and cons were discussed of cost/no-cost solar installations and the applicability of these systems during emergency conditions, such as Sandy last year.

73 de WX2NJ  
 Bob Murdock  
 Ocean County Amateur Radio Emergency Service® EC

### Index to SKYHOOK's Band Plans

Band	Issue (all 2013)
160m	June
80m & 75m	May
60m	May
40m	April
30m	April
20m	March
17m	February
15m	February
12m	February
10m	January
6m	July
2m	August
1.25m	September (this issue)
70cm	October (planned)

### Internet and e-Mail Address Links

Internet addresses and most callsigns in 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:* Carl [W2PTZ](#) 732-237-2421

*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:* Murray [KD2IN](#)

### HOLIDAY CITY AMATEUR RADIO CLUB

Toms River, New Jersey

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

President	Carl Lee	<a href="#">W2PTZ</a>	732 237-2421
Vice President	vacant		
Secretary	John Hann	<a href="#">K2JWH</a>	609 660-0985
Treasurer	Larry Puccio	<a href="#">K2QDY</a>	732 349-2950
Executive Board	John Roberts	<a href="#">KQ4WR</a>	732-350-1162
Executive Board	Ed Picciuti	<a href="#">W1EAP</a>	732 736-0955
Executive Board	Don Smith	<a href="#">W2III</a>	732 505-4821
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)

## How's DX?



Joe Militano



Russ Young

Russ Young WA2VQV worked:						
40/UA3RF	7/27	20	CW	Montenegro	JN92	4590 NE
4U1ITU *	7/17	17	RTTY	Switzerland	JN36	3910 NE
9A/AC6DD	7/27	20	CW	Croatia	JN85	4340 NE
CF2I	7/27	20	CW	Canada	FN58	610 NNE
EJ0PL	7/26	17	SSB	Ireland	IO53	3090 NE
EM20RRC	7/19	20	SSB	Ukraine	KM55	4800 NE
I5REA	8/7	20	SSB	Italy	JN53	4200 NE
VA7ISL	7/27	20	CW	Canada	CN88	2470 WNW
XF3/IZ2LSC	7/29	17	CW	Mexico	EL61	1490 SSW
YT1HA	7/22	20	SSB	Serbia	KN04	4660 NE
ZA/UA4WHX	7/5	17	RTTY	Albania	KN01	4680 NE
* ITU Headquarters Station						
Joe Militano KC2QLA worked:						
573DX	7/31	17	SSB	Slovenia	JN76	4270 NE
CT3FQ	7/27	15	SSB	Madeira Is.	IM12	3160 E
EA1AR	7/27	15	SSB	Spain	IN70	3570 ENE
EM20RRC	7/20	20	SSB	Ukraine	KM55	4800 NE
EU1A	7/24	15	SSB	Belarus	KO52	4640 NE
GB1A *	7/20	20	SSB	England	JO01	3510 NE
HA3NU	7/24	15	SSB	Hungary	JN96	4430 NE
HH5/KC0W	7/20	15	SSB	Haiti	FK39	1386 S
HI3DX	7/28	17	SSB	Dominican Rep	FK49	1430 S
HQ8D	7/24	15	SSB	Honduras	EK85	1770 SSW
IT9AUG	7/31	15	SSB	Italy	JN53	4200 NE
MEJ0PL	7/25	20	SSB	Ireland	IO53	3090 NE
NP4G	7/21	15	SSB	Puerto Rico	FK68	1550 SSE
OE3WMA	7/28	20	SSB	Austria	JN78	4250 NE
PJ4NX	7/27	15	SSB	Bonaire/Cura	FK52	1960 SSE
PY2SPW	7/19	10	SSB	Brazil	GG57	4460 SSE
SV3GLL	7/31	20	SSB	Greece	KM38	5047 NE
VP2ETE	7/31	15	SSB	Anguilla	FK88	1650 SSE
YB0NFL	7/21	15	SSB	Indonesia	OI33	10100 N
YV5EPM	7/20	20	SSB	Venezuela	FK60	2090 SSE
* RSGB Headquarters Station						

## The 1.25 Meter Band

All US amateur licensees are authorized to use the entire 222 to 225 MHz sub-band (see notes below).

### Frequency in MHz:

222.000 to 222.050	EME (moonbounce)
222.100	SSB & CW Calling frequency
222.100 to 222.150	Weak CW & SSB
222.150 to 223.400	Repeater Inputs
223.400 to 223.800	Various modes
223.800 to 225.000	Repeater Outputs

### Notes:

1. The usual non-interference rules apply.
2. Repeater input offsets are -1600kHz.
3. There is also a 219-220 MHz ham band, but its use is restricted to specially authorized data forwarding stations.
4. For local repeaters, see [arcc-inc.org](http://arcc-inc.org) and [www.metrocor.net](http://www.metrocor.net)

## ARRL DX Contest of the Month

### The September RTTY Contest

It's the last weekend in September, and, in case you didn't know, you don't need a Teletype machine to participate. Use your computer instead. A program (called MMTTY) is available free to download which will make your computer do the work of a teletype machine. Most amateur RTTY is done at 45.45 baud (60wpm) using the traditional 5-bit Baudot code, although 8-bit ASCII, which has both upper and lower case characters, is also available. You may already have all the hardware needed, as all you need to interface to your transceiver is the same as any other data mode. Remember to not use more than about half the rated power of your rig, as the carrier will be on continuously during transmission.

### VE Session Report

At the August VE session, there were two candidates. The VE testing was held on August 14th and the VEs were: Ed Picciuti, Murray Goldberg, John Roberts, Larry Puccio and Lawrence Loscalzo. The next session will be on Wednesday, September 11, 2013 at 7:00 PM in the Holiday City South Club House located on the corner of Santiago Drive and Mule Road.

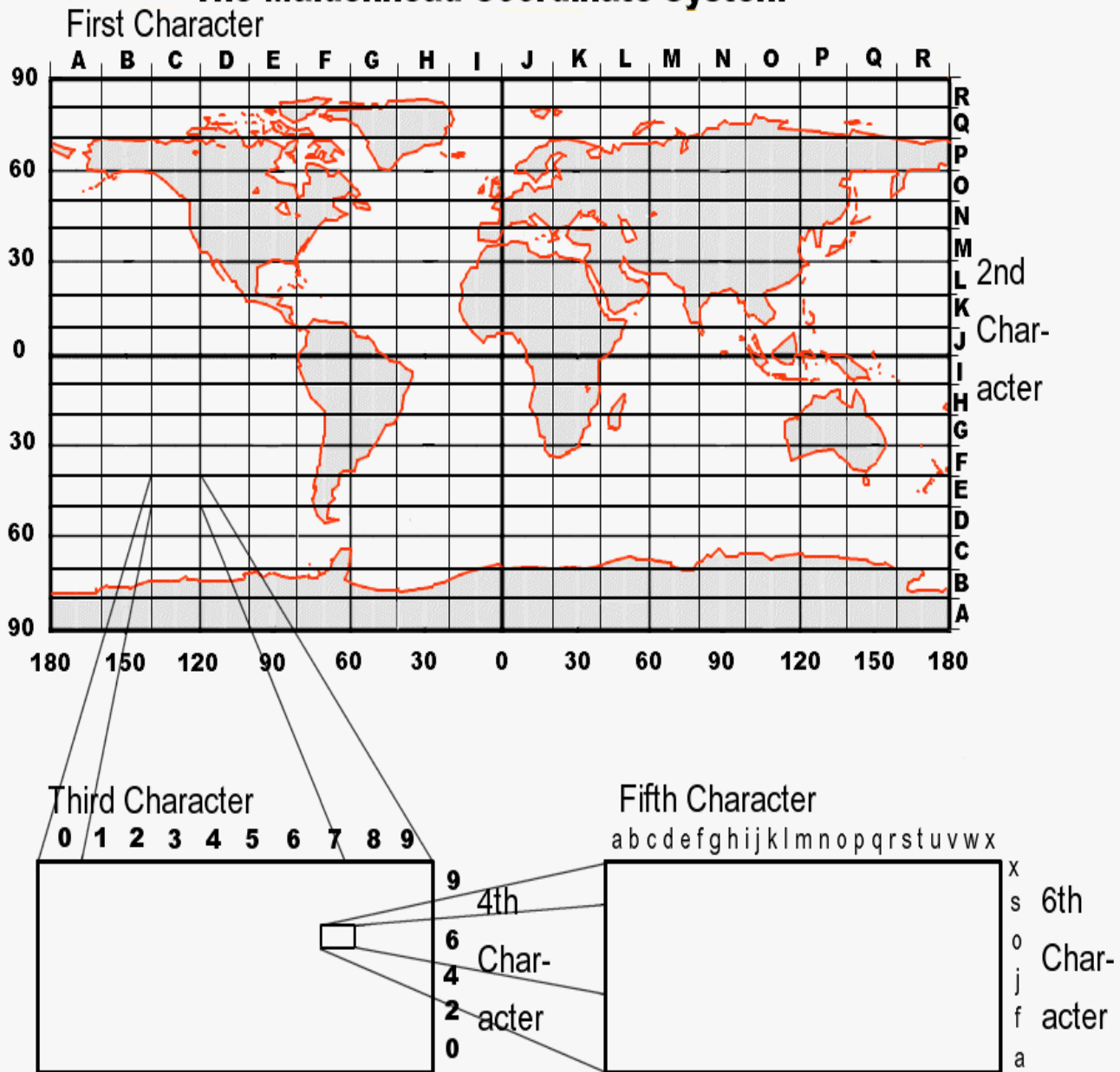
73  
Larry

### The Maidenhead Coordinate System

If “grid squares” were square, the world would be flat. Therefore I prefer to call them MCS areas. That's a little more accurate. It's important to remember that they are areas, not specific points on the surface. Latitude parallels and longitude meridians define their borders. Each 6-character area is about 2.8 miles South-to-North, and about 5.6 times the cosine of the latitude, miles East to West.

The MCS location for each country listed in the tables on pages 4 and 6 is in column six of each table.

### The Maidenhead Coordinate System



## DX Opportunities for September

See also:

[www.arrl.org/files/file/Contest%20Corral/2013-09-v2.pdf](http://www.arrl.org/files/file/Contest%20Corral/2013-09-v2.pdf)

DATES	ENTITY	CALLSIGN	BANDS	MODES	GRID	MILES DIR	C/IOTA	ITU	CQ	QSL VIA
9/18-9/28	Mauritius	3B8/G0TSM	40-6m	cw ssb rtty	LG89st	9295 E	AF-049	53	39	Lotw
9/01-9/09	Rodrigues I	3B9EME(?)	160-6m	cw ssb +	MH10qg	9579 ENE	AF-017	53	39	
9/20-9/26	Fiji	3D2GC	160-10m	cw ssb	RH82qf	7964 W	OC-016	56	32	LZ1GC
9/27-10/11	Rotuma	3D2GC/p	hf	cw ssb	RH82qf	7964 W	OC-060	56	32	LZ1GC
9/24-11/16	Uganda	5X1NH			KJ50co	6955 E	AF-	48	37	G3RWF
9/02-9/06	Malta	9H3BF	20m		JM75fv	4631 ENE	EU-023	28	15	IT9DBF
9/20-9/24	Masirah I Oman	A43MI			LL90kf	7301 NE	AS-014	39	21	A47RS
8/18-9/07	B'lehemPalistine	E44PM			KN72pa	5263 NE	AS	39	20	Lotw
9/10-9/21	Miquelon I	FP/DJ4TC	2m-70cm		GN17ub	1020 NE	NA-032	09	05	DL2NUD
9/10-9/21	Miquelon I	FP/DL2NUD	2m-70cm		GN17ub	1020 NE	NA-032	09	05	DL2NUD
8/20-9/30	Galapagos	HC8/G80FQ	40-10m	ssb	EI49rh	2990 SSW	SA-004	12	10	G80FQ
8/31-9/06	Panama	HP1/AI5P	hf	cw	FJ08fx	2167 S	NA-	11	07	AI5P
9/12-9/23	Grenada	J3/YN2PX	hf	cw	FK92da	2076 SSE	NA-024	11	07	AI5P
9/20-9/23	Svalbard	JW/DL2JRM	all	all	JQ78tf	3526 NNE	EU-026	18	40	DL2JRM
9/20-9/23	svalbard	JW/Do6XX			JQ78tf	3526 NNE	EU-026	18	40	DO6XX
9/13-9/16	svalbard	JW5E	all	all	JQ78tf	3526 NNE	EU-026	18	40	NRRL**
9/25-9/03	Svalbard	JW8DW	80-10m	cw ssb +	JQ78tf	3526 NNE	EU-026	18	40	Lotw
9/21-9/27	Market Reef	OJ0W	40-10m	cw	JP90nh	3982 NE	EU-053	18	15	OH3WS
9/07-9/14	Papua New Guin	P29VNX	30-10m	cw psk rtty	QI23gl	9108 WNW	OC-008	51	28	Lotw
9/13-9/26	Bonaire	PJ4M	hf		FK52ud	1956 SSE	SA-006	11	09	PH2M
9/06-9/07	Palau	T8GM	80-10m	cw	PJ77gl	8683 NW	OC-009	64	27	Lotw
9/15-9/19	Palau	T8GM	80-10m	cw	PJ77gl	8683 NW	OC-009	64	27	Lotw
9/02-9/08	Corsica	TK9ZM	hf+6m		JN42nd	4160 ENE	EU-014	28	15	IK2WZM
9/07-9/15	Namibia	V55V	hf	ssb	JG78xo	7167 ESE	AF-	57	38	DJ8VC
9/04-9/16	Pohnpei I Micro	V63DDD	40-6m	ssb rtty	QJ96du	7793 WNW	OC-010	65	27	JA7LU
9/04-9/16	Pohnpei I Micro	V63LU	40-6m	ssb rtty	QJ96du	7793 WNW	OC-010	65	27	JA7LU
9/08-9/16	Micronesia	V6G	80-10m	cw	QJ96cv	7792 WNW	OC-012	65	27	Lotw
9/22-9/29	Lord Howe I	VK9LL	160-80m		QF98nk	9439 W	OC-004	60	30	Lotw
9/05-9/10	Laos	XW1YC	hf	cw ssb	OK18ha	8428 N	AS-	49	26	W5UE
9/05-9/10	Laos	XW8XZ	hf	cw ssb	OK18ha	8428 N	AS-	49	26	M0URX
9/06-9/12	El Salvador	YS1/AI5P	hf	cw	EK53jq	2030 SSW	NA-	11	07	AI5P

\*\*QSL via Svalbardgruppen / NRRL Clubstation / PO Box 498 N 0171 / Longyearbyen Norway