

# The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

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

APRIL 2014

Toms River, NJ

## QRP Portable Operation

Our April meeting will feature a presentation and discussion of hill-top low power portable communications.

At the meeting, Murray KD2IN is also offering the instructions and twin-lead material to any member who wants to make a J-Pole antenna.

## For Your Calendar

*April 3*

*Our Club Meeting at 7pm*

*April 9*

*Our Chinese Luncheon at Fusion Buffet starting at 12 Noon*

*April 9*

*Our VE Exam Session 7pm at Holiday City South Clubhouse*

## Birthdays & Anniversaries

*Happy birthday to:*

*Joe Cuff W2KWP*

*Grace Puccio*

*Nancy Roberts*

*Marjorie Stafiej*



*Happy anniversary to:*



*Mike KD2CTX & Susan Graber*

## April

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 HCARC	4	5
6	7	8	9 Luncheon & Exams	10	11	12
13 Palm Sunday	14 HC Diner	15 Passover	16 ARES	17	18 Good Friday	19
20 Easter	21	22	23 Board Meeting	24	25	26
27	28 HC Diner	29	30			

Updated on 3/26/2014

**NEXT MEETING:**  
**Thursday April 3 at 7:00 PM**  
 Bldg A, Meeting Rm. #1  
 Holiday City South Clubhouse  
 Santiago Drive at Mule Road  
 Toms River, NJ

### Our License Exam Sessions:

Second Wednesday of each month at 7:00 pm  
 Bldg A, Meeting Rm. #1, Holiday City South Clubhouse  
 Santiago Dr @ Mule Rd, Toms River NJ  
 Call Larry Puccio 732-349-2950 for more information

## Chinese Buffet Luncheon



By popular demand, it will again be at the Fusion Chinese Buffet. This an opportunity for us to share a meal with wives, friends, and other club members. The Fusion is located in the shopping center between the Home Depot and the Pathmark at the intersection of Rt. 9 and Rt. 571.

Mark your calendars for **April 9 at 12 noon**. The cost is still only 10 dollars, which includes tax and tips, and a little left over for the club treasury.

We always have a great time at these events. Don't miss it!

## Ocean County ARES NEWS

The next meeting of Ocean County ARES will be April 16<sup>th</sup> at 7:00 PM, location – Ocean County EOC, Robert J. Miller Airpark. RERP 2014 training will be conducted by K2PSG and several members Go-Kits will be demonstrated. Refreshments will be served.

Following Sandy, I made a “wish list” of what I thought would be beneficial improvements to my home generator plan. Things like, “This outlet should be on generator power so I don't have to run an extension cord to have a light in this room” and “My cable modem needs to be on generator power”, etc. I also replaced the batteries in all my UPS's this January. Most ideas I implemented and this past week I certainly got to see if it all was worth the effort. A local substation lost a portion of a transformer on a Tuesday and we lost power for 4 hours. Several days later on a Sunday, we lost power again for 13 hours as a snowstorm dumping 6 inches of snow and freezing temperatures bore down on us. I understand the temporary repair to the transformer on Tuesday overloaded the remaining windings and on Sunday the transformer went up in smoke. During both power failures, I was busy on my computer. No data was lost because the UPS easily carried the PC load until I could safely shut the PC down.

It was comforting to have my hot water boiler on the generator, providing heat through the outage as temperatures outside dropped into the 20's. My cable modem had plenty of power, but unfortunately the cable signal was lost after about 2 hours of power failure. I'm no cable expert, but I can only assume cable line amplifiers backup power finally failed. This is a good reason to never depend on the Internet in an emergency. Always assume that a loss of power will equal a loss of Internet.

It was a pain to try and secure the generator (portable) after the snowstorm. Even though it was under a roof (outside gazebo), the blowing snow managed to pretty much cover the machine and cables to the house and garage were all buried. An inconvenience, but at least we had power to heat, cook and run the well pump so the family could get ready for work on Monday morning. One item I gave up on was trying to maintain a battery on the generator. It is about the size of a motorcycle battery and is very messy with acid vents. After Sandy I removed the battery and spliced in extension battery leads so I could start the generator with a portable full capacity auto battery that is normally connected to my shack backup power system (contains several sealed batteries in parallel and are always on charge). The battery can be removed with two quick connects and has a handle for easy transport.

The lesson learned here is do not procrastinate on a project that involves the well-being of your home/family. You never know when you will be thrown into an emergency situation.

Summary of EmComm Courses:

*ICS 100: Introduction to the Incident Command System.* Describes the history, features and principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System

(NIMS). <http://emilms.fema.gov/IS100b/index.htm>

*ICS 200: Basic ICS.* Designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS). ICS-200 provides training on and resources for personnel who are likely to assume a supervisory position within the ICS. <http://emilms.fema.gov/IS200b/index.htm>

*ICS-700.B: Introduction to the National Incident Management System.* Provides a consistent nationwide template to enable all government, private-sector, and nongovernmental organizations to work together during domestic incidents. <http://emilms.fema.gov/IS700aNEW/index.htm>

*IS- 800.B: National Response Framework, An Introduction.* Introduces participants to the concepts and principles of the National Response Framework. <http://emilms.fema.gov/IS800B/index.htm>

*EC-001: Introduction to Emergency Communication (ARRL).* This course was recently revised and is designed to provide the ARES bedrock of basic knowledge and tools for any emergency communications volunteer. The course has 6 sections with 29 lesson topics. More information can be found at [www.arrl.org/online-course-catalog](http://www.arrl.org/online-course-catalog)

73 de Bob Murdock WX2NJ

Ocean County Amateur Radio Emergency Service® EC

## Reminder -- Buffet Luncheon April 9

See Page One for details. Here's a photo I took a couple of years ago at such a gathering. We had a great time.



Left to right, facing camera: Carl LeFevre WA2IQE, Carl Lee W2PTZ, Dave Ottenberg WA2DJN, Grace and Larry Puccio K2QDY. With backs to camera: Joyce and Don Smith W2III, Murray and Shirley Goldberg, and Mike Graber KD2CTX.

## Puzzles

See if you can find the hidden Silver Anniversary coin in this issue.  
How do you say “2000 mockingbirds” in metric lingo?

## Websites You May Find Useful

For a list of contests for the week, check out the Contest Calendar website at <http://www.hornucopia.com>. It gives a lot of information about contests of the past, present, and near future. I especially like the 8 Day list, because it gives details like station categories, exchanges, and usually a link to the contest's official rules.

For reports of very recent DX contacts, use:

<http://www.dxscape.com>

For a list of planned portable DX activities, especially those in which operators from one nation have applied for a license or permit to operate in another nation, search for:

ng3k announced dx operations

For a detailed list of repeaters in New York and Northern New Jersey, use:

[www.metrocor.net](http://www.metrocor.net)

For a detailed list of repeaters in Pennsylvania and Southern New Jersey, use:

<http://www.arcc-inc.org>

For instructions on how to receive QSL cards see:

<http://www.arrl.org/incoming-qsl-service>

To find out how ARRL Members can economically send QSL cards to DX stations, see:

<http://www.arrl.org/outgoing-qsl-service>

To track down a ham by callsign, name or address, try QRZ.com. If the station is FCC licensed, try [www.wireless.fcc.gov](http://www.wireless.fcc.gov), when you find the listing, click on it for more Details.

For a Band Chart, Part 97 Rules & Regulations, How to Get a Bargain at a Hamfest, What to Look For When Buying a Radio, How to Solder, How to Work DX, Phonetic Alphabet, Lists of Traffic Nets, a List of VE Exam Sessions or Radio Clubs in Your Area, or anything else about ham radio in general, try:

[www.arrl.org](http://www.arrl.org)

## Internet and e-Mail Address Links

Internet addresses and most call signs 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.

### **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 at 7pm 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: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Turn into the parking lot from Santiago Drive, and park near the pool. Enter the building nearest the intersection.*

### **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.hcarc.us](http://www.hcarc.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	Kevin Wagner	<a href="#">W2FA</a>	732-279-0532

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 per family.

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: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Turn into the parking lot from Santiago Drive and park near the pool. Enter the building nearest the intersection.

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 Reports

**Joe Militano KC2QLA**

FN20ua

All SSB 10 Watts or less

2/23/14

VE9GU 14.332 Canada FN77eo 0683 NE

3/01/14

OE8SKQ 28.543 Austria JN76jn 4263 NE

E7TT 28.549 Bosnia JN92ep 4555 NE

EA5GMB 28.560 Spain IM97jr 3826 ENE

S57UN 28.560 Slovenia JN86bp 4314 NE

IK4GRO 28.580 Italy JN54lp 4168 NE

GW7X 28.583 Wales IO81mo 3386 NE

9A5K 28.591 Croatia JN76wa 4327 NE

CR2X 28.595 Azores HM77ft 2598 ENE

PY4RGS 28.588 Brazil GH80ab 4580 SSE

PI4DX 21.399 Netherlands JO21aj 3680 NE

3/02/14

CN2AA 14.297 Morocco IM64pd 3662 ENE

EA6UN 28.590 Balearic Is. IM86hh 3762 ENE

HG6N 28.584 Hungary JN98ve 4408 NE

EI7M 28.553 Ireland IKO51uv 3166 NE

OQ4U 28.527 Belgium JO20kv 3727 NE

CR6T 21.280 Portugal IN50ug 3408 ENE

PJ4G 21.608 Curacao FK52nc 1953 SSE

CS2C 21.323 Czech Rep. IM57ou 3447 ENE

P4OL 21.326 Aruba FM52am 1918 S

DR7B 14.312 Germany JO61kb 4041 NE

SO2R 14.285 Poland JO83va 4311 NE

OZ7X 14.276 Denmark JO56gh 3808 NE

3/03/14

OM3TWM 28.535 Slovak Rep. KN08po 4452 NE

3/09/14

E74A 14.255 Bosnia&Herze.. JN93ds 4509 NE

YO6OSC 28.412 Romania KN26gn 4655 NE

3/12/14

YU1JW 14.244 Serbia JN93wu 4572 NE

3/13/14

RM22DX 14.222 Russia KO86wa 4717 NE

3/14/14

V31MA 28.477 Belize EK57ld 1805 SSW

**Russ Young WA2VQV**

Milford, Delaware

FM28hv

Compact indoor antenna



CP1FF 19Feb 2235Z RTTY 15m Bolivia FH53xl 3860 SE

6Y3M 28Feb 2153Z RTTY 12m Jamaica FK18ge 1438 E

W1AW/KG4 03Mar 1602Z SSB 20m Guantanamo FL20je 1294 E

PJ2/PA0VDV 03Mar 1608Z CW 12m Curacao FK52me 1888 ESE

VP5/N0AT 03Mar 1618Z RTTY 12m Turks & Caicos FL41ih 1237 E

V44KAO 11Mar 2209Z CW 17m St Kitts & Nevis FK87ph 1676 E

FG/F6ARC 11Mar 2220Z CW 17m Guadeloupe FK96eh 1766 E

ZB2FK 11Mar 2229Z W 12m Gibraltar IM76hd 3747 ENE

EA5MT 11Mar 2232Z RTTY 12m Canary Is IL27hv 3481 E

8P6SH 11Mar 2245Z RTTY 12m Barbados GK03gc 2023 ESE

CO6LC 11Mar 2251Z SSB 10m Cuba FL02aj 1171 E

F6GCP 11Mar 2308Z RTTY 17m France JN17ma 3839 ENE

HA5AGS 12Mar 1933Z RTTY 17m Hungary JN97mj 4500 ENE

LY24A 12Mar 1939Z SSB 17m Lithuania KO25am 4393 NE

TK4LS 12Mar 1950Z CW 17m Corsica JN42qa 4270 ENE

PJ6/KB1Z0J 12Mar 2017Z SSB 10m Saba FK84gq 1823 E

LY2J 13Mar 1950Z CW 20m Lithuania KO25am 4393 NE

EH7DPL 13Mar 1956Z CW 20m Spain IM76gd 3742 ENE

YU1DW 13Mar 2154Z SSB 20m Serbia JN93wu 4663 ENE

HI3TEJ 14Mar 2049Z CW 17m Dominican Rep FK49el 1361 E

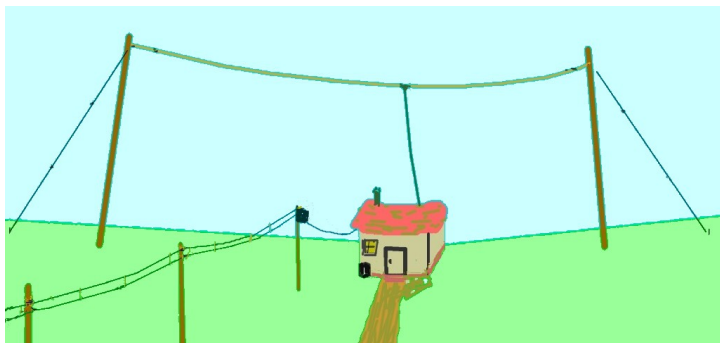
IK6SNR 14Mar 2109Z SSB 17m Italy JN62vu 4438 ENE

YU1KX 14Mar 2127Z CW 20m Serbia KN03rq 4734 ENE

HK0/UA4WHX 14Mar 2211Z CW 12m

San Andres Is EK92cq 1851 ESE





**Dear Elmer,**

*Why can't my antenna tuner match the "window wire" coming from the center of my half-wave antenna?*

Dear Friend,

The problem is that the 450 ohm impedance of the line is such a bad match to your (roughly) 60 ohm antenna.

If the length of the line were an even number of quarter-waves long (after allowing for the 0.91 velocity factor), the impedance it would present to the tuner would be about 60 ohms, which would be fine.

But an odd number of quarter-wavelengths would invert the impedance mismatch ratio, presenting the tuner with an impedance of 450 times 450 divided by 60 ohms. That's 3375 ohms, which may be well beyond the tuner's capability.

(Also, if the line's length is not a whole number of quarter-waves, it can also present a serious de-tuning.)

Your tuner could probably match 450 ohms, so I think that an impedance matching transformer at the antenna end would solve the problem, but I don't know if anybody makes one that matches a 60 ohm antenna to 450 ohm line.

The other choices are changing the length of the line or changing the line to a 50 or 75 ohm line, or using a delta match.

I've found that high impedance lines, like some antenna tuners, can cause more harm than good.

73,

*Elmer*

## Minutes of March Meeting

Meeting was called to order at 7:00 pm by Carl W2PTZ.

The Pledge of Allegiance was given by those present.

Introduction of attendees; 11 members and 1 guest present.

Secretary's Report submitted by Ed W1EAP reading of minutes previous meeting; was COMMENTED UPON then approved as submitted.

Treasurer's report submitted by LARRY K2QDY.

The report was approved as submitted.

The club received a letter from HCS expressing appreciation for our contribution and our service to the community. The letter was very positive.

John Roberts and Larry Puccio are working on enhancing dues payments; there are 26 PAID members.

Committee Reports:

Skyhook Report by John Roberts KQ4WR; majority of members receive the Skyhook from John via email. John investigating on those delivered by snail mail.

Membership report by Doug Poray KC2TCZ; Doug is developing a photo album.

VE testing group: Our crew came in but there were no candidates.

Programs report by Larry Loscalzo WA2VLR:

Soldering basics and techniques is on the agenda.

D star is on the agenda.

President's interests:

Old Business:

If we do our own Field Day, Murray offered to co-lead.

Field Day scenarios were discussed, to be resolved.

Larry volunteered to speak to Urb W1UL of Old Barney.

New Business:

Discussed signing up for April club luncheon, then selection of the License holder for club station W2HC was discussed, with Larry and Kevin each willing to take-on the obligation and responsibility.

Discussions open:

50/50 tickets were distributed and the drawing.

Adjourned business portion of meeting at 7:50 pm o'clock.

Coffee break.

Commenced the Program portion of meeting.

Closed meeting at 9:00 pm o'clock.

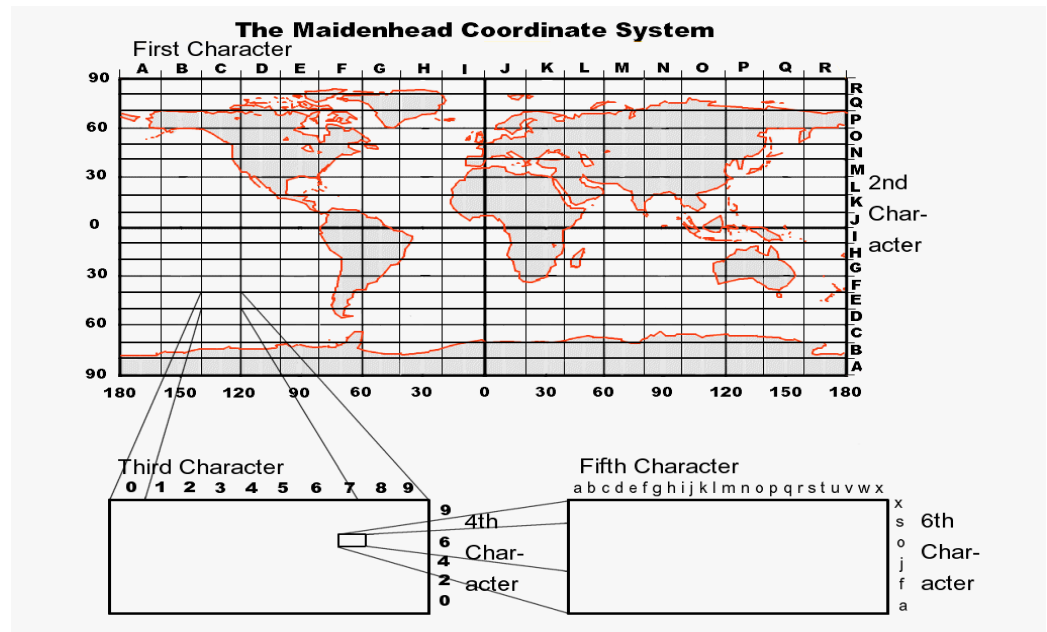
## Some April DX Contests

April is a busy month, but there may be time for some contesting.

Check out the ARRL website's current Contest Corral page at [www.arrl.org](http://www.arrl.org).

## Some DX Opportunities for April 2014

Compiled by NG3K



Sorted by Callsign

Begin	End	Entity	Callsign	QSL	C/IOTA	ITU	CQ	Grid	Miles	Dir	Bands	Modes*
04/11	04/14	Fiji	3D2SE	LotW	OC-016	56	32	RH82	7925	W		C
03/14	04/11	Tanzania	5H3MB	LotW	AF	53	37	KI71	7616	E		
04/04	04/15	Senegal	6W	F4GPK	AF	46	35	IK24	4200	E	160-10m	
03/14	04/03	Lesotho	7P8PB	LotW	AF	57	38	KG30	8092	ESE		
04/04	04/18	<b>Tonga</b>	<b>A35</b>	LotW	OC-049	62	32	AG28	7542	W	160-10m	C,S,R
04/04	04/18	<b>Tonga</b>	<b>A35</b>	LotW	OC-064	62	32	AH31	7542	W	160-10m	C,S,R
04/05	04/17	<b>Easter I</b>	<b>CE0Y</b>	CE1WFN	SA-001	63	12	DG52	5154	SSW	HF	
04/05	04/12	Madeira	CT9	F5SGI	AF	36	33	IM12	3187	E	80-10m	C
03/29	04/05	Cape Verde Is	D44TEG	HB9EBT	AF-005	46	35	HK85	3479	ESE	20-10m	C,P,R
03/16	04/08	Reunion	FR	F5MNV	AF-016	53	39	LG78	9220	E	HF	C
04/07	04/14	Dominican Rep.	HI7	EA5ZD	NA	11	08	FK58	1524	SSE	40-20m	C
04/18	04/25	<b>San Andres &amp; Pr.</b>	<b>HK0</b>	LW9EOC	NA	11	07	EK92	2000	SSW	80-10m	C,S
04/02	04/14	<b>San Andres &amp; Pr.</b>	<b>HK0/5J0X</b>	LotW	NA-033	11	07	EK92	7734	E	80-10m	C,S
04/09	04/17	<b>Ogasawara</b>	<b>JD1AAI</b>	JD1AAI	AS	45	27	QL17	7200	NW		C
04/27	05/11	<b>Ogasawara</b>	<b>JD1BMH</b>	Buro	AS-031	45	27	QL17	7200	NW	40-10m	C,S,R
04/09	04/20	<b>American Samoa</b>	<b>KH8</b>	DL2AWG	OC-077	62	32	AH45	7000	W	40-10m	C,S,R
04/05	04/18	Bonaire	PJ4H		SA-006	11	09	FK52	1958	S	160-10m	C,S,R
04/08	04/15	Palau	T88QX	LotW	OC-009	64	27	PJ77	8689	NNW	40-10m	C,S
04/29	05/07	Palau	T88ST	JR3STX	OC-009	64	27	PJ77	8689	NNW	80-6m	C,S,R
03/21	04/04	Mayotte	TO7BC	DL7BC	AF-027	53	39	LH27	8366	E	20-10m	C,S
03/20	04/01	<b>Austral Is</b>	<b>TX6G</b>	LotW	OC-114	63	32	BG57	6526	WSW	All	C,S,R
04/15	04/16	Antigua	V26MN	DF8AN	NA-105	11	08	FK77	1681	SSE	160-6m	
04/24	04/25	St Kitts & Nevis	V4	DF8AN	NA-104	11	08	FK87	1717	SSE	160-6m	C
04/25	04/29	St Kitts & Nevis	V4	DF8AN	NA-104	11	08	FK87	1717	SSE	160-6m	C
03/28	04/09	<b>Mellish Reef</b>	<b>VK9MT</b>	M0URX	OC-072	56	30	QH72	9067	WNW		
04/16	04/24	Montserrat	VP2MMN	DF8AN	NA-103	11	08	FK86	1763	S	160-6m	
03/19	04/01	Br Virgin Is	VP2V	Home	NA-023	11	08	FK78	1585	SSE	160-6m	C,S,R
03/20	04/01	<b>Chatham Is</b>	<b>ZL7AAA</b>	VE7NY	OC-038	60	32	AE15	8580	WSW	HF	C,S,R

\* Modes - - C=CW, S=SSB, R=RTTY