



# The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

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

April 2019

Toms River, NJ

## Car 54 Where Are You?



Portion of an APRS display from Wikipedia  
With the Automatic Packet Reporting System (formerly known as Automatic Position Reporting System), you wouldn't have to ask "Where are you?"

APRS reports not only home or mobile station location, but can also report weather and other information.

We intend to have two presenters tell us all about APRS at our April Meeting.

We'll also have our "experts" there to help you with any other questions or problems you may have.

For time and place, see the panel on the lower right of this page.

## Happy Birthday To:

George Icenhower WB2BNB

Bernie Klocko KC3GDY

Debra Klocko

Donna Perry

Grace Puccio

Marjorie Stafiej

Nancy Roberts



## And Happy Anniversary To:

Paul and Julie Dobrolovich



Mike and Susan Graber

## Chinese Buffet April 24th



### Fortune Buffet

It's not just Chinese or even Oriental style. This Buffet Restaurant also has Ice Cream, Pizza, and lots more. We always enjoy getting together at the Fortune Buffet.

On April 24th at noon, we will hold a luncheon at the [Fortune Buffet](#) located on Rt 37 behind the Ruby Tuesday restaurant. We will take a headcount at the April meeting. Our price is still only \$10, including tip. We hope to see you there.

**NEXT REGULAR MEETING:**  
**Thursday April 4th at 7:00 PM**  
**Bldg A, Meeting Rm. #1**  
**Holiday City South Clubhouse**  
**Santiago Drive at Mule Road**  
**Toms River, NJ**

## Ocean County ARES® News



– April, 2019

The next meeting of Ocean County ARES will be Wednesday, April 17<sup>th</sup>, at 7:00 PM, Ocean County EOC (Robert J. Miller Airpark). We will discuss the Fox Hunt from March 23<sup>rd</sup> and also plan for the MS-170 bike tour in May. Refreshments will be available, as always.

Just a reminder for anyone looking for the web address for ARES Connect. It is:

<https://arrl.volunteerhub.com/lp/snj>

If you know anyone wanting to be a member of ARES, send them to this site and sign up as a new member. If you are moving to another county or state, contact your local EC and they will arrange to have your records changed to your new location. Your ID is always your callsign. If you take any training courses, such as FEMA, please update your ARES Connect information. Also any critical information, such as phone number, address and email, must be updated by the ARES operator. If you change your callsign, ARES Connect must be revised by the ARRL and cannot be modified locally.

If you are not receiving notifications via groups.io and wish to join the Ocean County ARES group, notify the EC via email of a new address or if you have changed email addresses. The contact email is admin AT wa2res DOT com

Ocean County ARES submitted a modification request for coordination for the Harvey Cedars D-Star frequency pair to the ARCC late 2017. We have not heard any feedback on the status after it was accepted and processed for coordination review. We now find out that the ARCC coordination vice president retired at the end of 2018 and a large number of coordination requests have “vanished”. We followed all the rules and our request is in Limbo. This was to change the D-Star location officially to Berkeley. When and If it is

ever approved, the next step is to apply for a new frequency pair for Harvey Cedars. Both applications could not be submitted at the same time sine the new frequency is contingent on the move to Berkeley. All I can say is the ARCC is a joke and there is no agency to regulate them. They are all volunteers, like many aspects of Amateur Radio. You can’t even look up a coordination on the ARCC website because the database is several years old and not updated to reflect all coordinations.

.....

From K1CE:

I discovered and have been experimenting with [GoVerticalUSA](#) products. The Pennsylvania-based company sells new, used and surplus heavy duty mast sections, tripod/base components, guy rings, cable, accessories, etc. I discovered their products at a recent emergency communications exercise, but I also saw their outdoor booth at Orlando Hamcation® a few years ago.

These products would serve ARES operators well when quick set-up of masts and antennas are indicated in the field: at disaster areas and public event checkpoints, etc. - *K1CE*

.....

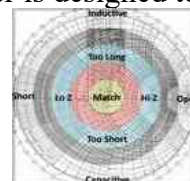
73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

## Do I Need An Antenna Tuner?

You should use an antenna tuner if your SWR is higher than your transmitter is designed to handle.



The ideal SWR is 1.0, but your transmitter will most likely be able to work with up to 2.0 or so. Your transmitter has to be able to work with whatever “load impedance” your transmission line happens to be presenting to it, which will not be the “characteristic impedance” of the transmission line itself.

[Continued on page 3]

[Continued from page 2]

I may need to define some words:

“Antenna tuner” is any device connected between the transmitter and the antenna to correct impedance mismatch.

“Transmitter” If you're using a transceiver, the transmitter is included in it.

“Transmission line” is whatever connects the transmitter's output to the antenna.

“Load” is what the signal's power flows into, as opposed to “Source”. For this discussion, we assume that the transmitter is the source and the antenna is the load.

“Impedance” is the ratio of the ac voltage to the ac current, but it's two ratios. The voltage may not be in sync with the current, so impedance must specify the ratio of the portion that's in sync with the current (i.e. Resistance), seperately from the portion that's a quarter-cycle out of sync with the current (i.e. Reactance). The radiation resistance, squared, times the current, is the transmitted power.

“Characteristic Impedance” is the load impedance for which the cable itself was made. For example, TV Coaxial Cable is 75 ohms, TV Ribbon is 300 ohms. “SWR”, for “Standing Wave Ratio”, is a measure of mismatch between the observed impedance at the input end of a cable and characteristic impedance of the cable itself. “SWR = 1” indicates a perfect match, If the SWR is more than about 2, something may need adjustment. For outdoor antennas, a remotely or automatically tuned antenna tuner should be placed on, near, or in, the ground, close to the ground connection, near the antenna. *Protecting the home from lightning is an essential consideration. If the antenna is the highest thing in the area, assume it will be struck by lightning sooner or later.* Indoor antennas may be placed in the attic; the higher the better. Some antennas, such as simple half-wave dipoles don't need a tuner to match 75 ohm cable, and will work well with 50 ohm cable also. But long runs of coaxial cable can be lossy. The characteristic impedance of Twin Lead (such as “TV ribbon”) or open-wire line, doesn't match the impedance of the antenna, nor does it match the impedance of the transceiver, so some kind of antenna tuner should be used at the transmitter end, and usually also some kind of impedance transformer at the antenna. Note that the radiation resistance of short antennas is 0.5 to 50 ohms, whereas ribbon cable is at least 300 ohms. An antenna tuner is usually necessary

when the resistance part of impedance differs by more than 2:1 or the reactance is not zero plus or minus 50 ohms.

-John Roberts KQ4WR

### Our VE Crew

Larry [K2QDY](#) (Liaison) 732-349-2950,  
Urb [W1UL](#), John [KQ4WR](#), Stan [KB2PD](#), Steve [N2WLH](#),  
Murray [KD2IN](#), Paul [N2QXB](#), Larry [WA2VLR](#), Tony [KD2GSO](#).  
*License exams are given by appointment at 6:30pm 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. Call Larry Puccio, K2QDY, at 732-349-2950 for an appointment.*  
*Directions: From either Route 37 W or Davenport Road, take Mule Road to Santiago Drive. Clubhouse A is the building nearest the street corner.*

### CLUB COMMITTEES

<u>Refreshments:</u>	Tony <a href="#">KD2GSO</a>	732-930-5779
<u>Webmaster:</u>	Steve <a href="#">N2WLH</a>	N2WLH@yahoo.com
<u>Programs:</u>	Tony <a href="#">KD2GSO</a>	732-930-5779
<u>Sunshine:</u>	Dave <a href="#">WA2DJN</a>	WA2DJN3@verizon.net
<u>Field Day:</u>	Larry <a href="#">K2QDY</a>	732-349-2950
<u>VE Sessions:</u>	Larry <a href="#">K2QDY</a>	732-349-2950
<u>Membership:</u>	Doug <a href="#">KC2TZC</a>	732-928-2316

### Holiday City Amateur Radio Club

Toms River, New Jersey

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

<b>President</b>	John Sawina	<a href="#">NA2R</a>	908-625-5622
<b>Vice President</b>	Billy Locke	<a href="#">KD2MHA</a>	732 281-0151
<b>Secretary</b>	John Perry	<a href="#">KD2NDY</a>	732-349-2705
<b>Treasurer</b>	Larry Puccio	<a href="#">K2QDY</a>	732-349-2950
<b>Executive Board</b>	Doug Poray	<a href="#">KC2TZC</a>	732-928-2316
<b>Executive Board</b>	John Roberts	<a href="#">KQ4WR</a>	732-966 4665
<b>W2HC Trustee</b>	Larry Puccio	<a href="#">K2QDY</a>	732-349-2950

Membership is open to all interested persons. Ham license is not required. Dues are \$25.00 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, except December.

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

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 street corner.-

The SKYHOOK is published monthly as the HCARC's official newsletter.  
Editor and Publisher:

John Roberts [KQ4WR](#) 7 Lincoln Ct. Whiting, NJ 08759-1505  
e-mail [KQ4WR@arrl.net](mailto:KQ4WR@arrl.net) 732 966 4665

## License Exams



Our VE team gives exams for Technician, General and Extra Class licenses at 7:00pm on the 2nd Wednesday of each month, unless there are no applicants, so if you need to take a test, be sure to call Larry Puccio at 732-349-2950 for an appointment.

## April Get-Togethers

The April schedule for our Get-Together group is:

- April 1 Noon Lunch at Lisa's
- April 8 9:00 Breakfast at Holiday City Diner
- April 15 Noon Lunch at Holiday City Diner
- April 22 9:00 Breakfast at Holiday City Diner
- April 29 Noon Lunch at Lisa's

Lisa's is at the far end of the small "strip mall" that's on Route 37W near the Mule Road jughandle.

Holiday City Diner is on Mule Rd. near the parking lot at Davenport Rd.

This informal group invites you to come, too.

## Bouvet Island DXpedition 3Y0I

As I write this, the Rebel group is finally actually enroute to Bouvet Island (far southwest of South Africa) aboard the Atlantic Tuna, a large recently rebuilt fishing vessel.

Check their progress on DXWorld.net.

Here are some parts of one of their bulletins:

"In general, with the current conditions, the high-volume bands are expected to be 20/30/40 meters. It is assumed that 160/80 would bring a long awaited opportunity to catch these much needed band-pointers. On high bands they

will have three fixed beams for EU, NA and Asia along with several multi-band verticals. JE1CKA himself will focus on 160/80 operations and will do cw exclusively for most of the operation.

3Y0I will use specialized observers for the 160/80 operations from three main focus areas. Martti, OH2BH (EU), Wayne, N7NG (NA) and Yasu, JR1AIB (Asia) will carefully follow the proceedings, and Martti will communicate potential adjustments via Satcom to the expedition venue.

This is a historical undertaking, likely under very severe conditions with no DX Foundation support nor involvement.

Dear Fellow DXers: It's time to include 3Y0I team in your prayers for their safe landing and happy return. They are going late in the season but are professionally prepared. Their success will be exclusively in the hands of Mother Nature as always. We are all wishing the 3Y0I team and the M/S Atlantic Tuna a safe journey.

For the 3Y0I team:

Martti, OH2BH, Wayne, N7NG, and Yasu, JR1AIB

## Russ Young, WA2VQV Worked:



CALLSIGN	DATE	UTC	FREQ	MODE	ENTITY	IOTA	Grid	Miles	Dir
<i>NOTE: Feb 16 contacts were in DX Contest</i>									
KP2M	Feb 16	0116Z	40M	CW	ST. CROIX IS., U.S.V.I.	NA-106	FK78sa	1585	SSE
S56X	Feb 16	0118Z	40M	CW	SLOVENIA		JN76hc	4364	NE
EI7M	Feb 16	0120Z	40M	CW	IRELAND	EU-115	I063uh	3318	NE
EA5EL	Feb 16	0132Z	40M	CW	SPAIN		IN80dj	3707	ENE
IR4K	Feb 16	0142Z	40M	CW	ITALY		JN62ma	4435	NE
TM3R	Feb 16	0144Z	40M	CW	FRANCE		JN18dt	3763	NE
S53A	Feb 16	0148Z	40M	CW	SLOVENIA		JN76hc	4364	NE
EF1A	Feb 16	0149Z	40M	CW	SPAIN		IN80dj	3707	ENE
E7/9A5K	Feb 16	0151Z	40M	CW	BOSNIA-HERZOGOVINA		JN94aa	4581	NE
9A5Y	Feb 16	0153Z	40M	CW	CROATIA		JN75sd	4435	NE
TM6M	Feb 16	0154Z	40M	CW	FRANCE		JN18dt	3763	NE
CU4DX	Feb 16	0156Z	40M	CW	GRACIOSA IS., AZORES	EU-175	HM78ma	2696	ENE
ZF1A	Feb 16	0209Z	40M	CW	GRAND CAYMAN IS., CAYMAN	NA-016	EK99jm	1383	SSW
EA5RS	Feb 16	0214Z	40M	CW	SPAIN		IN80dj	3707	ENE
LZ9W	Feb 16	2237Z	40M	CW	BULGARIA		KN12pq	4851	NE
TM5CQ	Feb 16	2239Z	40M	CW	FRANCE		JN18dt	3763	NE
OM3BS	Feb 16	2241Z	40M	CW	SLOVAKIA		J080ac	4288	NE
J42L	Feb 16	2245Z	40M	CW	GREECE		KM18ua	5058	NE
HG6N	Feb 16	2248Z	40M	CW	HUNGARY		JN97nm	4498	NE
DL6FBL	Feb 16	2249Z	40M	CW	GERMANY		J031aa	3863	NE
8P5A	Feb 16	2258Z	40M	CW	BARBADOS	NA-021	GK01gm	2131	SSE
PY0F	Feb 16	2314Z	40M	CW	FERNANDO DE NORONHA IS.	SA-003	HI36nd	4009	SE
5B4AMM	Feb 24	1932Z	20M	CW	CYPRUS	AS-004	KM65ma	5591	NE
OV1CDX	Feb 27	2104Z	30M	CW	SJAELLAND IS., DENMARK	EU-029	J065hq	3992	NE
EA8URT	Mar 07	1956Z	30M	CW	TENERIFE IS., CANARY IS.	AF-004	IL28ma	3503	E
GP0STH	Mar 08	1934Z	30M	CW	GUERNSEY IS.	EU-114	IN89pm	3533	NE
CJ3A	Mar 08	1947Z	40M	CW	ONTARIO, CANADA		FN04jm	436	NNW
II0IDP	Mar 08	2155Z	30M	CW	SARDINIA	EU-024	JN62ma	4435	NE
9G2HO	Mar 08	2214Z	30M	CW	GHANA		IJ95vm	5187	E
J68HZ	Mar 09	1617Z	17M	SSB	ST. LUCIA	NA-108	FK94ma	1932	SSE
EA8OM	Mar 15	2136Z	30M	CW	CANARY IS	AF-004	IL28ma	3503	E
V31MA	Mar 15	2145Z	30M	CW	BELIZE		EK57um	1669	SSW
5X3C	Mar 19	1907Z	20M	CW	UGANDA		KJ61ga	7135	ENE

## Some DX Opportunities

Callsigns shown in alphanumeric order.

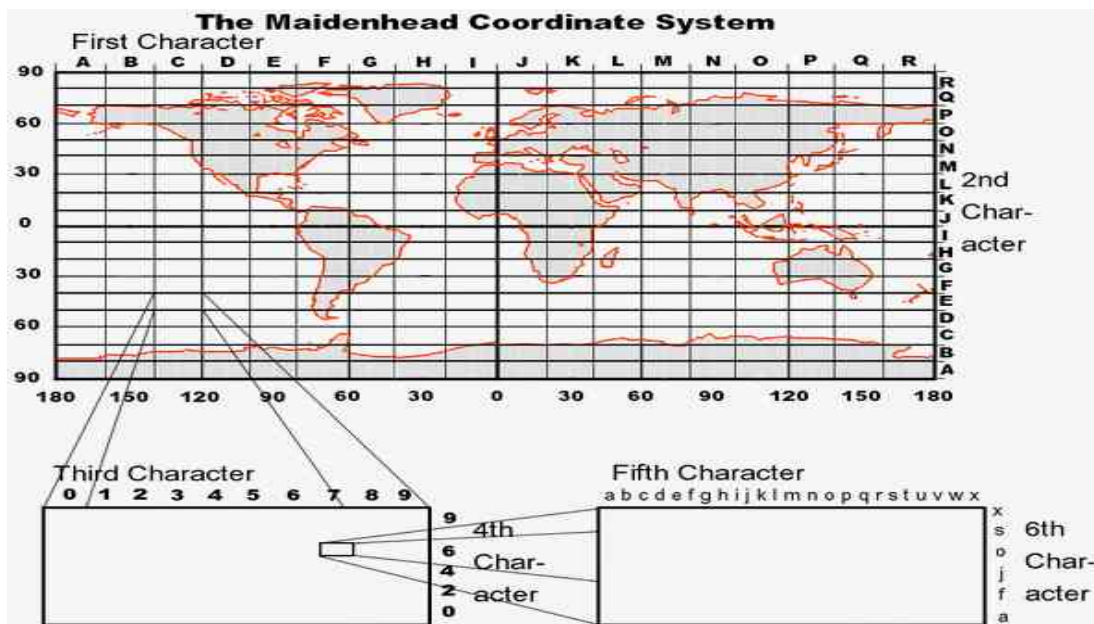
Many thanks to Bill Fiedt, NG3K.com, for compiling data from various sources, and to the sources listed below.

Mode codes: 8 = JT8, C = CW, D = Digital, J = JP4, P=PSK31, R = RTTY, S = SSB, T=SSTV. Lower case = "maybe".

Start	Finish	Call	Entity	IOTA	Bands	Modes	Grid	Miles	Dir	QSL via	Source
Mar 16	Apr 06	3W9JF	Vietnam		80-10m		OK30it	8933	N	F6CTF	DXW.Net
Mar 28	Apr 15	3Y0I	Bouvet I	AN-002	160-6m	C,S,8	JD15rn	7964	SE	LoTW	OPDX
Mar 17	Apr 14	6W/IV3FSG	Senegal		80-10m	C,8	IK15aa	3784	E	LoTW	TDDX
Mar 28	Apr 10	6Y5KB	Jamaica	NA-097	80-6m	C,S,8,r	EK92dm	1951	SSW	LoTW	TDDX
Mar 13	Apr 17	8P6DR	Barbados	NA-021	80-10m	C,R	GK03fe	2055	SSE	LoTW	TDDX
Apr 01	Apr 07	8Q7DM	Maldives	AS-013	20-10m	8,S	MJ63oe	8818	NE	SP3DX	DXW.Net
Apr 13	Apr 20	9G5GS	Ghana		80-20m	8	IJ84sx	5038	E	IZ4YGS	TDDX
Apr 01	Apr 15	C5DL	Gambia		160-10m	C,S,D	IK13pj	3920	E	LoTW	DL7DF
Mar 08	Apr 03	CT9/DL3KWR	Madeira	AF-014	WARC&60m	C	IM12mq	3175	E	LoTW	TDDX
Mar 08	Apr 03	CT9/DL3KWF	Madeira	AF-014	WARC&60m	C	IM12mq	3175	E	LoTW	TDDX
Apr 02	Apr 11	E51AUZ	South Cook Is	OC-013			BG08cs	6927	WSW	DL1AUZ	DXW.Net
Apr 02	Apr 11	E51NPQ	South Cook Is	OC-013			BG08cs	6927	WSW	DM7PQ	DXW.Net
Apr 21	Apr 28	E51DLD	South Cook Is	OC-013	160-10m	S	BG08cs	6927	WSW	W4HB	DXW.Net
Mar 18	Apr 02	E6ET	Niue	OC-040	160-10m	S,C,R,8	AH56bw	7094	W	Club Log	DXW.Net
Apr 21	May 03	F0/KE1B	French Polynesia	OC-067	20m	FT8	BH52bk	6271	WSW	LoTW	OPDX
Apr 30	May 05	GJ6EFW	Jersey	EU-013		S,C,D	IN89we	3472	NE	ON6EF	TDDX
Apr 06	Apr 13	OH0/...	Liechtenstein		160-10m	C,S	JN47sa	4026	NE	PA2RDK ?	TDDX
Mar 18	Apr 15	J52EC	Guinea Bissau		80-10m	S	IK22ma	4070	E	IZ3BUR	TDDX
Apr 14	Apr 20	J20DX/p	Djibouti	AF-053			LK11mq	7076	ENE	LoTW	DXW.Net
Apr 14	Apr 20	J20DX/p	Djibouti	AF-059			LK12qn	7048	ENE	LoTW	DXW.Net
Apr 15	Apr 22	KH8/OZ0J	American Samoa	OC-045	80-12m	C,S,8,r	AH45op	7192	W	LoTW	DXW.Net
Apr 15	Apr 22	KH8/OZ1RH	American Samoa	OC-045	80-12m	C,S,8,r	AH45op	7192	W	LoTW	DXW.Net
Apr 13	Apr 14	OJ3W	Market Reef	EU-053	60 & 30m	C,S	JP90mh	3980	NE	OH3WS	TDDX
Mar 20	Mar 23	PJ2	Curacao		160-20m	C	FK52jf	1942	S	LoTW	TDDX
Apr 16	Apr 23	T32AZ	East Kiribati	OC-024	80-10m		BI50aa	5925	WSW	KH6QJ	DXNews
Apr 14	Apr 22	TF/EB3GCP	Iceland	EU-021	80-10m	c,8	IP15mm	2826	NNE	LoTW	TDDX
Apr 27	May 08	T019A	Reunion	AF-016	160-40m		LG79sa	9227	E	9A2AA ?	TDDX
Mar 21	Apr 22	T02BC	French Guiana		40-10m	S,r,d,c	GJ43vu	3038	SSE	LoTW	TDDX
Mar 21	Apr 19	V31RF	Belize		40&20m	S	EK56tm	1829	SSW	K8NDS	TDDX
Apr 01	Apr 22	V47JA	St Kitts & Nevis	NA-104	160-6m	S,8	FK87pf	1717	SSE	LoTW	W5JON
Apr 01	Apr 14	VK9N	Norfolk I	OC-005	160-10m	C,S	RG30xx	8892	W	VE3QB ?	DXW.Net
Mar 09	Apr 03	XR0ZRC	Juan Fernandez	SA-005	160-10m	C,S,8	FF06ni	5097	S	LoTW	DXNews
Apr 06	Apr 16	XT2AW	Burkina Faso		160-60m	C,S,R,8	IK92dh	4756	E	M0OXO	TDDX
Apr 17	Apr 25	XT2MAX	Burkina Faso		80-10m	C,8	IK92dh	4756	E	LoTW	DK1MAX
Apr 27	May 04	XV9XX	Vietnam		40-17m		OK36tI	8531	N	LoTW	TDDX
Apr 18	Apr 22	Z66Z	Kosovo		80-10m	C,S,8	KN02nq	4666	NE	LoTW	TDDX

## March DX By Larry Puccio K2QDY

Callsign	Mode	Freq	Entity	IOTA	Grid	Miles	Dir
3D2AG	40 CW	7.001	Fiji	OC-016	RH91fv	7922	W
C6AKT	40 CW	7.014	Bahamas	NA-001	FL14se	1098	S
S52NY	40 CW	7.004	Slovenia		JN75ru	4312	NE
OK1FTC	20 CW	14.009	Czech Rep		J070ec	4127	NE
SP8HZZ	40 CW	7.008	Poland		K000aa	4349	NE
EA4ACO	40 CW	7.035	Spain		IN80dj	3620	ENE
EA2AJB	20 CW	14.025	Spain		IN91wb	3771	ENE
ED5FDC	20 CW	14.025	Spain		IN80dj	3620	ENE
IZ1JLG	20 SSB	14.225	Italy		JN62ma	4343	ENE
ZF1A	20 SSB	14.237	Cayman Is.	NA-016	EK99jm	1472	SSW
PP5RT	20 SSB	14.237	Brazil		GG52et	4905	SSE
T42T	20 SSB	14.247	Cuba		EL83tc	1258	SSW
C02GG	20 SSB	14.252	Cuba	NA-093	EL83sc	1260	SSW
TG9IN	20 SSB	14.277	Guatemala		EK44so	2008	SW
XF9CW	20 SSB	14.285	Mexico		EL14aa	1764	WSW
DH1TT	20 SSB	14.298	Germany		J031aa	3768	NE
HI3T	20 SSB	14.293	Dominican Rep	NA-096	FK49tl	1434	S
IR4X	20 SSB	14.289	Italy		JN62ma	4343	ENE
EY1A	20 SSB	14.287	Tajikistan		MM39mm	6431	NNE
YT1A	20 SSB	14.283	Serbia		KN04gv	4557	NE
OH3Z	20 SSB	14.282	Finland		KP34aa	4068	NNE
EW6W	20 SSB	14.280	Belarus		K034sa	4471	NE
S50K	20 SSB	14.275	Slovenia		JN75cw	4257	NE
TM6M	40 SSB	7.151	France		JN18dt	3669	NE
HG3R	40 CW	7.126	Hungary		JN97nm	4403	NE
ED5S	40 CW	7.149	Spain		IN80dj	3620	ENE
9A1A	40 SSB	7.156	Croatia		JN85ao	4345	NE
EA5DFV	40 SSB	7.159	Spain		JM08as	3848	ENE
ZF1A	20 SSB	14.279	Cayman Is.	NA-016	EK99jm	1472	SSW
KP2M	20 SSB	14.244	US Virgin Is.	NA-106	FK78sa	1625	SSE
T46A	20 SSB	14.235	Cuba		EL83tc	1258	SSW
OM8CW	20 SSB	14.209	Slovak Rep		J080ac	4192	NE
TG9IN	20 SSB	14.215	Guatemala		EK44so	2008	SW
T42T	20 SSB	14.220	Cuba		EL83tc	1258	SSW
OM5ZW	20 SSB	14.248	Slovak Rep		J080ac	4192	NE
PJ0DX	20 SSB	14.242	Saint Maarten		FK88ma	1660	SSE
9A1A	20 SSB	14.252	Croatia		JN85ao	4345	NE
LZ5DD	20 SSB	14.281	Bulgaria		KN12qr	4758	NE
KP2M	20 SSB	14.297	US Virgin Is.	NA-106	FK78sa	1625	SSE
HG3R	20 SSB	14.237	Hungary		JN97nm	4403	NE



April						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Noon Lunch at Lisa's	2	3	4 HCARC Regular Meeting	5	6
7	8 9:00 Breakfast at HC Diner	9	10 License Exams by appoint.	11	12	13
14 Palm Sunday & JSARS Hamfast	15 Noon Lunch at HC Diner	16	17	18	19 Good Friday	20 First day of Passover
21 Easter Sunday	22 9:00 Breakfast at HC Diner	23	24 Chinese Buffet see page 1	25	26	27
28 Orthodox Easter	29 Noon Lunch at Lisa's	30				