



The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

www.hcarc.us

March 2019

Toms River, NJ

“Antennas” At Our March Meeting



Illustration 1: 7J4AAL's Yagis for 160 & 80 meters
Most radio amateurs are aware that the location and type of antenna is probably the most important consideration in the design of any radio (or TV) station. Commercial stations usually spend much more on the antenna system than on the transmitter.

We intend to consider the pros and cons of outdoor and indoor antennas, vertical vs horizontal antennas, loop antennas vs dipoles, and lots more.

Outlined in yellow in the photo above are 7J4AAL's 160m and 80m Yagi antennas, up about 200 feet. For size comparison, note the ambulances in the parking spaces of the nearby hospital.

Say Happy Birthday To:

Ira Dechowicz N2RKV

Ray Kozakiewicz KC2TPK

John Roberts KQ4WR

Julie Dobrolovich

Susan Graber

Sarah Punderson



VE Session Report



At our February 13th License Exam Session, Frank Massimino, KD2PHC, of Lakewood, successfully upgraded to General class. Congratulations, Frank.

March Get-togethers

Some of our members enjoy getting together for brunch. You're welcome to join them. Here's the schedule:

March 4 Noon Lunch at Lisa's Restaurant/Pizzeria

March 11 9:00 Breakfast at the Holiday City Diner

March 18 Noon Lunch at the Holiday City Diner

March 25 9:00 Breakfast at the Holiday City Diner

Lisa's is in the strip mall on Route 37 W opposite Mule Road. The HC Diner is on Mule Road near Davenport Road.

Call Tony Kuzinski, KD2GSO, 732 930-5779.

Sevier County Hamfest

Planning to visit Dollywood?

Consider this nearby hamfest. Sevier County Hamfest & Tennessee Section Convention, Sevier County Fairgrounds, Sevierville, TN, March 30, 2019.

Featuring dealers including WIREMAN, DX Engineering, GigaParts, MFJ, & ARRL.

NEXT REGULAR MEETING:
Thursday March 7th 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



On Saturday, February 16th, a handful of Ocean County ARES members attended a seminar at Cooper Medical Center in Camden, “Amateur Radio in Public Health & Medical Services (ESF-8)”. I would like to thank all the Ocean County operators who attended. It was a great show of support. The good news is that Cooper looks like they are going to make this an annual event, so if you did not have a chance to make it this year, try and attend next year. Topics included Yaesu System Fusion, APRS and Emergency Power, AREDN and NVIS Technology. The afternoon included breakout groups where operators could see the above topics up close with demonstrations.

Our new Section Manager, N2XW and Section Emergency Coordinator, WB2ALJ were also introduced to the nearly 100 attending.

I would like to announce that Tom, WB2ALJ, is also the Public Information Officer (PIO) for Ocean County ARES. He is the single point of contact for any media requests related to our operation, should it be required. If any Ocean County ARES operator is ever confronted at a scene for details of the event, you are to refer the inquiry to Tom. A question as simple as “what’s going on” can be twisted into erroneous information.

The ARRL Board of Directors - the League's elected policymakers -- met in formal session last month, taking significant actions of special interest to ARES, NTS and other amateur emergency communications communities.

The chairman of the Public Service Enhancement Working Group (PSEWG), Great Lakes Division Director Dale Williams, WA8EFK, updated the Board on how the committee had incorporated comments gathered from last fall's survey into its report and the new ARES Strategic Plan draft. The Board adopted the ARES Plan as proposed by the PSEWG and recommended by its Programs and Services Committee. A copy of the ARES Strategic Plan was sent out to all Ocean County ARES operators via email.

A Section Operating Plan is also in the final stages of review for SNJ ARES. It was written by KC2OON, edited by WB2ALJ and is now in final review by all SNJ county emergency coordinators. As soon as the final edition is approved, I'll send the document and/or link to all Ocean County ARES operators.

Due to inclement weather the Ocean County ARES meeting scheduled for February 20th was moved to February 21st. My apologies to anyone inconvenienced by the change. Since most schools were closed and state operators were sent home, I felt it prudent not to put any operators at risk on slippery roads.

73 de WX2NJ

Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

Band Plans And Handy Links

A handy chart of the “ham” bands is free for the copying at:

<http://www.arrl.org/files/file/Regulatory/Band%20Chart/Band%20Chart%20-%2011X17%20Color.pdf>.

Within those band limits, more detailed plans for usage of each of the individual bands are detailed in the first several SKYHOOK Newsletters of 2013. Just click in the Newsletter link near the top center of our www.hcarc.us main page.

Here's a link to the ARRL's latest copy of FCC Part 97:

<http://www.arrl.org/part-97-text>

And here's a link to the FCC's Ham Operator Data Base:

<http://wireless2.fcc.gov/UlsApp/UlsSearch/searchLicense.jsp>

Logbook Of The World (LoTW)

If you work DX (distance), you should at least keep a log of your activity. You can send copies of your logs to the ARRL's Logbook of The World so the hams you 'work' have proof that they were able to “work” you. However, you first need to register your station with the LoTW. Check out <https://lotw.arrl.org/lotw-help/getting-started/?lang=en>

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.

If you are already listed in the FCC's ULS data base, you can use the FRN number on your FCC license instead of your Social Security Number.

You will need two good forms of identification, one of which should be a photo ID, such as a drivers license.

It's possible to take tests for 2, or even all 3 license levels at one sitting.

When you feel ready for an exam, be sure to call Larry Puccio ASAP at 732-349-2950 for an appointment.

Membership

(Poetry from the September 1991 NJDXA newsletter)

Are you an active member,
the kind that would be missed?

Or, are you just contented that
your name is on the list?

Do you attend the meetings
and mingle with the flock?

Or, just meet in private
and criticize and knock?

Do you take an active part
to help the work along?

Or, are you satisfied to be
the kind that just belongs?

Do you work on committees,

to this there is no trick;

Or leave the work to just a few
and talk about the clique?

Please come to meetings often
and help with hand and heart.

Don't just be a member
but take an active part.

Think this over members,
you know what's right and wrong.

Are you and active member,
or do you just belong?

"Thank you" to Gus Hellman for sending it to us.

CLUB COMMITTEES

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

Holiday City Amateur Radio Club

Toms River, New Jersey

Web Site www.hcarc.us

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

Membership is open to all interested persons. Ham license is not required. Dues are \$25.00 per year, payable Jan 1st. 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:

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e-mail KQ4WR@arrl.net 732 966 4665

Larry Puccio's K2QDY DX Report

Worked in the month of February:

Station, Frequency, Entity, Location, Miles, Direction:



PI4A	7.009	MHz	Netherlands	J022kj	3687	NE
PI4A	3.520	MHz	Netherlands	J022kj	3687	NE
HB9CVQ	3.502	MHz	Switzerland	JN37ma	3920	NE
Y01XA	7.003	MHz	Romania	KN34bj	4802	NE
V31FO	3.511	MHz	Belize	EK57um	1764	SSW
V31U	14.025	MHz	Belize	EK57um	1764	SSW
OM0M	3.520	MHz	Slovak Republic	J080ac	4192	NE
R3ZZ	3.533	MHz	Russia	K080kj	4937	NE
HA5JI	3.539	MHz	Hungary	JN97nm	4403	NE
XE2R	3.539	MHz	Mexico	EL14aa	1764	WSW
S53M	3.538	MHz	Slovenia	JN76hc	4269	NE
S04M	3.544	MHz	Poland	K000aa	4349	NE
YT2T	3.557	MHz	Serbia	KN04gv	4557	NE
I03F	7.046	MHz	Italy	JN62ma	4343	ENE
XE7S	14.020	MHz	Mexico	EL14aa	1764	WSW
XE7S	21.020	MHz	Mexico	EL14aa	1764	WSW
9A5D	14.021	MHz	Croatia	JN75sd	4341	NE
9A1A	14.021	MHz	Croatia	JN75sd	4341	NE
ER5R	14.018	MHz	Moldova	KN47ma	4807	NE
EA7PP	14.038	MHz	Spain	IN80dj	3620	ENE
G5W	14.038	MHz	England	I091wm	3506	NE
JA3YBK	14.039	MHz	Japan	PM95vq	6783	NNW
P40L	14.038	MHz	Aruba	FK52am	1915	S
V37DX	14.039	MHz	Belize	EK57um	1764	SSW
KP4EJ	14.042	MHz	Puerto Rico	FK68vm	1557	SSE
KH7M	14.027	MHz	Hawaii	BL11ch	4958	WNW
KH7B	14.038	MHz	Hawaii	BL11ch	4958	WNW
G5W	7.025	MHz	England	I091wm	3506	NE
OL7M	7.040	MHz	Czech Republic	J070ec	4127	NE
ZF1A	7.031	MHz	Cayman Islands	EK99jm	1472	SSW

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
Feb 19	Mar 06	3W9JF	Vietnam	AS-128	80-17m		OK30hs	8936	N	EA5GL Dir	DXW.Net
Mar 16	Apr 06	3W9JF	Vietnam		80-10m		OK30it	8933	N	F6CTF Dir	DXW.Net
Feb 17	Mar 31	5T5PA	Mauritania		160-10m	S,R,8	IK28aa	3762	E	LoTW	TDDX
Mar 14	Mar 26	5V7EI	Togo		160-10m	S,C,D	JJ06sa	5202	E	LoTW	DXW.Net
Mar 13	Mar 25	5X3C	Uganda		160-10m	C,S,R,8	KJ60hd	7104	E	LoTW	TDDX
Mar 13	Mar 25	5X3E	Uganda		160-10m	8	KJ60hd	7104	E	LoTW	TDDX
Feb 26	Mar 24	60100	Somalia		80-10m		LK40ma	7438	ENE	see ADXO	DXW.Net
Feb 20	Mar 30	6W7/ON4AVT	Senegal		40-10m	D,C,S	IK15aa	3784	E	ON4AVT	TDDX
Mar 08	Mar 16	7P8LB	Lesotho		160-40m	8,S,C	KG30vo	8091	ESE	M00XO	DXW.Net
Mar 13	Apr 17	8P6DR	Barbados	NA-021	80-10m	C,R	GK03fe	2055	SSE	LoTW	TDDX
Mar 09	Mar 20	9G2DX	Ghana		80-10m		IJ95vm	5132	E	LoTW	DXNews
Feb 17	Mar 15	9G5GS	Ghana		60-20m	8,d	IJ95vm	5132	E	IZ4YGS Dir	TDDX
Mar 06	Mar 09	A52ZB	Bhutan		160-10m		NL58aa	7637	NNE	DJ9ZB	TDDX
Feb 27	Mar 05	A52IC	Bhutan		160-10m	C,S,8	NL58aa	7637	NNE	E21EIC	TDDX
Mar 05	Mar 12	C52DF	Gambia		40-10m	C	IK13ma	3923	ESE	LoTW	425DXN
Mar 08	Mar 16	C6AKT	Bahamas	NA-001	10-10m	C	FL14ak	1094	SSW	LoTW	DXNews
Mar 09	Mar 11	E51AUZ	South Cook Is	OC-013			BG08cs	6927	WSW	DL1AUZ	DXW.Net
Mar 12	Mar 25	E51AUZ	North Cook Is	OC-014			AH99mn	6512	W	DL1AUZ	DXW.Net
Mar 27	Mar 31	E51AUZ	South Cook Is	OC-013			BG08cs	6927	WSW	DM7PQ	DXW.Net
Mar 14	Mar 22	E51HMK	South Cook Is	OC-013		S,d	BG08cs	6927	WSW	LoTW	TDDX
Mar 09	Mar 11	E51NPQ	South Cook Is	OC-013			BG08cs	6927	WSW	DM7PQ Dir	DXW.Net
Mar 12	Mar 25	E51NPQ	North Cook Is	OC-014			AH99mn	6512	W	DM7PQ Dir	DXW.Net
Mar 27	Mar 31	E51NPQ	South Cook Is	OC-013			BG08cs	6927	WSW	DM7PQ Dir	DXW.Net
Mar 19	Apr 02	E6ET	Niue	OC-040	160-10m	S,C,R,8	AH56bw	7094	W	Club Log	DXW.Net
Feb 22	Mar 10	FG/F6HMQ	Guadeloupe	NA-102		S	FK96eg	1805	SSE	F6HMQ	TDDX
Feb 22	Mar 10	FG/F6GWV	Guadeloupe	NA-102		S	FK96eg	1805	SSE	F6HMQ	TDDX
Feb 23	Mar 10	FK/JG1XMV	New Caledonia	OC-032	40-15m	S	RG28ps	8745	W	LoTW	TDDX
Feb 17	Mar 05	FM/DK9PY	Martinique	NA-107	80-10m	C	FK94mq	1923	SSE	DK9PY	DXW.Net
Mar 06	Mar 12	FO/OK2ZI	French Polynesia	OC-046	40-10m	C,S,D,8	BH52bp	6262	WSW	LoTW	425DXN
Feb 27	Mar 06	HD8M	Galapagos	SA-004	160-6m	C,S,d	EI49sm	2977	SSW	LoTW	DXNews
Mar 06	Mar 13	KG4AAS	Guantanamo	NA-015	80-10m	C,S,8	FK29kv	1388	S	N4SIA	OPDX
Mar 06	Mar 13	KG4SC	Guantanamo	NA-015	80-10m	C,S,8	FK29kv	1388	S	KP2L	OPDX
Mar 15	Mar 17	MJ0CFW	Jersey	EU-013			IN89vh	3465	NE	LoTW	M0CFW
Mar 14	Mar 30	PJ2/DK50N	Curacao	SA-099	80-6m	C,S,R,8	FK52jf	1941	S	LoTW	DK50N
Mar 02	Mar 30	PJ7AA	Sint Maarten	NA-105	80-10m	C,S,R,J	FK881b	1655	SSE	AA9A	DXNews
Feb 16	Mar 05	T31EU	Central Kiribati	OC-043	160-10m	C,S,R,8	AI47de	6742	W	LoTW	PA3EWP
Mar 21	Apr 22	T02BC	French Guiana		40-10m	S,r,d,c	GJ43vu	3038	SSE	LoTW	TDDX
Feb 23	Mar 02	V31GF	Belize		40-10m	S,c	EK57um	1764	SSW	LoTW	TDDX
Feb 28	Mar 08	VP5/AA5UK	Turks & Caicos	NA-002	40-10m	S,D	FL31wt	1261	S	LoTW	DXNews
Mar 11	Mar 27	XR0ZRC	Juan Fernandez	SA-005	160-10m	C,S,8	FF06ni	5097	S	LoTW	DXNews
Mar 10	Mar 16	XV9JK	Vietnam	AS-157	40-17m	S,8	OK45fq	8593	N	SP5APW	DXW.Net
Feb 16	Mar 18	XV9YM	Vietnam		40-10m	C	OK30lk	8958	N	LoTW	DXNews
Mar 01	Mar 15	ZF2CA	Cayman Is	NA-016	160-10m	C,S	EK99sm	1460	SSW	G4CWH	OPDX

How To Order A Badge

Thank You

We also want to thank Larry Puccio and Russ Young for their DX reports, and Bob Murdock for the ARES newsletter.



To order a holiday City ARC badge, call Capital Engraving at 1-800-628-4985 after 1PM M-F. Use your credit card to pay. Cost is \$13.25 plus \$4 S&H. Al Ross WA7UQE will take care of you and put your callsign and name on the badge.

Russ Young's WA2VQV DX Report

Russ Young worked all these DX stations by using this compact indoor loop antenna!



CALLSIGN	DATE	UTC	FREQ	MODE	ENTITY	IOTA	MILES	DIR
IG9/S52P	Jan 24	0147Z	40m	CW	Lampedusa Is., ITALY	AF-019	4434	NE
HI1LT	Jan 25	2119Z	30m	CW	Isla Beata, Dominican Rep.	NA-122	1412	SSE
VE7ACN/7	Jan 25	2226Z	30m	CW	Cortes Is., BC Canada	NA-091	2519	NW
F6KNB	Jan 26	2235Z	40m	CW	France		3761	NE
FY5KE	Jan 26	2239Z	40m	CW	French Guiana		2792	SE
J68GD	Jan 30	2021Z	30m	CW	St. Lucia	NA-108	1942	SSE
CT3MD	Jan 19	2327Z	40m	CW	Madeira Is.	AF-014	3247	ENE
KH7XS	Feb 01	1756Z	17m	CW	Hawaii	OC-019	4915	WNW
IK0YVV	Feb 01	1810Z	20m	CW	Italy		4434	NE
PJ2ND	Feb 01	2001Z	30m	CW	Curacao	SA-099	1882	SSE
XE2I	Feb 02	1959Z	20m	CW	Mexico		1674	WSW
HK0RMR	Feb 03	1823Z	17m	CW	San Andres Is.	NA-033	2344	S
TZ4AM	Feb 03	1838Z	17m	CW	Mali		4450	E
CT8/UZ5DX	Feb 11	2243Z	40m	CW	Graciosa Is., Azores	EU-175	2694	ENE
E77E	Feb 13	0114Z	40m	CW	Bosnia-Herzegovina		4579	NE
VP2MKG	Feb 13	2108Z	20m	CW	Montserrat	NA-103	1724	SSE
KH7XS	Feb 13	2112Z	20m	CW	Hawaii	OC-019	4915	WNW
TO8T	Feb 14	0129Z	40m	CW	Martinique	NA-107	1890	SSE
EA8RM	Feb 14	2031Z	15m	CW	Canary Is.	AF-004	3404	E
8P5A	Feb 14	2033Z	15m	CW	Barbados	NA-021	2024	SSE
HQ9X	Feb 14	2040Z	15m	CW	Roatan Is., Honduras	NA-057	1700	SSW
KH6/NA2U	Feb 14	2042Z	15m	CW	Hawaii	OC-019	4915	WNW
OA1F	Feb 14	2052Z	15m	CW	Peru		3519	S
KH6/NA2U	Feb 15	0324Z	40m	CW	Hawaii	OC-019	4915	WNW
YT1A	Feb 15	1515Z	20m	CW	Serbia		4651	NE
5B/RN3QO	Feb 15	2035Z	20m	CW	Cyprus	AS-004	5590	NE
8P5A	Feb 16	2258Z	40m	CW	Barbados	NA-021	2024	SSE
VP5/K0PC	Feb 18	2132Z	30m	CW	Turks & Caicos	NA-002	1197	S
CT9/DL5WS	Feb 18	2144Z	30m	CW	Madeira Is.	AF-014	3247	ENE

Metric Prefix Chart

Each step in the chart is 1000 times the step below. So for example, 7000 kHz = 7 MHz.

yotta	Y	10 ²⁴	
zetta	Z	10 ²¹	
exa	E	10 ¹⁸	
peta	P	10 ¹⁵	
tera	T	10 ¹²	trillion
giga	G	10 ⁹	billion
mega	M	10 ⁶	million
kilo	k	10 ³	thousand
(blank)		10 ⁰	times 1
milli	m	10 ⁻³	thousandth
micro	μ	10 ⁻⁶	millionth
nano	n	10 ⁻⁹	trillionths
pico	p	10 ⁻¹²	
femto	f	10 ⁻¹⁵	
atto	a	10 ⁻¹⁸	
zepto	z	10 ⁻²¹	
yocto	y	10 ⁻²⁴	

Q Signals

By John Roberts KQ4WR
Decades ago, shipboard CW operators saved considerable time and effort by using 3-letter codes to represent commonly used questions and answers. They also had the advantage of meaning the same thing in any language. These codes all begin with a "Q", for "question", when followed by a question mark, or the answer to a question, when without the question mark. For example, to ask "What is your current latitude and longitude?", they would simply send "QTH?", and the other station might respond with something like "QTH 39 57 29 N 74 14 35 W". Here are some that are still in use by radio amateurs, very roughly translated, with memory aids. These should not be used on phone, where Q-signals are rarely necessary, and often mis-understood. Here are some examples:

QRL? = Are you busy?
QRL = We're busy, don't interrupt
QRM? = Is my signal being Messed with?
QRM 3 = Moderate interference (scale of 1 to 5; 1 = nil, 3 = moderate, 5 = extreme)
QRN? = Are you being bothered by Natural interference?
QRN 2 = Light "static" on your signal (scale of 1 to 5)
QRO? = Should I increase Output power?
QRO = Increase your Output power
QRP? = May I Reduce Power?
QRP = Reduce Power (usually means 5 watts or less)
QRS? = Should I send Slower?
QRS 13 = Slow down to 13 word per minute
QRQ? = Should I send faster (Quicker)?
QRQ 25 = Try 25 words a minute
QRT? = May I QUIT sending?
QRT = Let's call it a day
QRV? = Are you set up and ready?
QRV = I'm set up and ready
QRX? = When will you call me again?
QRX 0045Z on 3508 = I'll call you at 0045 UTC on 3508 kHz
QRZ? = Who is calling me?
QRZ W1UL 7013 = W1UL is calling you on 7013 kHz
QSA? = What is my Signal Amplitude?
QSA 2 = Your signal is very weak on a scale of 1 to 9 (or S-meter reading)
QSB? = Is my signal fading?
QSB = Your signal is fading
QSK? = Can your hear my signal while you're sending,?
QSK = I can hear you between my words
QSL? = Can you Send a Letter as proof of this contact?
QSL = I'll verify this contact with a QSL card (or LoTW)
QSO? = Can you contact ___ ?
QSO = I can contact ____
QSY? = Shall I Shift frequency?
QSY 1 = Increase your frequency by 1kHz
QTH? = What is your location?
QTH Toms River NJ = I'm in Toms River NJ

Your Calendar For March 2019

March						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2 ARRL IDX Contest Phone
3 Contest continues	4	5	6 Ash Wednesday	7 HCARC Meeting 7:00PM	8	9
10 DST Begins	11	12	13 FCC Exams by appoint. See page 3.	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30 CQ WPX Contest SSB
31 Contest continues						