



The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

www.hcarc.us

March 2022

Toms River, NJ

Our President's Message



Radio waves are all around us, originating at some point on the earth or outer space and travelling to unknown destinations. They move through the “ether” unimpeded unless the waves encounter obstacles in the form of trees, mountains, or manmade structures. Even when confronting these obstacles radio waves can penetrate or circumvent these barriers and continue to travel, although with a reduced intensity. In addition, the condition of the atmosphere has a great effect on the journey of the waves. The ideal path for a radio wave would be from a transmitter to a receiver both of which are located somewhere on earth or in space. Antennas or aerials as they are sometimes called can be as simple as a piece of wire or as involved as structures installed on towers. In many cases, the antenna increases the strength of the radio wave. No matter how sophisticated or complex your radios are; without an antenna installed correctly, the transmission and reception of radio waves is compromised. Dipoles, Long Wire, Yagi, and End Fed Half Wave are names given to specific types of antennas. Come to our March meeting and learn about antennas by listening to the presentation and asking questions.

Happy Birthday

Michael Carson KC2OQF

Raymond Kozakiewicz KC2TPK

John Roberts KQ4WR

Vincenza Mattson

Sarah Punderson

Vickie Freidman



Happy Anniversary

Steve & Christine Jackson



Getting Back To Normal



We're happy to be meeting in person again, and getting some really nice DX on the air. With the weather getting nicer, we're also thinking about making some improvements to our “antennas farms”.

At this month's meeting, we'll be showing off some practical antenna designs that are real possibilities, as well as how to avoid problems with existing ones.

OUR NEXT REGULAR MEETING:

Thursday March 3rd at 7:00 PM
Holiday City South Clubhouse A
Santiago Drive at Mule Road
Toms River, NJ

Ocean County ARES® News

March 2022

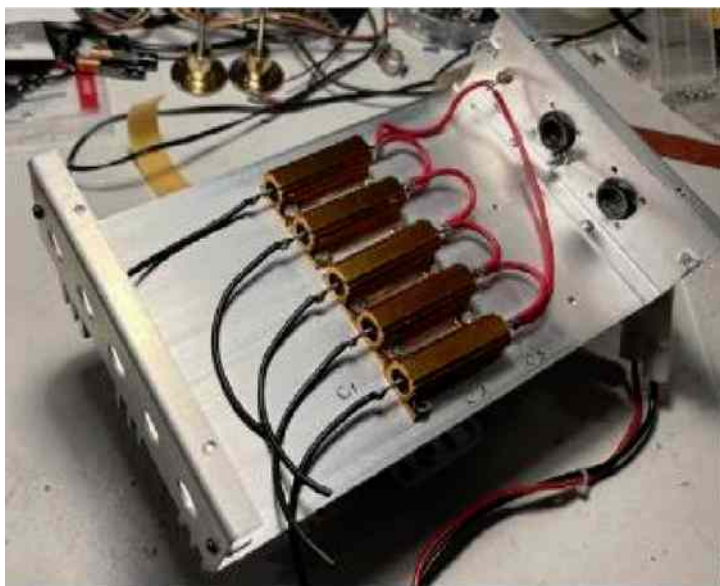
Ocean County ARES® News, March 2022 On February 16th, WX2NJ conducted an Ocean County ARES Zoom Meeting. There was no specific topic, just an open forum. There was an overwhelming desire to have another fox hunt in the near future and I will be working on that. John, N2LD, also announced that he is working on the KB2UNK estate sale and will be releasing a list of all items being sold via email. This month I would like to introduce you to a small project I was working on, which involves troubleshooting power supplies. I'm always looking for a dependable load to connect to a power supply under test and I wind up using a transceiver connected to an RF dummy load. This always turns out to be very cumbersome trying to key up a radio and take readings to troubleshoot power supply circuits. I decided to build a dummy load bank that could be easily connected to a power source under test. I decided to use an old amplifier heat sink and chassis for my project. With a power supply output of 12.6 to 13.8 Volts DC, a 6 ohm resistor would yield a current draw of a little more than two amps. The resistor is going to get hot real quick, so I decided to use a metal shell, 50 watt power resistor. These are readily available because they are used to load and fool turn indicators in vehicles using LED lamps. Since they were sold in lots of 5, I figured I would use all 5 for a total current draw of about 11 amps. Each would be switched into service by a small toggle switch. This

would give me ability to select 2, 4, 6, 8 or 10 amps load.

Each resistor was fastened to the bottom of the chassis/heat sink with two 6-32 tapped holes/screws. Heat sink compound was applied to the bottom of each resistor for good heat conduction. One side of each resistor is connected to the power supply output via a 30 amp PowerPole connector and 15 amp inline fuses. The other side of each resistor is connected to ground through a SPST switch. Each closed switch would then result in a little more than two amps load.



I chose the type of switch with a toggle cover to prevent inadvertently closing a switch and they were inexpensive. Only \$2 each through Amazon. A 120 mm fan was added to the heat sink to cool the chassis. A 33 ohm, 5 watt power resistor was added in series with the fan to keep the speed and noise down, while still keeping the project cool under full load. If you want to get fancy you can add a digital voltage and current



indicator. I did not because I normally use an in-line analyzer, which plugs right into the power pole.



73 de WX2NJ

Bob Murdock,

Ocean County Amateur Radio Emergency Service EC

Dear HCARC Members:

Help needed

The membership attending the club meeting on Thursday, February 3rd, expressed an interest in organizing a Field Day for June 25th of this year. In a weak moment I volunteered to lead this project. I thought this would be a great club outing, a chance to work, play and enjoy the day together.

My problem is that I have never done a Field Day or even participated in one, therefore, I do need help with ideas on how to set up and organize this event. Of course, veteran hams are surely (sorely) needed to guide the inexperienced to make this a most enjoyable day. You know, safety, type of transceiver, antenna, log, required notes and anything else that is needed for which I am unfamiliar.

Maybe a cookout can also be planned.

[continued in next column]

I located a site on the internet that gave a cursory overview of what is needed for a successful event, however, practical experience is the key to insuring the Field Day runs smoothly. I am in the hope that the membership will join in to make this a special and memorable happening.

Please bring ideas to the regular monthly meeting on March 3rd so the planning of the field day can start to insure the field day will be a successful event. I surely do need your help.

John Perry, KD2NDY

Holiday City Amateur Radio Club

Toms River, New Jersey

Web Site www.hcarc.us

President	Doug Poray	KC2TZC	732-928-2316
Vice Pres.	Steve Jackson	N2WLH	732-255-7916
Secretary	John Perry	KD2NDY	732-349-2705
Treasurer	Larry Puccio	K2QDY	732-349-2950
Executive Board	(open)		
Executive Board	John Roberts	KQ4WR	732-350-1162
W2HC Trustee	Larry Puccio	K2QDY	732-349-2950

CLUB COMMITTEES

<u>Webmaster:</u>	Steve	N2WLH	N2WLH@yahoo.com
<u>Program Coord:</u>	(open)		
<u>Field Day:</u>	Larry	K2QDY	732-349-2950
<u>VE Sessions:</u>	Larry	K2QDY	732-349-2950
<u>Membership:</u>	John	KQ4WR	732-350-1162

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 \$35.00 per family.

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

Location: Meeting Room #1 in 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 that's nearest the street intersection.

The SKYHOOK is published monthly as the HCARC's official newsletter.

Editor and Publisher:

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Field Day Is Coming



Larry Puccio K2QDY Worked:

DATE (UTC)	TIME	FREQ (MHz)	MODE	CALLSIGN	ENTITY	LOC	MILES	DIR
1/21/2022	22:21	14.020	CW	JM7OLW	Japan	PM95vq	6783	NNW
1/21/2022	22:54	7.014	CW	OK1FPS	Czech Republic	J070ec	4127	NE
1/21/2022	23:33	7.025	CW	II2WRTC	Italy	JN62ma	4343	ENE
1/30/2022	00:36	7.010	CW	F6REF	France	JN18dt	3669	NE
2/04/2022	18:05	28.403	SSB	PU2MIW	Brazil	GG66fx	4618	SSE
2/04/2022	18:19	28.360	SSB	WP4CL	Puerto Rico	FK68vm	1557	SSE
2/04/2022	18:25	28.430	SSB	PY1FJ	Brazil	GG87ea	4716	SSE
2/04/2022	18:55	28.009	CW	PY40T	Brazil	GG87ja	4789	SSE
2/07/2022	19:13	14.032	CW	E77CF	Bosnia-Herzegovina	JN94aa	4485	NE
2/11/2022	00:31	10.116	CW	PZ5RA	Suriname	GI24ma	3405	SSE
2/12/2022	22:52	7.008	CW	HA3NU	Hungary	JN97nm	4403	NE
2/12/2022	23:38	7.002	CW	HA8CT	Hungary	JN97nm	4403	NE
2/13/2022	00:02	7.018	CW	PA1AW	Netherlands	J022kj	3687	NE
2/13/2022	00:16	7.018	CW	OK1XV	Czech Republic	J070ec	4127	NE
2/13/2022	00:37	7.011	CW	PA2T	Netherlands	J022kj	3687	NE
2/13/2022	23:54	7.008	CW	ZB2FK	Gibraltar	IM76ga	3663	ENE
2/14/2022	00:51	7.014	CW	NP4AW	Puerto Rico	FK68vm	1557	SSE
2/14/2022	01:21	7.010	CW	8P9AN	Barbados	GK01gm	2164	SSE
2/14/2022	19:06	14.026	CW	VX2X	Canada	FN04jm	464	NNW
2/14/2022	19:11	28.001	CW	PP5BT	Brazil	GG53kc	4831	SSE
2/14/2022	19:18	28.010	CW	PY40T	Brazil	GG87ja	4789	SSE
2/15/2022	23:32	28.010	CW	LZ3ND	Bulgaria	KN12pq	4757	NE
2/16/2022	01:12	7.022	CW	4A90SON	Mexico	EK09kk	2007	SW
2/17/2022	00:14	14.025	CW	CE2ML	Chile	FF47gr	4926	S
2/17/2022	00:20	7.017	CW	ZF2WF	Cayman Is.	EK99jm	1472	SSW
2/17/2022	00:42	7.017	CW	EC1CT	Spain	IN80dj	3620	ENE
2/17/2022	00:47	10.111	CW	CT9ABV	Madeira Is.	IM58jp	3400	ENE
2/17/2022	00:51	10.105	CW	D44AO	Cape Verde	HK86aa	3430	ESE
2/17/2022	01:19	7.022	CW	CT9/DK7YY	Madeira Is.	IM58jp	3400	ENE
2/19/2022	01:50	7.026	CW	IR4K	Italy	JN62ma	4343	ENE
2/19/2022	01:55	7.011	CW	OM4MW	Slovak Republic	J080ac	4192	NE
2/19/2022	18:30	7.011	CW	9A1A	Croatia	JN75sd	4341	NE
2/19/2022	18:46	28.002	CW	P44W	Aruba	FK52am	1915	S
2/19/2022	18:52	28.017	CW	LW5HR	Argentina	FF78ur	4895	S
2/19/2022	19:02	28.002	CW	KP4M	Puerto Rico	FK68vm	1557	SSE
2/19/2022	22:29	14.029	CW	EA5RS	Spain	IN80dj	3620	ENE
2/19/2022	22:33	14.036	CW	CR3W	Madeira Is.	IM12np	3179	E
2/19/2022	22:47	14.032	CW	PY2NY	Brazil	GG58ur	4488	SSE

Russ Young WA2VQV Worked:

DATE	UTC	MODE	BAND	FREQ	CALLSIGN	ENTITY	IOTA	GRID	DIST	DIR
1/30/2022	1413Z	CW	12M	24.901	TO6S	GUADELOUPE	NA-114	FK95eu	1797	SSE
1/30/2022	2032Z	CW	15M	21.025	KP4JRS	PUERTO RICO	NA-099	FK68xi	1526	SSE
1/30/2022	2042Z	CW	20M	14.030	TO6S	GUADELOUPE	NA-114	FK95eu	1797	SSE
1/31/2022	0235Z	CW	30M	10.111	TO6S	GUADELOUPE	NA-114	FK95eu	1797	SSE
2/17/2022	0339Z	CW	30M	10.109	4A90SON	MEXICO		EK09kk	1952	SW
2/23/2022	1749Z	CW	17M	18.074	TO4A	MARTINIQUE	NA-107	FK94mp	1892	SSE
2/23/2022	1947Z	CW	12M	24.900	ZD7BG	ST. HELENA	AF-022	IH74da	5875	ESE

Russ Young WA2VQV Answers

Russ, As I consider you an expert, do you have any practical advice about how to get best use of a high Q loop antenna? I assume there may be a problem with splits. Do you re-tune the antenna to your xmit frequency, once you're ready to give a call? Do you normally retune it as you scan a band segment? Does loop tuning seem less critical on 12m (where the Q may be lower) than on 30m? Would it be practical to have the antenna autotune to the transceiver? When you tried 40m on the other loop, did you find tuning even more critical? Do you consider the MFJ high Q loop a better investment for indoors than wire dipoles? 73, John.



John, No I don't have any problem using splits. Most of the time its only a few kHz. For SSB, where the split is usually 5-10 kHz up, I tune to the XMIT freq and there's no problem. If I scan the band and the new freq is 10 or 20 kHz away, I do retune to the new freq. On 40m it sometimes took longer to get a dip when tuning. If I had space in the attic for wire dipoles, I would have used wire. In Manahawkin I had 10, 15 and 20 meter dipoles paralleled in the attic fed with 50 feet of RG8. Had a 1/2 wave 40m zig-zag shaped dipole nine feet high up against my two car garage ceiling. The attic dipoles even worked on the WARC bands. I always thought the paralleled dipole R+jX somehow resonated on the WARC bands. I worked Australia and New Zealand on 40m with the zig-zag dipole. 73, Russ.

Some DX Opportunities

Listed in alphanumeric order of Callsign, which may not have the entity's usual prefix.

Mode codes: 8 = FT8, 9 = JT9, A = AM, C = CW, D = Digital, E = EME, R = RTTY, S = SSB, T = SSTV.

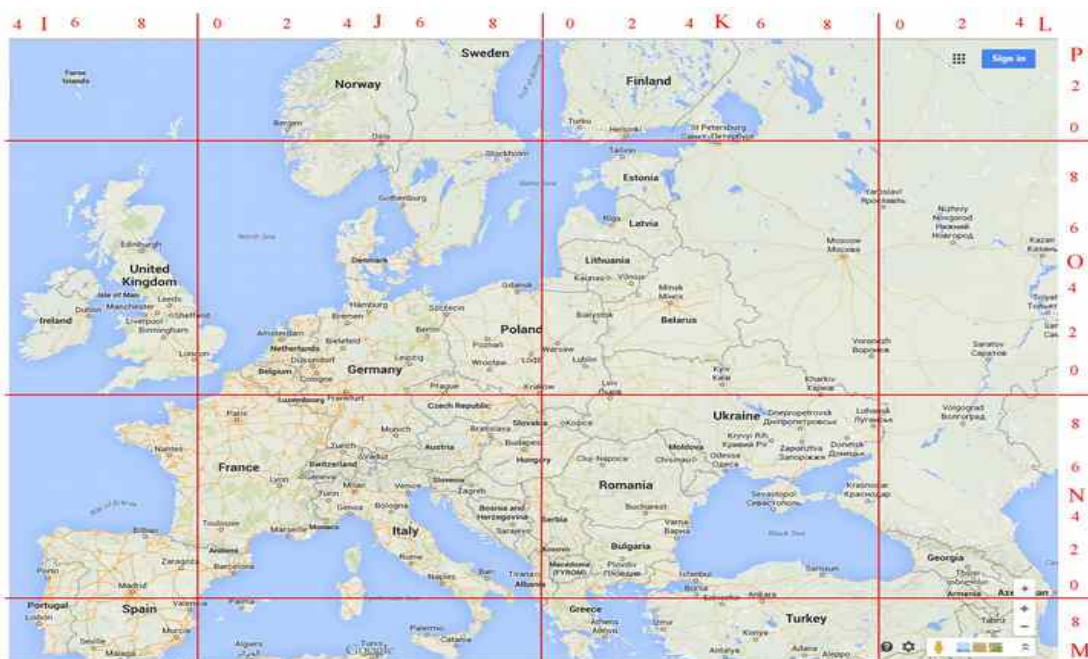
Bands: "Low" usually means 160, 80 & 40m. HF means 3 to 30 MHz (includes 80 to 10 meters).

Many thanks to NG3K, Wikipedia, Google Maps, the ARRL, the RSGB, DXWorld, DXNews & QRZ.com for the data.

FINISH	ENTITY	PFX	CALLSIGN	IOTA	BANDS	MODES	QSL via	LOC	Miles	Dir	INFO
220314	Uganda	5X	5X1XA		80-10m		G3SWH, LoTW	KJ60gi	7090	E	DXNews
220401	Senegal	6W	6W/ON4AVT		80-10m	S D	Club Log QRS	IK14mi	3865	E	OPDX
220318	Maldives	8Q	8Q7CQ	AS-013	80-6m	S	M00X0	MJ65ti	8705	NE	TDDX
220308	Maldives	8Q	8Q7WM	AS-013	160-40m	C S	OK2WM	MJ65ti	8705	NE	DXNews
220308	Maldives	8Q	8Q7WX	AS-013	160-40m	C S	OK2WX	MJ65ti	8705	NE	DXNews
220318	Gambia	C5	C56DF		80-10m		G3XTT	IK13uj	3941	E	TDDX
220415	Antarctica		EM1UA EM1U	AN-006	80-10m	8	UT7UA	FC74us	7293	S	ARLD006
220331	Austral Is	F0	F0/SP5EAQ	OC-050	80-10m	S	SP5EAQ	BG37oi	6646	WSW	DXNews
220331	Austral Is	F0	F0/SP5EAQ	OC-050	80-10m	S	SP5EAQ	K002mg	4307	NE	DXW.Net
220311	Galapagos	HD8	HD8M	SA-004	160-10m	8 S C	WB2REM	EI49ui	2984	SSW	TDDX
220307	St Lucia	J68	J68HZ	NA-108	160-10m		K9HZ	FK93lu	1974	SSE	TDDX
220308	St Vincent	J88	J88PI	NA-025	40-6m	S 8	GW4DVB Dir	FK92ho	2047	SSE	TDDX
220317	Curacao	PJ2	PJ2/DK5ON	SA-099	160-6m	S C 8 4	DK5ON	FK52md	1950	S	NG3K
220312	Saba & St Eus	PJ5	PJ5/K3TRM	NA-145	40-10m	S R 8 4	K3TRM LoTW	FK87cm	1672	SSE	DXW.Net
220326	Sint Maarten	PJ7	PJ7AA	NA-105	80-10m	C S 8 4	AA9A	FK88ka	1656	SSE	AA9A
220310	Antigua & Bar	V26	V26K	NA-100	80-10m	S (+?)	AA3B	FK97cc	1747	SSE	AA3B
220310	Belize	V31	V31BN	NA-073	80-10m	S C 8	W0BCN	EK57vm	1762	SSW	TDDX
220501	St Kitts & N	V4	V4/KG9N	NA-104	80-10m		LoTW KG9N	FK87pg	1714	SSE	DXNews
220321	Turks & Caico	VP5	VP5/K0KQ	NA-002	40-10m	8	LoTW K0KQ	FL41k1	1291	S	QRZ.com

ARRL International DX Contest, Phone Mar 5-6, 2022

CW WPX Contest, SSB Mar 26-27, 2022



March						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 7:30pm ARES digi net 145.170 MHz; 8:30pm ARES voice net 449.825MHz	3 7:00 PM HCARC live meeting (see page 1)	4	5 ARRL DX Phone Contest arri.org/arri.dx
6 contest continues	7	8	9 7:30pm ARES digi net 449.825 MHz; 8:30pm ARES voice net 145.170 MHz	10	11	12 OK & ID QSO Parties, and N American RTTY Sprint
13 contests continue; WI QSO party See QST page 72	14 Pi Day 3.14159265.. see QST Page 82	15	16 7:30pm ARES digi net 145.170 MHz; 8:30pm ARES voice net 449.825MHz	17	18	19 VA QSO Party (qsl.net/sterling/VA_QSO_Party)
20 contest continues	21	22	23 7:30pm ARES digi net 449.825 MHz; 8:30pm ARES voice net 145.170 MHz	24	25	26
27	28	29	30 7:30pm ARES digi net 145.170 MHz; 8:30pm ARES voice net 449.825MHz	31		

ARES® And SKYWARN® Training Nets

From Ocean County ARES:

1st, 3rd & 5th (when it occurs) Wednesdays* 7:30PM
145.170 MHz, No Echolink, 8:30PM Voice net
449.825MHz

2nd & 4th Wednesdays 7:30PM 449.825MHz, Echolink
WA2RES-R, 8:30PM Voice net 145.170MHz

2nd Wednesdays, 8:00 PM, Ocean County SKYWARN
Training Net, 145.170 MHz, No Echolink

See January 2022 SKYHOOK Page 2 for more detailed
information. All SKYHOOK back issues are available at
"http://www.hcarc.us"

*ARES Meetings (in person or ZOOM®) replace both
training nets on 3rd Wednesday of even-numbered
months, such as February, April, June, etc.

FCC License Exams

Our Volunteer Examiners give FCC Amateur Radio
License exams on the second Wednesday of most
months. Appointments are required. For information
or to take a test for a new license or upgrade, call Larry
Puccio (see page 3 column 2).

THANK YOU

Here's a special Thank You to Doug Poray, Bob
Murdock, John Perry, Larry Puccio, and Russ Young for
special contributions to this issue.