



The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

www.hcarc.us

September 2022

Toms River, NJ

Our President's Message



Preparations are underway for the Fox Hunt the club will be conducting in a few weeks. Homemade directional antennas (yagis), handheld radios (H/T), maps, and other equipment will be used for this event. This adventure should familiarize the participants with the skills of map reading and radio direction finding. The fox transmits a signal for 60 seconds and then remains quiet for 5 minutes. This procedure is repeated until the fox is located. The hunters must receive the signal, take a bearing in the direction of the signal, and then use their maps to travel towards the fox. Usually, Fox Hunts are competitive events to see who can be first to find the fox. For this experience we are only interested in learning the skills necessary for locating the fox and to have a fun time. Our meeting this month will cover the details for the final preparations for the Fox Hunt. We invite all members to participate in this event which will be held in September.

Happy Birthday To:

Steve Jackson N2WLH

Philip Luchese

Janice Loscalzo

Jeanne Poray



Happy Anniversary To:

Doug & Jeanne Poray



Fox Hunt Saturday September 10th

Or Maybe September 17th

As of the SKYHOOK deadline date, it has not been decided. So come to the September 1st meeting to find out.

OUR NEXT REGULAR MEETING:

Thursday, September 1st.
at 7:00 PM

Holiday City South Clubhouse A
Santiago Drive at Mule Road
Toms River, NJ

Ocean County ARES® News



On September 17th (Saturday) Ocean County ARES will be providing communications support for the Build to Walk event on the Lavallette boardwalk. The sponsor is Northern Ocean Habitat for Humanity. We normally have between 6 to 8 operators assigned to cover this event. Mike, K2MDW, will be Net Control at the Northern start of the walk. The walk is supposed to start at 9:00 AM and will be done by 11:00 AM. We need operators on station by 8:30 AM.

The rain date is Saturday, September 24th. Same times. Contact WX2NJ if you can support the walk.

On Saturday, October 1st, is the SNJ ARRL Simulated Emergency Test (SET). Ocean County will be participating as one of the SNJ counties. This is a major event for SNJ ARES and we need as many operators as possible to participate. The SET will take place in the morning and will be complete by Noon.

The basic initiating scenario is an approaching band of severe thunderstorms with embedded tornadoes and derechos is approaching the SNJ section from the mid-west at the same time as an astronomical high tide is forecasted along the Atlantic Coast. Rain falls of 3 to 5 inches per hour are possible with tornadoes and waterspouts.

ARES will be needed to supply communications to process tactical and formal messages during the simulated event. Damage assessment data will need to be processed to simulated served agencies, such as the NWS and county EOC. Ocean County will also need to effectively communicate with adjacent counties and ARESMAT Partners.

I anticipate needing operators for several shelters, damage assessment teams and a simulated EOC. Shelters would process American Red Cross traffic and evacuee Health and Welfare traffic. Damage assessment teams would conduct windshield inspections similar to those forms in Winlink. Liaison

stations need to be able to process messages between counties and forward them to the EOC and ARES Leadership.

All assignments are to be simulated from their home stations, however, I would like to be able to have one or two operators actually stationed at the EOC parking lot so the VARA FM digipeater (WA2RES-14) could be tested for effectiveness of linking the EOC into the Winlink system with a loss of Internet.

All participants are expected to keep accurate logs of communications and document such on an ICS-214 Activity Log. Any method can be used to transmit messages including Winlink via VARA FM, voice (ARRL Radiogram) over repeaters or simplex, FLDIGI (and FLMSG) over repeaters or simplex or APRS Messaging. Rapid notifications of hazardous conditions can be just voice to get the message across as quickly as possible.

SNJ Leadership will also be introducing "Injects" into the scenario as they see fit and not all counties will see the same injects. This is only a few hours of your time, once a year! Help support the effort.

Monmouth County ARES has a new EC. Marlo Montanaro, KA2IRQ, is back in the EC position and is revamping Monmouth ARES. Right now Monmouth ARES is only supporting the Red Cross and that is good for Ocean County. The Red Cross headquarters at Tinton Falls once provided support for Ocean County ARES, but changes in leadership eliminated that support for many years. I'm hoping that Ocean County can work with Marlo in a joint Red Cross effort for the future.

Want a blast from the past? Here is an ad from 1989 for a Tandy business class computer. Note, the monitor and mouse are not included in the price!

[Continued on page 3]

[Continued from page 2]



Tandy 5000 MC Professional System

NEW FOR 89 **8499⁰⁰**

Monitor and mouse not included

- 20 MHz Intel® 80386™ Microprocessor ■ VGA Graphics
- 2 MB RAM (16 MB Capacity) ■ Cache Memory

For most powerful computer ever! The Tandy 5000 MC Micro Computer is strictly business, from the look of its 256,000-color VGA graphics to the tactile feel of its newly-designed keyboard. Its Intel 80386 processor operates at a lightning-fast 20 MHz, and a memory cache controller provides RAM-fast access to your data. IBM® Micro Channel™ compatible architecture provides a 32-bit wide data path for virtually simultaneous data transfer between peripherals. Will operate MS-DOS® 3.3, MS® OS/2, SCO® XENIX® 386 and network operating software. The 5000 MC's technology, performance and price all add up to an incredible value. VGA graphics, serial and parallel ports and mouse support included.

25-6000 8499.00

73 de WX2NJ Bob Murdock

Ocean County Amateur Radio Emergency Service® EC

Ocean County ARES Net Schedule

The first, third* & fifth Wednesdays of each month:

7:30 PM Digital Training Net, 145.170 MHz WA2RES/R, No Echolink.

8:30 PM ARES Voice Training Net, 449.825 MHz WA2RES/R, Echolink WA2RES-R Toms River.

Second & fourth Wednesdays of each month: 7:30 PM Digital Training Net, 449.825 MHz WA2RES/R, Echolink WA2RES-R Toms River.

8:00 PM Second Wednesdays only, Ocean County Skywarn Training Net, 145.170 MHz, WA2RES/R, No Echolink.

8:30 PM ARES Voice Training Net, 145.170 MHz WA2RES/R, No Echolink.

Notes:

The 449.825 MHz repeater has a PL of 131.8 Hz, -5 MHz shift (444.825 MHz).

The 145.170 MHz repeater has a PL of 131.8 Hz, -600 kHz shift (144.570 MHz).

Digital nets use FLDIGI/FLMSG(MT63-2KL) over the repeater or a designated simplex frequency and/or VARA FM Winlink on 145.010

MHz.

All ARES Voice training nets are wide band FM. Anyone checking in on C4FM is asked to change to FM Mode.

***Because of ARES meetings, either in person or Zoom, there are no training nets on the third Wednesdays of even-numbered months.**

Our Volunteer Examiner Crew

- Larry [K2QDY](#) (Liaison) 732-349-2950,
- John [KQ4WR](#), Stan [KB2P](#),
- Steve [N2WLH](#), Michael [WA2CWX](#)

License exams are given by appointment at 7:00pm on the first Wednesday after each HCARC meeting 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.

Holiday City Amateur Radio Club

Toms River, New Jersey
Web Site www.hcArc.us

President	Doug Poray	KC2TZC	732-928-2316
Vice President	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	732-966 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 at 7:00 pm on the first Thursday of every month except December.

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 Building A (the building nearest the street intersection).

Newsletter: The SKYHOOK is the HCARC's official newsletter, circulation about 75. Original articles and photos are appreciated. Editor is John Roberts, [KQ4WR](#), 732-350-1162.

The Club's August Buffet Luncheon



John Roberts KQ4WR, Grace Puccio, Carl LeFevre WA2IQE, Larry Puccio K2QDY, Harriet LeFevre, Carl Lee W2PTZ, Rose Ann, Doug Poray KC2TZC, Jeanne Poray, Dennis Aldrich KD2YKZ. -Photo by Thom Roberts.

Metric Numeric Prefix Chart

Each row in the chart is 1000 times the one below. it.
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}	thousandths
micro	μ	10^{-6}	millionths
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}	

August 2022 VE Session



At our August VE session we had two candidates. One had passed the Technician test and had indicated he would be coming to the next club meeting. The other candidate took the Extra class test and passed. The VEs in attendance were Steve Jackson, Stan Stafiej, John Roberts and Larry Puccio.

Our next VE session is scheduled for September 14th in the Holiday City South Clubhouse Building A room 1 at 7:00 PM. Call for details and a reservation (required).

-Larry Puccio K2QDY

Some DX Opportunities

Callsigns shown in alphanumeric order

Italics if DX > 6000mi

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

Bands: "Low" usually means 160, 80 & 40m.

Many thanks to Bill Feidt NG3K, Wikipedia, Google Maps, the ARRL, the RSGB, DXW, TDDX & QRZ.com for the data.

START	FINISH	ENTITY	PFX	CALLSIGN	IOTA	BANDS	MODES	QSL via	LOC	MILES	DIR	INFO by
09/17/22	09/20/22	Monoco	3A	3A/F5LIT		80-10m		LoTW only	JN33rr	4038	ENE	DXW.Net
09/16/22	09/28/22	San Andres I	5K0	5K0T	NA-033	80-6m	C S	ClubLog OQRS	EK92dn	1948	SSW	TDDX
08/01/22	09/08/22	Madagscaar	5R	5R8LH	AF-013	80-10m	S D	IV3FSG	LM31mm	6236	NE	ARLD030
NOW	03/31/23	Japan: Honshu I	JA	8J1H90T	AS-007			see QRZ.com	PM95qi	6814	NNW	ARLD022
08/28/22	09/25/22	Tonga	A35	A35JP	OC-049	80-6m	C S 8	LoTW	AG28jv	7711	W	JA0RQV
08/27/22	09/30/22	Tonga	A3	A35JP	OC-049	40-6m	C S 8 4	JA0RQV	AG28jv	7711	W	ARLD034
07/11/22	11/30/22	Taiwan	BV	BX0QSL	AS-020	80-10m	D c s	BM2JCC	PL04nf	7897	NNW	ARLD027
NOW	09/05/22	Azores	CT8	CT8/W6PQL	EU-040	80-10m		W6PQL	HM58rn	2421	ENE	ARLD028
tba Sep	tba Sep	Cape Verde	D4	D44TW0		160-6m	D c s	M0OXO OQRS	HK85fa	3495	ESE	ARLD027
NOW	09/15/22	Luzan	DU3	DU3/W6QT	OC-042			W6QT	OK85rn	8532	NNW	ARLD031
08/01/22	12/31/22	Spratly Is	DX0	DX0NE	AS-051	160-6m	C S 8	I28CCW	OK70os	8885	NNW	ARLD028
08/20/22	04/01/24	Mayotte	FH	FH4VVK	AF-027			F4VVK	LH27pe	8346	E	ARLD033
NOW	09/21/22	<u>Solomon Is</u>	H4	H44MS	OC-047	80-6m	S 8	DL2GAC	RI00ao	8511	WNW	TDDX
NOW	09/02/22	Thailand	HS	HS0NZR		160-10m		VK2FY	OK241l	8680	N	ARLD033
09/01/22	09/13/22	Sardinia	IS0	IM0M	EU-041	80-2m		IK5WWA	JN41qf	4206	ENE	ARLD034
08/01/22	09/31/22	Djibouti	J2	J20EE		40-10m	C S 8	F4DXW	LK11nn	7086	ENE	ARLD031
NOW	06/01/23	Djibouti	J2	J28HJ		80-10m	S 8	LoTW	LK11nn	7082	ENE	ARLD029
08/15/22	09/13/22	Guinea Bassau	J5	J5GQA		80-10m	8	LoTW	IK22fa	4041	ESE	TDDX
09/03/22	09/05/22	Ogasawara	JD1	JD1BOW	AS-031	160-2m	C S D	JA0JHQ	QL17cb	7251	NNW	DXW.net
09/15/22	12/15/22	Minami Torishima	JD1	JG8NQQ/JD1	OC-073	80-10m	C	JA8CJY dir	QL64xg	7026	NW	DXW.Net
09/19/22	09/26/22	Svalbard	JW0	JW0A	EU-026	160-6m	C S R 8	see QRZ.com	JQ78tf	3527	NNE	DXNews
NOW	10/14/22	Lituania	LY	LY770CT				LY1CT	K015kg	4267	NE	ARLD033
NOW	09/30/22	Lituania	LY	LY786A				LY58	K015kg	4267	NE	ARLD031
09/01/22	10/31/22	Belgium	ON	OR1050HERZ				bureau	J010wv	3683	NE	ARLD034
09/01/22	09/05/22	Faroe Is	OY	OY/MM0NDX	EU-018	80-10m		EB7DX	IP62pc	3125	NE	DXW.net
NOW	09/22/22	Netherlands	PA	PA22VUELTA				PI4UTR	J022ga	3683	NE	ARLD034
09/10/22	09/25/22	Curacao	PJ2	PJ2/PH2M	SA-099	60-6m	8	LoTW	FK52jf	1941	S	TDDX
09/10/22	09/23/22	Docecanese	SV5	SV5/HB90AU	EU-001	80-6m	S R 8	HB90AU	KM35o1	5226	NE	TDDX
09/04/22	09/11/22	Docecanese	SV5	SV5/PGrM	EU-001	40-10m	C	PG5M	J040ic	3901	NE	TDDX
NOW	10/31/22	Turkey	TA	TA3J/0	AS-099	80-10m	S C R 8	LoTW	KM38hw	5051	NE	ARLD028
09/06/22	09/20/22	Iceland	TF	TF/K4EU	EU-021	80-10m	C	LoTW	IP16an	2812	NNE	DXW.Net
09/06/22	09/20/22	Iceland	TF	TF/K4NMR	EU-021	80-10m	C	LoTW	IP16an	2812	NNE	DXW.Net
09/06/22	09/20/22	Iceland	TF	TF/K5KG	EU-021	80-10m	C	LoTW	IP16an	2812	NNE	DXW.Net
NOW	12/01/22	Costa Rica	TI	TI1GOAL		80-10m	S 8	TI1GOAL	EK80aa	2154	SSW	ARLD031
NOW	09/06/22	Corsica	TK	TK/DJ0TP	EU-014	20-15m	C P 8 4	DJ0TP	JN42jn	4135	ENE	ARLD031
11/02/22	11/09/22	Austral Is	TX5	TX5XG	OC-152	160-10m	C S R D	JA1XGI	BG56go	6521	WSW	ARLD027
NOW	10/01/22	MACQUARIE I #12	VK0	VK0MQ	AN-005	80-10m	8	Via M0OXO	QD951m	9830	SW	ARLD030
NOW	10/31/22	Australia	VK	VK75FAA	OC-001			VK2YVA	QF55jw	9951	W	ARLD029
NOW	11/10/22	Falkland Is.	VP8	VP8TAA	SA-002			2E0KZN/M0OXO	GD08se	6415	S	ARLD031
09/16/22	10/16/22	Chagos	VQ9	VQ9SC	AF-006	160-10m	8 S	WB2REM	MI62eq	9386	NE	WB2REM
09/04/22	09/18/22	Burkina Faso	XT	XT2AW		80-10m	8 S C	M0OXO	IK92fh	4765	E	TDDX
09/15/22	09/17/22	Kosovo	Z68	Z68EE		80-10m	C	OZ2I	KN02np	4668	NE	DXW.net
09/09/22	09/12/22	Kosovo	Z68	Z68XX		80-10m	S	DL2GRM	KN02rn	4685	NE	TDDX
09/09/22	09/21/22	CHATHAM I #82	ZL7	ZL7/K5WE	OC-038	160-10m	C 8 4 S R	ClubLog OQRS	AE16ug	8574	WSW	K5WE

DX Larry Puccio K2QDY Worked



DATE	TIME	FREQ	MODE	CALL	ENTITY	LOC	MILES	DIR
7/23	18:34	14.025	CW	5Z5D	Kenya	KI88sm	7433	ENE
7/24	21:18	14.019	CW	SX44JM	Greece	KM18te	4954	NE
7/24	21:30	14.005	CW	G4RRM	England EU-005	I083sc	3380	NE
7/24	21:33	14.005	CW	OA1F	Peru	FI03bf	3250	S
7/24	21:40	14.021	CW	HA3NU	Hungary	JN96ii	4428	NE
7/24	21:52	14.015	CW	OK1FIA	Czech Republic	JN79md	4184	NE
7/24	22:59	14.028	CW	CT1BQH	Portugal	IM59sl	3414	ENE
7/24	23:57	14.028	CW	YU1JW	Serbia	JN93vs	4569	NE
7/25	00:00	14.016	CW	LU8MHL	Argentina	FF56ns	5071	S
7/25	22:43	14.021	CW	XE3ARV	Mexico	EK59xn	1630	SW
7/27	22:24	14.014	CW	OJ0DX	Market Reef EU-053	JP90nh	3983	NE
7/29	19:35	14.015	CW	GM4ATA	Scotland EU-005	I075ro	3259	NE
7/29	19:44	14.010	CW	OE3WMA	Austria	JN78ve	4246	NE
7/29	19:51	14.015	CW	GB22GE	England EU-005	I091vl	3503	NE
7/29	19:59	14.023	CW	I1ULJ/8	Italy	JN61gv	4325	ENE
7/29	20:49	14.006	CW	LZ0KP	Bulgaria	KN32uk	4948	NE
7/29	23:55	10.111	CW	TF3JB	Iceland EU-021	HP94bc	2665	NNE
7/30	00:42	14.015	CW	OE3WMA	Austria	JN78ve	4246	NE
8/02	22:35	10.112	CW	CT3MD	Madeira Is. -EU-046	IM13tb	3195	E
8/02	22:53	10.114	CW	YU70QA	Serbia	KN04ev	4550	NE
8/02	23:02	14.007	CW	LZ3ZX	Bulgaria	KN22dq	4798	NE
8/02	23:38	14.032	CW	CU7/NU6F	Azores -EU-175	HM78ma	2618	ENE
8/04	21:09	14.032	CW	HA8WZ	Hungary	KN06mq	4510	NE
8/04	21:17	14.012	CW	E72AA	Bosnia-Herzegovina	JN93du	4503	NE
8/07	21:29	14.012	CW	9A5RTW	Croatia	JN75xt	4335	NE
8/07	21:53	14.012	CW	CX5VA	Uruguay	GF16vw	5178	SSE
8/07	21:58	14.012	CW	LU8QT	Argentina	FF76ew	5078	S
8/08	23:28	14.015	CW	EA4AOC	Spain	IN80dc	3628	ENE
8/08	23:31	14.009	CW	LU8MHL	Argentina	FF56ns	5071	S
8/10	21:39	14.010	CW	EA3PP	Spain	JN11bi	3868	ENE
8/11	00:46	14.023	CW	HC5AI	Ecuador	FI07mb	2980	S

Q Codes

These are just a few of the Q-codes as they were used by commercial radiotelegraph services in the 1930's-1950's. This list was found in the "International Morse Code and Radio Officers Guide Manual" published by RCA Institutes, Inc. copyright 1950, but the list is much, much older.

QRK What is the legibility of my signals (1 to 5)? / The legibility of your signals is ____ (1 to 5).

QRM Are you being interfered with? / I am being interfered with.

QRN Are you troubled by static? / I am troubled by static.

QRP Must I decrease the power? / Decrease the power.

QRS Must I transmit more slowly? / Transmit more slowly (____ words per minute).

QRT Must I stop transmission? Stop transmission.

QRU Have you anything for me? / I have nothing for you.

QRV Are you ready? I am ready.

QRX Must I wait? When will you call me again? / Wait (or wait until I have finished communicating with ____). I shall call you again at ____ o'clock (or immediately).

QRZ By whom am I being called? / You are being called by ____.

QSA What is the strength of my signals (1 to 5)? / The strength of your signals is ____ (1 to 5).

QSB Does the strength of my signals vary? / The strength of your signals varies.

QSK Must I continue transmission of all my traffic; I can hear you between my signals? / Continue the transmission of all your traffic; I shall interrupt you if necessary.

QSL Can you acknowledge receipt? / I am acknowledging receipt.

QSO Can you communicate with ____ directly (or through ____)? / I can communicate with ____ directly (or through ____).

QSY Must I shift to transmission on ____ kcs (or ____ meters), without changing the type of wave? or Must I shift to transmission on another wave? / Shift to transmission on ____ kcs (or ____ meters), without changing the type of wave. Shift to transmission on another type of wave.

QTH What is your position in latitude and in longitude (or according to any other indication)? / My position is ____ latitude, ____ longitude (or according to any other indication).

Note that today's amateur radio CW uses the RST system instead of QRK and QSA. R is Readability(1 to 5), S is Strength (1 to 9), and T is Tone purity (1 to 5). So RST 599 is perfect.

Fox Hunt To Be Scheduled For A Saturday In September

It could be sometime on the 10th or 17th. No more information is available at this time, but some some tme oin the tenth looks like a good bet. Come to the regular meeting on September first to find out.

September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 7pm HCARC MEETING See page 3	2	3 Colorado QSO Party
4 Tennessee QSO Party	5 Labor Day	6 VE SESSION tomorrow by appointment See page 3	7 7:30pm ARES digi net 145.170MHz; 8:30pm ARES voice net 449.825MHz	8	9	10 Fox Hunt & AL QSO Party
11 911 Day	12	13 SKYWARN Net tomorrow 8:00pm 145.170 MHz	14 7:30pm ARES digi net 449.825MHz; 8:30pm ARES voice net 145.170MHz	15	16	17 Iowa, NH, NJ, Texas, & WA QSO Parties
18	19	20	21 7:30pm ARES digi net 145.170MHz; 8:30pm ARES voice net 449.825MHz	22	23	24 Maine QSO Party
25	26 Rosh Hashannah 5783	27	28 7:30pm ARES digi net 449.825MHz; 8:30pm ARES voice net 145.170MHz	29	30	

QSO Parties

A "Thank You" To Our Writers And Proofreaders

Working towards WAS (Worked All States) is fun if you work the QSO parties. But there are none in November, December, January or July. Check out WA7BNM's website:

www.contestcalendar.com/stateparties

Click on his [+] icons for important details.

Colorado	09/03/22	09/04/22	Pikes Peak Radio Amateur Association
Tennessee	09/04/22	09/05/22	Tennessee Contest Group
Alabama	09/10/22	09/11/22	Alabama QSO Party
Iowa	09/17/22	09/18/22	Story County ARC
New Hampshire	09/17/22	09/18/22	Port City Amateur Radio Club
New Jersey	09/17/22	09/18/22	Burlington County Radio Club
Texas	09/17/22	09/18/22	Texas DX Society
Washington	09/17/22	09/18/22	Western Washington DX Club
Maine	09/24/22	09/25/22	Wireless Society of Southern Maine

The SKYHOOK Writers for this edition are:

Doug Poray, Bob Murdock, John Roberts and Larry Puccio. Thanks also to Thom Roberts for the photo on page 5.