

The SKYHOOK

HOLIDAY CITY AMATEUR RADIO CLUB



www.hcarc.us

October 2025

Toms River, NJ

Electronic and Equipment Testing



electronic equipment, the devices listed above will provide great assistance.

Doug Poray KC2TZC

We Say Happy Birthday To:



Larry Puccio K2QDY

Bob Wilson KA2WPL

Kathleen Kozakiewicz

Candice Larkins

Harriet LeFevre

Many amateurs find pleasure in repairing and building their equipment. Even though the equipment has become sophisticated and miniaturized, there are certain procedures which can be performed. Of course, a visual inspection is the most common course of action which should be taken. Obvious conditions such as bulging capacitors, poor solder joints, and dirty connector contacts could be the cause of the malfunction.

Modern test equipment which used to be costly can now be obtained at a price affordable to radio amateurs. A VOM (volt-ohm meter) of reasonable quality can be purchased for under \$100. There are units available between \$25 and \$50 which are adequate for basic troubleshooting. The VOM will provide the capability of measuring voltage and resistance with some units including the capability of measuring capacitance, inductance, and frequency. Another useful piece of test equipment is a component tester. At around \$25 to \$50 this tester will provide the quality of transistors and diodes. Some sophisticated test equipment such as oscilloscopes and VNAs (Vector Network Analyzers) are available for prices under \$100.

If your interest may be in the repairing or building of

OUR NEXT REGULAR MEETING:

Thursday October 2nd

at 7:00 PM

**Holiday City South Clubhouse A
Santiago Drive at Mule Road**

Happy Anniversary To:



Ray & Kathleen Kozakiewicz

Larry & Janice Loscalzo

Ocean County ARES Training Nets And Meetings

Training Nets are suspended during emergencies, disaster relief efforts, and some holidays.

TENTATIVE REVISED SCHEDULE FOR JUNE-SEPTEMBER

Nets

Wednesdays every month except on meeting days (see "Meetings", below):

Skywarn Net (only on each month's 2nd Wednesday)
7:00 pm instead of 8:00 pm.

Voice Net 7:30 pm instead of 8:30 pm 449.825MHz.

Meetings:

7:00 am at Ocean County EOC on 3rd Wednesdays of even-numbered months (Feb, Apr, Jun, Aug, Oct, & Dec).

Our Volunteer Examiner Crew

Larry [K2QDY](#) (Liaison) 732-349-2950,
John [KQ4WR](#), Steve [N2WLH](#), Michael [WA2CWX](#),
Larry, Ed [WB2QWC](#), Wolf, [KD2ZIW](#)

License exams are given by appointment at 6:45pm 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 [WA2VLR](#).

Math Supplement

I found this information to assist with the math associated with trying to figure out wavelengths, db, line loss, etc. Hope this helps those who do not understand the math or in what order you need to perform the operations to get the correct answer. Wolf, [KD2ZIW](#)

The following Web links are a compilation of on-line resources organized by topic.

Many of the tutorials are part of the "Interactive Mathematics" Web site (www.intmath.com) - a free, on-line system of tutorials. The system begins with basic number concepts and progresses all the way through introductory calculus. The lessons referenced here are those of most use to a student of radio electronics.

Basic Numbers & Formulas

Order of Operations - www.intmath.com/Numbers/3_Order-of-operations.php

Powers, Roots, and Radicals -

www.intmath.com/Numbers/4_Powers-roots-radicals.php

Scientific Notation - www.intmath.com/Numbers/6_Scientific-notation.php

Ratios and Proportions (including π , pi) -

www.intmath.com/Numbers/7_Ratio-proportion.php

Geometric Formulas - www.equationsheet.com/sheets/Equations-4.html

Tables of Conversion Factors -

en.wikipedia.org/wiki/Conversion_of_units

Metric System

Metric System Overview - en.wikipedia.org/wiki/Metric_system

Metric System Tutorial - www.arll.org/files/file/Radio%20Lab%20Handbook/Lesson%203/RLH%20Unit%203.pdf

Conversion of Metric & English Units

- www.m-w.com/mw/table/metricsy.htm

- en.wikipedia.org/wiki/Metric_yardstick

Fractions

Equivalent Fractions - www.intmath.com/Factoring-fractions/5_Equivalent-fractions.php

Multiplication and Division - www.intmath.com/Factoring-fractions/6_Multiplication-division-fractions.php

Adding and Subtracting - www.intmath.com/Factoring-fractions/7_Addition-subtraction-fractions.php

Equations Involving Fractions - www.intmath.com/Factoring-fractions/8_Equations-involving-fractions.php

Algebra & Trigonometry

Basic Algebra - www.intmath.com/Basic-algebra/Basic-algebra-intro.php

Exponents & Radicals - www.intmath.com/Exponents-radicals/Exponent-radical.php

Basic Trig Functions - www.intmath.com/Trigonometric-functions/Trig-functions-intro.php

Graphs of Trig Functions - www.intmath.com/Trigonometric-graphs/Trigo-graph-intro.php

Graphs

Basic Graphs - www.intmath.com/Functions-and-graphs/Functions-graphs-intro.php

Polar Coordinates - www.intmath.com/Plane-analytic-geometry/7_Polar-coordinates.php

Advanced Math

Exponential & Logarithmic Functions -

www.intmath.com/Exponential-logarithmic-functions/Exponential-log-functions-intro.php

Complex Numbers - www.intmath.com/Complex-numbers/imaginary-numbers-intro.php

Vectors – www.intmath.com/vectors/vectors-intro.php

Decibels - www.arrl.org/files/file/Product%20Notes/Guide%20to%20Antenna%20Tuners/APPENDIX%20A.pdf
and www.ac6v.com/db.htm

"Classified Section"

The members can sell/trade equipment no longer needed or sell/trade duplicate equipment. People placing items in the Classified Section should be honest regarding the condition of the equipment. If the condition is unknown, this should be specified. Also, the transaction of any sale is between the buyer and the seller and does not involve the club in any way.

1. First Item will go here starting November's Issue

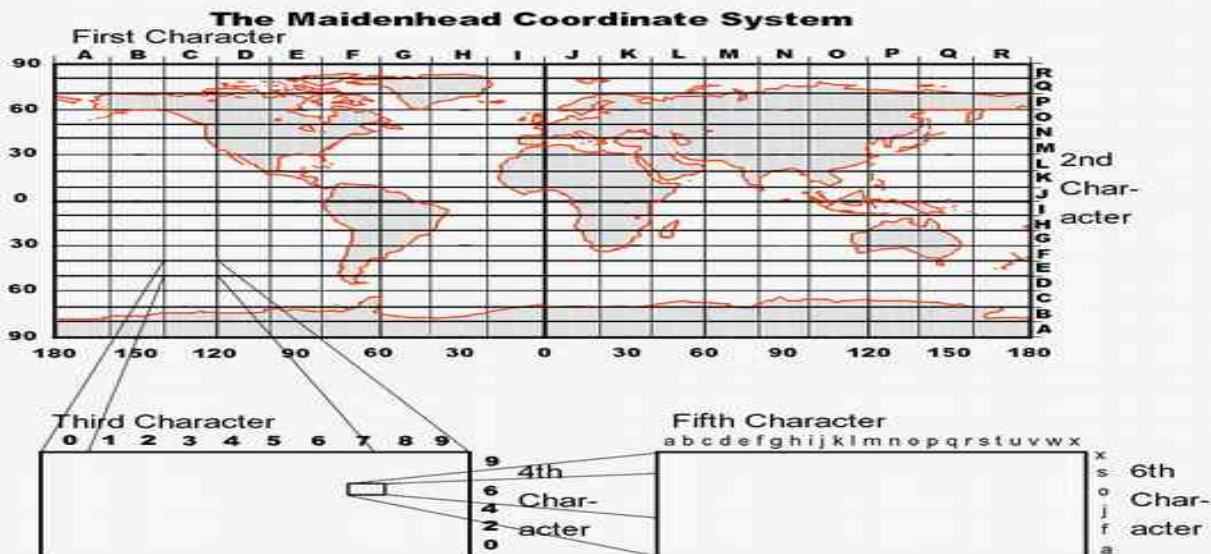
Some DX Opportunities

Opportunities shown in alphanumeric order of callsigns.

Mode codes: 3 = PSK31, 4 = JP4, 8 = JT8, C = CW, D = "digital", F = FM, O = Olivia, R = RTTY, S = SSB, T = Image (SSTV)

Many thanks to Bill Feidt NG3K for ADX0. Also to Wikipedia, the ARRL, the RSGB, DX World, The Daily DX & QRZ.com.

START	FINISH	ENTITY	PFX	CALLSIGN	IOTA	BANDS	MODES	QSL via	LOC	MILES	DIR	INFO by
2025 Sep22	2025 Oct04	Mauritius	3B8	3B8/5B4AQN	AF-049	40-6m	C s	5B4AQN	LG89sq	9304	E	TDDX
	2025 Dec31	ITU HQ	4U	4U0ITU				4U0ITU	JN36bf	3899	NE	ARLD020
2025 Oct16	2025 Oct20	Tanzania	5H	5H3MB	AF-032	80-10m	S C R 8	LoTW	KI93sa	7787	E	TDDX
2025 Oct29	2025 Nov12	Madagascar	5R	5R8TT	AF-057	160-6m	C S R	LoTW	LH46dq	8705	E	425DXN
2025 Oct29	2025 Nov12	Madagascar	5R	5R8XX	AF-057	160-6m	8	LoTW	LH46dq	8705	E	425DXN
2025 Sep29	2025 Oct10	Uganda	5X	5X2I		80-6m	C S 8	HA5AO	KJ60hf	7091	E	TDDX
2025 Apr16	2025 Oct13	Japan	JA	8K3EXP0	AS-007	"all"		per opr	PM74qp	6943	NNW	ARLD016
2025 Oct31	2025 Nov20	Burundi	9U	9U1RU		160-6m	C S 8	LoTW	KI47ma	7057	E	DXW.Net
2025 Sep24	2025 Sep30	Botswana	A2	A25LS		20-10m	8 S	LoTW	KG28ma	7660	ESE	TDDX
2025 Oct01	2025 Oct08	Bhutan	A5	A52G		40-6m	C 8	LoTW	NL47vl	7660	NNE	DXW.Net
2025 Oct18	2025 Nov12	Gambia	C5	C5R		80-6m	C S 8	LoTW	IK13ma	3923	ESE	DXW.Net
2025 Oct17	2025 Oct28	Angola	D2	D2A		160-6m	C S R 8	EA7FTR	JI61oe	6478	E	DXW.Net
2025 Oct09	2025 Oct20	North Cook Is	E5	E51MWA		160-10m		LoTW	AH99mm	6514	W	OPDX
2025 Sep21	2025 Sep29	Kyrgyzstan	EX	EX/DK3RN		20,15m	C s	LoTW	MN72gu	6458	NNE	TDDX
2025 Sep20	2025 Sep28	Reunion	FR	FR/F1TEQ		20,15m	S 8	F1TEQ	LG79sa	9227	E	OPDX
2025 Oct20	2025 Nov07	Wallis & Futuna	FW	FW5K	OC-054	160-6m	C S R 8 4	LoTW	AH26aa	7454	W	OPDX
2025 Oct08	2025 Oct15	Grenada	J3	J38LD		80-6m	S	M00X0	FK92ca	2076	SSE	DXW.Net
2025 Oct20	2025 Oct29	Dominica	J7	J79FJ		80-10m	C S 8	KU9C	FK95ij	1869	SSE	FM5FJ
2025 Sep27	2025 Oct02	Ogasawara	JD1	JQ3JUK/JD1	AS-031	160-6m	8	LoTW	QL17cb	7242	NNW	TDDX
2025 Oct08	2025 Oct13	Svalbard	JW	JW6VM		80-6m	C S D	LA6VM	JQ78wo	3526	NNE	OPDX
2025 Oct08	2025 Oct13	Svalbard	JW	JW7XK		80-6m	C S D	LA7XK	JQ78wo	3526	NNE	OPDX
2025 Oct08	2025 Oct13	Svalbard	JW	JW9DL		80-6m	C S D	LA9DL	JQ78wo	3526	NNE	OPDX
2025 Sep20	2025 Sep26	Market Reef	OJ0	OJ0W		160-6m	C 8 S	LoTW	JP90mh	3980	NE	OH0BG
2025 Apr16	2025 Dec31	Czech Republic	OK	OL100IARU		"all"	C S D	LoTW	J070ec	4127	NE	ARLD016
2025 Oct17	2025 Oct29	Saba & St Eustat	PJ	PJ6Y		160-6m	C S 8	LoTW	FK87jp	1676	SSE	DXW.Net
2025 Oct08	2025 Oct15	Fernando de Noro	PY	PY0FB		80-6m	S 8 4	LoTW	HI36sd	4024	SE	DXW.Net
2025 Sep28	2025 Oct12	Seychelles	S7	S79/DL2SBY	AF-119	80-6m		LoTW	LI86aa	8466	ENE	DXW.Net
2025 Sep19	2025 Oct03	East Kiribati	T3	T32K	OC-124	80-10m	S	VK4MAP	BI50aa	5925	WSW	OPDX
2025 Jan10	2025 Oct16	Palau	T8	T88SM	OC-009	160-6m	C S D	JA6EGL	PJ77fi	8684	NW	OPDX
2025 Jan10	2025 Oct16	Palau	T8	T88XK	OC-009	160-6m	C S D	JE6KFN	PJ77gl	8674	NW	OPDX
2025 Oct05	2025 Oct25	Guatemala	TG	TG9BBV		40-6m	C S 8	LoTW	EK44so	2008	SW	TDDX
2025 Sep22	2025 Oct06	Micronesia	V6	V6D	OC-011	160-6m	C S 8 R	LoTW	QJ57wl	8031	NW	DXW.Net
2025 Apr01	2027 Apr01	Marshall Is	V7	V73HW	OC-028	80-10m	S 8	KX4QD	RJ38ur	7250	WNW	ARLD014
2025 Sep19	2025 Oct03	CHRISTMAS I	VK2	VK9/SP9FIH	OC-002	30-10m	S 4 8	LoTW	OH29uo	10387	N	DXW.Net
2025 Oct03	2025 Oct07	CHRISTMAS I	VK9X	VK9Q0	OC-002	80-6m	C S 4 8	LoTW	OH29tm	10393	N	BH6BEZ
2025 Oct03	2025 Oct12	Mariana Is	WH	WH0RU	OC-086	80-10m		LoTW	QK25vf	7836	NW	OPDX
2025 Sep21	2025 Oct01	Ogasawara	JD1	WH1WCL/JD1		80-10m	C 8	LoTW	QL07nm	7256	NNW	TDDX
2025 Oct04	2025 Oct27	Burkina Faso	XT	XT2AW		160-6m		LoTW	IK72fi	4546	NW	OPDX



October

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 HCARC MEETING 7:00 pm see page 3	3	4 CA QSO – 1600 UTC Oct 4 – 2200 UTC Oct 5
5 CA QSO – 1600 UTC Oct 4 – 2200 UTC Oct 5	6	7	8	9	10	11 AZ QSO – 1500Z Oct 11 – 0500Z Oct 12
12 AZ QSO – 1500Z Oct 11 – 0500Z Oct 12	13	14	15 VE Session 6:30pm	16	17	18 HCARC Fox Hunt
19	20	21	22 ARES meeting see page 2	23	24	25
26	27	28	29 HCARC board Lunch	30	31	
					Updated on	9/29/2025

Thank You All

Many thanks to Doug Poray John Roberts Larry Puccio,
QRZ.com, and the ARRL.

October QSO Parties

California QSO Party Oct 4 1600Z-Oct 5 2200Z

Arizona QSO Party Oct 11 1500Z-Oct 12 0500Z

Pennsylvania QSO Party Oct 11 1600Z-Oct 12 0400Z

South Dakota QSO Party Oct 11 1800Z-Oct 12 1800Z

Nevada QSO Party Oct 11 0300Z-Oct 12 2100Z

Pennsylvania Party Oct 12 1300Z-Oct 12 2200Z

New York QSO Party Oct 18 1400Z-Oct 19 0200Z

Illinois QSO Party Oct 19 1700Z-Oct 20 0100Z