

The SKYHOOK



HOLIDAY CITY AMATEUR RADIO CLUB

www.hcarc.us

JULY 2014

Toms River, NJ

Program for Our July Meeting

Our Treasurer, Larry Puccio K2QDY will show off his new Elecraft do-it-yourself transceiver. We'll have a brief discussion about rechargeable batteries, and maybe a hands-on lesson on soldering. Two special awards are scheduled, and we'll have the experienced "experts" ready to answer whatever questions you may have.

Happy Birthday to:

John Hann K2JWH
Lucille Hann
Paul Hansen N2QXB
Carl Lee W2PTZ
Norm Smith W2PXE
Stan Stefiej KB2PD
Jean Young



Happy Anniversary to:

John & Lucille Hann
Larry & Grace Puccio



July is Islands Month

The month of July will feature The Radio Society of Great Britain's Islands on the Air station activations culminating with the RSGB IOTA Contest on July's last weekend.

Work 100 different island numbers and you get an award. For 200 or 300, you get a more prestigious one. Amsterdam Island is AF-002. Amsterdam Island won't be on the air, but Jersey (the English island near France), will be. New Jersey's islands, including Long Beach Island right here in Ocean County, are all grouped as IOTA number NA-111.

WARNING: Counterfeit Batteries

If you bought rechargeable batteries on the Internet, there's a strong possibility they're fakes.

If they're counterfeit lithium ion batteries, they may even catch on fire.

The problem is that some types of lithium ion batteries need to have internal circuitry to prevent overheating.

Without that protection, they are dangerous.

Types of lithium ion batteries without internal protection are designed to be used only in equipment that protects them from being overcharged or overloaded.

They must not be treated like nickel-cadmium or nickel-metal-hydride cells.

There are also many shoddy counterfeit nickel-metal-hydride batteries for sale on the Internet, bearing familiar names like Canon, Energizer, and Sanyo.

To sum up, buy your batteries only from stores you can trust.

If you notice that the print on the label isn't clear and sharp, or there's a typo, or they don't hold a charge, return them and try to get your money back.

For more information on fake Canon batteries and other items, Google "Counterfeit Canon Batteries".

OUR NEXT MEETING
Thursday July 3 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



During the last meeting of Ocean County ARES, Keith – KC2OON, was kind enough to put together a Digital Radio Communications presentation complete with color handouts! Thanks to Keith and Barbara for putting the effort into this fine presentation.

Keith covered the differences between Icom D-Star and Yaesu Fusion or C4FM (Constant Envelope 4-Level FM) and gave a great background introduction into the various types of digital communications systems that are available for commercial and Amateur Radio use.

Also, during the next meeting of Ocean County ARES in August, a Yaesu FT1DR (HT) and FTM-400 (Mobile) will be available for hands-on training. The FTM-400 is being mounted in a portable rack for training purposes and those attending the August meeting will be able to test the digital and analog operation of these two transceivers.

On June 6th the new Yaesu DR-1 repeater was put into operation at the Manchester Water Tank site of WA2RES/R, with an output frequency of 145.170 MHz. The PL still remains as 131.8

The DR-1 Fusion repeater is being operated in an Auto in/Auto out mode, meaning that if an FM signal is inputted into the repeater, the output will be normal FM. If a C4FM digital signal is inputted into the repeater, then the output will be C4FM digital. Understandably, there are some concerns by operators with normal FM transceivers, that C4FM digital communications will not be able to be heard. This is true for all those around the world using the new Fusion DR-1 repeaters. All I can suggest is to announce (via FM) that you will be using digital mode for a QSO prior to shifting to digital and announce (via FM) when your digital QSO is over.

Another alternative would be to operate the DR-1 repeater in a mode known as Auto/Fix. This would result in a fixed FM output with either digital or FM input. This has been tried on other repeater sites and has received negative comments by those investing in C4FM capable transceivers, who would like to take advantage of the new technology and find Auto/Fix self-defeating.

All future Ocean County ARES nets using WA2RES/R will remain in FM so that all can benefit.

There is also a plan to make the fourth Ocean County ARES

Training Net of the month a simplex net, since past emergencies have demonstrated that simplex operations are a must during sustained widespread power failures that deplete repeater backup power sources. I realize that not all may be able to communicate during simplex due to power or antenna restrictions, so we may hold two nets on the fourth Wednesday, when possible. First a repeater net on WA2RES/R, then a simplex net after the repeater net closes.

The National Weather Service in Mount Holly has recently issued a directive, which will revise the headline of Bulletins related to particularly dangerous thunderstorms to “THIS IS AN EXTREMELY DANGEROUS AND POTENTIALLY LIFE THREATENING SITUATION”. The issuance of these enhanced warnings will be rare and reserved for very significant weather events. The main criteria to trigger the enhanced warning with a headline are:

“Widespread destructive winds of 70 MPH or greater and very large hail the size of golf balls or greater capable of producing significant damage”.

73 de WX2NJ
 Bob Murdock
 Ocean County Amateur Radio Emergency Service® EC

For Your Calendar

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 HCARC Mtg 7pm	4 Independence Day	5
6	7 HC Diner noon get-together	8	9 License Exams 7pm	10	11	12
13	14	15	16	17	18	19
20	21 HC Diner noon get-together	22	23	24	25	26 IOTA CONTEST
27 IOTA Cont'd	28	29	30 Board Mtg 10am	31		

July 3 7pm HCARC Meeting

July 7 and 21 Noon get-together at Holiday City Diner

July 9- VE Session (License exams) at 7pm

July 26 at 1200Z to July 27 at 1200Z RSGB IOTA Contest (Islands On The Air)

George Lewis Waked, SK



George L. Waked, 96, one of our faithful members for 20 years, passed away on May 20. Many of us didn't know him, as he has not been able to attend HCARC meetings for several years because of a stroke. He had held novice license KB2OQM. He leaves son James W. Waked, daughter Patricia Cottrell, eight grandchildren and ten great-grandchildren.

Delivering the Mail

One of the many nice things you can do with a minimum of equipment is deliver a Radiogram. That means a formal, written message that is sent by ham radio. All it requires is that you call into a local traffic net, and if there are any messages for your area, offer to deliver one. The actual delivery is almost always by telephone, so the address usually includes a phone number to call.

When you make the call, smile (it affects your voice) and say that you're a ham radio operator, and you have just received a greeting from so-and-so for whom-ever. You ask if you may read it.

What you receive from the net has four parts :

- a Header listing the message serial number, an urgency code, originating station's callsign, the number of words in the Message, the originator's location, date and time.
- the Address and phone number
- the Message
- the Signature

Continued on page 4

Internet and e-Mail Address Links

Internet addresses and most call signs in The SKYHOOK are now hyperlinks to web sites or email addresses. If clicking on the link does not bring up what you want, copy the address and paste it into your search box.

[Our VE Crew](#)

Murray [KD2IN](#), John [K2JWH](#), Ed [W1EAP](#), Larry [K2QDY](#),
John [KQ4WR](#), Stan [KB2PD](#), Steve [N2WLH](#), Kevin [W2FA](#)
Walter [KC2LFD](#), Paul [N2QXB](#), Larry [WA2VLR](#).

License exams are given by appointment at 7pm 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 information or to schedule an appointment.

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 intersection.

CLUB COMMITTEES

Refreshments: Ed Baranowski

Webmaster: Steve [N2WLH](#), Carl [W2PTZ](#)

Publicity: Ed [W1EAP](#)

Programs: Lawrence [WA2VLR](#)

Sunshine: Dave [WA2DJN](#)

Field Day: Larry [K2QDY](#)

VE Sessions: Larry [K2QDY](#) 732-349-2950 & the crew

Skyhook: John Roberts [KQ4WR](#) 732-350-1162

Fund Raising: vacant

Membership: Doug Poray [KC2TZC](#)

HOLIDAY CITY AMATEUR RADIO CLUB

Toms River, New Jersey

Web Site www.hcarc.us

President	Carl Lee	W2PTZ	732 237-2421
Vice President	John Roberts	KQ4WR	732-350-1162
Secretary	Ed Picciuti	W1EAP	732 736-0955
Treasurer	Larry Puccio	K2QDY	732 349-2950
Executive Board	Larry Loscalso	WA2VLR	732 431-9082
Executive Board	Tom Chicino	KC2RSE	732 240-7395
W2HC Trustee	Kevin Wagner	W2FA	732 279-0532

Membership is open to all interested persons. Ham license is not required. Dues are \$20.00 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.

Location: Meeting Room #1 in the 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 nearest the intersection.

The SKYHOOK is published monthly.

Editor and Publisher:

John Roberts [KQ4WR](#) phone: 732 350-1162 E-mail KQ4WR@arrl.net

Send all newsletter items to: John Roberts

7 Lincoln Ct. Whiting, NJ 08759-1505, or e-mail KQ4WR@arrl.net

Continued from page 3

Some local traffic nets:

JSARS Traffic Net: Daily, 7:30pm, 146.910MHz, -600kHz, 127.3Hz

South Jersey Net: Daily, 8:00pm, 145.470MHz, -600kHz, 127.3Hz

Central Jersey Net: Daily, 8:00pm, 146.760MHz, -600kHz, 156.7Hz

How To Originate a Radiogram

A printable Radiogram form is available at the arrl.org website.

Precedence Code: "R" for Routine (usually next day delivery), "W" for Welfare (usually same day), "P" for Priority, or "EMERGENCY" (immediately, by any means available)

Handling Code (optional; default is HXG):

HXA = OK to call collect (within ___ miles).

HXB = Cancel if not delivered within ___ hours.

HXC = Report date and time of delivery to originating station.

HXD = Report to origination station the identity of the station from which received, plus date and time. Also report the identity to whom sent, plus date and time.

HXE = Reply requested from destinee. (Get a return message).

HXF = Hold delivery until ___ (date).

HXG = Delivery by mail or toll call not required. If any expense, cancel and report to originating station.

Check: The Check is the number of words in the message. A word is defined as any string of alphanumeric characters without an internal space. "ARL FORTY SIX", for example, is three words.

If the Check word count is preceded by "ARL", the body of the message contains the word "ARL" followed by a number spelled out as one or two words. It's a code for an ARRL Numbered Radiogram. For example, "ARL FORTY SIX" means "Greetings on your birthday and best wishes for many more to come". Before delivering the message to the addressee, the canned phrase will have to be looked up and substituted for the ARL code.

Punctuation: Punctuation, such as period and comma, should be avoided, as it may slow down transmission by Morse code or RTTY.

Use an 'X' ("Xray") instead of a period, but count it as a separate word. When reading the message to the addressee, read the 'X' like a period.

Instead of a decimal point, use the letter 'R' ("Romeo"), but read it as "point" when delivering the message to the addressee. For example, "146.94" is written as 146R94, and is one word.

Signature: The signature may include salutations like "With Love", or "Sincerely". These should be avoided, but are considered part of the signature, rather than text body, so they are not counted.

The signature may include a title, or even the sender's address and phone number, especially if a reply is expected.

Above all: Accuracy and dependability are far more important than speed, so take enough time to get it right.



ARRL — the national association for Amateur Radio™



RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED	DATE
TO				THIS RADIO MESSAGE WAS RECEIVED AT AMATEUR STATION _____ PHONE _____ NAME _____ E-MAIL _____ STREET _____ CITY, STATE, ZIP _____			
PHONE NUMBER							
E-MAIL							

_____				_____			
_____				_____			
_____				_____			
_____				_____			
_____				_____			

FROM	DATE	TIME	TO	DATE	TIME
REC'D			SENT		
<small>This message was handled at no charge by a licensed Amateur Radio operator, whose address is shown in the box at right above. No compensation can be accepted by a "ham" operator. A return message may be filed with the "ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225 Main Street, Newington, CT 06111 or www.arrl.org.</small>			<small>The ARRL is the national association for Amateur Radio and the publisher of QST magazine. One of its functions is promotion of public service communication among Amateur Radio operators. To that end, the ARRL has organized the National Traffic System for daily nationwide message handling.</small>		

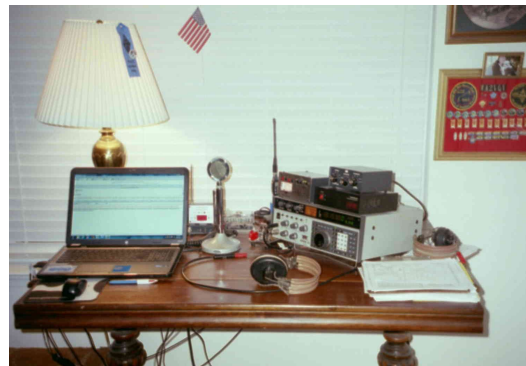
Some IOTA Contest Stations:

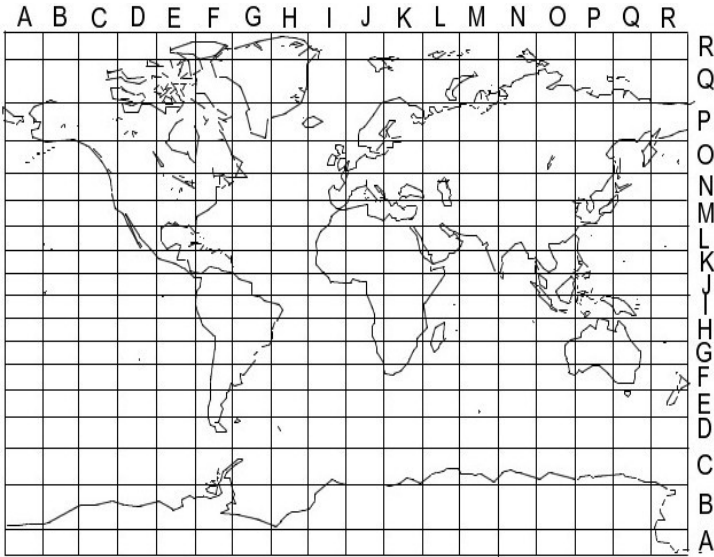
Entity	Call	Island	IOTA	ITU	CQ	Bands	Modes	Grid	Miles	Dir	QSL via
Croatia	9A/OM3RM	Vis	EU-016	28	15			JN83ba	4440	NE	OM3RM
Cyprus	C4I	Cyprus	AS-004	39	20		SSB,RTTY	KM65qe	5502	NE	M0OXO
Canada	CK2I	Isle aux Grues	NA-128	04	05			FN47rb	525	NNE	LotW
Portugal	CR5CW	Culatra	EU-145	37	14			IM66bx	3512	ENE	LotW
Germany	DG5LAC/p	Fehmarn	EU-128	28	14	80-10	SSB	JO54nl	3873	NE	Buro
Germany	DL/ON6QR	Langeoog	EU-047	28	14			JO33rr	3754	NE	ON6QR
Germany	DL5XAT/p	Fehmarn	EU-128	28	14			JO54nl	3873	NE	DL5XAT
Ireland	EJ1C	EJ1C	EU-121	27	14			IO52gk	3116	NE	EI2KA
Ireland	EJ1Y	Great Blasket	EU-007	27	14	HF		IO42tc	3071	NE	EI5JQ
Ireland	EJ5KF	Bere	EU-121	27	14		CW	IO51bp	3097	NE	EI5KF
Scotland	GM0FGI	Bute	EU-123	27	14		SSB	IO75lu	3236	NE	GM0FGI
Scotland	GM5O	Orkney Main	EU-009	27	14			IO88kx	3269	NE	M5KJM
Wales	GW7O	Holy	EU-124	27	14			IO73qg	3290	NE	GW3SQX
Italy	IA5/IV3LZQ	Giglio	EU-028	28	15		CW	JN52ki	4234	ENE	IV3LZQ Dir
Italy	IB0R	Ventotene	EU-045	28	15			JN60rt	4403	ENE	IK8HCG Dir
Italy	IG9Y	Lampedusa	AF-019	28	33			JM65hm	4560	ENE	ON4LG
Italy	IH9YMC	Pantelleria	AF-018	28	33			JM56xt	4480	ENE	eQSL
Italy	IV3/DF8DX	Grado	EU-130	28	15			JN65qu	4232	NE	DF8DX
Alaska	KL7RRC	Adak	NA-039	01	01			AO11qu	4575	NW	N7RO
Norway	LI2MOA	Vardo	EU-141	18	14			KQ50ni	3978	NNE	LA2MOA
Jersey	MJ8C	Les Minquiers	EU-099	27	14		mix	IN88xx	3479	NE	G4DFI
Jersey	MJ0ICD	Jersey	EU-013	27	14			IN89we	3471	NE	OK1BIL
Scotland	MM0GOR/p	Islay	EU-008	27	14			IO65ws	3196	NE	Buro
Guernsey	MU0HTJ	Guernsey	EU-114	27	14			IN89rk	3447	NE	2E0SQL
Netherlands	PA6TX	Texel	EU-038	27	14			JO23jb	3667	NE	PD0LVS
Brazil	PQ5M	Sao Francisco	SA-027	15	11			GG53qs	4863	SSE	PP5BZ
Sweden	SM7/M1KTA	Garpen	EU-037	18	14			JO86bj	3998	NE	LotW
St Kitts & Nevis	V47JA	St Kitts	NA-104	11	08	160-6	SSB	FK87rh	1715	SSE	LotW
Brazil	ZY8D	Canarias	SA-072	13	11	80-10	SSB	GI97bc	3602	SE	PS8PY

How's DX?

May 18 thru June 13, Russ Young WA2VQV worked:

Date	Time	Mode	Band	Entity	Grid	Miles	Dir
18-May-14	2034Z	CW	12M	DOMINICAN REPUBLIC	FK49pk	1374	SSE
18-May-14	2042Z	RTTY	12M	PUERTO RICO	FK68kc	1520	SSE
18-May-14	2058Z	CW	12M	ARUBA	FK52am	1854	SSE
19-May-14	0108Z	CW	12M	NEW ZEALAND	RF80lf	8685	WSW
21-May-14	0727Z	CW	20M	HAWAII	BK29cb	4897	W
26-May-14	2009Z	CW	20M	LUXEMBOURG	JN39bo	3903	NE
28-May-14	2150Z	SSB	17M	FRANCE	JN05jg	3788	ENE
3-Jun-14	0058Z	CW	30M	CUBA	EL93fb	1153	SSW
3-Jun-14	0100Z	CW	30M	EUROPEAN RUSSIA	KN95lb	5352	NE
6-Jun-14	2259Z	SSB	17M	COLOMBIA	FJ37et	2358	S
6-Jun-14	2313Z	SSB	17M	SLOVENIA	JN75dx	4353	NE
9-Jun-14	0051Z	SSB	20M	ALBANIA	JN91sm	4737	NE
10-Jun-14	0042Z	SSB	17M	ALBANIA	JN91sm	4737	NE
13-Jun-14	2210Z	SSB	12M	FRENCH ST. MARTIN	FK88lb	1620	SSE
13-Jun-14	2353Z	RTTY	20M	GERMANY	JO42ku	3928	NE





Ocean County NJ has an IOTA Number

The islands of New Jersey qualify, as a group, as IOTA entity number NA-111. Nearly all of that is within Ocean County. One of the smallest of these islands is Ham Island, in Little Egg Harbor, near Beach Haven Park.

SOME JULY OPPORTUNITIES

Begin	End	Entity	Call sign	C/IOTA	ITU	CQ	Grid sq	Miles	Dir	Bands	Modes	QSL via
7/1	7/2	Fiji	3D2ML	OC-121	56	32	RH82mg	7978	W	HF	C,S	RM2A
7/8	7/12	Fiji	3D2ML	OC-156	56	32	RH92ok	7860	W	HF	C,S	RM2A
7/13	7/13	Fiji	3D2ML	OC-016	56	32	RH92ae	7932	W	HF	C,S	RM2A
7/31	8/5	Timor Leste	4W/NB3MM	OC-148	54	28	PI21sk	9951	NW	30-12	S,c,p	IZ8CCW
7/22	8/6	Tanzania	5H1NE	AF-032	53	37	KI93pu	7735	E	HF	S	IK2DUW
7/3	7/7	Samoa	5W0ML	OC-097	62	32	AH46df	7222	W	HF	C,S	RM2A
7/10	7/13	South Cook Is	E51AND	OC-083	62	32	BH10dd	6761	WSW	20-17	S,q	E51AND Dir
7/15	7/18	South Cook Is	E51AND	OC-083	62	32	BG08ct	6923	WSW	20-17	S,q	E51AND Dir
7/8	7/21	South Cook Is	E51QBV	OC-013	62	32	BH10dd	6761	WSW	20-10	S	K2QBV
7/5	7/15	St Pierre & Miquelon	FP/KV1J	NA-032	09	05	GN16vs	1020	ENE	80-6	S,C,R	LotW
7/16	7/22	St Pierre & Miquelon	FP/OE5OHO	NA-032	09	05	GN16vs	1020	ENE	40-10	C	Home Call
7/16	7/22	St Pierre & Miquelon	FP/OE3GEA	NA-032	09	05	GN16vs	1020	ENE	40-10	C	Home Call
6/29	7/6	St Martin	FS/W7NZJ	NA-105	11	08	FK88lb	1654	SSE	20,15	C,D	eQSL
7/8	7/11	Jersey	GJ/WJ2O	EU-012	27	14	IN89we	3471	NE	20-12	C,s	LotW
7/12	7/15	Guernsey	GU/WJ2O	EU-114	27	14	IN89rk	3447	NE	20-12	C,s	LotW
6/17	8/19	Minami Torishima	JD1\JG8NQJ	OC-073	90	17	QL64xg	7023	NW	15-17	C	JA8CJY/Buro
6/26	8/28	Svalbard	JW/UA3IPL	EU-026	18	40	JQ88as	3525	NNE	HF	Q,S,D	RW6HS Dir
7/13	7/24	American Samoa	KH8/W7GJ	OC-077	62	32	AH45pq	7189	W	6	E,s,c	See Web
7/19	7/26	Aland Is	OH0/W5ELA	EU-002	18	15	JP90wc	4012	NE	40-10	C	IW5ELA
7/25	7/30	Greenland	OX/DB5MH	NA-220	05	40	GP35ht	1967	NNE		(QRP)	DB5MH
7/1	7/7	Dodecanese	SV5/OK6DJ	EU-001	28	20	KM46ae	5229	NE	HF	C,P,R,S	OK6DJ
7/14	7/14	Palau	T88DF	OC-009	64	27	PJ77fi	8696	NW	160-6	q,s,d	LotW
6/27	7/4	Iceland	TF/ON6KE	EU-021	17	40	IP13at	2776	NE	HF	C,S,J	LotW
7/1	7/13	Corsica	TK/F1MDT	EU-014	28	15	JN42md	4160	ENE	40-10	R,P,j	F1MDT
7/5	7/19	Corsica	TK14CC	EU-014	28	15	JN42md	4160	ENE	40-10	C,s,d	LotW
7/7	7/17	Guadeloupe	TO5MJ	NA-102	11	08	HK86pg	3483	ESE	40-10	C,S,D	LotW
7/26	8/8	Antigua	V29SH	NA-100	11	08	FK97ac	1742	SSE	20-12	S,c	LotW
6/25	8/6	St Kitts & Nevis	V47JA	NA-104	11	08	FK87rh	1715	SSE	160-6	S	LotW
7/29	8/2	Cocos Keeling	VK9EC	OC-003	54	29	NH87jt	10442	NNE	160-6	All	LotW
7/10	7/13	Bermuda	VP9\OH1VR	NA-005	11	05	FM72ph	750	SE	HF	C	OH1VR
7/12	7/13	Cayman Is	ZF1A	OC-073	90	17	QL64xg	7023	NW	15-17	C	K6AM

MODES: C=CW, QRSC=Slow CW, D=Digital, F=FM, I=Image (SSTV), J=JT, P=PSK, Q=QRS CW, R=RTTY, S=SSB, W=WSPR (less likely usage is shown in lower case)