

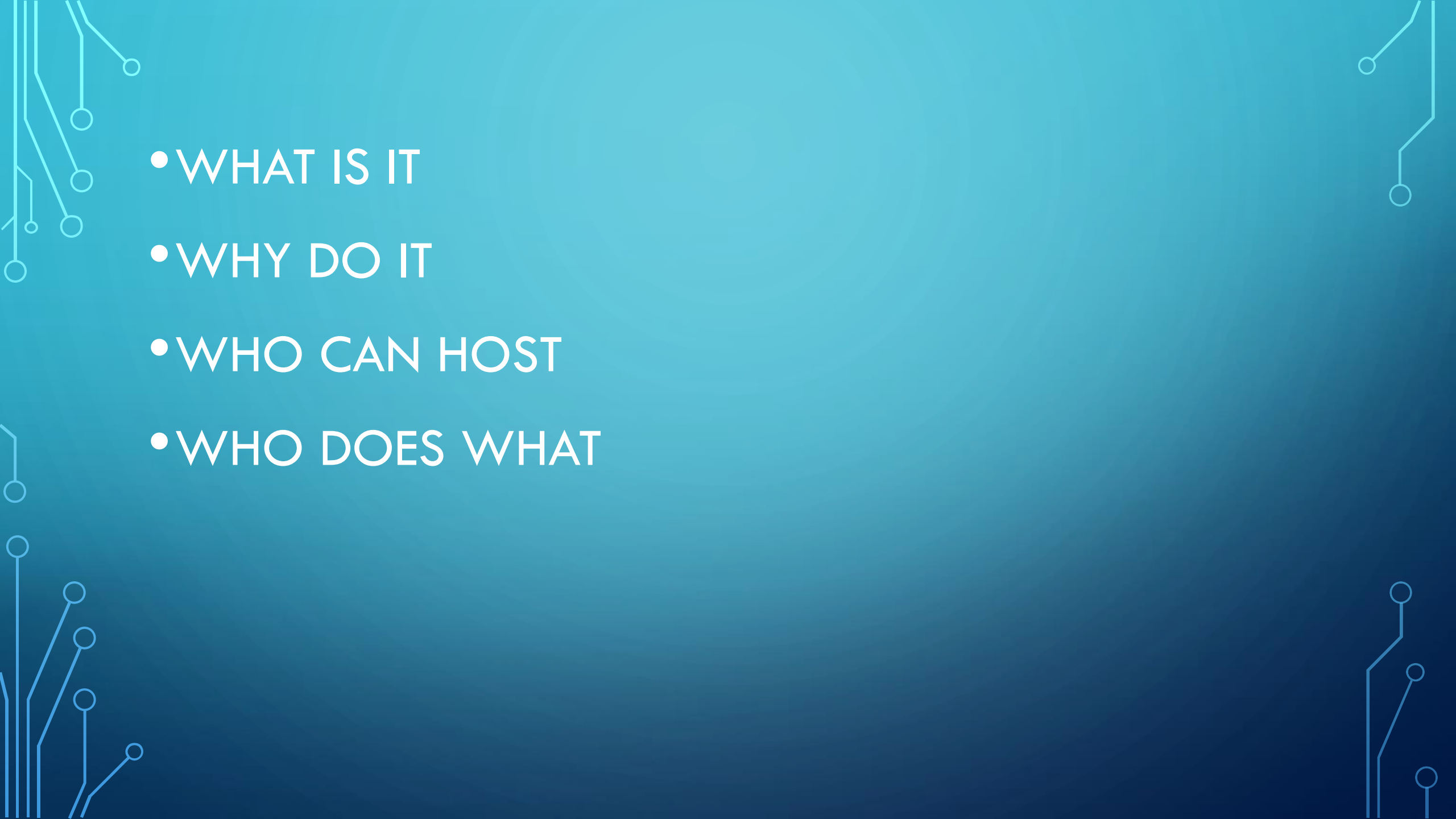


JAMBOREE ON THE AIR (JOTA)

A BEGINNERS GUIDE

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AUGUST 31, 2022

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- The background is a solid teal color with a subtle gradient. In the four corners, there are decorative white line-art elements resembling circuit traces or network connections, with small circles at the end of the lines.
- WHAT IS IT
 - WHY DO IT
 - WHO CAN HOST
 - WHO DOES WHAT

WHAT IS IT WHY DO IT

- Get scouts of all ages and genders on the air
- Brings technology and scouts together
- Allows scouts across the country and around the world to talk to one another
- The idea is to let them experience a real connection with another culture or simply a different state. (some states do have different cultures than we do!)
- Demonstrate how technology works (I prefer a simple portable set up, others prefer to show their personal “NASA set up”)
- It is FUN to see the youth light up at an unexpected contact (my Cubs Scouts talked with a scout troop in Sherwood Forest, Nottingham, England!)

WHO CAN HOST ... WHO DOES WHAT

- SCOUT LEADERS/RADIO OPERATORS/SPONSORING ORGANIZATION
- The event can be spearheaded by anyone, but must include the trained scout leaders and licensed amateur radio operators
- Scout leaders have specific training required by Scouting USA for dealing with youth
- **MUST** have at least 2 adults present at all times and all scouts in view of everyone else
- Scout leaders are in charge of the youth
- Hams bring the equipment, knowledge, patience and good humor

SOME HISTORY

- Building a small radio receiver and knowing Morse Code was required for a first class scout rank from 1918 to **1960 something**
- Now the Radio Merit Badge has paths related to broadcast radio, SWL, amateur radio
- JOTA first held in 1958 and now includes JOTI (internet version)
- Talking to another country during JOTA/JOTI satisfies a current requirement for the **ARROW OF LIGHT AWARD**

WHERE AND WHAT

- Set up anywhere that is convenient to both the operator and scouts
- I try to set the stage by visiting a scout meeting BEFORE the day of JOTA. Explain what radio is and what we will try and do .. Take about 10 minutes
- It is always good to have some hands on activities Especially if you are working with grades 1-6.
- I use small code sounders, blinker lights, pocket cards of Morse Code, and open up an old tube receiver for them to see.
- Everyone gets a turn at the microphone, but is NOT required to speak.
- You can go to ARRL or K2BSA to set up scheduled contacts

MORE WHAT TO DO

- Have the scouts ask about birthday traditions, favorite color, favorite class, age, pets Anything to get a conversation started
- Have the scouts make QSL cards for their contacts
- Show your QSL collection
- Have the Radio Merit Badge book on display
- Display QST or OTA magazines
- Display a copy of the Tech license study guide
- Display a large map of the USA and the world ... put sticky notes on each city, state or country you contact.

HELPFUL LINKS

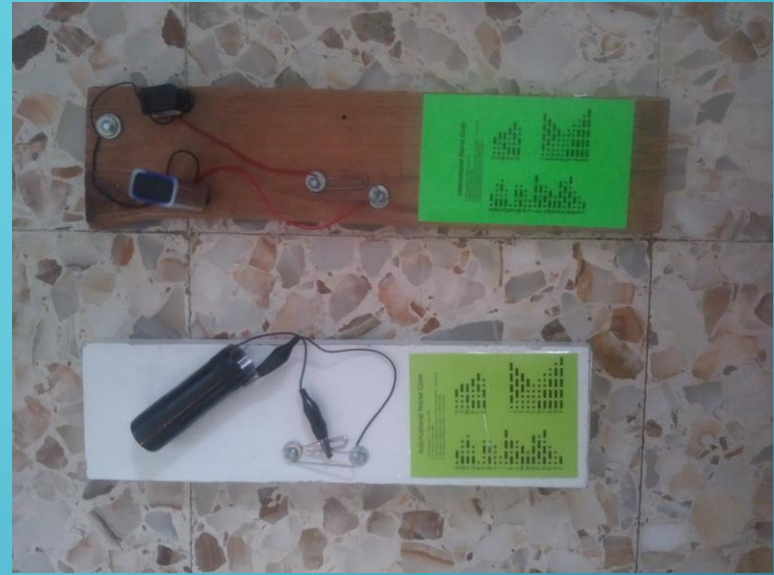
- JOTA sponsor for USA <https://k2bsa.net/news/>
- Radio Operators Guide <https://k2bsa.net/jota-guidelines-for-amateur-radio-operators/>
- ARRL <http://www.arrl.org/jamboree-on-the-air-jota>
- Finding Cub Scouts Near You <https://www.samhoustonbsa.org/join#Cubs>
- Boy Scouts near you <https://www.samhoustonbsa.org/join-troop>
- Girl Scouts have something similar, but not exactly. Contact them to discuss.
<https://www.gssjc.org/>

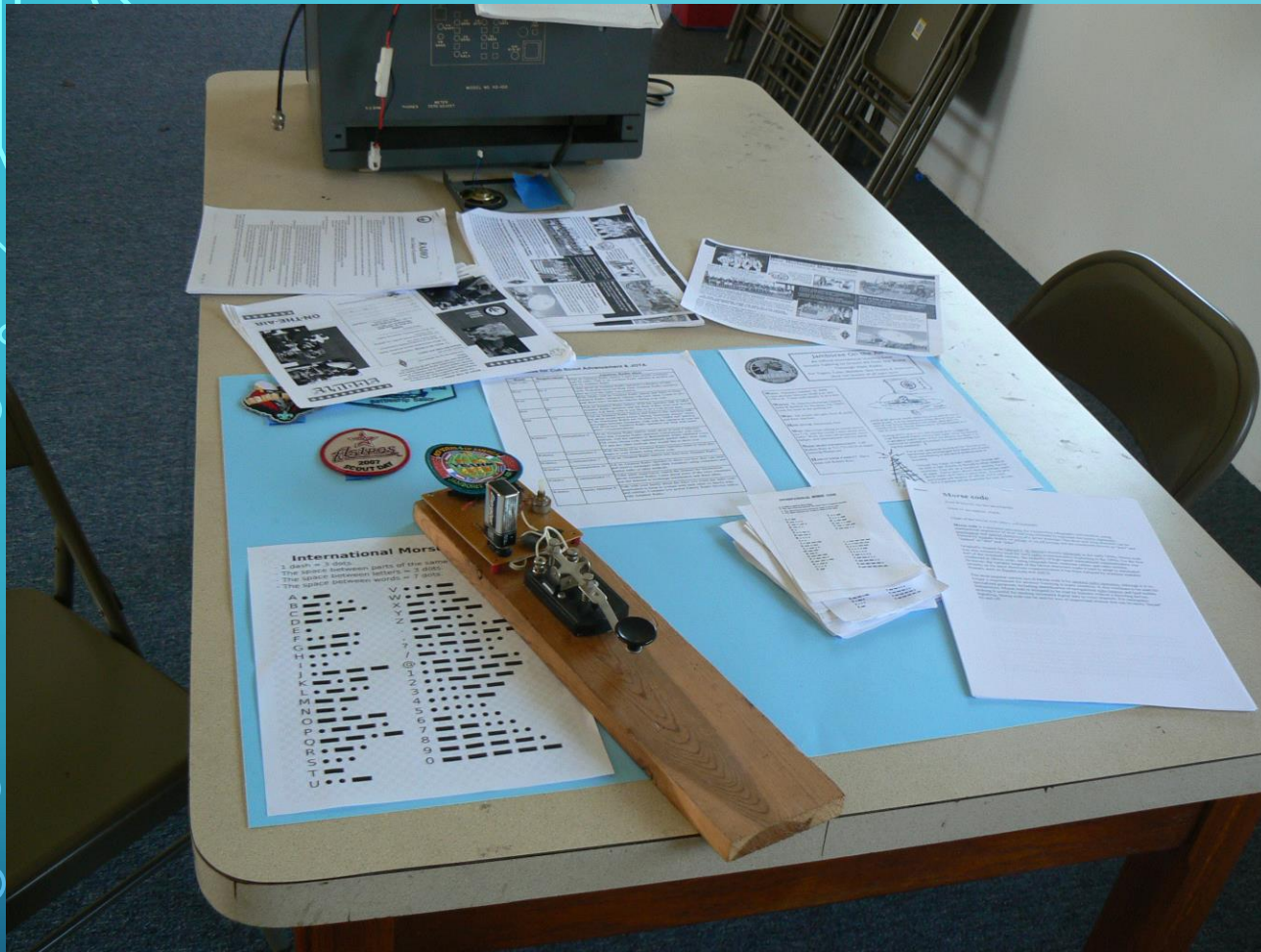
MORE LINKS

- Scout frequencies <https://k2bsa.net/scout-frequencies/>
- Patches <https://www.scouting.org/international/jota-joti/patch-ordering/>
- Register and Report your Event
<https://www.scouting.org/international/jota-joti/jota/station-registration/>
- Soapbox <http://www.arrl.org/jota-stories>

The background is a dark blue gradient. In the corners, there are white line-art illustrations of circuit boards or neural networks, with lines connecting to small circles.

SUCCESS STORY







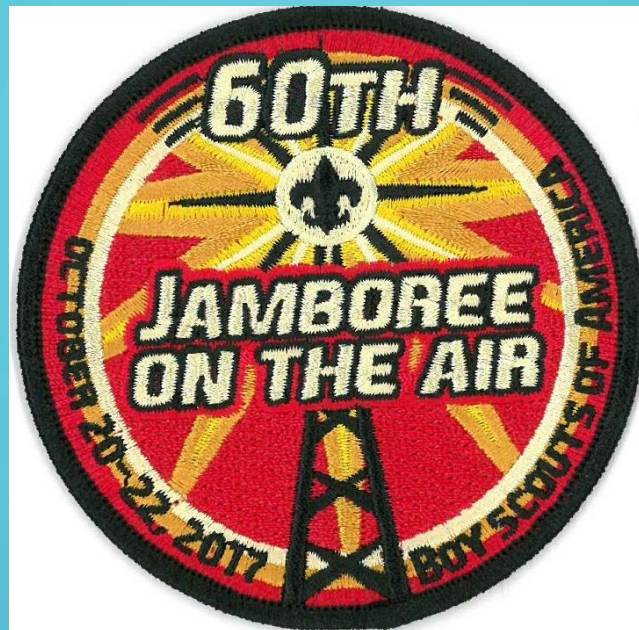
Cubmaster Ralph Phillips helping his son Gregory with radio equipment.



International Morse Code

- 1 dash = 3 dots.
- The space between parts of the same letter = 1 dot.
- The space between letters = 3 dots.
- The space between words = 7 dots.

A	• —	V	• • • —
B	— • • •	W	— — • •
C	— • • — •	X	— • • —
D	— • •	Y	— • — —
E	•	Z	— — • •
F	• • — •	.	• • • — — —
G	— — • •	,	— — — —
H	• • • •	?	• • — — • •
I	• •	/	— • • — •
J	• — — — —	@	• — — — • •
K	— • — —	1	• — — — —
L	• — — •	2	• • — — —
M	— — —	3	• • • — —
N	— — •	4	• • • • —
O	— — — —	5	• • • • •
P	• — — — •	6	— — • • •
Q	— — — • —	7	— — — • •
R	• — • •	8	— — — — •
S	• • •	9	— — — — •
T	—	0	— — — — —
U	• • —		





COME JOIN IN A SCOUT ACTIVITY JOTA 2010

Who:

CUB SCOUT PACK 705 INVITES YOU TO JOIN OUR CUB SCOUTS FOR A JAMBOREE ON THE AIR

What:

Jamboree On The Air (JOTA) – Talking with other Scouts across the country (and maybe around the world) using amateur radio

When:

Saturday October 16
NOON to 8 P.M.

Where:

Scout House behind Parker Elementary School
(The Scout House is on Willowbend near Atwell)

How:

Amateur radio operators will set up their radios and help scouts use them to make contacts over the air waves. We will also have some exhibits and activities for all ages.

POSSIBLE ACTIVITIES:

- Talk to scouts across the country (and around the world radio if propagation permits)
- Send Text Messages by radio
- Try your hand at Morse Code
- Build a Morse Code practice key
- "Fox Hunting" (find a hidden transmitter by radio location)
- Look into the "guts" of a radio
- What is "HAM" radio ?
- Discussion of how HAM radio helps during emergencies

OTHER ACTIVITIES

- First aid lessons
- Bring a Picnic Snack
- Discussion of "What is Scouting all about?"

If you have a large group, Please RSVP to ralphphillips@msn.com or Ralph.phillips@mustangeng.com so we can track how many to expect & set up enough radios
For more information on JOTA, go to <http://www.arrl.org/scouts/jota/>