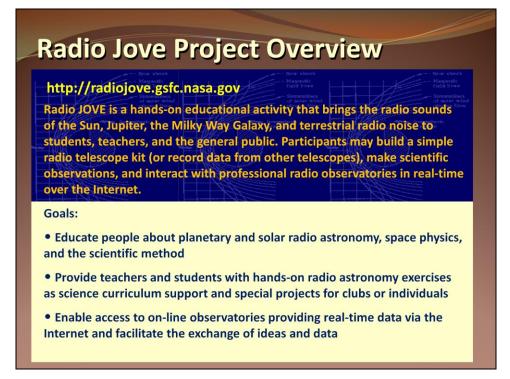


This is an overview of the Radio Jove Project as of 2014, our 15<sup>th</sup> year in existence.

Named Jove after the Roman mythological name for Jupiter, and sometimes written Radio JOVE, we use JOVE like the four call letters of a radio station.



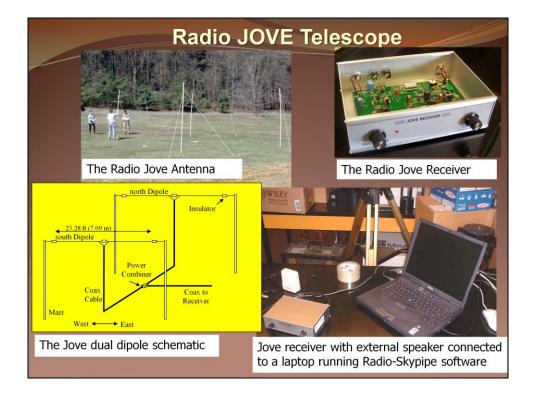
Radio Jove is first and foremost an education program with members that dedicate their time and talents to help students, teachers and individuals learn radio astronomy.



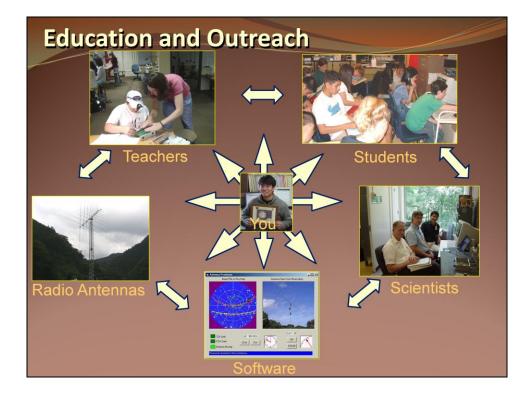
Planning for Radio Jove began in 1997 and officially sold it's first kit in 1999.

Here is a list of our current and founding team members and their affiliations; pictured are many of them circa 2000.

If your name is Jim, you might already be a member. 😊

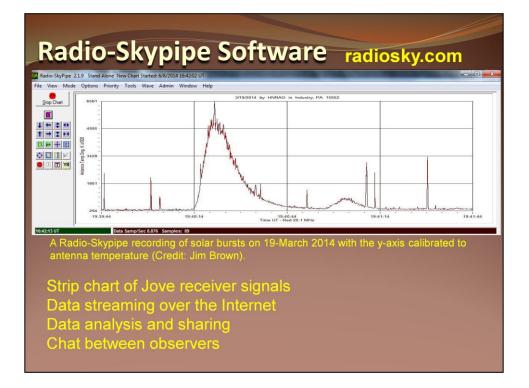


Radio Jove is a hands-on, kit-based radio telescope that you build yourself. The radio has a center frequency of 20.1 MHz and a narrow bandwidth of 350 kHz by design. The dipole antennas, made of copper wire and coaxial cable, can be easily constructed to observe solar or Jupiter radio emissions. These are a few different pictures of the Radio Jove receiver, antenna and antenna schematic.

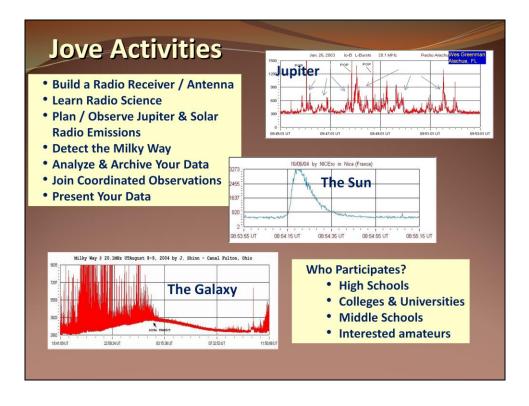


Participants are encouraged to interact with each other, teachers, scientists, software, and professional radio telescopes.

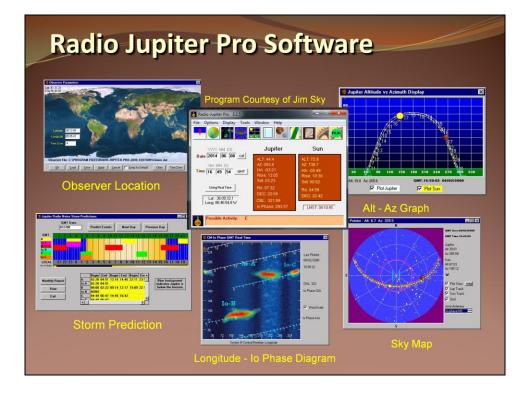




The Radio-Skypipe software allows you to easily digitize and record your observations on your computer. The software allows you to do data analysis, calibrations, sound file recordings, and share data with others, This graph is a Radio-Skypipe recording of solar bursts on 19-March 2014 with the y-axis calibrated to antenna temperature (Credit: Jim Brown).



Radio Jove allows participants a relatively inexpensive way to build their own radio telescope. One can fairly easily detect Jupiter and solar radio emissions, as well as detect the Milky Way. Learning science by doing allows one to learn basic physics and radio science. The Jove team helps you detect and analyze your observations and upload them to our data archive. Targeted for high school students, we also encourage individuals and middle school and college students to become involved.

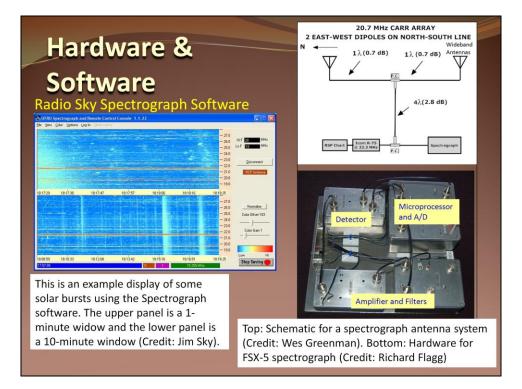


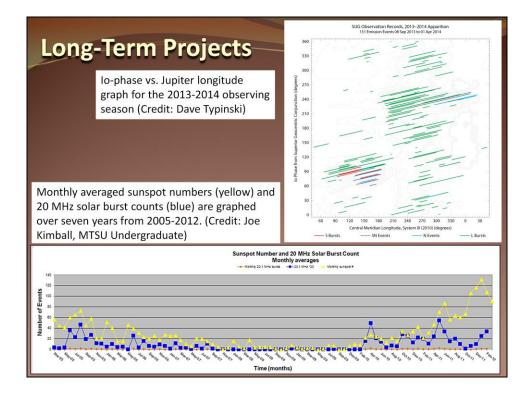


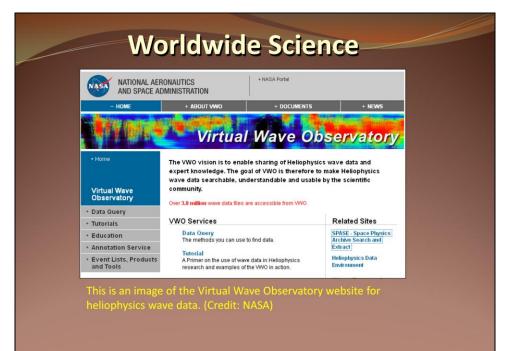
The Radio Jove kits include two CDs: The Radio Jove CD contains the Pro versions of Radio-Skypipe and Radio Jupiter Pro, several lesson plans and a PDF copy of Richard Flagg's Listening to Jupiter, 2<sup>nd</sup> Ed. The Education CD, written by Joe Ciotti is a multimedia education primer on radio astronomy and Jupiter.

<ul> <li>Upload and Download data</li> <li>File types: Skypipe data, images, spectrographs, sound files</li> <li>Create Graphs for analysis</li> <li>Look at long-term trends</li> </ul>									25,	
Archive Statistic	Radio JOVE Archive Calendar       Surfar School Current Year & Month       Extra to Current Year & Month     Extra to Welsome Page       C									
Types of Files Nu		rgets of bservation	Number	9	10 <u>Jupiter</u>	11 Jupiter 18	12	13	Jupiter 14 Jupiter 21	22
Images (jpg, etc.) 58	90 Su	ın:	4970	23	24	25	₩ <u>Sun</u> 26	27	28	29 ☆ <u>Sun</u>
Radio-SkyPipe37(.spd) files	36 Juj	piter:	1464	30	31 O <u>Jupiter</u>				Jupiter	* <del>\$`</del> <u>Sun</u>
WAV format 89 sound files	7 Ga	alaxy:	33	The Radio Jove data archive calendar view is shown with the						
Text files 90	6 Int	terference:	28	Jupiter and solar data entries for						
				Mar	ch 2(	014.				

upload and download data, create graphs for analysis, and look at long-term trends.









Here is a summary of the Radio Jove project: 1) Radio Jove participants DO radio astronomy, 2) Radio Jove can make 20.1 MHz observations of Jupiter, the Sun, and the Galaxy; 3) Current Kit Cost: \$210.00; 4) Share Data and Join Coordinated Observations; 5) Citizens Can Make Significant Contributions; 6) Advanced Users Can Do Amazing Science; 7) Data Archive is Growing; 8)Radio Jove Plans to Make Observations During the June Mission to Jupiter, 2015-2017