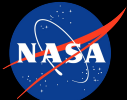


SUNRISE

GROUND RADIO LAB

Partnership Between





sunrise.umich.edu



radiojove.gsfc.nasa.gov

Contributors: Soni, S.L.; Higgins, C.; Akhavan-Tafti, M.; Fung, S.

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Training Module 4.3

Presentations and Publication

OUTLINE

- **Regional associations and working groups**
- **Science fair**
- **Conferences and seminars**
- **Presentation and Publication**
- **Knowledge exchange and helpful links**
- **Wrap up!**



REGIONAL ASSOCIATIONS AND WORKING GROUPS

- **U.S. General Services Administration**
- **European Citizen Science Association (ECSA)**
- **Citizen Science Association, Arizona**



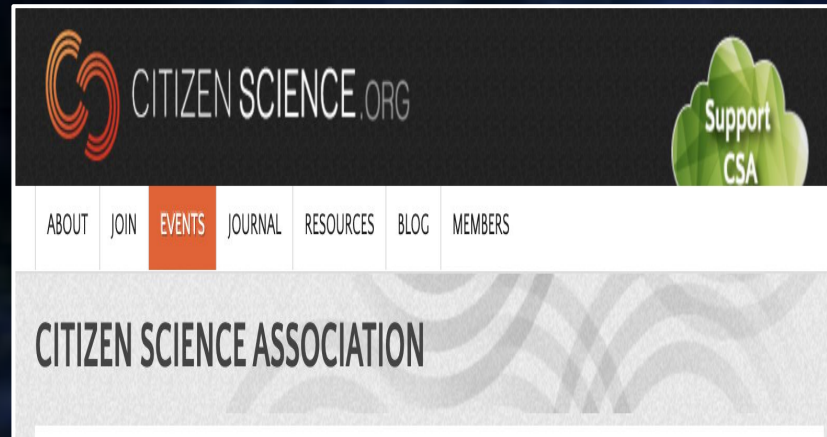
CONFERENCES AND SEMINARS

NASA Cit Sci Leaders Series



The banner features the NASA Cit Sci Leaders Series logo on the left, which includes icons for a microscope, a globe, a plant, a lightbulb, a rocket, and a hand holding a tablet. The text on the right reads: "The professional learning series for those leading, hoping to lead, or wanting to learn more about NASA Citizen Science." The top navigation bar includes links for "CURRENT SERIES", "ABOUT", "RECORDINGS & RESOURCES", "CONNECT", and "CODE OF CONDUCT".

C*Sci virtual meetings, Arizona



The banner features the Citizen Science Association logo on the left, which consists of two interlocking orange rings. The text "CITIZEN SCIENCE.ORG" is displayed in white. On the right, there is a green graphic of a cloud with the text "Support CSA". The bottom navigation bar includes links for "ABOUT", "JOIN", "EVENTS", "JOURNAL", "RESOURCES", "BLOG", and "MEMBERS". The text "CITIZEN SCIENCE ASSOCIATION" is displayed in large, bold, black letters at the bottom.

Many more..



Example of Outcome/ Results...

Thomas Ashcraft


NASA Citizen Scientist

- Radio Jove Antenna
- Jupiter radio emissions
- Jovian radio bursts

Geophysical Research Letters*

Research Letter | [Free Access](#)

Propagation Teepee: A Possible High-Frequency (15–30 MHz) Remote Lightning Signature Identified by Citizen Scientists

Shing F. Fung , David Typinski, Richard Flagg, Thomas Ashcraft, Wes Greenman, Charles Higgins, James Brown, Larry Dodd, Francisco Reyes, Jim Sky, James Thieman, Leonard Garcia

First published: 23 April 2020 | <https://doi.org/10.1029/2020GL087307> | Citations: 2



Thomas prepares his purpose-built camera array for capturing images of “jellyfish sprites.” Sprites are brief, colorful flashes of light sometimes seen high above thunderstorms. . Image credit: Lynn Larsen

[His Experience as Citizen Scientist](#)

Hanny Van Arkel

NASA Citizen Scientist

- Stellar Astronomy
- Quasar
- Radio Observation



Her Experience as Citizen Science

Galaxy Zoo: 'Hanny's Voorwerp', a quasar light echo**

Chris J. Lintott¹, Kevin Schawinski^{1,2,3}, William Keel^{4,5}, Hanny van Arkel⁶, Nicola Benetti^{7,8}, Edward Edmondson⁹, Daniel Thomas⁹, Daniel J.B. Staveley-Smith¹⁰, Peter D. Heisler¹¹, Matt J. Jarvis¹¹, Shami Virani⁹, Dan Andreescu¹², Scott Bamford⁹, Kate Land¹³, Phil Murray¹³, Robert C. Nichol⁹, M. Jordan Radcliffe¹⁴, Alex Szalay¹⁴, Jan Vandenbergh¹⁴

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¹³Department of Physics, University of Arizona, Box 210088, Tucson, AZ 85721, USA
¹⁴Department of Physics, University of Arizona, Box 210088, Tucson, AZ 85721, USA

Revealing Hanny's Voorwerp: radio observation

G. I. G. Jones¹, M. A. Gaerem^{1,2}, T. A. Oosterloo^{1,4}, H. Rameshrad^{3,5}, Z. Parag^{1,4}, B. C. Keel⁶, K. Schawinski⁷, and E. Edmondson⁸

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ABSTRACT

KNOWLEDGE AND HELPFUL LINKS

<https://solarsystem.nasa.gov/news/368/citizen-scientists-of-history/>

https://solarsystem.nasa.gov/news/361/citizen-scientists/#five_extraordinary_citizen_science_discoveries_otp

<https://mail.google.com/mail/u/0/?tab=rm&ogbl#search/dan?projector=1>

<https://www.youtube.com/watch?v=Wqcpu5j4Qx8>

<https://www.youtube.com/watch?v=J2uC8ghAluc>

<https://www.youtube.com/watch?v=3YIYZvMgiCc>

Fantastic,

Welcome to the Citizen Science Group...

Best Wishes!



Thanks for attention!

