

## NASA/HEAT Rice U Status Report – August 2022

Patricia H. Reiff, Rice University

- ***Education: PHYS 501 Class Begins***

August 22 was the first class session of “PHYS 501: Physics of Ham Radio”. The class covers the basics of waves, electrical circuits, radio propagation, GPS and Space Weather. This year will also talk about the upcoming solar eclipses. Website: <https://mst.rice.edu/PHYS501/>

This year we have five teachers taking the class for a grade whose tuition is partially funded by the grant, plus two undergraduate students and several others attending for Professional Development. One additional teacher is tutor/grader.

**Participants:**

Teachers: 8 (4 women) (5 for academic credit)

Colleagues: 1

Undergrads: 3 (1 woman)

Zip Codes: 37617, 66536, 77005, 77062, 77441, 77449, 77477, 77493,

- ***Eclipse Planning***

Prof. Reiff and Dr. Carolyn Sumners participate on several of the AAS eclipse working groups. They did a site visit to a potential viewing site in Bandera, which appears promising.

- ***Planning for 60<sup>th</sup> Anniversary of JFK speech***

Prof. Reiff spent a good deal of time planning for educational events around the 60<sup>th</sup> anniversary of the John Kennedy “We Choose to Go to the Moon” speech. There will be both a huge NASA exhibit plus an exhibit of Rice activities. We will have one of our Dish planetariums on display with our show “We Choose Space” and “Apollo and Beyond” running.

### ***Annular Eclipse and Artemis Animations Additional Distribution***

The annular and total eclipse animations, plus the Artemis animations, are continuing to be distributed. We added descriptive scripts to the Artemis animations, so they could be used as closed-captioned. We already had scripts for the other eclipse animations.

We sent out a notice to the “small planetariums” list this month and have provided digital copies to 67 planetariums so far.

August requests from: UK and Germany.

**Planetarians can sign up to get any of our animations for free here:**

<https://forms.gle/sS8q31qFSDRnhnbX7>

**Annular eclipse animation** info and links:

[https://space.rice.edu/eclipse/eclipse\\_animations.html](https://space.rice.edu/eclipse/eclipse_animations.html) **Note** the descriptions and links to the individual pieces are given in October 2021 report.

Our eclipse sign up is here: <http://eepurl.com/cv68Qj> (for educators and the public)