

# Meeting Notice October 2017

## Of the **Rittenhouse Astronomical Society**

The Society invites members, guests and the interested public to our upcoming meeting (students encouraged to attend.) FREE / Open to the general public, no admit fee. Membership not required.

**WHO:**

**GUEST SPEAKERS**

**Dr. Paul Halpern**  
**University of the Sciences**

**Topic:**

**The Quantum Labyrinth**

**WHERE:**

**THE FRANKLIN INSTITUTE**  
**222 20<sup>TH</sup> STREET & THE PARKWAY**  
**PHILADELPHIA PA**

**WHAT:** Richard Feynman and John Wheeler, two of the greatest names in 20th century science, collaborated closely and effectively, despite markedly different personalities. They propelled each other to new vistas of fundamental physics and the study of the universe. This talk will examine some of their critical contributions, from explorations of the arrow of time and the participatory universe to wormholes and black holes.

**WHEN: **October 4 2017; 7:00 PM ~ AGENDA****

7:00 - Doors Open	7:50 - Presidents Address
7:15 - Call to Order	8:00 - Spaced Out - CelestialSoundscapes
7:20 - Planet Report ~ D. Vacca	~Tech Break~
7:30 - More than Rocket Science~ D. Walker	8:10 - Guest Presenter: Paul Halpern
7:40 - MRO First Sights~ T. Williams	8:50 ~ Mystery Minute: Renee Stein
9:00 - Bloom Observatory weather permitting	

**Web Portal:** [www.RASPhilly.org](http://www.RASPhilly.org)  
**FaceBook:** RittenhouseAstronomy  
**Mailing Address:**

**Website:** <http://www.RittenhouseAstronomicalSociety.org>  
**Contact:** Info: 215-633-0604 [ttuu@comcast.net](mailto:ttuu@comcast.net)

RITTENHOUSE ASTRONOMICAL SOCIETY  
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Dr. Halpern's areas of expertise include the history of physics, cultural aspects of physics and theoretical astrophysics & cosmology. He is the author of numerous books and was the recipient of a Guggenheim Fellowship in 2002. He was among 184 artists, scholars and scientists nationally selected to receive a fellowship from more than 2,800 applicants for awards totaling \$6,750,000. Guggenheim Fellows are appointed on the basis of distinguished achievement in the past and exceptional promise for

future accomplishment. He used the fellowship award to examine the history of the notion of higher dimensions in science, as well as the impact of this idea upon popular culture. His research, "The Concept of Dimensionality in Science," covered the period from the mid-19th century, when the idea of the fourth dimension was first introduced, until the late 20th century, when scientists developed 10 and 11 dimensional models of the universe.



**DATES TO REMEMBER:**

**October 7, 2017**

*Re-Opening of Muddy Run  
Observatories  
Rain or Shine Event 7:00 PM  
Focus: Astronomical Diversity*

**October 21, 2017**

*Public Star Watch with West Jersey  
Astronomers ~ Batsto Village  
Wharton State Forest NJ*

**November 18, 2017**

*Muddy Run Observatories  
Public Star Watch  
Rain or Shine Event 7:00 PM*