

# This Month in **P H Y S I C S**

Jan 2023 // Vol 1

## **Upcoming Events**

### **January Meeting**

January 17th at 5:00 pm  
Northside 0063

Join us as we continue to prepare for Science Alive as well as discuss new events for the coming semester.

### **Conference for Undergraduate Women in Physics (CUWIP)**

This year we have three students attending CUIWiP (January 20-22). We are excited to hear about what they'll learn about at the February meeting.

### **Science Alive**

Physics Club will be participating in Science Alive through the St. Joseph Public Library on February 11, 2023, 10 am - 4 pm. Currently, we are developing a scavenger hunt to teach young learners about data extraction and analysis. If you are interested in volunteering at this event, please reach out to Emilee Edmonds, at [emiledmo@iu.edu](mailto:emiledmo@iu.edu).

### **Dodgeball**

February 28, 4:00 - 5:30 pm  
Left Rec Court in the SAC  
All are welcome!  
RSVP on Titan Atlas soon

## **Welcome to the Physics Club newsletter!**

Welcome to the physics club monthly newsletter! This year the leadership team has decided to dedicate a considerable amount of effort to spreading word about the opportunities happening on campus and in the community related to learning about and getting involved with physics education. Alongside greater use of Titan Atlas, we are hoping to use a newsletter released at the beginning of each month to better spread awareness about opportunities.

**If you would like to submit physics related news or ideas that you are interested in seeing in the next newsletter, please email Physics Club co-President, Emilee Edmonds, at [emiledmo@iu.edu](mailto:emiledmo@iu.edu)!**

## **The deadline to apply for National Science Foundation (NSF) Research Experiences for Undergraduates (REU) is approaching.**

Every summer the NSF funds research opportunities for undergraduate students outside of their home institution. This funding includes a stipend that supports living expenses, food, and travel for the student. Students in their Freshman, Sophomore, or Junior year are eligible to apply for research opportunities that are of interest to them. Consider browsing the available opportunities at: [https://www.nsf.gov/crssprgm/reu/reu\\_search.jsp](https://www.nsf.gov/crssprgm/reu/reu_search.jsp)

# Meet the Physics Club Leadership Team

## Presidents

Preston Porter and Emilee Edmonds are serving as co-presidents of Physics Club for this academic year.



Preston is a senior majoring in Physics with a minor in Mathematics. Emilee is a junior majoring in Physics and Mathematics with a minor in Earth and Space Science.

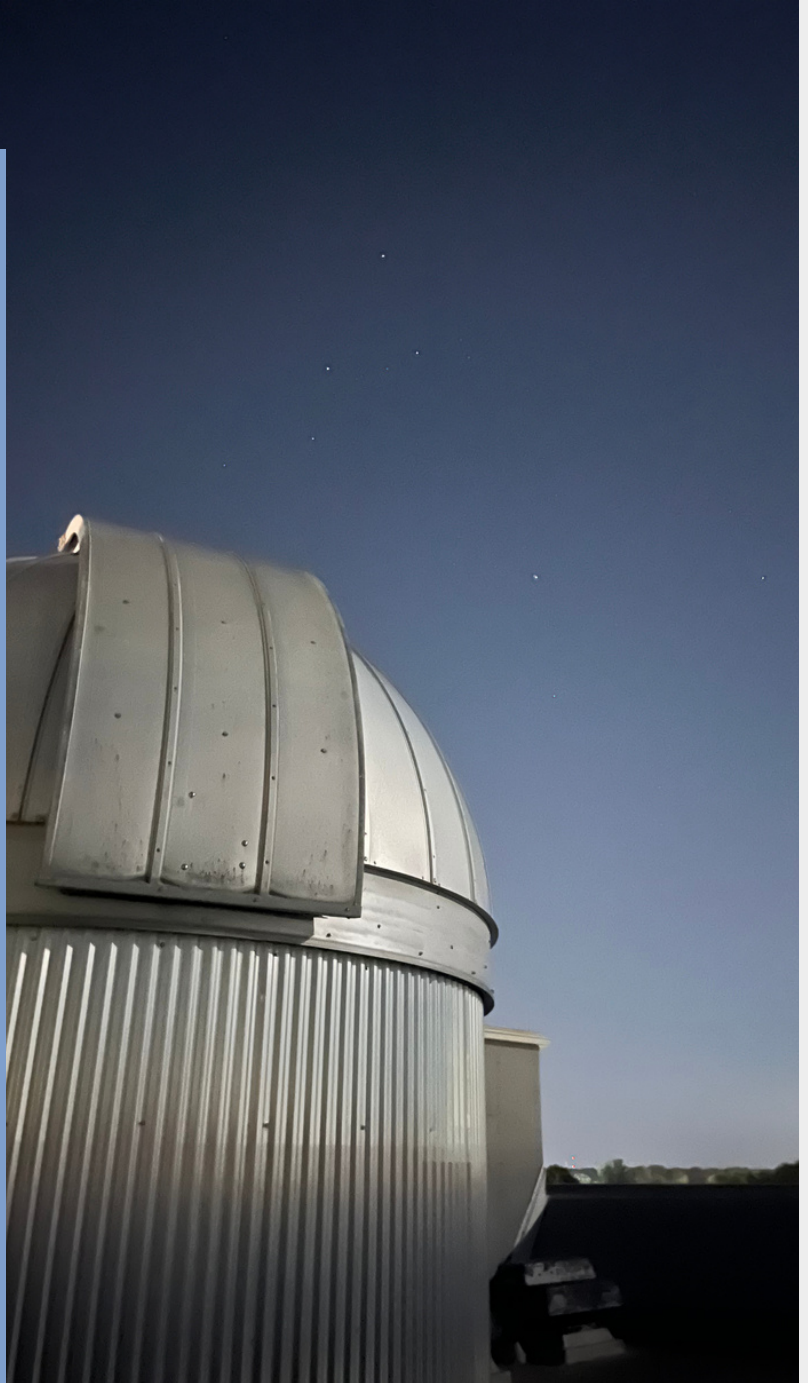
## Treasurer



Joel Rael is serving as Treasurer for his second year. He is a junior majoring in Biochemistry and Mathematics.

## Secretary

Phillip Derrickson is serving as secretary. He is a junior majoring in Physics with minors in Creative Writing, Earth and Space Science, History, and Mathematics



*Photo of the Northside  
Observatory taken  
9/8/22.*



# Fall 2022 Campus Engagement Opportunities

**Welcome Fair Tabling (8/22/22):** Physics Club started the year strong with a proud presence at the campus-wide welcome week fair on the mall. The booth received steady traffic throughout the six hour event and club leadership was able to interact with a variety of campus and community members many of whom signed up to stay informed of our future events. Special thank you to Dr. Henry Scott who worked with us to sign-up for this event and prepare engaging demonstrations to have at our table.

**Meet the Stars (9/14/22):** We hosted our first observatory night this academic year and under new leadership. Overall, the night was a huge success, and we had the opportunity to reach out to the connections we made during welcome week.

**Physics Club Kick-off Meeting (9/15/22):** At this introductory meeting, Physics Club hosted over 20 students. In a presentation led by Physics Club Co-President, Preston Porter, we discussed new plans for the upcoming semester including club events, new t-shirts, and a travel opportunity. This opened a great opportunity to start building a strong community within the club and its members.

**Spirit Week Window Painting (10/03/22):** As part of Spirit Week hosted by IU South Bend Student Life, clubs were invited to participate in window painting in both the University Grill and outside the Hammes Bookstore in Northside Hall. Physics club members Emilee Edmonds, Ethan Moody, and Preston Porter worked together to participate in this activity. By October 3rd, the window outside the bookstore sported a beautiful solar system mural and the Grill had a window displaying the Physics Club name and physics related depictions.

**Meeting with Bender Scholar, James Hansen (10/06/22):** As part of the Contemporary Physics Seminar (PHYS-S 106), the class, Physics Club members, and Honors students had the opportunity to meet with James Hansen to hear about his research in climatology and ask questions about his perspectives.

## Welcome Fair Tabling



## Kick-off Meeting



## Window Painting



**John Adams Observatory Tour (10/24/22):** It was a pleasure to have hosted high school students from the Astronomy class at John Adams High School across the street from the IU South Bend campus. Although it was cloudy, Dr. Jerry Hinnefeld gave the students an in-depth tour of the observatory and its technology followed by a powerpoint presentation covering images he had taken on prior observation nights. We are excited to continue building a strong connection with the John Adams Physics Department to host similar events again in the future!

**Gas Giants Night // a Meet the Stars Event (11/9/22):** At this public observatory night, physics club welcomed over 50 people to view Jupiter, Saturn, Uranus, and Neptune through the telescope on the roof of Northside. At this event, 84.6% of our attendees were not members or faculty of the Physics Department indicating that we successfully advertised this event to the public. Additionally, 8% of attendees were high school aged or younger. Overall, the Physics Club Leadership Team is excited with the unexpected turnout and hoping to continue that trend at our future events.

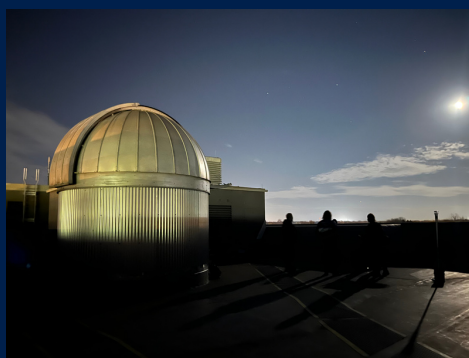
**Physics Club November Meeting (11/15/22):** At this we introduced outreach opportunities on campus and in the community, improvements we're hoping to make in the observatory for Meet the Stars events, and took suggestions for this year's club T-Shirt.

**Physics Club Semester Wrap-Up (12/7/22):** We returned to old business by once again looking at the design changes to this year's T-Shirt design. Then, we spent time exploring Phyphox in preparation for our participation in Science Alive as well as working to assemble the eclipse themed Science Outreach Catalyst Kit sent to us by the Society of Physics Students.

## Meeting with Dr. Hansen



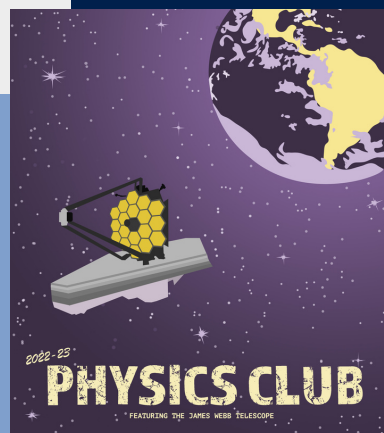
## Gas Giants Night



## Physics Club T-Shirt Design

The Leadership Team has worked tirelessly to finalize a T-shirt design that covers our astronomy theme while also taking into account feedback we received at our November meeting.

More information will be released at upcoming meetings!



**Left:** design printed on the back of the shirt

**Right:** design printed on the front left pocket of the shirt

