



SOCIETY OF PHYSICS STUDENTS

An organization of the American Institute of Physics

Future Faces of Physics Award Report

Instructions: Please complete each section after reading the purple text describing what should be in that section. Then delete the purple text.

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| Project Proposal Title | Future Face of Physics Trivia for Underrepresented Groups |
| Name of School | University of North Alabama |
| SPS Chapter Number | 4815 |
| Project Lead (name and email address) | Madison Guth mguth@una.edu |
| Total Amount Received from SPS | \$281.92 |
| Total Amount Expended from SPS | \$281.92 |

Summary of Award Activity

The executive panel of the University of North Alabama chapter of the Society of Physics Students collaborated with the UNA Mitchell-West Center for Diversity and Inclusion to host “Women in Physics” trivia night on February 28, 2023. This trivia night event highlighted many contributions made by women and other under-represented minority groups to the fields of astronomy and physics. We used the funding that we received from the SPS to purchase prizes for the top-scoring participants. The winners received prizes like moon lamps, Newton’s Cradles, and Marie Curie posters. Attendance was a bit lower than expected, but the participation and cooperation of the Inclusion Center was excellent. Our chapter will definitely consider hosting something similar on campus in the future.

Statement of Activity

The entire Statement of Activities should be no more than 3 pages, and organized as follows.

Overview of Award Activity

The Overview should be a more detailed description of the proposed project/activity/event than the Summary.

This section should include:

- **Brief description – What did the project look like?** Trivia night held in the GUC Loft on February 28, 2023 at 6pm. We set up tables and showed the trivia presentation/game questions with a projector. We had people write down their answers and collected the answer sheets at the end of each of four rounds. At the end, attendees got to pick their prizes.
- **Audience – Who was the target audience and how many people were impacted?** UNA STEM students and faculty. (roughly 10 people)
- **Context of the Project – How did the project fit in with the other activities of the SPS chapter and department?** It helped showcase that the chapter and the University of North Alabama's Physics program is committed to the advancement of the field and promoting it to be more accessible and inclusive. Despite the challenges of a very small department, Dr. Blake and the UNA SPS chapter truly does the best it can to provide its students with the knowledge and tools to become successful in the field. Our collaboration with Dr. Hunt and the MWCSI at UNA solidified future collaborations and partnerships to promote physics and astronomy to the UNA population.

Impact Assessment: How the Project/Activity/Event Promoted Physics across Cultures

Our primary goal in organizing the trivia night was to help promote awareness and knowledge of how traditionally under-represented groups have helped shape the fields of physics and astronomy. We collaborated with the Mitchell-West Center for Social Inclusion and pointed out inclusion and diversity resources on the UNA campus. We also illustrated that our chapter is committed to truly making physics and astronomy more accessible and inclusive. In that, we were largely successful, as many attendees expressed how informative the trivia questions were to them. Some example trivia questions included biographies and achievements made by L. Frank Kameny, Celia Payne, Katherine Johnson, Shirley Ann Jackson, John Bennett Harrington, and many more.

Impact Assessment: How the Project/Activity/Event Influenced your Chapter

Our executive member in charge of the event, Madi, planned the event diligently and collaboratively organized the trivia night with the faculty advisor, Dr. Blake, as well as worked with Dr. Andrea Hunt, the executive director of the Mitchell-West Center for Social Inclusion on the UNA campus. This event gained

our small chapter two new members, one of whom attended the trivia night. Additionally, it helped the executive committee gain leadership and project organizing experience.

Key Metrics and Reflection

Please answer the questions below. Please indicate if a question is not applicable to your project.

| | |
|--|--|
| <p>The Future Faces of Physics Award is designed to promote projects that cross cultures. What cultures did your project attempt to bring together? (Please be as specific as possible.)</p> | <p>Our event promoted physics and astronomy to women, LGBTQIA+, African-Americans, and Native Indigenous groups by highlighting achievements/contributions made in astronomy and physics by members of respective groups.</p> |
| <p>How many attendees/participants were directly impacted by your project? Please describe them (for example “50 third grade students” or “10 high school volunteers”).</p> | <p>8 people were in attendance: 5 UNA students UNA SPS Chapter Advisor 2 executives on behalf of the UNA MWC for Social Inclusion</p> |
| <p>How many students from your SPS chapter were involved in the activity, and in what capacity?</p> | <p>4 students</p> |
| <p>Was the amount of money you received from SPS sufficient to carry out the activities outlined in your proposal? Could you have used additional funding? If yes, how much would you have liked? How would the additional funding have augmented your activity?</p> | <p>The amount of funding we received was sufficient for our event. It covered the cost of prizes/freebies.</p> |
| <p>Do you anticipate repeating this project/activity/event in the future, or having a follow-up project/activity/event? If yes, please describe.</p> | <p>Yes, our chapter intends to hold more trivia nights in the future!</p> |
| <p>What new relationships did you build through this project?</p> | <p>This event strengthened our chapter’s relationship with the Mitchell-West Center for Diversity and Inclusion, and we look forward to collaborating with them for future events.</p> |
| <p>If you were to do your project again, what would you do differently?</p> | <p>Everything was well-planned, as the executive committee for our chapter began preparation for the event in November 2022. Perhaps we will be a bit more diligent in promotion of the event next time.</p> |

Press Coverage (if applicable)

Expenditures

We used the money received from the SPS to purchase the trivia prizes as well as SPS stickers to hand out to all attendees. Prizes included moon lamps, coloring books, Newton's Cradles, and Marie Curie posters.

Expenditure Table

| Item | Please explain how this expense relates to your project as outlined in your proposal. | Cost |
|-----------------------------------|--|-----------------|
| Moon Lamp x4 | Trivia prize | \$119.96 |
| SPS Marie Curie Poster x4 | Trivia prize | \$24.00 |
| Newton's Cradle x4 | Trivia prize | \$79.96 |
| SPS Cow Sticker (50 pack) | Given to all attendees and collaborators; extras will be given out at future SPS activities on campus. | \$20.00 |
| Women in Physics Coloring Book x4 | Trivia Prize | \$38.00 |
| Total of Expenses | | \$281.92 |

Activity Photos

Please include captions and credits for each photo. By including photos below, you are giving SPS and the American Institute of Physics permission to use these photos in their online and printed publications.

Note that you will be encouraged to upload high resolution copies of your best photos directly to SPS via the FluidReview site when you submit your report.



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If you have any questions, please contact the SPS National Office Staff
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