

# MARSH W. WHITE

## AWARD RECIPIENTS

### 1997-98

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA  
Natchitoches, LA

Gary White, Faculty Advisor  
*"Facets of Geometry"*

HAWAII AT MANOA, UNIVERSITY OF  
Honolulu, HI

Pui Lam, Faculty Advisor  
*"Physics Olympics"*

HENDRIX COLLEGE  
Conway, AR

John Neumann, Faculty Advisor  
*"Physics Awareness Week"*

WISCONSIN-PLATTEVILLE, UNIVERSITY OF  
Platteville, WI

Jerome J. Wilson, Faculty Advisor  
*"Physics is Phascinating"*

KANSAS STATE UNIVERSITY  
Manhattan, KS

Brett DePaola, Faculty Advisor  
*"Kansas Near Space Project"*

### 1998-99

ERSKINE COLLEGE

Due West, SC  
William Junkin, III, Faculty Advisor  
*"Foucault Pendulum for New Science Facility"*

INDIANA UNIVERSITY

Bloomington, IN  
Rick Van Kooten, Faculty Advisor  
*"Cosmic Song"*

JUNIATA COLLEGE

Huntingdon, PA  
James Borgardt, Faculty Advisor  
*"Physics Phun Night"*

SOUTH CAROLINA, UNIVERSITY OF

Orangeburg, SC  
David Tedeschi, Faculty Advisor  
*"Physics Day at the South Carolina State Fair"*

### 1999-2000

GEORGIAN COURT COLLEGE

Lakewood, NJ  
Anne Tabor-Morris, Faculty Advisor  
*"Recreational Fun with SPS"*

HAWAII AT MANOA, UNIVERSITY OF

Honolulu, HI  
Pui Lam, Faculty Advisor  
*"Miniature Solar Power Robotics Competition for High School Students"*

INDIANA/PURDUE UNIVERSITY, FORT WAYNE

Fort Wayne, IN  
Mark F. Masters, Faculty Advisor  
*"Spring Science: A Contest Day for Local Area High School Students"*

VIRGINIA TECH

Blacksburg, VA  
Jerome R. Long, Faculty Advisor  
*"Africa Physics Outreach"*

WISCONSIN-PLATTEVILLE, UNIVERSITY OF  
Platteville, WI

Jerome J. Wilson, Faculty Advisor  
*"The Physics is Phar Out Phunshop: A Society of Physics Students Science Workshop for Grade School Children"*

### 2000-2001

GEORGIAN COURT COLLEGE

Lakewood, NJ  
Anne Tabor-Morris, Faculty Advisor  
*"More Recreational Fun with SPS"*

IDAHO STATE UNIVERSITY

Pocatello, ID  
Kara J. Keeter, Faculty Advisor  
*"Centennial Tesla Coil"*

LOUISIANA TECH UNIVERSITY

Ruston, LA  
Lee Sawyer, Faculty Advisor  
*"How to Create Fun (and Award Winning) Science Projects"*

NORTH CAROLINA STATE UNIVERSITY

Raleigh, NC  
John M. Blondin, Faculty Advisor  
*"Student-to-Student"*

NORTHWESTERN STATE UNIVERSITY

Natchitoches, LA  
Gary White, Faculty Advisor  
*"Laser Light Demonstration in the 'Rainbow Room'"*

RHODES COLLEGE

Memphis, TN  
Brent Hoffmeister, Faculty Advisor  
*"Astronomy Open House Series"*

SAN DIEGO STATE UNIVERSITY

San Diego, CA  
Matthew E. Anderson, Faculty Advisor  
*"Fun with Optics"*

SOUTHWEST MISSOURI STATE UNIVERSITY

Springfield, MO  
Robert E. Thurman, Faculty Advisor  
*"Developing an Understanding of Physics Through Demonstration"*

WISCONSIN-PLATTEVILLE, UNIVERSITY OF

Platteville, WI  
Jerome J. Wilson, Faculty Advisor  
*"Physics is Phascinating: A Science Presentation to Students"*

### 2001-2002

ALBANY, UNIVERSITY OF

Albany, NY  
Donna Collins, Faculty Advisor  
*"Physics Is Phun"*

MARQUETTE UNIVERSITY  
Milwaukee, WI  
John Karkheck, Faculty Advisor  
*"Medieval Trebuchet"*

NEW MEXICO INSTITUTE OF MINING & TECHNOLOGY  
Socorro, NM  
Ken Eack, Faculty Advisor  
*"A Trebuchet for Physics Demonstrations"*

NORTH CAROLINA-ASHEVILLE, UNIVERSITY OF  
Asheville, NC  
Randy Booker, Faculty Advisor  
*"SPS Outreach Catalyzed Kits"*

OLD DOMINION UNIVERSITY  
Norfolk, VA  
Gary E. Copeland, Faculty Advisor  
*"A Higher-Tech Pumpkin Drop"*

RHODES COLLEGE  
Memphis, TN  
Brent Hoffmeister, Faculty Advisor  
*"Outreach Project"*

SKIDMORE COLLEGE  
Saratoga Springs, NY  
Jill Linz, Faculty Advisor  
*"Falling Bodies"*

WISCONSIN-PLATTEVILLE, UNIVERSITY OF  
Platteville, WI  
Jerome J. Wilson, Faculty Advisor  
*"Physics is Phantastic" a Science Presentation to Students*

## 2002-2003

AUGUSTANA COLLEGE  
Rock Island, IL  
Cecilia Vogel, Faculty Advisor  
*"Community Outreach Activities"*

IOWA, UNIVERSITY OF  
Iowa City, IA  
Thomas Boggess, Jr., Faculty Advisor  
*"Fun Physics You Can See: Lasers, Holograms, and Spectroscopy"*

MORAVIAN COLLEGE  
Bethlehem, PA  
Ed Roeder, Faculty Advisor  
*"Bringing Fun Physics to the Elementary School"*

MOUNT HOLYOKE COLLEGE  
South Hadley, MA  
Orin Hoffman, Faculty Advisor  
*"The Power of Light"*  
ROWAN UNIVERSITY  
Glassboro, NJ  
Sam Lofland, Faculty Advisor  
*"A Shocking Physics Presentation"*

VIRGINIA TECH  
Blacksburg, VA  
Jerome Long, Faculty Advisor  
*"Physics Fun Fair"*

WESTMINSTER COLLEGE  
New Wilmington, PA  
Craig Caylor, Faculty Advisor  
*"Every Day Physics: Exploring the Microwave Oven"*

WISCONSIN-LA CROSSE, UNIVERSITY OF  
La Crosse, WI  
Michael Jackson, Faculty Advisor  
*"The Physics and Laser Light Extravaganza Outreach Program"*

WISCONSIN-RIVER FALLS, UNIVERSITY OF  
River Falls, WI  
Earl Blodgett, Faculty Advisor  
*"Teddy Bear Centrifuge Carnival Ride: Demonstrating a Frictional Force Produced by a Centripetally Directed Normal Force"*

WOOSTER, COLLEGE OF  
Wooster, OH  
John Lindner, Faculty Advisor  
*"Electrifying Elementary Students with Electromagnetism"*

## 2003-2004

ANGELO STATE UNIVERSITY  
San Angelo, TX  
Toni D. Sauncy, Faculty Advisor  
*"The SPS Peer Pressure Team: Enhancing Attitudes About Science with Bernoulli and Pascal"*

BALL STATE UNIVERSITY  
Muncie, IN  
David Grosnick, Faculty Advisor  
*"Fisiks is Phun: Taking Physics to the Middle Schools"*

CARTHAGE COLLEGE  
Kenosha, WI  
Jean M. Quashnock, Faculty Advisor  
*"Great America Physics: Roller Coaster Rally"*

CHICAGO STATE UNIVERSITY  
Chicago, IL  
Justin Akujieze, Faculty Advisor  
*"Physics for Your Future"*

UNIVERSITY OF FLORIDA  
Gainesville, FL  
Yoonseok Lee, Faculty Advisor  
*"Physics on Fire"*

INDIANA UNIVERSITY OF PENNSYLVANIA  
Indiana, PA  
Muhammad Numan, Faculty Advisor  
*"Laser Maze and Sling Shot Upgrade for IUP Physics Olympics"*

METROPOLITAN STATE COLLEGE OF DENVER  
Denver, CO  
Richard Krantz, Faculty Advisor  
*"SPS Community Physics Education Program"*

UNIVERSITY OF NEVADA-RENO  
Reno, NV  
Dr. Katherine McCall, Faculty Advisor  
*"Taking Physics on the Road"*

ST. MARY'S UNIVERSITY  
San Antonio, TX  
Dr. Olga Lobban, Faculty Advisor  
*"Traveling Physics Shows"*

SOUTH DAKOTA STATE UNIVERSITY  
Brookings, SD  
Dr. Oren Quist, Faculty Advisor  
*"Fundamentally Physics: Elementary Educational Outreach Program"*

UNIVERSITY OF UTAH  
Salt Lake City, UT  
**John DeFord, Faculty Advisor**  
*SPS Physics Outreach*

UNIVERSITY OF WISCONSIN—STEVENS POINT  
Stevens Point, WI  
**Greg Taft, Faculty Advisor**  
*“Rocket Launch”*

## 2004-2005

AUSTIN PEAY STATE UNIVERSITY  
Clarksville, TN  
**Spencer Buckner, Faculty Advisor**  
*“Physics in Focus”*

UNIVERSITY OF CALIFORNIA-SANTA BARBARA  
Santa Barbara, CA  
**Roger Freedman, Faculty Advisor**  
*“Shadow a Mad Scientist”*

CALIFORNIA STATE UNIVERSITY-CHICO  
Chico, CA  
**Dr. David Kagan, Faculty Advisor**  
*“World Year of Physics Oriented Pumpkin-Drop Activity”*

CALIFORNIA STATE UNIVERSITY-SACRAMENTO  
Sacramento, CA  
**William DeGraffenreid, Faculty Advisor**  
*“Bringing Physics to the Homeless and Less Fortunate”*

UNIVERSITY OF CENTRAL FLORIDA  
Orlando, FL  
**Costas Efthimiou, Faculty Advisor**  
*“Reel Physics”*

EASTERN MICHIGAN UNIVERSITY  
Ypsilanti, MI  
**Diane Jacobs, Faculty Advisor**  
*“Zap It!”*

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY  
Daytona Beach, FL  
**Phillip Anz-Meador, Faculty Advisor**  
*“The Albert Einstein Science Olympics”*

UNIVERSITY OF FLORIDA  
Gainesville, FL  
**Yoonseok Lee, Faculty Advisor**  
*“Rockets in Honor of Columbia and with Hope for Discovery”*

UNIVERSITY OF LOUISVILLE  
Louisville, KY  
**David N. Brown, Faculty Advisor**  
*“Catch a Wave, Any Wave”*

UNIVERSITY OF NORTH ALABAMA  
Florence, AL  
**Brian Thompson, Faculty Advisor**  
*“Circus of Little Experiments”*

NORTHWESTERN STATE UNIVERSITY  
Natchitoches, LA  
**David Mitchell, Faculty Advisor**  
*“Launch Technology Prior to the Space Age”*

UNIVERSITY OF WISCONSIN, PLATTEVILLE  
Platteville, WI  
**J.J. Wilson, Faculty Advisor**  
*“Physics is Phantastic Phunshop” -- A Workshop for Students*

## 2005-2006

BALL STATE UNIVERSITY  
Muncie, IN  
**Principal Proposers: Courtney Rowe-Bultinck & Melissa Bitters**  
**Faculty Advisor: David Grosnick**  
*“Fisiks is Phun”*

BRIGHAM YOUNG UNIVERSITY-UTAH  
Provo, UT  
**Principal Proposers: Michael Clemens, William Ashby, Benjamin Wheaton & Justin Paul**  
**Faculty Advisor: Bret Hess**  
*“Society of Physics Students Outreach Program”*

CALIFORNIA STATE UNIVERSITY-CHICO  
Chico, CA  
**Principal Proposers: Joel Amato & Justin Stimatze**  
**Faculty Advisor: David Kagan**  
*“The Rocket Trike: A Dramatic Outreach Demonstration”*

UNIVERSITY OF CENTRAL FLORIDA  
Orlando, FL  
**Principal Proposer: Erik Riley**  
**Faculty Advisor: Costas Efthimiou**  
*“Reel Physics”*

UNIVERSITY OF COLORADO-COLORADO SPRINGS  
Colorado Springs, CO  
**Principal Proposer: Diana Haskins**  
**Faculty Advisor: Anatoliy Glushchenko**  
*“Light and Liquid Crystals: A Panoply of Color”*

UNIVERSITY OF CONNECTICUT  
Storrs, CT  
**Principal Proposers: Carolina Artacho Guerra & Kurt Doughty**  
**Faculty Advisor: Philip Best**  
*“UConn Physics Olympiad”*

ITHACA COLLEGE  
Ithaca, NY  
**Principal Proposer: Kevin Faehndrich**  
**Other Proposers: Melissa Gilbert, Maksim Sipoș, & Sweta Shah**  
**Faculty Advisor: Michael Rogers**  
*“Creating an Ithaca College SPS Circus”*

MARQUETTE UNIVERSITY  
Marquette, MI  
**Principal Proposers: Jennifer E. Bustamante & Eric Breitbach**  
**Faculty Advisor: Andrew Kunz**  
*“Honoring Tesla’s Dream of Wireless Electricity”*

MISSISSIPPI STATE UNIVERSITY  
Mississippi State, MS  
**Principal Proposers: Brad N. Barlow & Ronald J. Unz**  
**Faculty Advisor: James A. Dunne**  
*“Physics Focus on Mississippi”*

MORNINGSIDE COLLEGE  
Sioux City, IA  
**Principal Proposers: Brittany Cole & Elizabeth Kelly**  
**Faculty Advisor: Gary Turner**  
*“Physics in the Community”*

SEATTLE PACIFIC UNIVERSITY  
Seattle, WA  
**Principal Proposer: Taryn Arslan**  
**Faculty Advisor: Lane Seeley**  
*“Engaging High School Culture... The Physics of Magic”*

## 2006-2007

## ANGELO STATE UNIVERSITY

**Principal Proposers: Meagan Saldua and Jacob Spencer**

**Faculty Advisor: Dr. Toni Saucy**

*"Angelo State University SPS Peer Pressure Team Goes to Hollywood: Video Physics to Enhance Community Outreach Programs"*

Our SPS Chapter will produce a physics demonstration DVD and printed support materials to enhance the effectiveness of the established Peer Pressure Team (PPT) science outreach efforts. The goal is to provide K-12 teachers and students with a helpful and lasting tool that can be used for post-outreach visit follow up investigations or viewed when the PPT is not available.

## CALIFORNIA STATE UNIVERSITY, CHICO

**Principal Proposers: Nic Sanabria and Brendan Diamond**

**Faculty Advisor: Dr. David Kagan**

*"Absolute Zero at the Boys & Girls Club"*

The CSU Chico chapter of SPS requests financial aid in order to bring the wonders of physics to children of the city of Chico. This upcoming spring we will begin collaboration with the local Boys & Girls Club to present monthly physics lectures and demonstrations, targeted specifically to interest K-12 students in the broad and rewarding field of physics.

## COE COLLEGE

**Principal Proposers: Ben Franta, Trenton Edwards and Amy Marquardt**

**Faculty Advisor: Dr. Steven A. Feller**

*"Fifth Annual Playground of Science"*

Four years ago, the SPS chapter at Coe College initiated a new outreach event: the Playground of Science, an evening when the public is welcomed in to our academic and research facilities for a night of scientific exhibition. Since its inception, the Playground of Science has grown to include four departments and over 1,000 inquisitive guests per year observing and learning about phenomena and physical principles associated with the areas of optics, electricity and magnetism, mechanics, acoustics and more. With funding from the SPS national office, we can continue to improve and expand our demonstrations and our service to the public at large.

## COLORADO SCHOOL OF MINES

**Principal Proposers: Ryan Veirs, Colin Melvin, Brianna Rister and Jeremy Norman**

**Faculty Advisor: Dr. Chip Durfee**

*"Colorado Physics Bowl"*

The Society of Physics Students (SPS) in Golden, CO, sponsors an annual Physics Bowl inviting many high schools to compete in several different physics events. The event is normally held on a Saturday in the spring semester around April. In the past, SPS has had much success with this event. The planning has begun for this event and we are coming up with new ideas that are going to require more funding.

## DREXEL UNIVERSITY

**Principal Proposers: Jerome Mlack and Sarah Wall**

**Faculty Advisor: Dr. Roberto Ramos**

*"Low Temperatures, Levitation, and Legendary Experiments"*

We propose a series of physics demonstrations, with an emphasis on low temperature physics, to be presented to high school students in the spring of 2007, coinciding with the Absolute Zero Campaign. In addition to purchasing new demonstrations, we will utilize existing resources from the Drexel University Ultra-Low Temperature Lab.

## GEORGIAN COURT UNIVERSITY

**Principal Proposer: Leah Mazza**

**Faculty Advisor: Dr. A. Tabor Morris**

*"Fun with SPS"*

The Society of Physics Students (SPS) group at Georgian Court University is excited this year to participate in an outreach program in the surrounding high schools, middle schools and the Georgian Court University community. Our commitment to outreach is invigorating our SPS club to more fully develop a program using fun and interesting hands-on demonstrations. We have received the SPS Outreach Catalyst Kit (SOCK), but we would like to expand the program from just the materials that were provided in the kit.

## OHIO UNIVERSITY

**Principal Proposers: Rick Bond, Daniel Hoy, and David McCowan**

**Faculty Advisor: Dr. Alexander Neiman**

*"An After School Science Club for Elementary Students"*

In the 2005-06 school year, the Ohio University chapter of SPS began an outreach program with a local elementary school by creating a five week after school science club focusing on demonstrations and hands-on experimentation. This year, the chapter plans to improve the program by refining the five areas of focus (electricity, magnetism, light, chemistry, and temperature) with more effective activities, and expanding the program to include an additional short middle school project highlighting temperature.

## OHIO WESLEYAN UNIVERSITY

**Principal Proposers: Yun Kyoung Ryu and Stephanie Vasicek**

**Chapter Advisor: Dr. Robert A. Kaye**

**Faculty Advisor: Dr. Robert O. Harmon**

*"Ph3 —Physics Phun Phriday"*

One of the most effective ways to promote physics is providing fun and engaging demonstrations for high school students. We propose to do up to seven physics demos that we particularly like at local high schools. These events will not only promote interest in physics, but also build a good relationship between the community and Ohio Wesleyan University.

## SOUTH DAKOTA STATE UNIVERSITY

**Principal Proposers: James Galipeau and Matt Small**

**Faculty Advisor: Dr. Geoffrey Bonvallet**

*"Fundamentally Physics: Elementary Educational Outreach Program"*

We, the members of the Society of Physics Students, South Dakota State University chapter, are currently developing a physics-based curriculum designed to promote physics appreciation while educating the greater Brookings community, specifically the students in the Brookings public schools through interactive lectures and participatory demonstrations.

## TEXAS STATE UNIVERSITY

**Principal Proposer: Hui-Yiing Chang**

**Faculty Advisor: Dr. David Donnelly**

*"Constructing Models for Austin Science Fun Day"*

SPS students will assist junior high students from the San Marcos Consolidated Independent School District in their preparation for a competition at Austin Science Fun Day. The students will be guided through a systematic process of constructing their models and presenting their experimentation that encourages learning in experiential ways and using creativity.

## THE COLLEGE OF WOOSTER

**Principal Proposers: Danny Tremblay and Daniel Shai**

**Faculty Advisor: Dr. John F. Lendner**

*"Light and Optics Outreach for Elementary Schools"*

We would like to expand our successful outreach program for children in grades two to five with a light and optics demonstration. We would discuss visible light as part of a much larger spectrum of light and illustrate various facets of light and optics such as lasers, polarization, holograms, fiber optics, and mirrors.

## YESHIVA UNIVERSITY

**Principal Proposer: Dovid Skversky**

**Faculty Advisor: Dr. Gabriel Cwilich**

*"Bringing Physics to New Heights—Physics outreach to local public schools in Washington Heights, New York"*

Yeshiva University is located in Washington Heights in New York City, however the students have almost no interaction with the surrounding local residents. The Yeshiva University Physics and Engineering Club (YUPEC) hopes to change that, and at the same time, raise interest among the inner-city public school students in college and the sciences. We have identified five public middle and high schools within a ten block radius which we hope to be in contact with about visually stimulating physics demonstrations.

## 2007-2008

AUGUSTANA COLLEGE, ROCK ISLAND, NY

**Principal Proposers: Jacob Wietting, Laura Luloff and Gabriel Caceres****Faculty Advisor: Dr. Cecilia Vogel, PhD***"Acoustical Air"*

The purpose of the Acoustical Air exhibits is to demonstrate the ways sound waves affect the air around us. The exhibitions will be transported from the Augustana College Physics Department to local public schools in order to demonstrate the different ways we can observe the interaction between sound and the physical environment around us.

DREXEL UNIVERSITY, PHILADELPHIA, PA

**Principal Proposers: Vede Ramdass and William Stephenson****Faculty Advisor: Roberto Ramos***"Physics in Philly: Engaging and Enlightening Experiments for High School Students"*

The Society of Physics Students from Drexel University proposes a series of outreach experiments and demonstrations aimed at educating high school students in the Philadelphia area about various principles of physics. We intend to display these experiments in a fun and engaging way, many of which include hands-on participation from the students. The experiments will introduce the students to some of the basic principles of physics and explain practical applications of such principles.

UNIVERSITY OF LOUISVILLE, LOUISVILLE, KY

**Principal Proposers: Blakesley Burkhardt, David W. Miller, Albert Bolander and Ben Snook****Faculty Advisor: Dr. David Brown***"Ruben's Tube: The Physics of Rock!"*

We propose to build and operate a Ruben's Tube in order to demonstrate the physics of sound to elementary through high school students and inspire them to study physics. A Ruben's Tube brilliantly combines music and fire, both of which captivate young people, to create an enlightening visualization of wave phenomena.

MILLIKIN UNIVERSITY, DECATUR, IL

**Principal Proposer: Andrew Schenk****Faculty Advisor: Dr. Casey R. Watson***"High School Physics Day at Millikin University"*

High School Physics Day (HSPD) is an event that will bring together hundreds of students from central Illinois to take part in a series of physics competitions. HSPD will provide a wealth of opportunities for students to showcase their understanding of physics and to interact with peers in the field.

MOUNT SAN ANTONIO COLLEGE, WALNUT, CA

**Principal Proposer: German Monroy, Carlos Leal, Vinai Choen and Benjamin Chu****Faculty Advisor: Martin Mason***"Rapid Robotics! Using Robotics to Encourage Students to Study Physics"*

Robotics competitions have dramatically increased interest in SPS on campus and resulted in increased participation in all activities. One of the impediments to increased student participation in the robotics competitions is lack of funding for students to build their own robots. With sufficient funding, Mt. Sac SPS could provide materials and mentoring to get more students involved.

OHIO WESLEYAN UNIVERSITY, DELAWARE, OH

**Principal Proposer: Rachel Decker****Faculty Advisor: Robert O. Harmon****SPS Advisor: Robert A. Kaye***"Ph3 (Physics Phun Phriday): High-School Edition"*

One of the most effective ways to promote physics is providing fun and engaging demonstrations for high school students. We propose to do up to seven physics demos that we particularly like at local high schools. These events will not only promote interest in physics, but also build a good relationship between the community and Ohio Wesleyan University.

PENN STATE UNIVERSITY, UNIVERSITY PARK, PA

**Principal Proposers: Therese Jones, SPS Sec. and Outreach Coordinator****Chapter Advisor: Dr. Richard Robinett***"Physics Day"*

The Penn State SPS chapter proposes to hold a Physics Day in conjunction with the University's Space Day and Bio Days, held on a Saturday in late April. Geared toward children in elementary-middle school, Physics Day will be a series of eight stations that teach children about physics as they travel on a mission to the moon. They will learn basic physics principles in mechanics, electricity, optics, and spectroscopy as they complete this endeavor.

RANDOLPH COLLEGE, LYNCHBURG, VA

**Principal Proposers: Kacey Meaker and Wai Sze Cheung****Faculty Advisor: Peter Sheldon***"Physics Day for 3rd-6th Graders"*

Our chapter will hold a Physics Day for local 3rd-6th graders in March 2008. The day will consist of five hours of hands-on physics activities on a Saturday afternoon, organized and run by student volunteers from the college under the supervision of physics and education faculty. The purpose of the science day is to educate and get children excited about physics.

ROWAN UNIVERSITY, GLASSBORO, NJ

**Principal Proposers: Lucas Willis and Patrick Hann****Faculty Advisor: Sam Lofland**Interim Project Report: *"Physics Phun"*

In previous years, our physics outreach program has consisted of small demonstrations performed at local high schools. We now wish to reach to schools outside of our county, and into neighboring counties, as well as to nearby schools in Delaware which were attended by some of our students.

ST. MARY'S UNIVERSITY, SAN ANTONIO, TX

**Principal Proposer: Sarah Rozinek, Chris Flores, Gina Buffaloe and Irma Ramirez****SPS Advisor: Olga Lobban***"Fiesta of Physics"*

The St. Mary's University SPS chapter proposes to use awarded funds for the purchase of materials and equipment to build a demonstration involving a Tesla Coil and a Faraday Cage. This demonstration will be presented on the St. Mary's University campus for a public audience in order to demonstrate the laws of physics to anyone interested in enriching their mind.

UNIVERSITY OF TEXAS-ARLINGTON, ARLINGTON, TX

**Principal Proposers: Kenneth Crawford and Randall G. Bradshaw****SPS Advisor: Dr. Ramon E. Lopez***"A Community-Oriented SPS Chapter: The Physics Circus"*

The SPS chapter at the University of Texas at Arlington wants to build demonstrations to establish a Physics Circus. SPS will utilize student volunteers to present the demonstrations, while learning themselves from the preparation of the demonstrations. We plan to purchase materials to enable us to construct six different demonstrations.

TEXAS STATE UNIVERSITY IN SAN MARCOS, SAN MARCOS, TX

**Principal Proposers: Seth Spiegel****Faculty Advisor: Dr. David Donnelly***"Demonstration Team"*

Outreach to encourage interest in physics is a key component in the goals of SPS. One of the most successful ways to promote physics is through demonstrations that encourage fun and interactive learning at local schools. For this reason we propose to fund some new demonstrations for the schools in San Marcos, TX, and surrounding areas.

UNIVERSITY OF WISCONSIN-PLATTEVILLE, PLATTEVILLE, WI

**Principal Proposers: Justin Reeder, Josh Duran, Ben Rickman, Mike Johaneck, and Josh Grueter****Faculty Advisor: Jerome J. Wilson***"Physics is Phantastic Phunshop 2008"*

The U.W. Platteville Society of Physics Students is putting on our 9th Annual Physics is Phantastic Phunshop Workshop. This event invites 6th Grade students from 25 area schools to spend a day participating in physics workshops and demonstrations. This year we would like to incorporate the physics of rocketry into our workshops.