



**The Reunion
Of:
THE SCIENCE ORGANIZATIONS**

PROGRAM

Time: 12:00 noon – 12:50 pm

Location: Pope Room 2

Date: Wednesday, September 24, 2008

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Lunch is served upon entering. We have some white rice, Popeye chicken (crispy-white mild or hot), & French Fries. Sodas: Iced tea, 7-up, Pepsi, Fruit Punch, or Tropicana Lemonade.

During the Dessert Session, we have some strawberry pie, and a nice-looking cake.

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(12:00 noon-12:05 pm)

Introduction to Advisors.....p.2
(12:05-12:10 pm)

Brief Description of Club participants.....p.3
(12:10 pm-12:15pm)- (Includes Website & Officer Information)

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What is the future looking like for science? Is there a possibility to get all the sciences together? How can we all work together as a TEAM?
(12:15 pm-12:25 pm)

Dessert Session.....p.5
(12:25 pm-12:40 pm)- (*Cake will be served*)

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Introduction to Reunion Meeting by Presidents

Hello Members of Society of Physics Students, Collins Chemistry Society, Mendel Biology Society, & Tribetal Biological Honor Society. Welcome to our first science reunion.

Today's meeting will focus on getting to meet new faces, and to establish relationships with other organizations. Everyone has similar goals in their organizations when it comes to science. We all study different areas, but our main goal is to influence the college community to get involved in the science fields, whether that is: physics, chemistry, or biology. It's our duty as member to reach out and tell each other one thing: "We are all in these organizations because we want to make a difference in the world by bringing physics, chemistry, and biology together into one big science that all can be a part of.

This meeting will not only establish relationships with other members, but it will brighten our understanding of what science is all about. The word 'science' means so many things. One meaning that we can all relate to is this one: Science is the systematic study of anything that can be examined, tested, and verified. So, this means that we need concentrate on examining the world to verify that the concepts explained in physics, chemistry, or biology are correct. In doing so, we should not only focus in one area, we need to study the problem as a Team. Going to conferences, visiting universities, having discussions among members, bringing presenters, watching videos on current events, doing outreach, getting a collection of new books for members to look at, having study sessions for students who need help, and most importantly learning from each other is the key to understanding the world. If we can do all these things as a Team, our life will have meaning, and in later years it will always be a part of us. Many organizations focus on becoming better, getting more members, and being on top. Our organizations should focus on reuniting the sciences, working together as a Team, solving mysteries about the world, and becoming productive members in the science community. It's so much fun to be a united, because you learn from the experience. Some organizations do have more members than others, but they lack the passion and goodwill to work as a Team. While other organizations have fewer members, but have a strong passion for what they put together, and it's seen when you come to a meeting.

When we all leave this meeting, have one thing in mind: "Isn't better to have a meeting together will all the science organizations in one room, eating together, talking with one another sharing ideas back and forth? Or

Is it preferred to not work with others, not eat together, not to socialize, and to have your ideas not be shared with others in the science community?

Well, whichever question you choose to answer, just know one small think: $E = mc^2$
- This is perhaps the most famous equation in the world. Do you know that physicists, chemists, and biologists worked together to come with this equation? It happened not so long ago, today we find ourselves fighting with one another, and this is bringing an end to science: AS MEMBERS WE CAN'T LET THIS HAPPEN!!!

Advisor Information

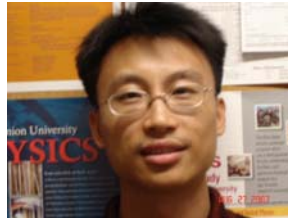
Dr. Jose L. Lopez, Ph.D. has served as an Assistant Professor of physics at Saint Peter's College from 2005 to present. He graduated from Saint Peter's College with a B.S. in Physics, & a minor in Biology in 2000. He's currently listed as class leader with Christie Shea, you can see the listing at: <http://www.spc.edu/pages/649.asp>

Since his coming to Saint Peter's College, he has accomplished so much and believes that the future is in science. He is the advisor for the Society of Physics Students, Sigma Pi Sigma, and the Collins Chemistry Society.



Dr. Wei-Dong Zhu, Ph.D. recently came last year from Stevens Institute of Technology to serve as an Assistant Professor of physics. Since his coming to Saint Peter's College, he has helped many students to realize their true potential in physics. He has pushed many students to work hard to accomplish their dreams and is a role model to many who had taken his general physics lecture class.

Today, he finds himself working with Dr. Jose Lopez to improve the physics program and get more students involved in the sciences. He also serves as the advisor for the Society of Physics Students & the Collins Chemistry Society. It's great to have him be a part of the experience.



Dr. Katherine S. Wydner, Ph.D. is currently an Associate Professor of Biology at Saint Peter's College. Over the years, she has helped many students to feel that passion she once found in biology. Many students can't help but say nice things about her because she's a role model to many people in her life. She is currently the advisor of the Mendel Biology Society.



Dr. Jeanette Wilmanski, Ph.D. currently serves as the advisor of the Tribeta Biological Honor Society. She graduated from Saint Peter's College with a B.S. in Biology.

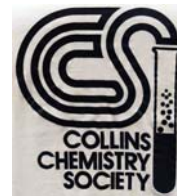


Member on

Collins Chemistry Society (CCS) - Membership shall be open to all students of Saint Peter's College. The organization shall have at least (1) moderator. It's important that all members come to the meetings to keep good standing and assist in student activities or community service projects. Members shall be expected to attend as many meetings as possible. The secretary of CCS should keep track of members in attendance, and report copies to the advisor and president of CCS.

Officers for 2008-2009: (Officers needed, please email djacome@spc.edu for more information)
Acting President, **David Jacome**

Website: <http://www.spc.edu/CCS>



Society of Physics Students and Sigma Pi Sigma (SPS) - The SPS exists to help students transform themselves into contributing members of the professional community. Course work develops only one range of skills. Other skills needed to flourish professionally include effective communication and personal interactions, leadership experience, establishing a personal network of contacts, presenting scholarly work in professional meetings and journals, and outreach services to the campus and local communities.

Officers for 2008-2009:
President, **David Jacome**
Vice-President, **Samik Adhikari**
Treasurer, **Ronald Maldonado**
Secretary, **Tony Maldonado**

Website: <http://www.spc.edu/SPS>



Mendel Biology Society (MBS) - The Mendel Biology Society is a student-run club. Although sponsored by the Biology Department, the club is open to students from any academic program within Saint Peter's College who are interested in topics relating to biology. The Mendel club strives to hold regular meetings, organizes social and educational activities, schedules special events, and helps support the Distinguished Lecture Series.

Officers for 2008-2009:
President, **Nadia Pasquale**
Vice-President, **Christina Clarke**
Treasurer, **Vijetha Reddy**
Secretary, **Justin Roberts**

Website: <http://www.spc.edu/pages/621.asp>



Tribeta Biological Honor Society-

- 3.3 GPA in Biology & General Cumulative for Regular member - lifetime dues - \$45.00
- 3.0 GPA in Biology & General Cumulative for Associate member - lifetime dues: \$35.00
- Completion of 3 or more Biology courses
- Copy of transcript

Officers for 2008-2009:
President, **Vijetha Reddy**
Vice-President, **Katherine Flores**
Treasurer, **Matt Swajkowski**
Secretary, **Jolie Hoppe**

Website: <http://www.spc.edu/pages/810.asp>



Discussion Session

What is the future looking like for science?

In the 20th century, scientists achieved spectacular advances in the fields of genetics, medicine, social sciences, technology, and physics.

Genetics- At the beginning of the 20th century, the life sciences entered a period of rapid progress. Mendel's work in genetics was rediscovered in 1900, and by 1910 biologists had become convinced that genes are located in chromosomes, the threadlike structures that contain proteins and deoxyribonucleic acid (DNA).

Medicine- At the turn of the 20th century, Dutch physician Christiaan Eijkman showed that disease can be caused not only by microorganisms but by a dietary deficiency of certain substances now called vitamins. By the middle of the 20th century scientists believed they were well on the way to treating, preventing, or eradicating many of the most deadly infectious diseases that had plagued humankind for centuries.

Improved drugs and new tools have made surgical operations that were once considered impossible now routine.

Advances in high-speed fiber-optic connections permit surgery on a patient using robotic instruments controlled by surgeons at another location. Known as telemedicine, this form of medicine makes it possible for skilled physicians to treat patients in remote locations or places that lack medical help.

Social Sciences- In the 20th century the social sciences emerged from relative obscurity to become prominent fields of research. Austrian physician Sigmund Freud founded the practice of psychoanalysis, creating a revolution in psychology that led him to be called the "Copernicus of the mind."

The 20th century also brought dramatic discoveries in the field of anthropology, with new fossil finds helping to piece together the story of human evolution

Technology- The invention of the transistor initiated a trend toward microminiaturization, in which individual electronic circuits can be reduced to microscopic size. This drastically reduced the computer's size, cost, and power requirements and eventually enabled the development of electronic circuits with processing speeds measured in billionths of a second.

People use technology to interface with worldwide communications networks, such as the Internet and the World Wide Web, to send and receive e-mail, to shop, or to find information on just about any subject.

As part of this study, both the United States and the Soviet Union announced that they would launch artificial satellites into orbit for nonmilitary space activities.

Physics- Advances in particle physics have been closely linked to progress in cosmology. Today, most scientists believe that the universe started with a cosmic explosion some time between 10 and 20 billion years ago.

The future is trying to somehow put all these factors into one, and trying to understand the world working together. If you notice, each of these interests helped to make the world be better understood. Our main goal as scientists is to contribute to that experience in some way, and many feel we are far away from doing so. Let's work together as a TEAM!!

Dessert Session

This is a good time to talk with one another about the upcoming events. Let's plan ahead, do some joint events, perhaps 1 big event with all the science organizations working together. How about the community service project? The deadline is Thursday, September 25, 2008 at 4:00 pm. Is it possible to do an outreach project?

These are some of the things to think about.

Use this space for note-taking during the dessert session:

Last word



David Jacome, 10'

**President of Society of Physics Students
President of Collins Chemistry Society**

Last Words:

Hello everyone,

I want to keep it simple and to the point. Working together is always important in anything you do in life. The goal of this meeting is not to promote any organization, but simply to reach out and try to reunite all the sciences. If there is anything I've learned in my life, it's that people need to share ideas together and meetings need to be conducted not as one, but as a group. Sitting here today with all of you is truly remarkable, and I hope we will continue to work with one another. I would like to take this opportunity to thank all the members for coming, please email me at djacome@spc.edu if you would like any help or have any questions. I'm always willing to go above and beyond for anyone who has an idea that they would like others to hear about.

Yours Truly,
David Jacome

SPS Zone 3 & 7 Conference and Sigma Pi Sigma Ceremony
Taking place on April 17-19, 2009 at Saint Peter's College
"Celebrating 40 years of Honorary Physics Students"

The biggest event to take place will happen next year. It called, the SPS Chapter Meeting for Zone's 3 & 7. Usually, it's hard to plan for this meeting and get it approved by the zone chapter advisors and by the SPS National Administration. However, over the years members have been visiting different universities, getting to meet chapter presidents and learning the procedure to having such an event. Finally, it has been decided that the Spring Annual Meeting for 2009 will be taking place at Saint Peter's College. The theme is, "***Plasmas: The Fourth State that Matters!!!***" It will consist of 1 special honorary, 3 keynote plasma and 2 special topics talks.

The Special Honorary presenter is: ***Dr. D.J. Michels***

For the Keynote Plasma Talks the presenters are: ***Dr. Bob Barker*** (Air Force, Plasma Division); ***Dr. Andrew Zwicker*** (Head of the Science Education Program at Princeton Plasma Physics Laboratory); ***James Morgan*** (Senior Program Manager at Princeton Plasma Physics Laboratory)

The 2 Special Topics presenters are: ***Dr. Juan Maldacena*** (String Theory); ***Dr. Scott Termaine*** (Astrophysics Research)

So far, we are in the final stages of putting together a schedule for all chapter members to look at. We hope that other science organizations can give us a hand on this day. Together we can make it a memorable occasion. Media has been called to attend. The college is aware of the event as well, and it will be published on the SPS Newsletter (The national article of SPS). Please take some time to think about the conference, and forward some ideas to the David Jacome at djacome@spc.edu . It's important that other organizations like: The Mendel Biology Society, Tribeta Biological Honor Society, Pi Mu Epsilon, Student Senate, perhaps LASO, and other organizations help out.

The names of those in the local organizing committee are mentioned here. With everyone's help, this conference will be a success.

Committee Board

Dr. Jose Lopez (Chair)

Dr. Wei-Dong Zhu (Co-Chair)

Local Organizing Committee

David Jacome, Director of Local Organizing Committee

Samik Adhikari, Co-Director of Local Organizing Committee

Ronald Maldonado, VP for Registration, Parking, Hotel Reservations, and Budget Costs

Tony Maldonado, Media & Promotions, Program handouts, SPS Current News

Note taking