

OPTICAL SOCIETY

ROCHESTER SECTION

ROSA News

January 2012

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2011-2012 Program Updates:

Please note there are two changes to the 2011-2012 program:

1. We are excited to announce an additional presentation to the 2011-2012 Program. The new presentation entitled, "Jupiter's Moon Io: A World of Many Volcanoes" will be given by Dr. Rosaly Lopes of NASA Jet Propulsion Laboratory. This presentation will be at 7:00 PM on Monday, March 19th at UR/ LLE Center for Optoelectronics and Imaging.
2. The presentation entitled "Solar Sailing via Radiation Pressure and Optical Lift" by Dr. Grover Swartzlander of RIT that was scheduled for Tuesday, March 20th is now scheduled for 7:00 PM on Tuesday, March 13th at UR/ LLE Center for Optoelectronics and Imaging.

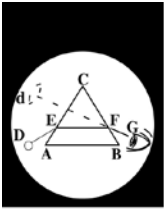
These changes are reflected in an updated 2011-2012 Program which will be distributed by the end of January.

A Bit of History ... by Mari de Wit

This month's spotlight is on Floyd C. Fairbanks who served as our local ROSA president in 1921. Floyd Fairbanks was born on November 27, 1873 in Williamson, NY. His work focused on the heat of vaporization of liquid air, the density of rocks from deep mines, and optics. Unfortunately, very little information is available on Fairbanks and although he is in the picture below (Courtesy of Carlos Stroud's book, A Jewel in the Crown), it is not clear which one is Fairbanks.



Physics and Optics faculty and graduate students, 1934.



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Biography:

- 1901-1904: High school science teacher in Geneva, NY.
1906: Undergraduate education at Rochester and Cornell, with AB degree from Cornell.
1906-1918: Served as an instructor in Physics at Drexel University.
1918: Appointed an Assistant Professor of Physics at U of R.
1918 -1940's: Professor of Physics at the University of Rochester.

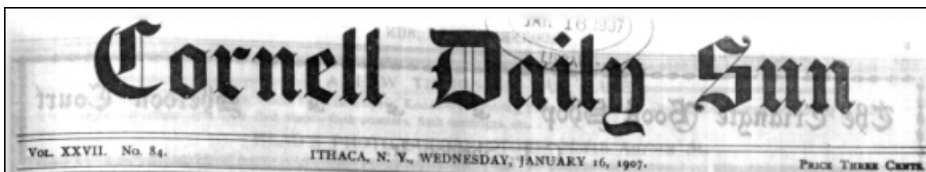
Links/Papers:

- 1913 - Book: Principles_of_experimental_physics_for_students_of_science_and_technology.
http://openlibrary.org/books/OL24189816M/Principles_of_experimental_physics_for_students_of_science_and_technology
- 1938 - Book: An Orientation in Science, Co-Author with 11 members of the U of R faculty
<http://www.questia.com/PM.qst?a=o&d=85648819>
- 2004 - Book: A Jewel in the Crown. Essays edited by Carlos R. Stroud Jr.
<http://www.osarochester.org/presidents.html>

A curious bit of info regarding Fairbanks...

- http://cdsun.library.cornell.edu/cgi-bin/newscornell?a=d&d=CDS19070116.1.2&e=-----20--1-----all_or
- <http://www.newspaperarchive.com/SiteMap/FreePdfPreview.aspx?img=102170825>

These newspaper articles are from 1907 from 2 different newspapers...



F. C. Fairbanks, son of the Vice-President, was indicted at Steubenville, Ohio, for perjury, the charge being false swearing as to residence when he procured a license to marry Miss Scott, of Pittsburg. Mr. Fairbanks denies having taken any oath, the same grand jury indicted two other bridegrooms from Pennsylvania for perjury.



**SON OF VICE PRESIDENT
CHARGED WITH PERJURY.**
Alleged That He Swore Falsely When He Applied For License.
STEUBENVILLE, Ohio, Jan. 15.—A sensation was created here today by the grand jury returning an indictment for perjury against F. C. Fairbanks, son of Vice-President Fairbanks, for perjury in an oath relating to his marriage to Miss Scott of Pittsburg. The charge is that Mr. Fairbanks went to Steubenville and disguised himself as a workingman and said that he was a workingman of Adams county and that Miss Scott was a resident of the county.
On this statement he secured a marriage license and they were married and left the town immediately afterward. The prosecutor says that the papers will be served upon Mr. Fairbanks as soon as it can be done.

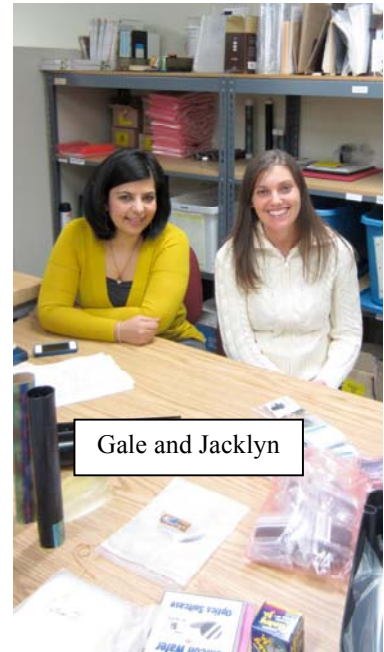
**Rochester Section Council Meeting
Education Committee Report
Optical Society of America
01/04/12
By S. Jacobs and T. Donlon**



Anne and Jimmy

During the last month, we restocked on supplies. We shipped no Suitcases.

- On 12/10, we enlisted the help of Cristina Canavesi, Brittany Taylor, Anne Marino and Jimmy Himes to operate three booths at the ROSA/Institute of Optics Family Night in Goergen Hall (photos below). Our newest activity was the fabrication of polarization sensitive rings, bracelets, pendants or fingernails. We took the opportunity to welcome two visitors from OSA National: Gale Mamatova, OSA Manager of Education and Member Services, and Jacklyn Attia, OSA Director of Membership. During their visit we reviewed the manufacture and distribution of *Optics Suitcases*, discussing ways that OSA National could help. In the short term, Gale is going to figure out how to help us with all of the duplicating and copying needed to generate labels for theme packets, overhead transparencies, guide books and periodic tables of the elements.



Gale and Jacklyn



Brittany



Cristina

