

# OPTICAL SOCIETY

ROCHESTER SECTION

## ROSA News

January 2011

The ROSA Newsletter is a new feature this year. We created it to keep you informed about the activities of our local chapter of the Optical Society. We would like to include your stories and any information you feel we should share. Please e-mail your suggestions to [secretary@osarochester.org](mailto:secretary@osarochester.org).

### ROSA 2010-2011

#### Council Members

##### President

Rick Plympton

##### Past President

Jennifer Kruschwitz

##### President Elect

Julie Bentley

##### Secretary

Cisca Sugiro

##### Treasurer

Jessica Nelson

##### Education

Steve Jacobs

#### Program Co-Chairs

Ted Mooney

Neil Anderson

#### House Co-Chairs

Melissa Geng

Monica Sears

#### Councilors at Large

Stephanie Bloch

Josh Cobb

Joe Vornehm

Tanya Kosc

The 2010-2011 council has been busy at work, planning the activities of the year. Here are a few of our recent milestones and accomplishments:

- Added individual names to Plant Rep page
- Semrock/IDEX has joined as a Corporate Member



#### UPDATES:

**National OSA has an initiative to collect and scan historical OSA documents. If you have anything that may be valuable please contact [treasurer@osarochester.org](mailto:treasurer@osarochester.org)**

#### • On-line Optics Courses

Universities are getting stretched thinner and thinner regarding what course offerings they can have (due to funding). Wayne Knox & Jim Wyant got together and chose courses to offer between the two schools. The University of Arizona's College of Optical Sciences and the University of Rochester's Institute of Optics are offering the first ever joint courses in Optics for the Spring 2011 semester starting 1/12/11.

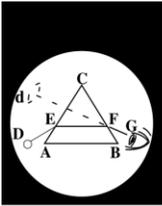
- John Koshel (UR alumni) - Illumination Design from Arizona to UofR students.
- Jennifer Kruschwitz - Advanced Optical Coating Design from UofR to Arizona students

GoToMeeting.com for the distance learners. If one takes the course through the UofA it directly transfers to the UofR toward a degree.

University of Arizona / University of Rochester OPTI 577 - Advanced Optical Coating Design

This course will cover such topics as the effects of dispersion, scatter, and inhomogeneity in multilayer interference coating designs. To register for the online distance learning course, the course number is OPTI 577 [910-LEC(77869)]. This course is worth 3 credits toward an advanced degree at either University.

Questions? Contact the Professor Jennifer Kruschwitz at [jkconsult@kruschwitz.com](mailto:jkconsult@kruschwitz.com).



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## Illumination Optics (OSD105)

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- **Call for Papers** – if you are looking for a good reason to visit Marseille, France

*Part of the SPIE International Symposium on Optical Systems Design*

5-8 September 2011 • World Trade Center/Mercure Hotel • Marseille, France

More details can be found at [SPIE Optical Systems Design](http://SPIE Optical Systems Design) or contact Program Committee Co-Chair Josh Cobb at Corning Fairport.

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### MICHAEL KIDGER MEMORIAL SCHOLARSHIP IN OPTICAL DESIGN 2011

The Michael Kidger Memorial Scholarship is to be awarded to a student engaged in optical design of either imaging or non-imaging systems. The award to take place at SPIE Optical Systems Symposium 5-8 September 2011 at World Trade Centre/Mercure Hotel, Marseille, France

Students are invited to apply to

[WWW.KIDGER.COM](http://WWW.KIDGER.COM)

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- **Social Networking On-line** – please consider joining
  - Facebook – all are invited to participate, no need to be a ROSA member. You get updates on speaker announcements, news, etc. Of course we encourage you to join ROSA.
  -  LinkedIn – register to get updates regarding activities and topics of interest. Need to be a member of the OSA-Rochester Section

Please renew your membership and update your contact information at our [membership page](#)

ROSA is seeking plant representatives. If you are interested in promoting OSA activities at your place of employment, please contact [secretary@osarochester.org](mailto:secretary@osarochester.org).



The education committee report is attached.

**Optical Society of America  
Rochester Section Council Meeting  
Education Committee Report  
01/12/11  
By S. Jacobs and T. Pfuntner**

- We shipped 3 more *Suitcases* to groups under our OSAF Memorandum of Understanding.

<b>Date - #</b>	<b>Recipient</b>	<b>Location</b>
01/04/11 #323	Full Suitcase to Subhradeep Pal, lecturer in the Dept. of Applied Electronics and Instrumentation Engineering, Supreme Knowledge Foundation Group, for students ages 18-22 in Sir J. C. Bose School of Engineering	West Bengal, India
01/04/11 #324	Full Suitcase to Toni Evans, River Valley High School, for ages 14-18, physics class	Caledonia, Ohio
01/10/11 #325	Full Suitcase to Ruth Brown, DaVinci Science Center, for middle schools in Allentown and Bethlehem area in after-school science labs	Allentown, PA

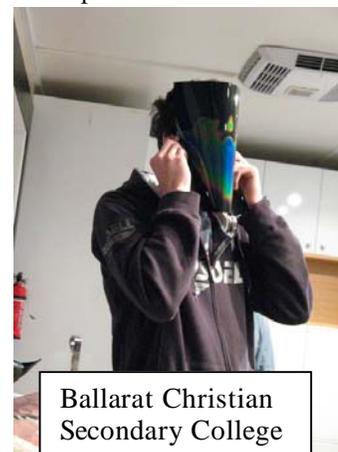
- On 12/12, Andrew Fisher from the undergraduate OSA student chapter visited the classroom of Crystal Hanna in Rochester City School #12 for an outreach presentation to 24 sixth graders.
- On 12/20, we received an outreach report and a flip video from Charlotte Remakus.  
"hi My name is charlotte remakus and I am an educator at Kopernik Space and Science Center in Vestal, New York. We were very fortunate to receive your optics suitcase [#267] and laser materials. They were well-used and the students loved the experiments. We used all materials during the summer of 2010, and were able to reach 80 students. I already sent the pics from the optic suitcase, and here are the photos from the laser experiments. The students loved it, especially the part where they took home the flashlights and peep holes to demonstrate to parents what they learned. We are very appreciative to have had the materials."  
For the flip video, go to <http://sharing.theflip.com/session/fa114d8aa9ede249a7f96a1fdee427c3/video/39592511>
- On 1/3 we received notification from OSAF that ROSA won a \$450 activity grant to support the U of R undergraduate OSA student chapter in performing outreach to local schools during the Spring semester. The check has not yet arrived.
- On 1/5, we submitted our final report to the American Physical Society in compliance with our memorandum of understanding. With our \$10,000 LaserFest Grant, we manufactured and shipped 27 Laser Pointer Supplements with *Optics Suitcases* during calendar year 2010. Recipient organizations consisted of OSA and SPIE student chapters, universities, high schools, primary schools, museum and science centers, and companies. Fifteen organizations were located in states across the USA ( Florida-2, Oregon -2, Colorado, Maryland, Texas, California-2, Pennsylvania, Ohio-3, Washington, Alabama). Twelve groups outside of the USA received materials, including South Africa-2, Canada-2, Singapore, India, France-2, Russia, Mexico-2 and Ireland. An electronic copy of the report was provided to Cisca.
- On 1/6, we received an excellent report (see some of the photos) describing the use of *Suitcase #223* by Dr. Nicoleta Dragomir, Victoria University, Melbourne, Australia. Per her request, on 1/11, we sent her a complete set of replacement theme packets, a Laser Pointer Supplement, and two bottles of liquid crystal compound.

*"Working together with Teachers through the Scientists in School (SIS) Program enabled access to remote areas such as Devon North and Garfield North Primary*



Garfield North Primary, grade 6 students

*Schools where the materials supplied through the Optics Suitcase were used to various outreach activities involving Light during the period November 2009- September 2010. The focus of these outreach activities was on remote Primary or Secondary Schools that would otherwise not have access to technology or scientists to visit them on regular basis."*



Ballarat Christian Secondary College