



Hands-On Optics

A Volunteer's Perspective

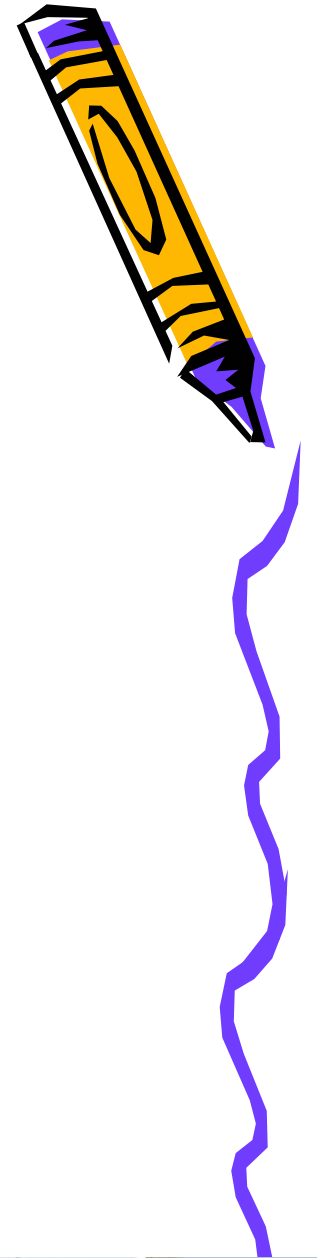
Donn M. Silberman

The Optics Institute
of Southern California



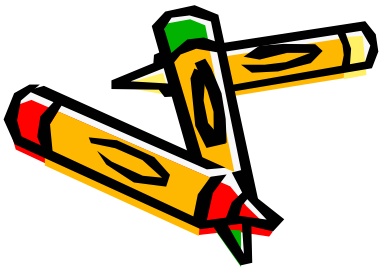
Presentation Outline

- Early questions about HOO
- The Training
- Why is volunteering for HOO easy?
- Getting in touch with the local MESA Staff
- Events at local schools
- Regional Events
- Future Efforts

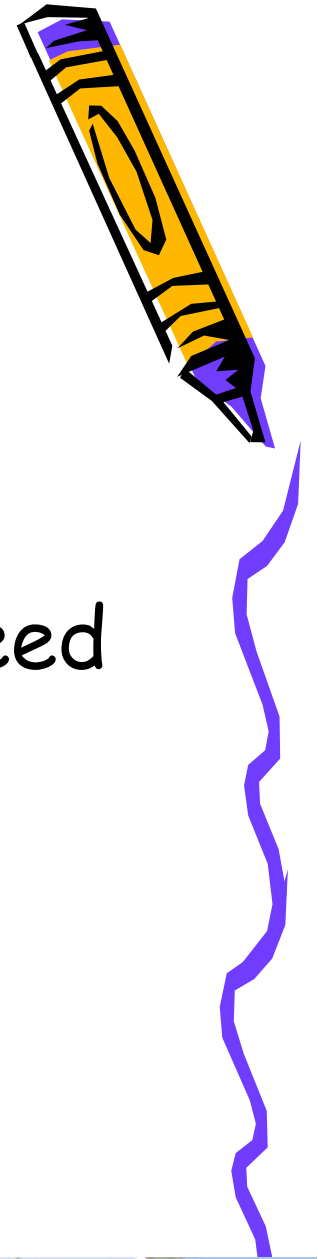


Early Questions about HOO

- \$1.7 million is a lot of money!
- Why not just give it to the local chapters?
- Isn't most of the money just going to administrators?
- If volunteers are key who is going to do it?
- How, when & where will volunteers get involvedif we want too??



The Training



- Who was trained?
- What was it like?
- Do professional optics volunteers need training? We already know optics!!
- Was the training beneficial?



Who was Trained?

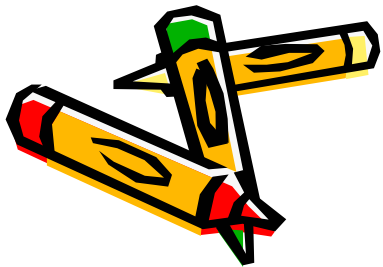


- Teachers
- MESA Staff
- Professional Optics Volunteers



What was the training like?

- Formal & Informal
- Everyone learning from each other
- Lots of Hands-On Optics focused on the specific lessons & materials



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Do professional optics volunteers need training? We already know optics!!



- The Optics Professional Volunteers (OPV) are critical in helping to train the teachers and the MESA Staff.
- The OPVs also get training about working with the teachers and MESA Staff
- The training workshops provide places for the OPVs to meet the teachers and MESA Staff.



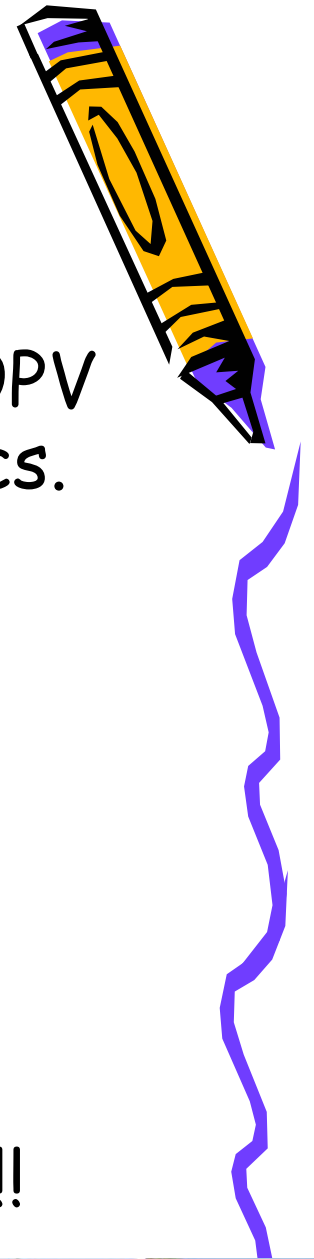
Why is volunteering for HOO easy?

The HOO programs provide everything a OPV needs to easily help students learn optics.

- The lesson plans & materials & classrooms
- The Students
- The Teachers
- The MESA Support Staff

All you have to do is show up!!

It couldn't be easier!!



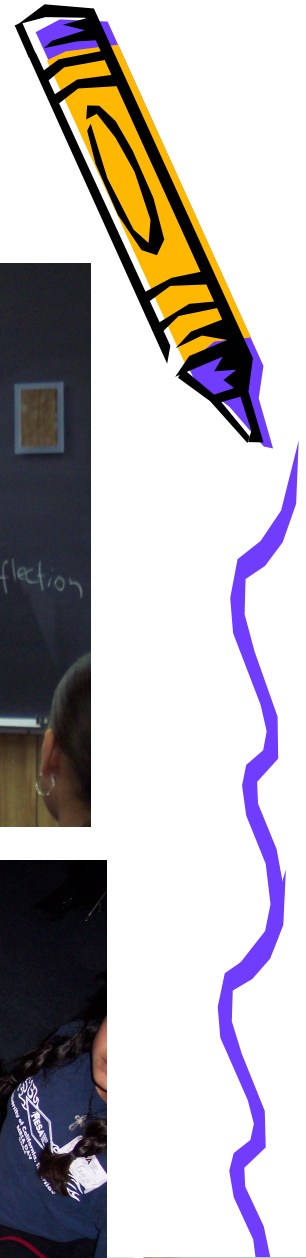
Getting in touch with the local MESA Staff

- As part of the training, the OPVs are introduced to their Local MESA Staff
- Each OPV receives a contact list with all the OPVs, MESA Staff, local teachers and others contact information.
- All the OPVs will be contacted by the MESA Staff about upcoming events.



Events at local schools

Laser Challenge

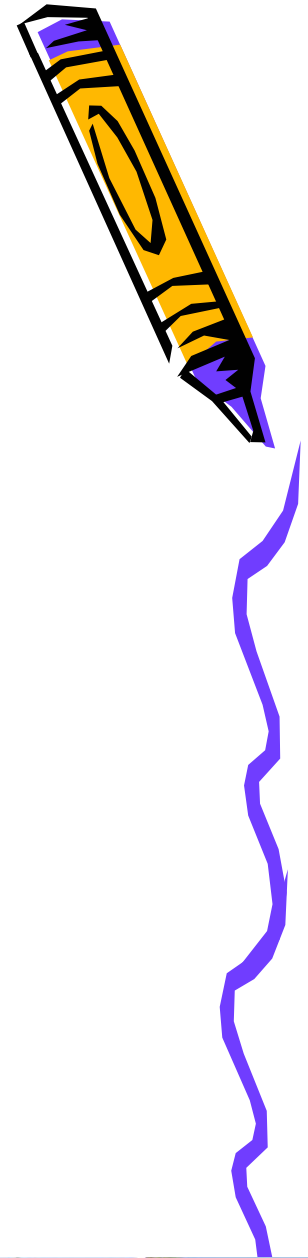


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Events at Local Schools

Presentations can be given at local schools as part Of MESA Day Activities - Including HOO.



Regional Events

MESA Sponsored Competitions now includes telescopes!



Proud Telescope Makers



An OPV judging a telescope

Listening to competition rules.

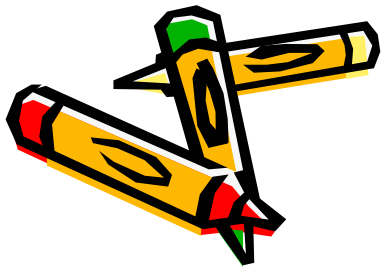


Making Kaleidoscopes

At a local school



Auditorium Presentations



Not required for OPVs. But if you like to, you can!

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Closing Comments & Future Efforts

- Not all MESA Centers are the same.
- Not all local MESA Schools are the same.
- HOO on-line communication systems will continue to improve - use the phone now!
- If you want to get involved - This is the place - talk to us NOW!!



Thank You

Questions, comments,

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