

IES



January 2005

The Lantern

The Newsletter of the Mother Lode Section of IESNA



Tour of California Lighting Technology Center A united tour with the Golden Gate Section

Guest Speaker: Dr. Michael Siminovitch, Program Director.

The staff at the California Lighting Technology Center invites you to an evening tour and overview of current and planned research/outreach activities. The Center began operations in mid-2004 and has quickly become a hub of lighting activities in Northern California. The tour will include hand-on demonstrations of nearly a dozen research, testing, and commercialization projects. In addition to the tour and discussion, meeting attendees will enjoy wine and cheese, hosted by the Center.

Former Golden Gate President Dr. Michael Siminovitch will lead our tour of lighting research, development and outreach aimed directly at California lighting professionals. Join us in touching our lighting future! This will be a tour we will talk about for years to come, and a reference to use when inspiring out-of-state lighting compatriots to design and incorporate next generation lighting technologies. We are pleased to join the Golden Gate Section for this joint meeting.



For more details about CLTC you can check out their website: <http://cltc.ucdavis.edu/cltc/>

Date

Wednesday, January 19, 2005

TIME

Refreshments: 6:30 PM

Tour: 7:00 PM

Cost: Free!

LOCATION

California Lighting Technology Center
1554 Drew Avenue
Davis, CA 95616

RESERVATIONS

Gary Flamm, CEC
916-654-2817

gflamm@energy.state.ca.us

Exciting news about the Yosemite Section on pages 4 & 5

Please share this Newsletter in your office.

FIVE meetings for the price of FOUR

We are offering a five-meeting ticket for the price of four meetings. One of these tickets will allow the holder to attend any five technical dinner meetings, other than socials, for \$100. Please contact me if you would like to purchase any of these tickets, or if you have any questions.

Connie Buchan

Program Chair
916-732-6404

connie.buchan@smud.org

IIDA

Detailed information about the 2005 International Illumination Design Awards is available on the IESNA website:

<http://www.iesna.org/PDF/Awards/IIDA/2005form.pdf>

Information includes the following:

- General Information
- Procedures and entry rules
- Judging sheet
- Nomination form

- Guidelines to improve your IIDA text
- Guidelines to improve your IIDA photographs
- Frequently asked questions

If you have any questions, please contact me.

Frank Frounfelker

IIDA Chair

916-725-1903

ffrounfelker@holophane.com

IESNA Centennial

January 10, 2006



The Centennial of the Illuminating Engineering Society of North America's founding in 1906 should be a time of reflection on our history, values, unique characteristics and culture; a period of celebration of past and present achievements; and a moment to look ahead to the exciting future that awaits the IESNA.

We welcome your involvement in this year's

activities. There are many opportunities to participate in committees and projects where your contribution is greatly appreciated.

Please feel free to contact me if you have any questions.

Gale Spencer

Centennial Chair

916-649-2220

litegal@surewest.net

Lighting Application Photography...

Folks, photograph your best work, now, for free...

Several manufacturers that I have dealings with are looking for images of their products for upcoming catalogs. This is a chance to photograph your best work for free! I do the images; the manufacturer pays for the shoot. You provide access and styling help. You get a dazzling image for your portfolio.

Win Win Opportunities.

Douglas A. Salin
Photographer

647 Joost Avenue
San Francisco, CA 94127

415-584-3322

415-227-6600 Pager

dspeoe@pacbell.net

<http://www.dougsalin.com>

Education

Introduction to Lighting

We are offering an "Introduction to Lighting" course. This course is designed as an introduction for people with little or no knowledge of lighting. The course covers basic lighting principles, terms and calculations. This course will provide a good background for people who want to explore the world of lighting or move to the next level by taking the ED-100 course.

WHEN:

Saturday February 5, 2005, from 9:00 am to 3:00 pm, and includes lunch.

WHERE:

SMUD Energy & Technology Center, 6301 S Street, Sacramento

REGISTRATION

Please register by Feb 1. The cost of the class is \$50. Please make your check to the IES Mother Lode Section. Include the name, company, address, and daytime phone number of each person registering and mail your check only (no cash or credit cards numbers) to:

Mark Crume, c/o SMUD
PO Box 15830, MS A102
Sacramento, CA
95852-1830

IES ED-100 Class

We are offering the Lighting Fundamentals class this winter. This class is essential to anyone who is new to lighting. It is also a great review or update opportunity for those who are already in the business, especially those who are only involved in lighting peripherally. The individual sessions will be taught by local lighting experts in the various disciplines covered.

The eight-session course will cover human vision, light & color, lighting equipment, basic calculations, lighting economics, daylighting, and lighting design considerations and techniques for indoor and outdoor applications. A certificate of completion will be awarded to those who attend a minimum of six of the sessions.

WHEN:

Monday and Wednesday evenings for five weeks, February 23rd through March 21st, from 6:00 – 9:00 PM.

WHERE:

SMUD Energy & Technology Center, 6301 S Street, Sacramento, Lighting Classroom on the Second Floor
<http://www.smud.org/about/map/index.html> for a directional map)

COST:

\$225 for IESNA members, \$275 for non-members. Sustaining member companies may send one person for the member price.

INCLUDED:

- Eight class sessions
- ED-100 textbook

RESERVATIONS:

Please register by Feb 16. Send a check only (no cash or credit card numbers) to:

Mark Crume c/o SMUD
PO Box 15830,
Mail Stop A102
Sacramento, CA 95852-
1830.

Please include the name, company affiliation, and daytime phone number of each person signing up.

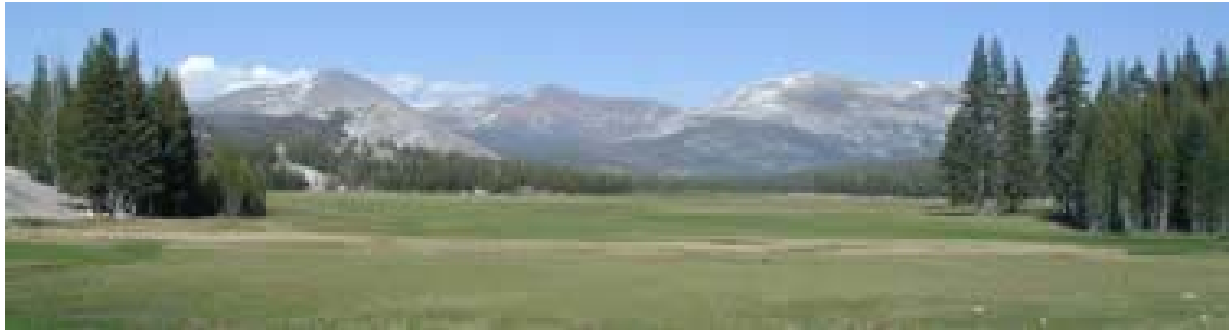
NOTE:

To expedite your enrollment in the course, the check must be made out to IES Mother Lode Section, NOT to SMUD, and Mark Crume name and mail stop must be on the envelope.

This is a popular course, and class size is limited – reserve your space without delay!

Mark Crume
Education Chair
rcrume@smud.org
916-732-6672

Yosemite Section



Tuolumne Meadows in Yosemite National Park. NPS Photo <http://www.nps.gov/yose/>

I would like to update everyone on the progress we are making in becoming a sustainable section of the Illuminating Engineering Society.

We are nearing our goal of fulfilling the necessary requirements we need to meet in becoming a recognized section.

The “More in ‘04” membership drive has been very beneficial and has helped in contributing to our overall membership with the addition of 11 new members.

Our existing membership is comprised of the following members:

- David Arrigoni, Arrigoni & Associates
- Gary Olsen, Electrical Power Systems
- Gerald Cornelius, Cornelius Consulting Group
- Doug Hagen, BK Lighting
- Vincent Waters, Waters Engineering
- Sharon Ashida, Integrated Design by SOMAM
- Larry Miller, Integrated Design by SOMAM
- Jon Noble, Hagen Noble & Associates
- Rimas Gurcinas, Gurcinas & Associates
- John Borrelli, Borrelli & Associates

- Ron Naus, BK Lighting
- Mark Havens, Western Lightsource
- Jay Marshall, Holophane Lighting
- Henry Kim, Sunrise Lighting

Adding to our existing membership are the newest members, which include:

- Pete Chapman, Cal Lighting
- Tim Fickling, teter a+e
- Davor Golik, Interstate Engineering
- Rich Hardin, 2H Engineering
- Alex Ho, 2H Engineering
- Ray Keith, Electric Motor Shop
- Santiago Rendon, teter a+e
- Don Stockton, CBC Lighting
- Jamie Thompson, Graybar Electric
- David Walsh, Osram Sylvania
- Mark Worthington, Valley Unique Electric

We certainly encourage anyone involved in the electrical industry with interest or responsibilities for lighting to contact Jay Marshall at 559-291-1256 or any of the listed members for details in becoming involved.

Yosemite Section



Budd Lake and Cathedral Peak in Yosemite National Park. NPS Photo

For the upcoming year, we are preparing to evaluate and introduce the following educational segments:

- New Lamp & Ballast Technologies
 - Introduction to Lighting Design
 - Psychology of Lighting
 - “Lighting for Human Beings, Not Just for Eyeballs”
 - Issues and Trends for Outdoor Lighting Applications
 - Addressing: Light Trespass, Light Pollution / Dark Sky Issues,
 - Safety & Security, and Energy Efficiency
 - Manufacturing / Site Application Tour
- In addition, we will be introducing an IESNA supported educational course such as ED-100.

ED 100: Introducing lighting fundamentals through an instructional approach in presenting up to date material on lighting technology and terminology, lighting systems and equipment, and comprehensive

approach to lighting application and design, lighting controls, and energy management and economics.

Again, if you have not completed your application for membership, we will be completing the “More in 04” enrollment on January 31, 2005. Please access the electronic application at:

http://www.iesna.org/membership/membership_add_form.cfm

We are enthusiastic about our first year as the newly reinstated Yosemite Section and look forward to your participation and support

Jay Marshall

Holophane Lighting
2742 Swift Avenue
Clovis, CA
559-291-1256 (Office)
559-291-1732 (Fax)
jmarshall@holophane.com



Yosemite Valley (NPS Photo)

At the E&ITC...

Metal Halide vs. Fluorescent - 10 Rounds in the Hi-bay Arena

The pendulum keeps swinging. Metal halide was the best lamp choice. Then high performance fluorescent became the favorite. Now, with new improvements, metal halide may regain the advantage. Many strengths and weaknesses of each technology, often becoming too evident in real life applications, are not adequately covered in marketing or even technical materials. Ten key issues, one per round, will be discussed to help attendees judge the best technology for each application.

- Round 1** - CRI and Kelvin
- Round 2** - System efficacy
- Round 3** - Lamp temperature and light output
- Round 4** - Ballast issues
- Round 5** - System performance
- Round 6** - Aesthetics
- Round 7** - Control flexibility
- Round 8** - Initial parts and labor costs
- Round 9** - Lamp life and maintenance
- Round 10** - Mercury and lead

And the winner is...

Date:
Wednesday, January 26
(Pre-registration required)

Time:
8:30 a.m. - Noon

Where:
SMUD Energy & Technology Center
6301 S Street,
Sacramento

Course Fee:
No charge
(Continental breakfast included)

Register: Go to <http://www.smud.org/etc> or call (916) 732-6738

Presenter:
Stan Walerczyk, LC, principal of Lighting Wizards and R.A.D. Lighting, is involved in retrofit specification, hands-on project management, and lighting system design. He evaluates new products, assists manufacturers with new fixture design, and provides third party specification review as a consultant. Mr. Walerczyk's resume lists twenty publications in Energy User News and Lighting Design and Application, and he has taught numerous

seminars. His affiliations include: Chair of IESNA's Retrofit/Upgrade Subcommittee, AEE CLEP (Certified Lighting Efficiency Professional), and Lighting Certified by NCQLP.

Just for Fun

I cdnuolt blveiee taht I cluod aulacly uesdnatnrđ waht I was rdanieg. The phaonmneal pweor of the hmuan mnid. Aoccdrnig to a rscheearch at Cmabrigde Uinervtisy, it deosn't mttar in waht oredr the ltteers in a wrod are, the olny iprmoatnt tihng is taht the frist and lsat ltteer be in the rghit pclae. The rset can be a taotl mses and you can sitll raed it wouthit a porbelm. Tihs is bcuseae the huamn mnid deos not raed ervey lteter by istlef, but the wrod as a wlohe. Amzanig huh? Yaeh, and I awlyas thought slpeling was ipmorantt.

The highest reward for man's toil is not what he gets out of it but what he becomes by it.

John Rushkin,
1819-1900

English art critic,
philosopher and reformer

MOTHER LODE SECTION
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Lighting Systems	Keith Roberts
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Sacramento Municipal Utility District	Connie Buchan

IES

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