

IES



June 2005

The Lantern

The Newsletter of the Mother Lode Section of IESNA



" Railroad Museum Tour & Dinner "

Come join us as we socialize for our last meeting this season. The California State Railroad Museum is an enjoyable pastime for all. Michael Brenenstall will be giving us a tour of the displays and the decisions behind lighting them. Michael is the engineer and person in charge of facilities at the museum. He works with designers and specifies all the lighting for each and every artifact. He previously worked for the State Department of Park and Recreation on several special lighting projects.



Afterwards, we will walk a couple blocks to the Firehouse Restaurant for a delectable dinner as we usher summer in. This summer social is open to members, nonmembers, spouses, and friends. Call early for a reservation!

Date

Tuesday, June 21 (first day of summer)

TIME

Tour: 6:00 - 7:00 pm
Dinner Served 7:30 pm

ADMISSION (Includes tour and dinner)

For all \$25

MENU

Filet Mignon, Almond Crusted Salmon, or Sesame Tofu and Portobello Mushroom Napoleon. All include Salad and Desert.

Please let Connie know what menu item you would prefer – thank you.

LOCATIONS

Tour:

California State Railroad Museum
111 I Street, Old Sacramento
Meet at East door at 6:00 pm

Dinner:

Firehouse Restaurant's Courtyard Grill, 1112 Second Street, Old Sacramento

RESERVATIONS

Please make your reservations by 3:00 Friday, June 17
Connie Buchan, SMUD 916-732-6404
connie.buchan@smud.org

**This will be the final Lantern for the 2004–2005 Season.
We'll see you again in September.**

Seeking Donations for June Social

The Mother Lode Section is seeking donated items to give away as prizes at our June Social. Please contact me with information about items you wish to donate.

Connie Buchan

916-732-6404

connie.buchan@smud.org

REC Meeting to be Hosted Locally

Our next Regional Executive Committee meeting will be held on Friday, June 10, 9:00 am to 3:00 pm, at the California Lighting Technology Center in Davis, California. If you would like to attend, please RSVP to our Regional VP, Tom Tolen

510-232-288

tom@tmtassoc.com

Prez Sez

As the season of events for the Mother Lode Section comes to an end, I'd like to extend a heart felt thank you to all the members who have participated in the numerous, informative and interesting presentations this year. All that attended the meetings have learned

about many topics ranging from Hybrid Solar Fixtures, PIER Projects, Lighting after the Year 2015, Architectural Lighting Photography, and of course "Lighting is Architecture" by Jack Paddon. Connie Buchan did a fantastic job at coordinating the speakers, topics and meeting locations, all while increasing the attendance to the events (I'm sure the June social will be no different, make sure to mark your calendar for June 21st).

One of the primary functions of the local section is to provide topics that appeal to all members. If there is a topic or presenter that you would like to see at an IES meeting please contact a Mother Lode Section board member with your suggestion. We're always looking for new ideas, or maybe you'd like to take a more active role in the Mother Lode. As committees are assembled, there are many opportunities to participate, or chair a committee that you may

have interest in. This year's board members and committee chairs should be commended on the great progress. Thank you to Gary Flamm, Mark Crume, Gale Spencer, Frank Frounfelker, Abhijeet Pande, Owen Howlett, John Hickman and Stuart Lindsay.

Now that summer has arrived, be sure to respect the greatest of all light sources and don't forget the sun screen.

Tim Welch

President 2004-2005

916-787-6630

tiw@cjslighting.com

IIDA

The International Illumination Design Awards (IIDA) provides a unique opportunity for public recognition of professionalism, ingenuity and originality in lighting design.

Please call me if you have any questions.

Frank Frounfelker

IIDA Chair

916 995 6561

www.sierawestlighting.com

Education

The Mother Lode Section will hold the Lighting Fundamentals (ED-100) course this fall. Please see page 7 of this Lantern for additional information.

The most recent Introduction to Lighting (ED-50) class that we hosted on Saturday, May 21 was great. Connie Buchan and Alan Suleiman did a fantastic job!

The class was the fullest we've had in a long time, with twenty three students. The course reviews were very good. There have been requests for another Introduction to Lighting class, as well as requests for information about the upcoming Lighting Fundamentals (ED-100) course.

The Fall ED-100 class has been scheduled and I am looking for people from our industry to be instructors. Interested people can please contact me for more information.

Mark Crume
Education Chair
916-732-6672
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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.

Gale Spencer
916-649-2220
litegal@surewest.net

"Blueprint Newsletter"

The California Energy Commission's "Blueprint Newsletter" is published quarterly to provide updated information and clarifications regarding California's Title 24 Building Energy Efficiency Standards. "Seeking Excellence,"

is an ongoing series of interviews in the newsletter with individuals who have made a major difference toward increasing energy efficiency in California. You can view the current and back issues of the newsletter online at:

<http://www.energy.ca.gov/efficiency/blueprint/index.html>

Blueprints may be viewed by publication date, or by topic. There are topical indexes for the Residential Standards, and another topical index for the Nonresidential Standards.

At the SMUD E&TC

The following URL contains a list of classes sponsored by the Sacramento Municipal Utility District (SMUD) at the Energy & Technology Center:

<https://usage.smud.org/ourAccount/ETCstudent/classlist.asp>

Standing Over the River, Conclusion

For those of you who've spent every spare minute over the last month trying to figure out how this mysterious halo effect works, the key is the ripples on the river and the murkiness beneath. If the ripples are the right size and shape to be somewhat lens-like, they focus parallel shafts of sunlight down into the water, and these shafts of light become visible because of the murkiness under the surface (they wouldn't be visible if the water were clear).

The reason why the shafts of sunlight emanate miraculously from the shadow of your own head when you look down into the river is just a trick of perspective--the shafts are parallel, so like railroad tracks they seem to converge toward a vanishing point, and by definition that vanishing point is where the shadow of your head falls.

The effect is most visible when the sun is high in the sky, perhaps because sunlight focuses best through the ripples when it's arriving close to right angles with the surface of the water. And rivers with hard vertical banks seem to work best because

they make the ripples bounce back across the water and mingle with one another, rather than absorbing them.

So there we have it, a lighting phenomenon that nourishes both the soul and the mind. Now, if someone could manufacture a 2'x4' troffer that produced the same effect...

Owen Howlett

916-962-700

howlett@h-m-g.com

Just for Fun

Some "Senior" personal ads seen in Florida and Arizona newspapers:

FOXY LADY: Sexy, fashion-conscious blue-haired beauty, 80's, slim, 5'-4" (used to be 5-6), searching for sharp-looking, sharp-dressing companion. Matching white shoes and belt a plus.

MINT CONDITION: Male, 1932, high mileage, good condition, some hair, many new parts including hip, knee, cornea, valves. Isn't in running condition, but walks well.

LONG-TERM

COMMITMENT: Recent widow who has just buried fourth husband looking for someone to round out a six-unit plot. Dizziness, fainting, shortness of breath not a problem.

SERENITY NOW: I am into solitude, long walks, sunrises, the ocean, yoga and meditation. If you are the silent type, let's get together, take our hearing aids out and enjoy quiet times.

WINNING SMILE: Active grandmother with original teeth seeking a dedicated flossier to share rare steaks, corn on the cob and caramel candy.

BEATLES OR STONES? I still like to rock, still like to cruise in my Camaro on Saturday nights and still like to play the air guitar. If you were a groovy chick, or are now a groovy hen, let's get together and listen to my boss collection of eight-track tapes.

MEMORIES: I can usually remember Monday through Thursday. If you can remember Friday, Saturday and Sunday, let's put our two heads together.

Regional Notes



by *Thomas M. Tolen*, IESNA South Pacific Coast Regional Vice President

Many of you reading this newsletter are aware of Jay Marshall and the hard work he and others have put into bringing back the Yosemite Section. IES members working and living in the San Joaquin Valley currently are members of the Mother Lode Section. This presents a number of difficulties for people who live in, for example, Bakersfield. It's tough to attend an IES meeting or enroll in an educational seminar when one has to drive 2-3 hours one way. Thanks to Jay's efforts, we're hoping to rectify that situation. However, it's not going to happen without much stronger participation in leadership positions. Jay cannot do it all by himself.

There are some tangible requirements for forming a new IES Section. The new Section must have a minimum of 25 members. They must have clearly defined geographical borders. And they

must convince their RVP that they are committed to sustainable success. The last requirement is a little less tangible, but here's what I look for from a new Section prior to my proposing their official recognition:

- There must be a strong leadership infrastructure in place. The new Section should appoint officers and Board members, and they should designate Chairs for important committees such as Education, Membership and Programs. The leadership should meet at least once a month.
- The Section should be holding regular, monthly meetings for the membership. They should provide reports describing these meetings.
- The Section should make an effort at producing a significant educational offering, such as ED 100.

What all this is, really, is an exercise in Section role playing. Once I'm convinced a Section is sustainable, I recommend to the other RVPs that they be recognized. Assuming the RVPs concur, the issue is put before the Board of Directors for a vote.

I'm hoping that the next few months will provide members of the fledgling Yosemite Section with the opportunity for official recognition. Good luck!

Yosemite Section

As we near the completion of our first year as The Yosemite Section of IESNA, I personally want to thank all who have participated directly and indirectly to help support this important and worthwhile initiative. In addition to our local membership, I would like to recognize the following:

The Mother Lode Section

- Affording us the opportunity in utilizing the “Lantern” to promote the Yosemite Section and for extending various helpful suggestions in bringing value to our section.

Jim Benya, Benya Lighting Design

- Allocating time from your schedule to join us for our kick off meeting and making a valued presentation on the “Title 24 Changes for ‘05”

Rob Sumner, Bodine

- Coordinating your schedule in coming to Fresno and providing us with the “Fundamentals in Emergency Lighting” presentation

Diarmuid McSweeney, Holophane

- Presenting us with an informative and valued segment on “High Frequency Electronic Ballasts for Higher Wattage Metal Halide Lighting Systems.

In September, 2005, we are scheduling a half day presentation on Changes to Title 24, beginning in October. Please look forward to seeing promotion for this meeting in August.

In October, please note that we will begin our ED-50 and ED-100 lighting fundamentals course. Each of these educational segments will be valuable in preparing for the LC Exam scheduled this November and the ED-150 course in 2006.

We wish everyone a safe summer and look forward to meeting with you in September.

Jay Marshall

jmarshall@holophane.com

Each morning sees some task begun, each evening sees its close.

Something attempted, something done, has earned a night's repose.

Henry Wadsworth Longfellow

Lighting Education: IES ED-100 Class

The Mother Lode Section of the IESNA will hold a lighting fundamentals class this fall. 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 nine-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 seven of the sessions.

WHEN: **October 3 through November 2, from 6:00 – 9:00 PM.**
Monday and Wednesday evenings for five weeks,

WHERE: **SMUD's Energy & Technology Center**
Lighting Classroom, on the Second Floor; Customer Service Center building
6301 S Street, Sacramento, just off Highway 50 at 65th St.

COST: **\$235 for members, \$285 for non-members.**
Sustaining member companies may send one person for the member price.

INCLUDED:

- ◆ Nine class sessions
- ◆ ED-100 textbook

RESERVATIONS: 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** for each person.

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.

Additional information: **Call Mark Crume: (916) 732-7486.**

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

**MOTHER LODE SECTION
SUSTAINING MEMBERS**

California Energy Commission	Gary Flamm
Capitol City Design	Tony Baker
City of Sacramento	Wes Hiratsuka
CJS Lighting	Robert O'Flaherty
Gale Spencer	Lighting By Design
Interface Engineering, Inc.	Stuart Lindsay
Lighting Systems	Keith Roberts
M. Neils Engineering, Inc.	Mike Neils
Sacramento Municipal Utility District	Connie Buchan

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2004-2005**

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PROGRAMS - Connie Buchan, SMUD

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PR/AWARDS, LANTERN - Gary Flamm, CEC

WEBMASTER - Abhijeet Pande, HMG

<http://www.iesmotherlode.org>



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