



## Hybrid Solar Lighting

Please join us for a presentation on Hybrid Solar Lighting. Hybrid Solar Lighting is an exciting new technology that allows daylight to be collected and distributed throughout the interior of a building via optical fibers. This technology is being developed by the Department of Energy, Oak Ridge National Laboratory in Oak Ridge, Tennessee (ORNL), and the Hybrid Lighting Partnership to reduce energy consumption associated with lighting in commercial buildings. Dr. Duncan Earl, from ORNL, will be here to discuss the details and application of this unique technology and to provide an overview of upcoming demonstration events. Dr. Earl is a former graduate of the University of Tennessee and is the technical lead for ORNL's Hybrid Solar Lighting program.



Dr. Duncan Earl

<b>Date</b>		<b>LOCATION</b>
Tuesday, October 19, 2004		Sacramento Brewing Company's Oasis 7811 Madison Ave., Citrus Heights, CA 95610; 916-966-6274
<b>TIME</b>		<b>RESERVATIONS</b>
Board Meeting	5:00 PM	Please contact Connie Buchan, SMUD  Please make your reservations before 3:00 PM, Friday, October 15 916-732-6404 <a href="mailto:connie.buchan@smud.org">connie.buchan@smud.org</a>
Dinner	6:00 PM	
Presentation	7:00 PM	
<b>ADMISSION</b>		<b>PLEASE NOTE:</b>
Member w/reservation	\$25	Because we are charged, we must bill for reservations made but not kept.
Member w/o reservation	\$30	
Non-member w/reservation	\$30	
Non-member w/o reservation	\$35	
Full time Student	\$10	

*Please share this Newsletter in your office.*

## *FIVE meetings for the price of FOUR*

The Mother Lode Section is 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](mailto:connie.buchan@smud.org)

## *Prez Sez*

The following excerpt is from an article titled "10 Technologies that deserve to die" by Bruce Sterling, published in the Technology Review, October 2003. The author lists the incandescent light bulbs with other technologies as Nuclear Weapons, The Internal-Combustion Engine and Land Mines...

### Incandescent Light Bulbs

In reality, these sad devices are "heat bulbs". Supposedly a lighting technology, they produce nine times more raw heat than they do illumination. The light they do give,

admittedly, is still prettier than the eerie glow of compact fluorescents and light-emitting diodes. But it's still a far cry from the glories of natural daylight.

Plus there's the cost of light bulbs, their fragility, the replacement overhead, the vast waste of energy, glass, and tungsten, the goofy hassle of running air conditioners to do battle with the blazing heat of all these round little glass stoves...let's face it, these gizmos deserve to vanish.

They will be replaced by a superior technology, something cheap, cool, and precisely engineered, that emits visible wavelengths genuinely suited to a consumer's human eyeball. Our descendants will stare at those vacuum-shrouded wires as if they were whale-oil lanterns.

**Tim Welch**

Section President  
916-787-6630  
[tjw@cjslighting.com](mailto:tjw@cjslighting.com)

There is one thing which gives radiance to everything. It is the idea of something around the corner.

G.K. Chesterton,  
1874-1936  
English Writer, Poet and Critic

## *More in 04 Recruitment Campaign*

All sections are invited to participate in a competition to see which group can recruit the most members in a given period. The remaining periods are as follows:

- Sept 2004 - Jan 2005
- Feb 2005 - June 2005
- Sep 2005 - Jan 2006
- And so forth

Here is what Sections can win:

- Each NEW member (not students, those in suspense, or removed members) will receive a free copy of the IESNA Ready Reference upon payment of a year's dues.
- A \$1,000 grant directly into the Treasury account of the winning Section.
- Top 5 Individual Recruiters will receive a \$50 coupon toward IESNA products, a recognition plaque, copy of IESNA Ready Reference, and an IESNA golf shirt.
- The winning Section and top five recruiters will be recognized in LD+A, and during the Annual Conference.

**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.

- Assist in accelerating the ascent of the IESNA as the leader in lighting
- Enhance the impact of the IESNA on the lighting community
- Recognize present and future challenges in the lighting industry and discuss and determine the role of the IESNA in meeting them
- Enhance the relationship between the society's committee work and the sections

- Draw the IESNA community closer together around common objectives
- Celebrate the people of the IESNA – past and present – and tell their stories
- Engage members, prospective members and students
- Honor and involve members and friends of the IESNA
- Identify new aspirations and forms of cooperation within the IESNA and with other professional societies

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](mailto:litegal@surewest.net)

## **Education**

The "Introduction to Lighting" course that was originally scheduled for October 2 will be rescheduled for the spring.

We will be offering the ED-100, Lighting Fundamentals course, shortly after the Introduction to Lighting Course is completed.

Please contact me if you would like additional information.

**Mark Crume**

Education Chair  
[rcrume@smud.org](mailto:rcrume@smud.org)  
 916-732-6672

## **IIDA**

Now is the time to be thinking about getting those submittals in for this year's awards. January will come up quickly!

The IIDA program of the IESNA provides a unique opportunity for public recognition of professionalism, ingenuity, and originality in lighting design based upon the individual merit of each entry judged against specific criteria.

If you have any questions, please contact me.

**Frank Frounfelker**

IIDA Chair  
[ffrounfelker@holophane.com](mailto:ffrounfelker@holophane.com)  
 916-725-1903

## Yosemite Section



We are pleased to announce that we had a successful kick off meeting on September 23rd, in Fresno.

We were joined by Tom Tolen, IES Region VP for the South Pacific Region and Jim Benya of Benya Lighting Design who provided an informative educational segment on "Changes to Title 24 for 2005". The topic was certainly valued and well received by the 38 people who attended.

In the next week, those who have expressed an interest in our initiative, an email will be sent to you detailing positions available as an IES Officer or a member of the Board

of Managers. If you are interested in sharing in the responsibility and would like to participate or nominate someone you feel would bring value to any of the positions, we will provide an official ballot that will be brought to the members for a formal vote. In addition, we will provide a listing of educational seminars that are being considered for the upcoming year.

NOTE: If you have not been notified electronically about the Yosemite Section and would like to participate, please contact me for more information.

In order to achieve a status of sustainability as an IESNA Section, the

Yosemite Section will require a minimum of 25 members. Our local membership is currently at 13 members. We are certainly well within reach of achieving our objective.

Again, a special "Thank You" to Jim Benya and Tom Tolen for taking time in coming to Fresno and making our kick off meeting tremendous success. We also thank those who attended and are bringing value to this initiative.

*Jay Marshall*

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*California Energy  
Commission's  
"Blueprint  
Newsletter."*

The Blueprint is published quarterly to provide updated information and clarifications regarding California's Title 24 Building Energy Efficiency Standards.

The newsletter reaches energy officials, builders, energy consultants, contractors, engineers and other professionals that need to know about the Energy Standards. The Energy Commission distributes the Blueprint through the web at:

[http://www.energy.ca.gov/efficiency/blueprint/pdf/2004\\_76\\_FALL\\_BLUEPRINT.PDF](http://www.energy.ca.gov/efficiency/blueprint/pdf/2004_76_FALL_BLUEPRINT.PDF)

The current newsletter includes the second of a two-part "Seeking Excellence" article on the Community Energy Efficiency Program (CEEP), an article on how the Commission pursues complaints, as well as articles on Submitting adjustments to Default Outdoor Lighting Zones and Early Adopter Lighting Credits.

To subscribe or unsubscribe to the Blueprint, please e-mail:

[CECblueprint@energy.state.ca.us](mailto:CECblueprint@energy.state.ca.us)

*E&TC...*

**SMUD Energy & Technology Center Lighting Programs:**

**Museum Lighting**

Illuminating museum quality paintings and sculptures is an art unto itself. Frank Florentine, LC, a Lighting Designer with the Smithsonian National Air and Space Museum, will discuss up-to-date lighting methods for displaying such pieces. Issues addressed will include UV and heat, aiming angles, illuminance intensities, color temperatures and choosing the correct lamps for specific applications.

**When:**

November 4, 2004, from 8:30 a.m. – Noon

**Cost:** \$25

**Register**

To register for this course:

[www.smud.org/etc](http://www.smud.org/etc)

Call (916) 732-6738

E-mail [etcmil@smud.org](mailto:etcmil@smud.org)

Fax (916) 732-6229

Contact: Connie Buchan

[connie.buchan@smud.org](mailto:connie.buchan@smud.org)

*Just for Fun*

**How Many Dogs Does It Take to Change A Light Bulb?**

**Golden Retriever:**

The sun is shining, the day is young, we've got our whole lives ahead of us, and you're inside worrying about a stupid burned out bulb?

**Border Collie:**

Just one. And then I'll replace any wiring that's not up to code.

**Dachshund:**

You know I can't reach that stupid lamp!

**Rottweiler:**

Make me!

**Boxer:**

Who cares? I can still play with my squeaky toys in the dark.

**Lab:**

Oh, me, me!!!!

Pleeeeeeeeeeze let me change the light bulb! Can I? Can I? Huh? Huh? Huh? Can I? Pleeeeeeeze, please, please, please!

**German Shepherd:**

I'll change it as soon as I've led these people safely from the dark, checked to make sure I haven't missed any, and made just one more perimeter patrol to ensure that no one has breached the security of this home.

**SUSTAINING & SUBSCRIBING MEMBERS**

<b>Capitol City Design</b>	Tony Baker
<b>City of Sacramento</b>	Wes Hiratsuka
<b>CJS Lighting</b>	Robert O'Flaherty
<b>Gale Spencer</b>	Gale Spencer
<b>Interface Engineering, Inc.</b>	Stuart Lindsay
<b>Lighting Systems</b>	Keith Roberts
<b>M. Neils Engineering, Inc.</b>	Mike Neils
<b>Sacramento Municipal Utility District</b>	Connie Buchan



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**PROGRAMS** - Connie Buchan, SMUD

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