



February 2007

The Lantern

The Newsletter of the Mother Lode Section of IESNA



Color Counts! New Considerations in Designing Outdoor Lighting

Speaker: Dawn De Grazio, LC, Holophane

Visual science, like all other sciences, is constantly evolving. Sometimes that means that old beliefs and methods are revised because of new information that is uncovered. Existing calculation methods treat all lumens (and footcandles) equally. New research shows that, especially in low light levels (like roadways and many parking lots), the color of the light makes a difference in how well we can see. The trickle-down effect: Calculation methods must take this into account in order to provide appropriate illumination. (Current methods do not.)



This seminar provides the necessary background information for understanding the new research findings and the function of the eye under low ambient lighting conditions. The implications as far as safety, security, and energy efficiency are profound.

DATE

Wednesday, February 21, 2007

MENU:

Buffet set-up by Anthony's Italian

TIME

Board Meeting	5:00 PM
Social	6:00 PM
Dinner Served	6:30 PM
Presentation	7:00 PM

LOCATION

Energy & Technology Center
Sacramento Municipal Utility District (SMUD)
6301 S Street
Sacramento, CA 95817

ADMISSION

Full-time student	\$ 5
With Reservation	\$ 10
Without Reservation	\$ 15

Please make your reservations by 3:00 PM
Monday, February 19, Miguel Castellanos,
Ecom 916-570-1576 mac@ecomeng.com

Please note: Because we are charged, we must bill for reservations made but not kept.

Please share this Newsletter in your office

What's New in the Yosemite Section? Please see page 6



February Speaker's Bio:

Dawn Degrazio currently works for Holophane as the Manager of the Light & Vision Center, Training & Education. She is responsible for Holophane's sales training program, customer seminars, and project-oriented customer visits, including some of the teaching at those events. Dawn is active in the Illuminating Engineering Society of North America, at the section, region and Society levels. She helped to write the new Quality Lighting and Industrial Lighting chapters in the current IES Handbook, and the new Recommended Practice for Industrial Lighting, RP-7-01. She is the Chair of the Educational Seminars Committee and is a member of the Quality of the Visual Environment (QVE), Industrial Lighting, and Distinguished Service Award committees.

Proposed By-Laws

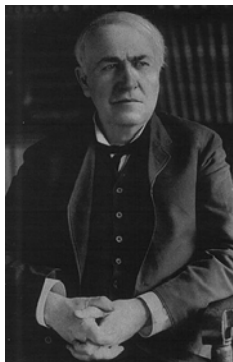
The proposed revised Mother Lode Section By-Laws are now available for review by members at large on the section website at:

<http://www.iesmotherlode.org/news.htm>.

Lighting in Politics

By Miguel Castellanos

Did you know over 100 years ago, one of the most important patent infringement cases in the world occurred with an American inventor named Thomas Edison? The famous 1890 case over patent number 223,898, between Edison Electric Light Company and United States Electric Company would settle who would profit from a new electric device known as a "light bulb".



John Ambrose Flemming.

The legal matter was quite lengthy lasting years, drawing many witness testimonials from scientists. (Funny how our judicial system didn't improve over the last 100 years like the light bulb). The case was settled when on July 8, 1890, a scientist named John Howell came forward and presented a box of light bulbs to seal the legal victory. According to records, there was a bulb in the set that proved Edison had indeed invented the light bulb 21 years prior to his rival,





After the victory J.P. Morgan played a major role in merging Edison Electric and another manufacturer, in turn bringing to light: General Electric (GE). Years had gone by afterwards, and amidst the merger, the light bulbs that proved to play such a vital role in GE's history were lost.

It wasn't until 2002, when they were rediscovered in the attic of a house in the United States. There were 22 bulbs, encased by a wooden box, believed to be the original box from the historic legal case.



Recently, the Edison bulbs found their way to London, where they were slated to be auctioned by Christie's. Unfortunately, they failed to meet the minimum reserve bid of 200,000 pounds and so, were returned to the owner who remains anonymous.



You probably wouldn't worry about what people think of you if you could know how seldom they do.
-Olin Miller

Just for Fun

A preacher visited an elderly woman from the congregation. As he sat on the couch, he noticed a large bowl of peanuts on the coffee table.

"Mind if I have a few?" he asked.

"No, not at all," the woman replied.

They chatted for an hour, and as the preacher stood to leave, he realized that instead of eating just a few peanuts, he had nearly emptied the bowl. "I'm sorry for eating all your peanuts; I really just meant to eat a few," he said.

"Oh, that's all right," replied the woman. "Ever since I lost my teeth all I can do is suck the chocolate off them."

Juan Jose's Tidbits...

By Juan Jose Villatoro

In 1927, the newspaper mogul William Randolph Hearst told architect Julia Morgan that he wanted to built "a little something" on the California coast; no one would have imagined the magnitude of the construction. Eighteen years later, "La Casa Grande (commonly called Hearst Castle) crowned "La Cuesta Encantada", (Enchanted Hill) above the San Simeon coast.

Today after the property where castle sits, was donated to the California State Park system, it is available for all to enjoy. The complex It is a 165-room Moorish castle with 127 acres of gardens, terraces, pools and walkways, furnished with Spanish and Italian antiques and art, flanked by three large guest houses, lighted tennis courts and two magnificent swimming pools, one indoor and one outdoor.

In its prime, Hearst Castle had a zoo, airstrip with a commercial passenger airplane, a pier, cattle and dairy ranch. While writing about the castle and its contents could fill volumes, I will share only a few items to entice your lighting appetite.

Although an argument could be made that some of the items were modified or partially destroyed during the fabrication of these new items, an equally strong argument can be made for all other items that were collected through the world, and are preserved and available for all of us to enjoy.

Incidentally, in the indoor Roman bath pool, the entire room from the bottom of the pool to the ceiling is decorated in one-inch square, glass mosaic tiles in cobalt blue and clear with real gold behind. This is the only place in California that I know of where you can walk on 24-karat gold!



Marble pole and alabaster lamp shade both hand carved, indoor pool.



Marble pole and alabaster lamp shade both hand carved, Neptune's pool gardens. Many of these light the gardens and pathways.



Marble pole with three hand carved Albatross and alabaster lamp shade, carved, outdoor gardens

Additional pictures on the following page...

*Additional Pictures from Juan Jose's Tidbits
(article on previous page)*



Lampshade made of Sheepskin out of a Gregorian Chants music sheet. The music print is so large so everyone in the choir could sing from only one book since books were very rare and printing had not yet been invented.



Lampshade made of Sheepskin depicting original Indenture documents. (Have you ever heard of "selling one's soul for seven years"?)



Asian Jade Table Lamp, hand carved from a single piece of jade.



Italian sculpture of Venus bathing, bronze lamp with brown patina.



Xian Dynasty vase made into a lamp.



The
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What's New in the Yosemite Section?

I would like to formally recognize Ron Naus of BK Lighting for providing an IESNA ED-50 education seminar on November 18th, 2006. The course was well received by over 25 attendees and presented a nice transition to our ED-100 initiative. We appreciate your on-going efforts and continued support

Jay Marshall

On Wednesday, January 24th, we hosted a Lamps and Ballasts presentation, part of our ED-100 initiative (ED100.1 and ED100.3). Dick Erdmann of G-E Lighting provided a technical presentation that was well attended with nearly forty participants, and the dinner at Samba's Brazilian Steakhouse wasn't too shabby either.

Please mark your calendar, Thursday, February 22, as we have Dawn DeGrazio, LC visiting the Fresno area and providing a tremendous presentation on:

Light and Shadow: The Yin-Yang of Lighting Design

As we value our membership's input, please feel free to contact any of our Officers, Board of Managers and/or Committee Chairs with any suggestions. In addition, if you would like to become more involved by participating as a Committee Chair please introduce your interest at your convenience.

SECTION PRESIDENT
Jay Marshall 559-291-1256
jmarshall@holophane.com

SECTION VICE-PRESIDENT
Pete Chapman 916-929-5111
pchapman@cal-lighting.com

SECTION TREASURER
Richard Hardin P.E. 559-323-4995
rh@hardineng.com

SECTION SECRETARY
Davor Golik P.E. 559-276-5144
davor@dpgengineering.com

EDUCATION CHAIR
Ron Naus 559-438-5800
ron.naus@bklighting.com

MEMBERSHIP CHAIR
Don Stockton 559-454-8021
dstockton.cbc@lighting.net

**MOTHER LODE SECTION
SUSTAINING MEMBERS**

California Energy Commission Gary Flamm
Capitol City Design Tony Baker
CJS Lighting Robert O'Flaherty
Lighting By Design Gale Spencer
M. Neils Engineering, Inc. Mike Neils
Sacramento Municipal Utility District Alan Suleiman

**MOTHER LODE SECTION
2006-2007**

OFFICERS

PRESIDENT
 John Hickman, LC; Hubbell Lighting, Inc.
 916-412-6995 jhickman@hubbell-ltg.com

VICE PRESIDENT
 Miguel Castellanos, ECOM Engineering
 916-641-5600 mac@ecomeng.com

SECRETARY
 Melissa Blevins, Ca. Lighting Technology Center
 530-757-3452 mablevins@ucdavis.edu

TREASURER
 Meggan Kessler, Holophane Lighting
 916-670-6677 Meggan.Kessler@Holophane.com

BOARD OF MANAGERS

Doug Coleman, CAL Lighting
 916-929-5111 dcoleman@cal-lighting.com

Owen Howlett, HMG
 916-962-7001 howlett@h-m-g.com

Steve Sheckells, SMUD
 916-732-6614 sshecke@smud.org

Juan Jose Villatoro, M. Neils Engineering Inc
 916-923-4400 jjvillatoro@mneilsengineering.com

PAST PRESIDENT

Connie Buchan, SMUD
 916-732-6404 connie.buchan@smud.org

COMMITTEE CHAIRS

IIDA - Doug Coleman, CAL Lighting

PROGRAMS - Miguel Castellanos, ECOM Engineering

MEMBERSHIP, HISTORIAN

Gale Spencer, Lighting By Design, 916-649-2220
litegal@surewest.net

PR/AWARDS, LANTERN EDITOR

Gary Flamm, CEC 916-654-2817
gflamm@energy.state.ca.us

WEBMASTER - Abhijeet Pande, HMG

<http://www.iesmotherlode.org>



**SOCIETY PRESIDENT
(2006 - 2007)**

Kevin Flynn
 Kiku Obata & Company
 6161 Delmar Blvd, Suite 200
 St. Louis, MO 63112-1203
 E-Mail: kflynn@kikuobata.com
 Tel: 314-361-3110

**REGIONAL VICE PRESIDENT
(2006-2009)**

SOUTH PACIFIC COAST
 Thomas Grunwald
 Holophane
 16039 N 41st Place
 Phoenix, AZ 85032
 E-mail: tgrunwald@holophane.com
 Telephone: 602-971-0461