



*The National Aquarium in Baltimore, site of the 2003 ASP banquet (photo courtesy of [www.baltimore.to](http://www.baltimore.to)).*

## ASP Annual Meeting in Baltimore

It's not too late to register for the 31st annual meeting of the ASP, taking place from Saturday July 5 to July 9 at the Hyatt Regency in the spectacular inner harbor area of Baltimore. The program features a keynote lecture by **Tito Scaiano**, other special talks on cutting edge research, and the latest on DNA damage and repair, photodynamic therapy, photoimmunology, circadian entrainment, the new evolving field of photogenomics and proteomics, photoecology, molecular sensors, and many other photobiology and photomedicine topics. There are diverse recreational opportunities to take in before and after the meeting and between sessions. So register and don't forget to sign up for the ASP banquet, which will be at the world renowned National Aquarium Baltimore in the harbor near the Hyatt. After relaxed dining and conversation, banquet attendees will have evening admission to the Aquarium exhibits. The first 125 to sign up will also get to see the Aquarium's Shark Quest, a spectacular special event. So don't procrastinate, go ahead and click on [www.photobiology.org](http://www.photobiology.org).

- **John Spudich**, Scientific Program Chair

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*Shot Tower, a National Historic Landmark in Baltimore's Inner Harbor. From 1828-1892, molten lead was dropped from the top of this 234 foot tower through a sieve and into a vat of water to form lead spheres to be used as rifle shot. Photo courtesy of [www.baltimore.to](http://www.baltimore.to).*

# Farewell from Henry Lim ASP President, 2002-2003

As we approach the 2003 Annual Meeting, this is the last opportunity for me to communicate with you in this newsletter as President. It has truly been an honor and pleasure to serve and, as importantly, to work with the many talented members of our Society.

As I complete my term, this would be the appropriate time to reflect upon the progress in addressing the four topics that I thought were important to the ASP when I ran for election in 2001.

*1. Equitable representation of scientific interests of all members.* The Council and John Spudich, our Past-President and Chair of the 2003 Scientific Program Committee, have established a Scientific Program Committee. Each division of the ASP is represented; members serve on a rotating, multiyear term. This ensures consistency and an equal representation of members from all five ASP divisions.

*2. Coordination with other related societies.* To enhance the impact of the ASP, with the support of the Council, we have been successful in enhancing the interactions with other professional societies. The ASP was represented in



Tom Moore, ASP President  
(2003-2004)

the first Latin American Congress of Photobiology (Lima, Peru) in October, 2002. We are actively participating in the planning of the International Congress of Photobiology (Cheju Island, Korea, June, 2004), in which ASP members will be well represented as session leaders, and the ASP Plenary Lecture will be delivered by **Thomas Moore**, our

President-Elect. Furthermore, the ASP is a co-sponsor (with the U.S. Food and Drug Administration and the American Academy of Dermatology) of a scientific conference on the effect of ultraviolet radiation on the skin, to be held in June 2003, in Washington, D.C..

*3. Recruitment of new members.* Under the leadership of **Lisa Kelly**, the Membership Committee has been proactive in enhancing our membership base.

*4. Enhancement of administrative support.* The transition to a new Executive Secretariat has been completed and our new Executive Secretary, **Linda Hardwick** has been responsive to our needs. I am confident that her office will continue to provide the appropriate administrative support to the Society.

(continued on next page)

# Letter from the Editor

Next time you're on the web, please stop by the ASP site at [www.photobiology.org](http://www.photobiology.org) and take a look around. I have been writing biweekly photobiology news items for the past year, most of which have featured the research of ASP members. Do you read these news items? Are they useful? We are planning an internet-based survey to ask members this and other questions about our web site. We are also trying to better integrate the society's web site with the ASP business site maintained by the secretariat and the site maintained by *Photochem Photobiol.*

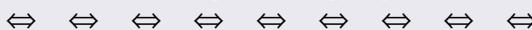


By now, you all know that this year's Annual Meeting is at the Baltimore inner harbor Hyatt from July 5-9. In case you haven't yet registered, visit [www.photobiology.org](http://www.photobiology.org) and click on "Meetings". Also, please mark your calendars for our 2004 Annual Meeting. We'll be at the Westin Hotel in beautiful downtown Seattle from July 10-14.

I look forward to meeting you all in Baltimore, so please stop me to say hello!

## ASP News

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American Society for Photobiology  
[www.photobiology.org](http://www.photobiology.org)



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# The Other ASP...

While web searching the other day, I turned up an American scientific organization that is known to its members as the ASP, has about 1200 members, a web site located at a mid-western university, a meeting this summer, and a previous president recently elected to the National Academy of Sciences. No, not the American Society for Photobiology, but the American Society for Parasitologists! Visit their web site at [asp.unl.edu](http://asp.unl.edu) to find out more.

- PAE

## Farewell from Henry Lim ASP President, 2002-2003 (continued from previous page)

There are clearly new issues that we need to address as we move forward. We must continue to be vigilant in maintaining the financial health of our Society. **Dan Yarosh**, our current Treasurer, has done a superb job in keeping a close watch on our finances. As Dan steps down from this position, we need to make sure that the new Treasurer (to be selected in the July 2003 Council meeting) is given the support needed to perform his/her responsibility. *Photochemistry & Photobiology* is an important and integral part of our Society. We need to provide the incoming editor, **John Simon**, the support that he needs to build upon the superb foundation that has been provided by the outgoing editor, Tito Scaiano.

Sincere congratulations to **Woody Hastings**, previous ASP president, who was recently elected to the National Academy of Sciences. It is a well-deserved honor for Woody, who has made significant contributions in the field of bioluminescence. Please read the detailed accomplishments of Woody in this issue.

The results of our recent election are posted in this issue. We have elected a superb group of individuals to help guide our Society in the coming years. Please join me in welcoming them aboard.

In closing, I would like to thank all of you for giving me the honor of serving as your President. I look forward to welcoming Tom Moore as President in July, and to working with many of you as I assume the Scientific Program Chair for the 2004 annual meeting in Seattle.

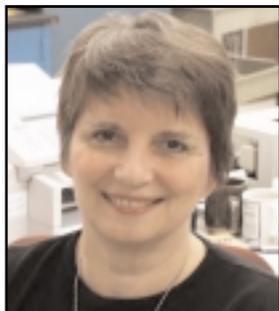
## ASP Election Results and Award Winners

### Election Results

- **President-Elect**  
Frances Noonan
- **Council**  
Rosalie Crouch (Div 2)  
John Sutherland (Div 1)  
Steve Ullrich (Div 4)  
Tom Vogelmann (Div 3)

### Prize Winners

- **New Investigator Award**  
John Christie  
Glasgow University
- **ASP Research Award**  
John Spudich  
University of Texas Medical School



Frances Noonan, ASP  
President-Elect

## Hastings Elected to National Academy



Dr. **Woody Hastings**, charter member of the ASP and recent ASP President (2000-01), was elected to the National Academy of Sciences on April 29, 2003. Dr. Hastings is the Paul C. Mangelsdorf Professor of Natural Sciences at Harvard University. He is the co-editor of three books and more than 400 publications in peer-reviewed

science journals. The NAS, established in 1863, is a private organization of scientists and engineers that advises the federal government. It currently has about 2000 members, including many Nobel Prize winners.

ASP members know Dr. Hastings for his active research on the mechanism of circadian rhythms. In the late 1950's, he published several seminal papers with **Beatrice Sweeney** that documented a circadian rhythm of bioluminescence in *Gonyaulax polyedra*, a unicellular ocean dwelling dinoflagellate. His more recent studies have demonstrated that this circadian rhythm involves the synthesis and degradation of proteins involved in the bioluminescence reaction and that these proteins are regulated at the translational level.

Dr. Hastings has also studied bioluminescence in many other organisms, including fireflies, bacteria, fish, and fungi. His early work on bioluminescence of the jellyfish, *Renilla reniformis*, clarified the role of green fluorescent protein (GFP) as an accessory protein in its bioluminescence. GFP is now extensively used as a reporter protein in studies of gene expression. Dr. Hastings is also credited with discovery of autoinduction in bioluminescent bacteria. This phenomenon, now known as 'quorum sensing', shows that bacteria communicate with one another and monitor population density by the use of quorum sensing molecules. Quorum sensing is now known to play an important role in infections by many pathogenic bacteria.

Dr. Hastings' current research is focused on the molecular mechanism of circadian rhythms and the biochemistry and cellular biology of bioluminescence in *Gonyaulax*.

- PAE



# Farrington Daniels, 1918 - 2002

Dr. **Farrington Daniels**, charter member of the ASP and professor emeritus of medicine and of public health at the Cornell University Medical College, died on November 12, 2002. He was 84.



A groundbreaking dermatologist, Dr. Daniels' early research helped lead to the correlation between ultraviolet radiation (UV), sunburn, skin cancer, and aging. His findings prompted further study on the environmental impacts of UV radiation caused by the increased depletion of the ozone layer. As the former chief of the Stress Physiology Branch at the Quartermaster Research & Development Center (U.S. Army) in Natick, Massachusetts, Dr. Daniels explored the physiology of frostbite and sweating, contributing to the design of military equipment and clothing of the Korean War.

Nearly 13 years after serving his medical residency at The New York Hospital-Cornell University Medical College, Dr. Daniels was appointed associate professor of medicine and served as head of the Dermatology Division at Cornell University Medical College from 1962 until 1981. He served as professor of public health from 1972 to 1984.

Born in Madison, Wisconsin, Dr. Daniels began his medical career at the University of Wisconsin before transferring to Harvard Medical School, where he graduated with the accelerated wartime class of '43B in December of 1943. Two years later, Dr. Daniels was commissioned a first lieutenant in the U.S. Army Medical Corps, later serving as chief of Medical Service in the 153rd Army Hospital in the Philippines, until leaving the Army as captain in 1947.

Dr. Daniels' many interests included photography, history, and tree planting.

He is survived by his wife, Alice, their three children, and five grandchildren.

A memorial service was held on Saturday, December 7, 2002, at the First Congregational Church in Madison, Wisconsin.

*(Adapted with permission from the Dean's Bulletin of Cornell University Medical College)*

# CIE Quadrennial Meeting

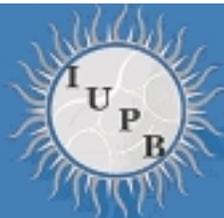
Once every four years an important International Conference of the CIE takes place somewhere in the world. In June 2003, after 36 years, the quadrennial conference will again be held in the United States.

This conference offers the opportunity to exchange ideas among world-wide experts in the field of lighting, vision, and applied photobiology. The CIE prepares reports and standards on all matters relating to the science and art of lighting. The letters CIE stand for the Commission Internationale de l'Eclairage, whose English translation is "International Commission on Illumination". The CIE is recognized by the International Standards Organization (ISO), the International Electrotechnical Commission (IEC), and the European Standards Organization (CEN) as the International Standards writing organization responsible for standards in the science of light such as color and vision and all the forms of lighting.

The CIE consists of member countries (40 at present) belonging as National Committees. The US National Committee is the CIE/USA. The national committees in turn represent the technical societies, national laboratories, universities, and industry concerned with lighting, color, applied photobiology and image technology. Seven Divisions make up the CIE and CIE Division 6 on Photobiology and Photochemistry has sessions on 26, 27, 28 and 30 June. There are a total of 133 Technical Committees which do the work of the CIE. Many of these are working on Technical Reports, Recommendations, and Standards. The latter can become joint International Standards with the ISO, such as ISO/CIE Standard on Illuminants for Colorimetry, Colorimetric Observers, and Road Traffic lights. Soon to be approved is the CIE standard on Photometry as a joint ISO/CIE standard. This sets the basis of all physical measurement of light, ultraviolet and infrared in any form. The CIE Standard Observer (1931) for photopic measurement is used worldwide in every photometric instrument. All color measurement is likewise based on the ISO/CIE color standards.

- David Sliney





# 14th INTERNATIONAL CONGRESS ON PHOTOBIOLOGY

In Conjunction with Annual/ Biennial Meetings of Korean Society of Photoscience, Photobiology Association of Japan, and Asia and Oceania Society for Photobiology

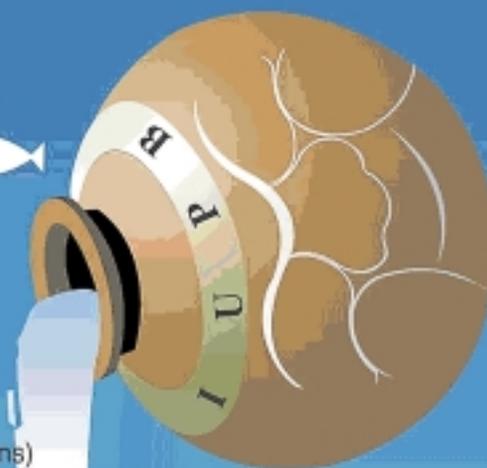
June 10 -15, 2004,

International Convention Center, Jeju(Cheju), Korea

## Scientific Program for the Congress:

- Finsen Medal Lectures
- Finsen Award and Edna Roe Award Lectures
- Plenary and Special Lectures and Symposia
- Contributed Papers (Oral and Poster Presentations)
- Satellite Meetings (before/after the Congress to be arranged and organized.)

Plan ahead to be at ICP-2004 on the island of Jeju (Cheju), known as Hawaii of the Far East for its natural beauty and exotic sceneries including volcanic mountain (1950 m Mt. Halla, inactive), 400 cindercones ("O-Leum"), fantastic beaches, golf courses, hunting, horse racing and, of course, seafood.



### For information and suggestions, contact Congress Office:

- Prof. Tai-Yong Lee (SMU), Hon. Congress President
- Prof. Pil-Saek Song (KUST), and UNLV, Congress President
- Prof. In-Soo Kim (Kyungpook Nat. Univ.), Program Chair
- Prof. Hisayuki Tsutsi (Hiroshima Inst. Tech.), Program Co-Chair
- Prof. Kwan-Saek Choi (Chungnam Nat. Univ.), Finance Chair
- Prof. Ilmannon Minusio (Kyoto Univ.), Finance Co-Chair
- Prof. Doo-Khil Moon (Cheju Natl. Univ.), Local Host Chair
- Prof. Tai-Ryong Haik (Kyung Hee Univ.), General Secretary

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Links: [www.bric.postech.ac.kr/photoscience](http://www.bric.postech.ac.kr/photoscience)  
[knu.ac.kr/jeju](http://knu.ac.kr/jeju)  
[www.POL-us.net](http://www.POL-us.net)



**Sponsored by** : International Union of Photobiology

**Co-Sponsored by** : American Society for Photobiology, Association for Photosciences in the Tropics, European Society for Photobiology, Cheju National University, Kumho Life and Environmental Science Laboratory/Kumho Group, Kyung Hee University Plant Metabolism Research Center, IUPB-member national societies.

**Hosted by** : Korean Society of Photoscience

**Co-Hosted by** : Photobiology Association of Japan and Asia and Oceania Society for Photobiology



# Upcoming Events

## June 10-11, 2003

*7th International Conference on Sun Protection: A time of change*  
The Royal Society, London  
Tel: +44(0)20-8399-2197  
Fax: +44(0)20-8693-1943  
E-mail: info@summit-events.com

## June 22-25, 2003

*European Conference on Biomedical Optics*  
Munich, Germany  
Web site:  
spie.org/Conferences/Calls/03/ebo/index.cfm

## June 22-27, 2003

*Gordon Research Conference: Photosynthesis*  
Roger Williams University  
Bristol, RI  
Chair: Marilyn Gunner,  
gunner@sci.cny.cuny.edu  
Vice Chair: Sabeeha Merchant,  
merchant@chem.ucla.edu

## June 22-27, 2003; July 20-25, 2003; Jan 11-16, 2004; March 14-19, 2004

*Protein Purification: Isolation, Analysis, and Characterization of GFP*  
Cook College, Rutgers University, New Brunswick, NJ  
Contact:  
Prof. William W. Ward  
Tel: 732-932-9562 ext. 216 or 212  
E-mail: crebb@rci.rutgers.edu  
Web site: www.rci.rutgers.edu/~meton/protein.html

## June 26-30, 2003

25th Quadrennial Session of the CIE (photobiology sessions)  
Town and Country Hotel, San Diego, California  
Tel: (520) 293-3198  
Fax: (520) 293-3193  
E-mail: ida@darksy.org  
Web site: www.cie-usnc.org/25th\_quadrenium.htm

## July 5-9, 2003

*31st Annual Meeting of the American Society for Photobiology*  
Inner Harbor Hyatt  
Baltimore, MD  
Contact:  
Prof. John L. Spudich  
E-mail: John.L.Spudich@uth.tmc.edu  
Web site: www.photobiology.org

## July 15-18, 2003

*InterOpto 2003*  
Chiba, Japan  
Contact:  
InterOpto Secretariat  
OITDA

Sumitomo Edogawabashiekimae Bldg. 7F, 20-10  
Sekiguchi 1-Chome Bunkyo-ku  
Tokyo, 112-0014 Japan  
E-mail: interopt@oitda.or.jp  
Web site:  
www.oitda.or.jp/io03information.html

## July 20-25, 2003

*Gordon Research Conference: Photochemistry*  
Mount Holyoke College  
South Hadley, MA  
Chair: Laren M Tolbert, laren.tolbert@chemistry.gatech.edu  
Vice Chair: Vaidhyanatha Ramamurthy,  
murthy@tulane.edu  
Vice Chair: Kirk S Schanze,  
kschanze@chem.ufl.edu

## July 26-31, 2003

*XXIst International Conference on Photochemistry*  
Nara, Japan  
Contact:  
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Sumiyoshi,  
Osaka 558-8585 Japan  
Tel and Fax: +81-6-6605-2552  
E-mail: icp21@sci.osaka-cu.ac.jp  
Web site: dolphin.ap.eng.osaka-u.ac.jp/icp21.html

## August 3-8, 2003

*Advances in Optics for Biotechnology, Medicine and Surgery*  
Banff Conference Center  
Banff, Alberta, Canada  
Web site:  
http://www.engconfintl.org/3an.html

## August 3-8, 2003

*SPIE 48th Annual Meeting*  
San Diego, CA  
Contact:  
SPIE  
P.O. Box 10  
Bellingham, WA 98227-0010 US  
E-mail: spie@spie.org  
Web site:  
www.spie.org/conferences/calls/03/am/

## August 30 - September 4, 2003

*10th European Conference on the Spectroscopy of Biological Molecules*  
Szeged, Hungary  
Web site:  
www.ecsbm2003.hu/ecsbm2003.html

## September 2-6, 2003

*Plant Photobiology Meeting*  
Philipps-University Marburg  
Marburg, Germany  
Contacts:  
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E-mail: batschau@mail.uni-marburg.de  
Birte Dohle, Secretary  
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Fax: +49-6421-28 21545  
E-mail: dohle@mail.uni-marburg.de  
Web site: http://cgi-host.uni-marburg.de/~ppmm2003/

## September 6-11, 2003

*10th Congress of the European Society for Photobiology*  
Vienna, Austria  
E-mail: office@esp2003.org  
Web site: www.esp2003.org

## October 7-11, 2003

*5th International Symposium on Photodynamic Diagnosis and therapy in Clinical Practice*  
Brixen/Bressanone, Italy  
Contacts:  
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Fax: +43-512-5042641  
E-mail: Herwig.Kostron@uibk.ac.at  
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Tel: +39-049-8276333  
Fax: +39-049-8276344  
E-mail: jori@bio.unipd.it  
Web site:  
neurosurgery.uibk.ac.at/PDT2003.html

## June 10-15, 2004

*14th International Congress on Photobiology*  
International Convention Center  
Jungmoon, Jeju (Cheju), Korea  
Web site: photos.or.kr/ICP2004/

## July 10-14, 2004

*32nd Annual Meeting of the American Society for Photobiology*  
Westin Seattle  
Seattle, WA.

## August 2-6, 2004

*13th International Symposium on Bioluminescence and Chemiluminescence*  
Conference Center of Pacific Yokohama  
Yokohama, Japan  
Contact:  
Prof. Akio Tsuji  
Tel: +81-3-3784-8194  
Fax: +81-3-3784-8247  
E-mail: BXP02045@nifty.ne.jp  
Web site:  
www2.unibo.it/isbc/Files/BC\_Symnf.htm

## August 29-September 3, 2004

*13th International Congress on Photosynthesis*  
Montreal, Canada  
E-mail: ps2004@uqtr.ca  
Web site: www.uqtr.ca/ps2004/

## 2005

*33rd Annual Meeting of the American Society for Photobiology*  
Quebec City, Canada