



NEWSLETTER

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Photobiology in the Sun

Stimulating presentations, intense discussions, and balmy weather characterized the 1987 ASP annual meeting held in Bal Harbour, Florida. Attendees often had to make difficult choices between the twelve symposia, nine contributed paper sessions, and a poster session. Several of the symposia covered topics which crossed the borders of traditional areas in photobiology. For example, the audience for "Optics of Biological Tissues" included investigators in the areas of photomorphogenesis, photosynthesis, and photomedicine. "Charge and Energy Transfer in Model Biomembranes" drew investigators in photochemistry, photosynthesis, and other areas. Four Photobiology Schools (held at 8:00 A.M.) and four lectures rounded out the program. The ASP Research Award was presented to Dr. Thomas Dougherty for his research on fundamental and applied aspects of photodynamic therapy (see story on page 2). Luckily, the afternoon thunderstorm ended and skies cleared immediately before the banquet which was held around the pool.

The Business Meeting was more highly attended than in many previous years, probably due to the scheduled discussion of the dues increase recommended by Council. The topic was strongly debated by many

members. After several viewpoints were expressed and the officers explained the current budget and the reasons for Council's recommendation, the quorum of members attending voted to increase the annual dues for full members to \$45. Student dues will not be increased. The signing of a new agreement with Pergamon Journals for publication of "Photochemistry and Photobiology" was announced. A committee (W. Shropshire - chair, J. Jagger, D. Lytle, P.-S. Song, D. Burk) had evaluated proposals from several publishers.

Based on the thorough investigation of this committee and a recommendation from the Executive Committee the Council had voted to renegotiate an agreement with Pergamon which should result in a shortened publication time and financial benefit to the Society. Future meeting sites were announced: 1988 (March) - Colorado Springs; 1989 (July) - Boston; 1990 (June) - Vancouver; 1991 - Midwest location being sought.

The Council met twice during the annual meeting. Topics discussed included: a proposal for a photobiology lab manual, sites for future meetings, a reconsideration of the previously recommended dues increase for members, appointment of a Newsletter editor, status and changes in "Photochemistry and Photobiology", and committee appointments and functions.

A Past-Presidents' Forum, attended by Past-Presidents and the current Executive Committee, was held for the first time. The motivation for this session was to tap into the experience of the Past Presidents on topics of current concern to the ASP. The topic discussed was alterations in the structure of the officers, such as changing the role of the President-Elect from that of Program Chair to that of a president-in-training. The results were reported to Council.

— Irene Kochevar

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THE GUIDING LIGHT
From the President's Desk

Dear members,

1988 is an ASP "leapyear" because the 10th International Congress on Photobiology will be held in Jerusalem from 30 October to 6 November. Information about this important event can be obtained by contacting: Secretariat, P.O. Box 983, Jerusalem 91009, Israel. Following our tradition the 16th ASP Annual Meeting will be held earlier than usual, from 13-17 March, 1988 at the Broadmoor, Colorado Springs. The Call for Papers was mailed recently to members. If you have not received the material by now, please contact the ASP Secretariat. The abstract deadline is 16 November 1987, with one important exception. Students who are applying for travel awards must submit their abstracts by 16 October 1987, in order to provide adequate time for evaluation by the Grants and Awards Committee. The ASP last visited the Broadmoor in 1980, prior to the Strasbourg Congress. The location was so highly conducive to science and recreation that the Council enthusiastically endorsed a return visit. If you missed the 1980 meeting, I suggest that you take this opportunity to join us at one of the best conference facilities in the U.S.

To close my first regular column as ASP President, I should like to emphasize that the principal function of the ASP Officers, Council, and Secretariat is to be of service to the members. ASP activities require continual liaison between the Secretariat in Virginia, the Editorial Office in Nebraska, and the publisher in Devon, U.K. Although we are continually attempting to improve our primary and follow-up procedures, things go wrong from time to time. If you should encounter any problems in delivery or communications involving the ASP, please call me at (312)-567-3378, and I will attempt to resolve it as soon as possible.

— Len Grossweiner

SOCIETY HIGHLIGHTS

Dougherty is Research Awardee

Dr. Thomas J. Dougherty, Roswell Park Memorial Institute, received the second annual research award on June 23, 1987 at the 15th annual meeting of the ASP in Bal Harbour, Florida. The award recognizes his contribution to the field of photochemotherapy, specifically the use of the tumor-localizing compound, hematoporphyrin derivative (HPD) to sensitize tumors to destruction by visible light. Dr. Dougherty was first to demonstrate the potential of photochemotherapy for cure of certain experimental and spontaneous tumors. With his clinical collaborators, he was a pioneer in the application of photoche-



motherapy to treatment of human tumors. To date, over 2,000 patients in several countries have received HPD therapy. Phase 1 trials of HPD are now under way for tumors of the bladder and bronchus, for final U.S. Food and Drug Administration approval, expected in 1989. Dr. Dougherty, who obtained his Ph.D. in organic chemistry from Ohio State University in 1959, has made many significant contributions to the basic science of HPD photochemotherapy, as well as to the problems of optical engineering that need resolving to carry out treatment of patients. — Meyrick J. Peak

SIDELIGHTS

Members, one and all

The ASP has maintained an enviable rate of growth. In the past nine years membership has nearly doubled (833 to 1625). In addition the number of sustaining members has been greatly increased during the past year. The ASP has been strengthened and vitalized by its new members and looks forward to contributions from the following individuals who have become members during June, July and August.

- | | |
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| R. Rox Anderson
Wellman Laboratory | Choon-Hwan Lee
Columbus, Ohio |
| Harry W. Braun, II
Research Analysts | Dae Hyung Lee
Seoul National University |
| David E. Budil
Argonne National Laboratory | Kary B. Mullis
Xytronyx, Inc. |
| Andre G. Golard
New York University | Soo Nam Park
Seoul National University |
| Barbara W. Henderson
Roswell Park Memorial Inst. | Yong Tae Park
Kyungpook National University |
| Heidi Hersberger
Hill Top Research, Inc. | Walter G. Roberts
Beckman Laser Institute |
| Christine Ann Huselton
Univ. Medicine & Dentistry of NJ | Wesley Rockhold
Derma-Test Labs |
| Shuichi Kinoshita
Osaka University | Klaus D. Winclker
Institut fur Biophysik |
| Lark A. Lambert
U.S. Food and Drug Admin. | Welcome! |

Discovering Our Roots

"Glimmerings of the Past" becomes a regular feature with this issue. Historical articles have appeared sporadically in the Newsletter and have served to enhance our appreciation of our roots and our heritage in photobiology. In this column we will review the history of the ASP, sometimes in anecdotal form, and sometimes based on the recollections of a single individual. If those recollections conflict with your own, I invite you to send me your own account. In later issues we will expand this historical coverage to include any areas of photobiology, whether related to the ASP or not.

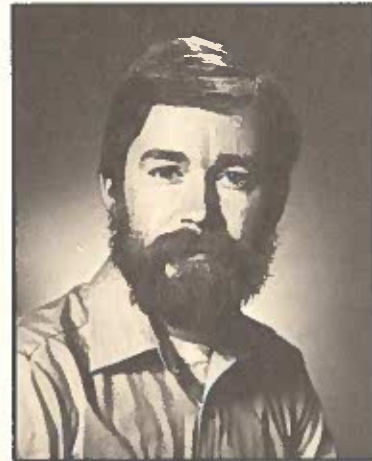
We will begin this series with a look at our own history, the history of the ASP Newsletter. The first Newsletter was published by the U.S. National Committee for Photobiology in October, 1972, edited by Richard Setlow. This is noteworthy because funds were virtually non-existent in the formative days of the Society, yet a portion of the \$10,000 NSF grant, which was to support the National Committee for a full year, was used to distribute a newsletter. The next 11 issues were edited by Kendrick Smith, with issue 5 being the first official ASP Newsletter. The Newsletter, in these days, was a vehicle to drum up support for the concept of the fledgling Society. For a time the president of the Society also edited the Newsletter, thus John Spikes produced issues 13 to 17 (Dec '74 to Dec '75) and Angelo Lamola was responsible for issues 18 to 21 (Jun '76 to Sep '77). Starting with Bodo Diehn's tenure, editors were selected by the Publications Committee. Bodo published issues 22 to 49 (Dec '77 to Sep '81). He was responsible for bringing word processing to the Newsletter (Mar '80) and increased the frequency of publication to monthly. Tom Coohill continued this tradition, editing issues 50 to 102 (Oct '81 to Jun '86). Tom added the capability to publish pictures as a regular feature (Nov '81). Finally, Vincent DeLeo turned out issues 103 to 109 (Jul '86 to Jun '87) and introduced the two column format.

See also, K.C. Smith (1982) Photochem. Photobiol. 35, 597-614 and T.P. Coohill (1986) ASP Newsletter 100.

Daniel J. Cosgrove

"Focus on:" will present a profile of an individual of importance to the Society. The next few issues will devote this space to biographical sketches of our four new council members, presented in alphabetical order.

Daniel Cosgrove was born in Chicopee, MA in 1952, making him one of our youngest council members. He obtained his B.S. in Botany from the University of Massachusetts in 1974, and his Ph.D. in Biological Sciences from Stanford in 1979. Following a year as a visiting scientist in Juelich, FRG he spent a year as a postdoctoral fellow at the University of Washington before accepting a post as Assistant Professor of Biology at Penn State University.



Daniel's research focuses on the mechanism and control of irreversible cell expansion during plant growth. He views this growth as a physical process, investigating the limitations on plant growth under normal and stressed conditions. Light has a pronounced effect on plant growth; it induces young leaves to expand while at the same time suppressing elongation of stems. Daniel and colleagues have found that blue irradiation inhibits stem elongation in young dark-grown seedlings with remarkably fast kinetics: lag times as short as 15 s and response half-times of 20 to 30 s. From earlier studies they know that this growth inhibition operates by a stiffening of the cell wall. Possible mechanisms for this rapid change in wall properties are being investigated, including changes in the pH or calcium concentration of the cell wall free space.

Recognition of the quality and importance of this work has come in the form of an NSF Presidential Young Investigator's Award for 1984 to 1989, as well as a McKnight Foundation Award.

Who can help? Try these new committee members.

As the membership of the ASP has grown (see page 2), so has the scope of the Society. In recent years the Society has become involved more than ever in public affairs, education in photobiology, and the history of the science of photobiology. These activities have been made possible by the dedicated work of the members of the Society's committees.

The Society has recently approved a new slate of committee members. During the coming months reports of the activities of some of these committees will appear in the Newsletter. In the meantime the following is a partial listing of committees, their members and chairmen. These are the individuals whom you should contact in each area. In a later issue we will publish the remainder of the listing.

ARCHIVES COMMITTEE

J. Jagger - chair
P. Loach
K. Smith

CONSTITUTION AND RULES

I. Kochevar - chair
F. Janzen
K. Smith
F. Urbach

EDUCATION

M. Mathews-Roth - chair
R. Pottier
J. Roberts
G. Truscott
D. Valenzano

EXECUTIVE COMMITTEE

L. Grossweiner - chair
R. Burk (ex officio)
C. Foote
D. Kessel
I. Kochevar
P. Song (ex officio)

FINANCE COMMITTEE

H. Black - chair
W. Eisenberg
N. Giacintov
A. Girotti

MEETING SITE

I. Kochevar - chair
T. Coohill
N. Geacintov
F. Urbach

GRANTS AND AWARDS

M. Peak - chair
W. Briggs
M. Feinleib
A. Girotti
R. Ley
J. Longworth
W. Shropshire

MEMBERSHIP

R. Sayre - chair
D. Cosgrove
D. Kessel
J. Pooler
G. Truscott

New Look Newsletter!

As you have no doubt noticed this issue marks the debut of a new format for the Newsletter. Desktop publishing has arrived at the ASP! Starting with this issue PageMaker (Aldus) will be used with a LaserWriter printer to compose and produce camera ready copy for the printer on a Macintosh Plus computing system. While the ASP has provided the software, we are indebted to the Department of Physiology of the University of Kansas Medical Center for the use of the hardware. The new system offers considerable flexibility, allowing insertion of graphics and formation of columns with considerable ease. We hope that you enjoy the new look and we are interested in your comments.

Along with the new look comes a new Newsletter editor. Dennis Valenzano assumes these duties with this issue. He has been a member of the A.S.P. since 1978 and is currently a member of the Education Committee. His interests are in photosensitization of cell membranes and applications in photomedicine. He has a B.S. and M.S. in physics and a Ph.D. in physiology from Case Western Reserve. Dennis is anxious to make the Newsletter a source of information for photobiologists and photochemists. This depends on your input. Please send contributions of any nature to him at the address given on page one.



CALENDAR OF EVENTS

1987

1988

- Sep 6-11 2nd European Congress of Photobiology - Padova, Italy
- Sep 14-16 Conference on Photochemistry: Joint Swiss-Italian E.P.A.'s - Villa Olmo, Italy
- Sep 20-25 EMBO Workshop on Oxygenic Electron Transport Systems in Cyanobacteria - Cape Sounion, Greece
- Oct 2 Nominations of Officers and Councilors due
- Oct 16 Student Travel Award Applications due (with abstract)
- Oct 16-17 Lasers in Gastroenterology - Philadelphia, PA
- Oct 25-30 SPIE New Directions in Photodynamic Therapy - Cambridge, MA
- Nov 7-8 ASP Fall Council Meeting
- Nov 9-11 Laser Research in Medicine at ICALEO '87 - San Diego, CA
- Nov 16 ASP abstracts due
- Nov 17-21 Optical Components and Systems - Anaheim
- Nov 20-21 Lasers in Gastroenterology - Orlando, FL

- Jan 4-7 Inter - American Photochemistry Society - Clearwater Beach, FL
- Feb 1-4 2nd Latin-American Meeting on Photochemistry and Photobiology - Sao Paulo, Brazil
- Feb 5 Ballots due to Secretariat
- Feb 28-Mar 3 1988 Biophysical Society Meeting - Phoenix, AZ
- Mar 13-18 16th A S P Annual Meeting - Colorado Springs, CO
- Jul 17-23 XII IUPAC Symposium on Photochemistry - Bologna, Italy

FYM: FOR YOUR MISINFORMATION

Rumor has it that Kraft will be moving all of their operations to Israel at the time of the International Photobiology Meeting in that country in 1988. At the time of the move it has been said that the name of the company will be changed to Cheeses of Nazareth.

The editor, the Secretariat, and the ASP assume no responsibility concerning the veracity of this claim.

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