



NEWSLETTER

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Editor: Thomas P. Coohill, Depts. of Biology & Physics
Western Kentucky University, Bowling Green, KY 42101 tel:(502)745-3697

No. 78, April 1984

ASP - Newsletter

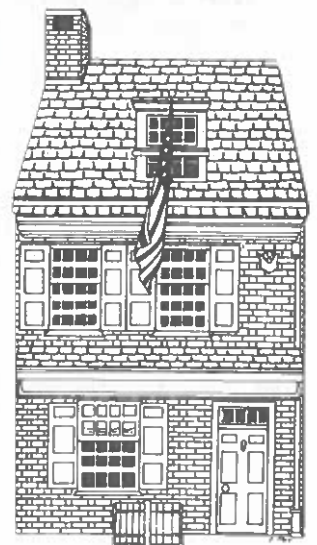
PHILADELPHIA STYLE. COME AND GET IT.



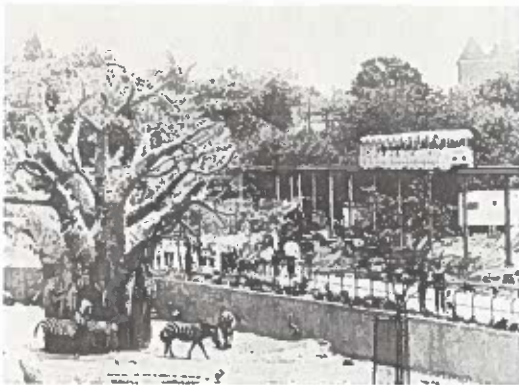
PENNSYLVANIA ACADEMY OF THE FINE ARTS

JOIN US FOR THE
NINTH INTERNATIONAL
CONGRESS
ON PHOTOBIOLOGY

1 - 6 JULY 1984



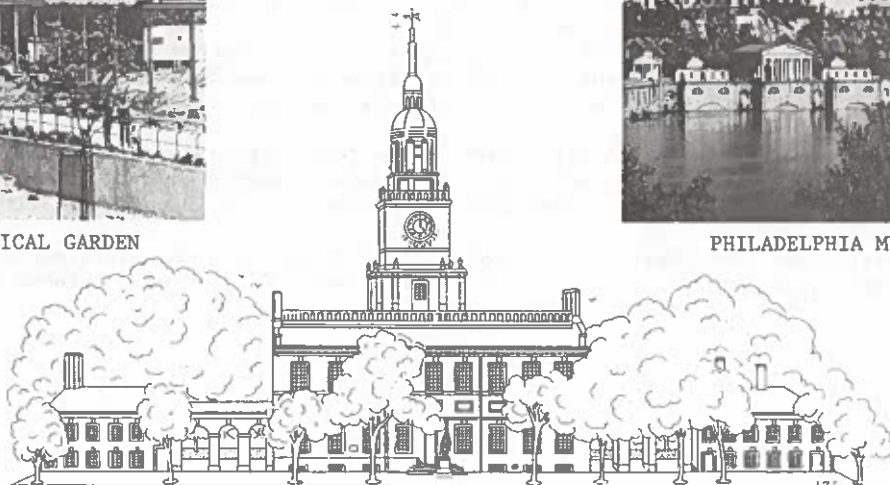
Betsy Ross House



PHILADELPHIA ZOOLOGICAL GARDEN



PHILADELPHIA MUSEUM OF ART



Independence Hall

LETTERS - We Get Letters

After reading your Newsletter No. 72 of October 1983, we were sorry to see that the article written by Mr. Thomas P. Coohill varies very much from today's scientific status of development. Furthermore,

1. -- it is true, using UVA intensively for many years, can support the formation of cataracts, in accordance to the natural sunlight, the UVA radiations of sun tanning equipment are twice as strong. But, the exposure time on or under a tanning unit is limited to 30 minutes.

2. -- UVA rays can only lead to mutations and cancerogenic reactions if overexposure is being continued and the repair mechanism is damaged or overcharged, otherwise UVA and UVB inhibits the proliferation. In few attempts we could show that even melanoma under UVA and UVB rays will be retarded in growth, and, animals in such experiments showed a longer lifetime of about 50%.

3. -- UVA rays can only generate erythema through photosensitizing substances. This can only occur if such substances are ingested or if the amount of UV photons is that high to reach enough of the normally present substances.

In our country we have enough scientific investigation regarding stimulation of metabolism, increase of oxygen uptake by the blood, increase the performance of muscles, increase resistance to infections, and especially treatment of skin disease. We assume that you have the same scientific submissions as we do, so one could expect from you more competent information.

Friedrich Wolff
AmHorchersBerg 15
7800 Freiburg
Privates Institut FurFotobiologie Und Med. Technik

Ed. Note - The article referred to above appeared in the October 1983 issue. As stated, it was a news release from the American Academy of Dermatology. Since the editor often receives compliments for things has hasn't done - he also accepts complaints.

Position Open

Post Doctoral Fellow - available immediately to study and develop techniques assaying short term effects of U in skin of human and experimental animals. Previous experience in photobiology or photochemistry desirable, but not necessary. Send C.V. with names of 3 references to:

Dr. Vincent A. DeLeo
Department of Dermatology
Columbia University
630 W. 168th Street
New York, NY 10032

Columbia University is an equal opportunity affirmative action employer.

CALL FOR COMMENTS

The European Photochemical Association Newsletter has a preliminary version of the GLOSSARY OF TERMS USED IN PHOTOCHEMISTRY prepared by the Photochemistry Commission of IUPAC (Commission III.3). Members who have not seen this comprehensive list can write to EPA for a list of the definitions. The ASP Editor would also xerox the list for those who request it from him. This version is the result of the Commission meeting in Lyngby, Denmark, in August 1983, and incorporates suggestions and comments of several scientists. The purpose of this glossary is to provide definitions of terms and symbols commonly used in photochemistry as a definitive source of information for both experienced research workers and beginning students.

They would very much appreciate your valuable contribution to this project. Your ideas should help in the preparation of the final version. The Commission will consider all the contributions in July 1984, at a meeting during the Xth IUPAC Symposium on Photochemistry to be held in Interlaken, Switzerland.

Comments, criticisms, and additions are invited, and they should be addressed to Professor S. E. Braslavsky, Max-Planck-Institut fur Strahlenchemie, Stiftstrasse 34-36, D-4330 Mulheim an der Ruh 1, West Germany.

TIMING - JUNE '84 TO OCTOBER '85 ISSUES

This list will help insure that members are aware of the time delay between receipt of material by the Editor and its appearance in the Newsletter. The delay is due to two factors - a) the Editor needs three working days to prepare a copy-ready submission by the end of each month and b) the printer needs four weeks to receive, print, and send the Newsletter out to the membership. Week-ends and holidays are accounted for in this list.

Material received by Editor

Will appear in Newsletter issue

April 25
May 28
July 16
August 27
September 24
October 26
November 26
December 19
January 25
February 25
March 25
April 26
May 27
July 15
August 26

June
July
Aug-Sept (joint issue)
October
November
December
January
February
March
April
May
June
July
Aug-Sept (joint issue)
October

Please retain this sheet for your information. Feel free to call me at (502)745-3697 should you have any questions. Don't forget that we will publish photographs.

MEETINGS - 1984

- July 1-6 9th International Congress on Photobiology. Philadelphia, Pa.
- Aug. 6-10 Non-Ionizing Radiations: Biophysical and Biological Basis, Applications, and Hazards in Medicine and Industry. Massachusetts Institute of Technology, Cambridge, MA. The course will emphasize practical considerations in safe and effective use of these modalities in Medical and Industrial practice, e.g. methods and instrumentation for power measurement, calibration, dosimetry, compliance with Federal and State regulations, etc. For further information, please contact: Director of Summer Sessions, Room E19-356, M.I.T., Cambridge, MA 02139.
- Aug. 12-17 Society for Industrial Microbiology. Annual meeting. Colorado State University, Ft. Collins. Ann Kulback, SIM, C/O AIBS, 1401 Wilson Blvd., Arlington, VA 22209 Phone: 703-256-0337
- Sept. 16-28 NATO Advanced Study Institute, Primary Photo-Processes in Biology and Medicine Bressanone, Italy (Alpine Region). The institute will discuss the techniques for the investigation of the primary events following the absorption of U.V. and visible light by biological systems and will emphasize the application of these techniques to the study of cancer photochemotherapy, photo-dermatology and the phototherapy of neo-natal jaundice. In addition workshops will be organised on specific topics, including Time Resolved Techniques, (T.A. Moore) and short contributions from participants will be encouraged and considered for publication in the NATO ASI series text book arising from the Institute. Some financial support will be available for all participants and further information may be obtained of the above co-directors and will be co-ordinated by: Professor T.G. Truscott, Chemistry Department, Paisley College, Paisley, PA1 2BE, Scotland, U.K. The number of participants will be limited to about 50.

SUMMARY OF QUESTIONNAIRE RESPONSES
"Identification of Areas for Discussion"
at the March 28, 1984 CONSULTATION OF PRESIDENTS OF AAAS AFFILIATES
Submitted by Ron Rahn, Congressional Science Fellow

The Presidents of AAAS Affiliated Societies were polled in an attempt to broadly define the major issues of concern to the scientific and engineering communities. A total of 93 responses were received from the 238 Presidents.

The topics were ranked in the following order, with the "most important" listed first:

1. -- The impact of public support for science, engineering, and technology upon the direction and rate of expansion of scientific, engineering and technological knowledge, and the need for scientists and engineers to communicate more effectively with the public.
2. -- The crisis in precollege science and math education.
3. -- The impact of scientific, engineering, and technological knowledge and the products of technology on society, both positive and negative, and the role of scientists and engineers in the resolution of societal issues.
4. -- The development and professional well-being of scientists and engineers: initial education, continuing education, institutional environments, and reward systems.
5. -- Barriers to the flow of scientific and engineering information: national security, proprietary rights, personal competitiveness and financial cost to access information.
6. -- Industrial/academic agreements: the roles of industry and academe as partners.
7. -- Politicizing the allocation of federal funds: the role of lobbyists.
8. -- The integrity of scientific and engineering knowledge: its preservation and enhancement.
9. -- The crisis in engineering education at the undergraduate and graduate levels.

Some Presidents also noted other issues of particular concern to their organizations. Following is a summary of their comments from the reverse side of the questionnaires.

There was strong support for a discussion of topics concerning women, minorities, and the handicapped in the sciences.

A number of the Affiliated Presidents were concerned with the declining interest in, and funding for: a) basic research; b) social sciences; c) agriculture research; d) ecological research.

And finally, individual requests were made that the following issues be addressed at the Consultation: • Nuclear weapons proliferation • Animal welfare vs. biomedical research • Impact of the microprocessor • Bilateral exchanges; cooperation with developing countries • Role of societies as funders/brokers for research • Regulatory policy: scientific approach at odds with the political process. Is there an effective role for professional societies? • Responsibility of scientists: truth in reporting research and in advertising products • The decline of organismic biology at the expense of "high tech" molecular biology • Increasing support of private education at the expense of public institutions • Political appointments to important science advisory panels • National research "manpower" policy -- availability of fellowships, training grants, and research awards • Premature retirement as a waste of human resources.

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1340 Old Chain Bridge Road, Suite 300
McLean, Virginia 22101

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