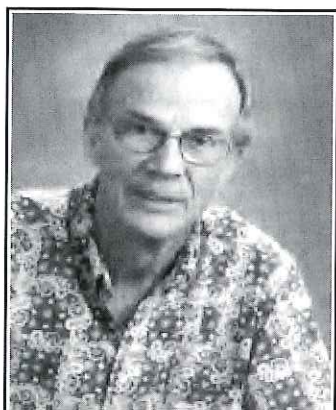




The American Society of Pharmacognosy

Dick Moore Wins ASP Research Achievement Award - 2002

William H. Gerwick



Dr Richard Moore

Professor Richard 'Dick' Moore of the Chemistry Department, University of Hawaii, was selected as the winner of the 2002 "ASP Research Achievement Award". He received this prestigious ASP award at the 43rd Annual Meeting of the American Society of Pharmacognosy at New Brunswick, New Jersey, on July 31, 2002.

This award, which is given by the society to members who have made outstanding contributions to research on natural products chemistry, recognizes the many years of exemplary publications by Professor Moore on the chemistry of marine algae, *cyanobacteria*, and various marine invertebrates.

continued on page 6...



Mark your calendar

July 13-16, 2003

Chapel Hill, North Carolina... page 7



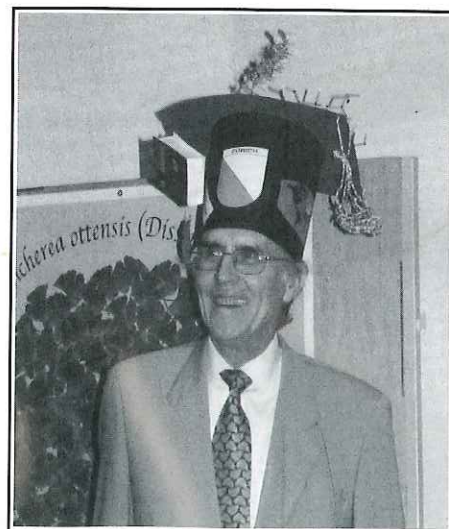
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Vol. 38
No. 4

Honorary Doctorate Conferred On Otto Sticher

The Council of the School of Pharmacy, University of London (Dean Prof. A.T. Florence) recognised the life time achievements of Prof. Otto Sticher from the ETH Zurich (Department of Applied BioSciences, Institute of Pharmaceutical Sciences) by bestowing upon him an honorary PhD on July 17, 2002.

Until March of this year Prof. Sticher occupied the Chair in Pharmacognosy and Phytochemistry at this prime institution of research and higher education in Switzerland. The degree was awarded on November 27, 2002 at the graduation ceremony of the School of Pharmacy, University of London. The School, by making this



*Otto Sticher Receives Honorary
Doctorate From London University*

continued on page 6...

ASP mourns the death of Dr. D John Faulkner...page 3

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2002



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Editor's Corner

Dear Friends

Greetings from ASP !

While we were still grieving the loss of Dr. Monroe Wall, the unexpected news of the passing away of Professor D. John Faulkner hit the scientific community. To all of us, his death is a great loss. We cherish the memory of a leading scientist, a great research scholar and a friend of the American Society of Pharmacognosy (ASP).



Though we are saddened by the loss of these invaluable and dedicated men, we draw inspiration from their memory by assiduously striving to expand the horizons of scientific enquiry to which end these two stalwarts of ASP devoted their professional lives.

By now you must have received and read the Fall 2002 issue of the ASP newsletter. My heartfelt thanks to all who sent the news on time and made my job easier. Please keep the ball rolling by sending me your news items, comments, letters to the editor, and news of achievements.

This Winter 2002 issue brings the curtain down on an eventful year for the ASP. New findings, advances in research, well-deserved awards, the successful annual meeting at New Brunswick, NJ, and a host of significant developments marked the year. I must say that, both collectively and individually, it has been a year to remember.

With the active collaboration of many able and committed individuals, we expect ASP to make further progress. We encourage our researchers and scientists to give their best in breaking barriers, setting up new milestones and entering new frontiers.

I urge the young members to play an active role in the affairs of the Society. Senior ASP members have over the years served as mentors to aspiring young researchers. The interaction between experience and youthful energy is a blessing to both.

We look forward to the 44th Annual Meeting of ASP to be held at Chapel Hill, NC, where we hope to celebrate achievements and accept new challenges.

As we welcome the New Year, let's hope that 2003 will prove one of the best years in our lives... a year that ushers in a world at peace and happiness.

**WISHING YOU ALL HAPPY HOLIDAYS...
AND AN EXCITING YEAR AHEAD.**

RENUKA



IN MEMORIAM ...
D. JOHN FAULKNER
 (June 10, 1942 - - November 23, 2002)

ASP Research Achievement Awardee - 2003
Will Be Deeply Missed By The Scientific Community

Professor D. John Faulkner of University of California at San Diego, Scripps Institution of Oceanography, died on Saturday Nov. 23, 2002, of complications arising from heart surgery on November 19th at the Thornton Hospital in La Jolla, California.

Faulkner was one of the most influential scientists in the field of marine natural products, a pillar of our scientific community and a leader in exploration and discovery of potential pharmaceuticals from the oceans.

Outstanding Achievement

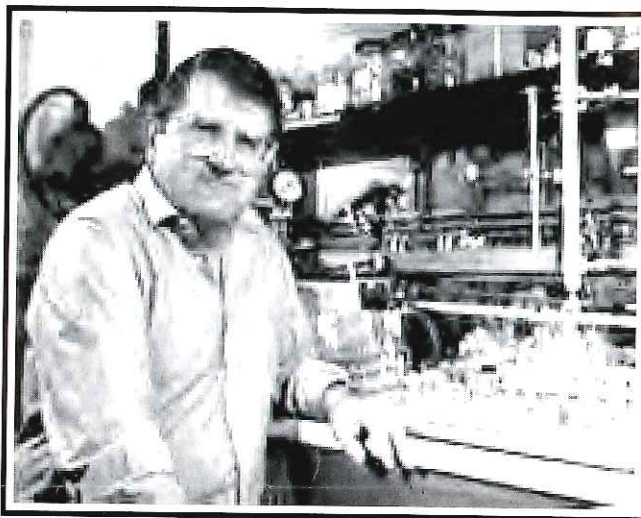
For his outstanding contributions to natural products chemistry, Dr Faulkner was selected to receive the ASP Research Achievement Award 2003 at the next ASP Annual Meeting in Chapel Hill, NC, July 2003.

Early Beginnings

Faulkner was born on June 10, 1942, in Bournemouth, England. He received his B.Sc.(Chemistry) in 1962, and a Ph.D in organic chemistry in 1965 from Imperial College, London University, U. K. Faulkner was a post-doctoral fellow at Harvard University and Stanford University prior to joining Scripps Institution of Oceanography in 1968 as assistant professor.

A Pioneer of Marine Natural Products

Professor Faulkner was active in marine chemistry, synthesis, chemical ecology and drug discovery. He dedicated his scientific career to the discovery and isolation of chemicals from marine



D. John Faulkner ... Researcher *Par Excellence*

organisms, including chemicals used for defense in marine invertebrates, such as sponges and nudibranchs. He investigated the production of chemical compounds used by the organism and explored the possibility of these chemicals being used as pharmaceuticals. Faulkner has been considered a pioneer in the field of marine natural products chemistry.

Developer of New Drugs

Through his research contributions, scientists are learning more about organic molecules in the ocean and their effect on the adaptations of marine life. Prof. Faulkner forged new relationships between pure scientific research and applications, resulting in creative approaches in the development of new drugs. His contributions included the discovery of new anti-inflammatory agents, new entities for the treatment of

continued on page 12...

Our deepest condolences to his wife Meryl, family and friends.

The American Society of Pharmacognosy

COMMITTEES ... 2002 - 2003

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William H. Gerwick,	--	<i>President</i>
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Tadeusz Molinski,	--	<i>Member (2001-2004)</i>
Raymond Andersen,	--	<i>Member (2002- 2005)</i>

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Yuzuru Shimizu
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Leonard McDonald (year 3 of 3)

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Awards and Funds Committee

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Thomas Mabry (year 2 of 3)
Jim Gloer (year 1 of 3)

... continued on page 5

ASP Committees...2002-2003, ...continued from page 4

2003 Meeting Organizing Committee

Nicolas H. Oberlies, *Chairman*
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Cedric Pearce
Nam-Cheol Kim
Dongho Lee
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Gregg Dietzman
Nicholas Oberleis
Gordon Cragg
Michael Tempesta

Pharmanex Prize Selection Committee

John Cardellina II, *Chair*
James Gloer
Gordon Cragg

Visit the American Society of Pharmacognosy's website at:
www.phcog.org

Dick Moore Wins ASP Research Achievement Award - 2002

...continued from page 1

Professor Moore began his career in marine natural products with Paul Scheuer in 1966 with studies on the structure of *palytoxin*; 15 years later, he completed what is widely appreciated as a milestone in natural products research with the publication of its novel $C_{129}H_{223}N_3O_{54}$ structure. During the same period, he initiated studies on the unique chemistry of various other marine organisms, including algae eaten in the traditional diet of native Hawaiians.

However, in the late 1970s, his interest turned to one of the more simple organisms of the sea, marine *cyanobacteria* (blue-green algae), where he found a wealth of novel structures possessing potent biological activities. His early work in this area focused on potent pro-inflammatory compounds produced in *Lyngbya sp.*, such as the *lyngbyatoxins*, that are responsible for an unpleasant skin irritation in bathers off the windward coast of Oahu, known as 'Swimmer's Itch'.

Throughout his studies he pioneered new techniques of structure elucidation, particularly NMR. The rigor and thoroughness of his science is exceptional and widely appreciated. These latter studies very productively led him to extend his exploration into the natural products of freshwater and terrestrial *cyanobacteria* with anticancer potential. Merged with these structural studies were pioneering efforts to

understand how such novel metabolites were being produced, and again, new advances were accomplished in the techniques for studying biosynthetic pathways.

The *cryptophycins*, discovered in 1994 in his laboratory for their exceptional anticancer potential, represent a capstone achievement in his long career. His scholarly contributions in this area range broadly, and include structural analysis, pharmacology, total chemical synthesis, biosynthesis and molecular genetics.

He has written his work in a distinctive scholarly style, in diverse high impact journals, and over the last several years, he has favored the *Journal of Natural Products*. His former students and postdoctoral research associates have gone on to occupy many positions of importance in natural products and bio-organic chemistry throughout industry and academia.

He completes his career knowing that his life's work has stimulated the scientific community, trained many exceptional students, given the medical community new tools for the treatment and study of human disease, and engendered the highest esteem and respect from his closest peers and colleagues in the natural products sciences.

Honorary Doctorate Conferred On Otto Sticher

...continued from page 1

award, wishes to pay tribute to the numerous accomplishments of Prof. Sticher in various areas of pharmacy, but especially his decades of dedication to research and teaching in the fields of molecular pharmacognosy, analytical phytochemistry and ethnopharmacy.

In more than 400 publications Prof. Sticher has made significant contributions to the scientific study of medicinal plants and his research resulted in important novel approaches in this area. Among others, he was one of the first pharmaceutical researchers addressing issues of quality control of plant derived

pharmaceuticals (phytomedicines).

Longtime ASP member Otto Sticher currently serves as a member of ASP Foundation Board and Editorial Advisory Board Member of the *Journal of Natural Products*. Besides his innumerable achievements in the field of pharmacognosy, he has also earned a reputation as an administrator, committee member and teacher.

ASP extends hearty congratulations to Otto Sticher and his wife Mirium for this outstanding honor. We hope to see you here in the US more frequently at our functions for many more years to come.

Congratulations Drs. Moore and Sticher !

Chapel Hill, NC, To Host 44th Annual Meeting of the American Society of Pharmacognosy

(Sun. July 13 --- Wed. July 16, 2003)

□ *Theme ... The Changing Face of Natural Products Chemistry*

□ VENUE & ACCOMMODATION

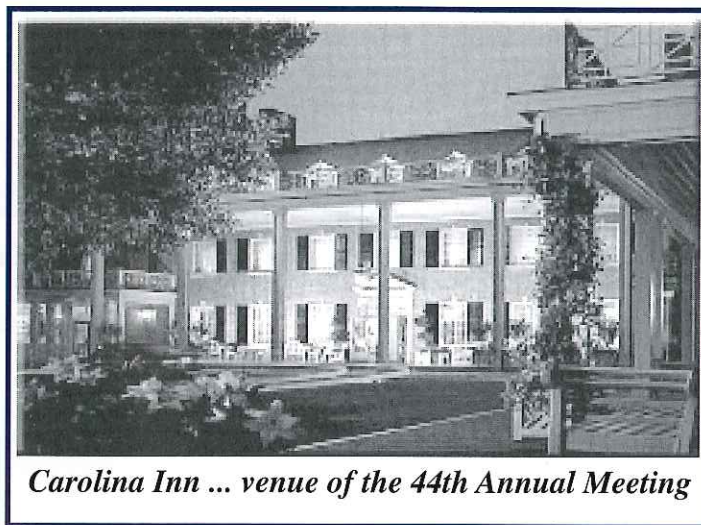
The main hotel for the meeting is the historic Carolina Inn (<http://www.carolinainn.com/>), in the heart of the campus. It has over 180 guestrooms, a 4-star restaurant, and a full service bar. There will be other hotels with rooms available and a block of dormitory rooms on campus for ASP members.

□ SCIENTIFIC PROGRAM

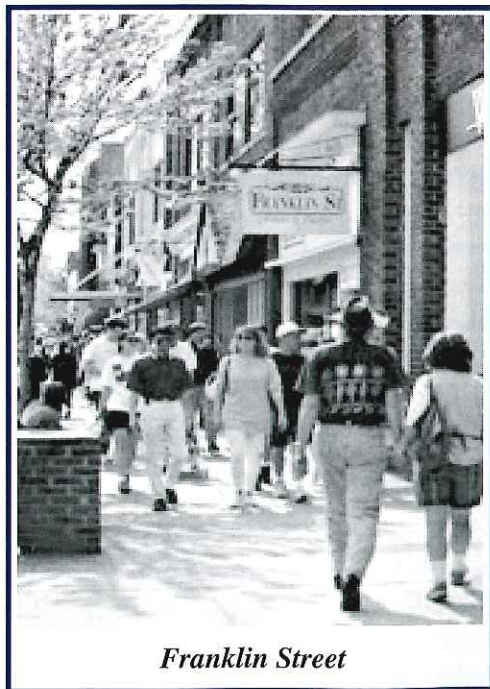
A list of speakers and agenda will be forthcoming on the ASP website (<http://www.phcog.org>). The sessions will focus on:

- New Developments in the NCI funded NCDDG Programs
- Metabolic Profiling
- New Enabling Tech. for Natural Products Drug Discovery

There will be several poster and oral sessions. These will be grouped into categories that are of broad interest to most of the membership including marine chemistry, plant chemistry, herbal drugs and biosynthesis. Dr William Reynolds has agreed to give a NMR workshop which may be of particular interest to students. It should take place on Friday and Saturday before the meeting (July 11 & 12)



Carolina Inn ... venue of the 44th Annual Meeting



Franklin Street

□ SPONSORS

Research Triangle Institute, NC, &
The School of Pharmacy, Univ. of NC

□ SIGHTSEEING AND SOCIAL PROGRAMS

Chapel Hill is a vibrant college town and includes many fine restaurants, bars, theaters, etc. There will be various opportunities to experience different aspects of NC traditional dancing, NC BBQ (which is very distinctive from other parts of the country), golf, a dairy goat farm, canoeing, hiking, botanical gardens, and may be, even a primate center.

□ TRAVEL:

Chapel Hill, NC. is about 25 miles from Raleigh-Durham International Airport (RDU) and served by all major airlines.

□ CONTACT:

Nicholas H. Oberlies, Chair (Org. Committee)
Research Triangle Institute, P.O. Box 12194,
Research Triangle Park, NC 27709-2194.
Tel: 919-541-6958; Email: oberlies@rti.org

**For event updates, visit the ASP website: www.phcog.org
See you in NC in summer of 2003 !**

CALL FOR APPLICATIONS FOR ...

Each year ASP gives various awards and grants to active ASP members who are students, researchers or young professionals in the natural products area. These awards and grants are intended to stimulate interest in all phases of natural products research. The American Society of Pharmacognosy offers the following awards and grants for the year 2003:

A Awards & Grants for Students...	B Awards and Grants for Active Members...	C The Pharmanex Prize... p.10
<ol style="list-style-type: none"> 1. Student Research Award 2. Undergraduate Research Award 3. The Kilmer Prize 4. Travel Grants for Graduate Students 	<ol style="list-style-type: none"> 1. Research Starter Grants 2. Travel Grants for Active Members 3. Matt Suffness (Young Investigator Symposium) Award 	D ASP Research Achievement Award... p.11

A Awards and Grants for Students

1. Student Research Award

ASP Student Research Awards are designed to recognize outstanding research in the general area of natural products. The competition is open to all graduate and undergraduate students working for a member of the ASP. Students should submit a research paper describing his/her own work in the area of natural products. The applications will be reviewed by the ASP Awards and Funds Committee. Up to two awards will be made in any one year. The research paper should conform in general to the format of the *Journal of Natural Products*. Please include a self-addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the paper and name of the applicant. This postcard will serve as notification of receipt of the application. The award will consist of a \$500 cash gift and all expenses paid to present the paper at the annual meeting of the ASP (restricted to meetings held in continental North America). If applicants for the Student Research Award provide the required certification letter from the student's Dean or Registrar, they will be considered automatically for the Kilmer Prize (see below). **The deadline for submission of the research paper is March 31, 2003.**

2. Undergraduate Research Award

The ASP Undergraduate Research Awards consist of a stipend of \$2,000 to the student and \$500 to the advisor to help defray the costs of the research. There are no limitations on the type of research to be conducted other than that it should be in the area of natural products. **Persons interested in submitting an application for consideration should send the following before March 31, 2003:**

- An outline of the research to be conducted, written by the student submitting the application. This should include a statement of the problem and the goal(s) of the research, and a brief discussion of the methodology. This outline, with pertinent references, should not be longer than four double-spaced, typed pages.
- A transcript of all college work attempted.
- A curriculum vitae.
- A letter of agreement by the faculty advisor (a member of the American Society of Pharmacognosy) for the project, indicating a willingness to supervise the project, and provide the facilities and equipment for the conduct of the project. The letter should also include a statement about the student's academic performance and suitability to perform the work proposed.
- A self-addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the proposal and

ASP AWARDS AND GRANTS - 2003

name of the applicant. **This postcard will serve as notification of receipt of the application.**

Although not an absolute condition of the awards, students selected are highly encouraged to submit results of their research for presentation at an annual meeting of the ASP. Funds, as available, will be offered to these Award winners to help support their travel and other costs associated with attendance at the annual meeting.

3. The Kilmer Prize

Both undergraduate and graduate students in schools or colleges of pharmacy are eligible for this award, which has no society membership requirements on either the applicant or their supervisor. Applicants for Student Research Awards will automatically be considered for the Kilmer Prize and should not submit a separate application, but should submit the required status documents. Other applicants should submit a full research paper (introduction, experimental, results, discussion and references, with figures and tables as appropriate) and a letter certifying status from the university registrar or graduate dean. ***The deadline for submission of applications is March 31, 2003.***

Nature of Award: The Kilmer Prize consists of a gold key, suitably inscribed, bearing the likeness of Dr. Kilmer. The American Pharmaceutical Association makes available a complimentary registration and up to \$300 to enable the winner to attend the meeting at which the award will be given. The American Society of Pharmacognosy will also provide up to \$300 for the named recipient to help offset, as necessary, the costs associated with attendance at the annual ASP meeting.

4. Travel Grants for Graduate Students

Graduate students under the supervision of a Society member are also eligible for a travel grant of \$300 to \$600 to help enable them to attend a Society meeting and present a paper. Application can be made by submission of a short (1-3 pages) synopsis of the work to be presented, a curriculum vitae and a letter of justification/recommendation from the advisor.

All awards are contingent on the acceptance of the paper for presentation by the Scientific Program Committee. ***Applications are due March 31, 2003.***

B Awards and Grants for Active Members

1. Research Starter Grants

ASP small research grants from \$2000 to \$5000 are available for active members in the first eight years after earning their Ph.D. and in the first five years of their first independent career position. These are one-time awards, do not provide indirect costs, and will be awarded preferentially to those applicants who have not yet received major funding.

Application can be made by submission of a research proposal of no more than four double-spaced, typed pages. A budget should accompany the proposal and the investigator should also provide a statement of his/her current funding. A curriculum vitae of the investigator must be included with the proposal and budget. ***The deadline for submission of application for these grants is March 31, 2003.***

Please include a self-addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the proposal and the name of the applicant. This postcard will serve as notification of receipt of the application.

2. Travel Grants for Active Members

Travel grants are available to enable active members who are in the first five years after earning their Ph.D. to travel to an American Society of Pharmacognosy meeting and present the results of their research. These awards of \$300 to \$600 are made on a competitive basis. Application can be made by submission of a short (2-3 pages) synopsis of the work to be presented, a curriculum vitae and a letter of justification for the request.

All awards are contingent on the acceptance of the paper for presentation by the Scientific Program Committee. ***The deadline for submission of applications is March 31, 2003.***

Please include a self-addressed stamped postcard (no smaller than 3.25 by 5.5 inches) with the title of the proposal and name of the applicant. **This postcard will serve as notification of receipt of the application.**

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...continued from page 9

3. Matt Suffness (Young Investigators Symposium) Award

This award, formerly known as the "Young Investigators' Symposium" is a forum for younger natural products scientists to present the results of their research and gain timely recognition from their colleagues for their contributions to the science. The Matt Suffness Award consists of Registration at the annual meeting of the ASP plus \$1,000 to help offset the costs associated with travel and attendance at the conference.

The Awards and Funds Committee has been charged with the selection of speakers according to the following procedure and criteria:

- ◆ The number of speakers per year shall be limited to two, but may be one or none if suitable nominations are not received in a particular year.
- ◆ Nominees must be ASP members.
- ◆ Nominees shall be within 12 years of receiving their Ph.D., and within 10 years of gaining their first independent position (e.g., Asst. Prof. or equivalent position in industry or government).
- ◆ A nomination must be accompanied by the nominee's CV, an abstract of the presentation proposed by the nominee, and relevant reprints. Selected speakers will be invited to submit a short review paper to the *J. of Nat. Products*.
- ◆ Nominations will be solicited in the Newsletter, on the Website, and from recipients of the Research Achievement Award. Self-submissions will not be accepted.
- ◆ Nominations will only be accepted from active ASP members.
- ◆ The Awards and Funds Committee must keep in close contact with the appropriate ASP meeting Scientific Program Committee.

The deadline for this year's award is March 31, 2003.

How to Apply

Applications for the student and member grants and awards can be sent to:

Bradley S. Davidson

Department of Chemistry and Biochemistry

Utah State University

Logan, Utah 84322-0300

Phone: (435) 797-1628

FAX: (435) 797-3390

e-Mail: davidson@cc.usu.edu

C The Pharmanex Prize

Note: The Pharmanex Prize is administered separately

Purpose... To recognize an individual who has made outstanding scientific contributions to the broad field of dietary supplements, with special emphasis on botanicals. The contributions should be in an area of phytochemistry, pharmacognosy, or pharmacology. Notable contributions to botanical studies outside these primary areas of emphasis, such as clinical investigations, may also be eligible for consideration.

Prize... The Pharmanex Prize consists of a suitably inscribed plaque, a monetary prize (\$5000), and travel expenses to the meeting where the award will be made.

Selection.... To be made by a committee appointed by the President of the American Society of Pharmacognosy, consisting of a chair, immediate past president of the Society, & chair of the Awards & Funds Committee.

Eligibility and Mechanism... The Pharmanex Prize is awarded either at an annual or interim meeting of the ASP. Recipients must be present in person to receive it.

Applications/nominations... (3 copies) for the Pharmanex Prize must be received by the chairman of the Prize Committee at least two months prior to the meeting at which the award is scheduled. No special form is required, but the application should include a letter outlining the candidate's significant contributions to the field and a detailed *curriculum vitae* of the nominee, including a complete listing of publications. Reprints of 2-3 significant papers may be included. Other types of supporting documents that may be listed are books, unpublished speeches, patents, and the like. Up to two supporting letters may also be submitted on behalf of a candidate/nominee.

Note: *Membership in the ASP is not a requirement for consideration, nor is eligibility restricted on the basis of nationality.*

NOMINATION PROCEDURE

To nominate.... 3 copies of completed nominations should be sent to:

John H. Cardellina II,

Council for Responsible Nutrition,

1875 Eye Street NW,

Washington, DC 20006-5409;

[phone 202-872-1488]

Submissions must reach the chairman no later than September 15, 2003. Applications will not be returned. On request, the Committee will hold unsuccessful submissions for reconsideration in future years.

D ASP Research Achievement Award - 2004

The American Society of Pharmacognosy selects annually a recipient for the ASP Research Achievement Award. Candidates must be members of the Society who have made outstanding contributions to research on natural products. The award consists of an honorarium of \$2,500 and travel expenses to present the award lecture at an annual meeting of the Society.

Previous winners are:

1985 - Koji Nakanishi
 1988 - Heinz G. Floss
 1989 - Kenneth L. Rinehart
 1990 - Monroe E. Wall
 1991 - S. William Pelletier
 1992 - Henry Rapoport
 1993 - A. Ian Scott
 1994 - Paul J. Scheuer
 1995 - George Robert Pettit
 1996 - Meinhart H. Zenk
 1997 - John W. Daly
 1998 - Sidney Hecht
 1999 - David G. I. Kingston
 2000 - C. Richard Hutchinson
 2001 - Tom Mabry
 2002 - Richard Moore
 2003 - (Late) D. John Faulkner

Call for Nominations for 2004

Nominations for the 2004 award are due by **May 15, 2003** to the Chairman of the Research Achievement Award Committee and should consist of **a nominating letter, a curriculum vitae of the candidate, and letters from three individuals** who are familiar with the candidate's scientific accomplishments.

Nomination documents should be submitted in triplicate to:

Dr. David G.I. Kingston

Department of Chemistry,
 M/C 0212

Virginia Polytechnic Institute and State University
 Blacksburg, Virginia 24061

Phone: 540-231-6570

FAX: 540-231-7702

Email: DKingston@vt.edu



ASP -- Employment Service

The Society offers a placement service to aid our members in seeking positions or employees. **This service is available to ASP members and is free** to both the applicant and the prospective employer. The following services are available :

(1) Prospective employers can have positions posted for free at the ASP Employment site <http://www.phcog.org/positions.html>. The ad is typically 300 words or less, and should include appropriate contact information. Ads should be sent to Ed Kennelly as attached files (**Microsoft Word is the preferred format**). You may also send a logo to be included in the ad. Ads can often be posted within 2-3 business days.

(2) When the ASP Employment website is updated, members can be notified by e-mail if they so desire.

(3) ASP members can send resumes to Ed Kennelly. Resumes should be 1-4 pages, and may be submitted

electronically as attached files either as Microsoft Word document or as a PDF file. Resumes will remain on file for one (1) year, at which time it will be deleted. **All information submitted will be held in strict confidence.**

(4) ASP Employment Service will share resumes with prospective employers.

For further information, contact:

Edward J. Kennelly, Ph.D.

Department of Biological Sciences

Lehman College, City University of New York

250 Bedford Park Blvd. W., Bronx, NY 10468

Phone: 718-960-1105; Fax: 718-960-8236

E-mail: kennelly@lehman.cuny.edu

Visit the ASP Job Service Website at:
www.phcog.org/employment.html

Dr. D. John Faulkner...

Will Be Deeply Missed By The Scientific Community

...continued from page 3

cancer and various new antibiotics.

Distinctive Honors

Prof. Faulkner was a member of the Royal Society of Chemistry and the American Chemical Society. He also had the distinction of being a visiting scholar to many prominent universities around the world, such as the Cambridge University, University of New South Wales, Australia, and University of British Columbia, Canada. Many of us will remem-

ber him as a prolific author. He has published over 350 scientific papers including the review series in *Natural Products Reports*.

An Irreparable Loss

ASP will deeply miss Professor Faulkner at the 44th Annual Meeting at Chapel Hill, North Carolina, where he was to deliver the 2003 ASP Research Achievement Award Address.



Innovative Experiential Rotation Developed At Nature's Sunshine Products

Two former professors, Drs. William J. Keller and Jerry L. McLaughlin, of Schools of Pharmacy (Samford and Purdue, respectively), have developed an innovative elective experiential rotation program at Nature's Sunshine Products' (NSP) Spanish Fork facility for University of Utah students. So far no other industrial clerkships have been offered that will allow students to learn about the ever expanding science and nutritional supplements.

This clerkship provides the pharmacy student with a complete perspective of herbal product science and the nutritional supplement industry. The student observes and participates in studies of market trends, the generation of new product ideas and the development of a new product formulation that involves a thorough study of herbal ingredient safety and efficacy.

Observation of the activities in state-of-the-art Quality Assurance and Research and Development laboratories gives the student an idea as to how quality nutritional supplements are formulated, produced, and analyzed. The student also focuses on pilot production parameters for tablets, capsules and liquids, and learns how these processes are applied to full scale manufacturing.

Witnessing the operation of a completely modern GMP manufacturing facility and the in-depth QA analytical procedures that are applied to all phases of production from raw material inspection to final product certification gives the student an assurance that quality nutritional supplements are available to the health conscious public.

The student also participates in various Health Sciences departmental activities such as monograph development for the in-house raw material database (Herb Explorer), proofing NSP publications (Horizons), writing an E-mail Newsletter segment, and logging patient details into the NSP Adverse Event Reporting System database. Other activities, which this clerkship provides, range from legal issues confronting the nutraceutical industry to the variation in registrations, regulations, and formulations of different international markets.

After a few more students (from Utah and other schools) complete the NSP Nutritional Supplement Industrial Rotation, NSP would submit a manuscript for publication in AJRE, and more information about this program to benefit schools of pharmacy and their students.

You can access the sample issue of the
Journal of Natural Products
at: <http://pubs.acs.org/journals/jnprdf/>

The link to the *ASP Newsletter*
is now on the ASP web page:
<http://www.phcog.org/newsletter.html>

ASP Welcomes New Members

FULL MEMBERS

- | | |
|---|--|
| Karina Meragelman
<i>Rockville, MD</i> | Hoyoung Choi,
<i>Assoc. Professor</i>
<i>College of Oriental</i>
<i>Medicine, Kyung Hee</i>
<i>University</i>
<i>Seoul, South Korea</i> |
| Xiaofang Cheng
<i>Post-doct. Researcher</i>
<i>Los Angeles, CA</i> | |
| Rip Gerber
<i>Pantheon Resources</i>
<i>San Francisco, CA</i> | Sylvia Urban
<i>Senior Tutor</i>
<i>Dept. of Applied Chem.</i>
<i>RMIT University</i>
<i>Melbourne, Australia</i> |
| Amy Lurier
<i>TechFind, Inc.</i>
<i>Natick, MA</i> | |
| Karriem Ali
<i>Medical Director,</i>
<i>Pharmacognosia AHHA,</i>
<i>Roy, WA</i> | Jennifer Carroll
<i>Asst. Prof. of Chemistry</i>
<i>Div. of Math & Science,</i>
<i>Univ. of Virgin Islands,</i>
<i>St. Thomas, Virgin Islands</i> |

ASSOCIATE MEMBERS

- | | |
|---|---|
| Bruce R. Hoffman
<i>The Univ. of Houston</i>
<i>Spring, TX</i> | Chen Li
<i>University of Iowa</i>
<i>Iowa City, IA</i> |
|---|---|

*We hope to see all our members
at the 44th Annual Meeting of ASP at
Chapel Hill, NC, July 13 - 16, 2003*



JOIN ASP via Web
Become an Online Member

- *Pay by Credit Card (via VeriSign)*
- *Or Send a Check to:*

Treasurer Dr. David Slatkin
(Mailing details ...Page 16)

Application Forms Available
at: www.phcog.org

DID YOU KNOW ?

That... CFSAN has unveiled a new AER System?

...Beginning September 16, 2002, the Food and Drug Administration's Center for Food Safety and Applied Nutrition (CFSAN), has begun to notify companies by mail if one of their products is associated with an **adverse-event report** (AER) received by the agency.

...According to CFSAN director Joseph Levitt, the agency encourages companies to share "relevant and useful information concerning adverse events" that companies may be aware of with regard to their products.

That... NIH has granted over \$1 million to Stanford researchers to study Ginkgo's Effects on Peripheral Artery Disease ?

...The National Institutes of Health (NIH), Bethesda, MD, has funded Stanford University researchers to undertake a large-scale clinical study of *ginkgo biloba* and its effects on peripheral artery disease. The Stanford Univ. School of Medicine is now looking for volunteers for the study, specifically those who suffer from leg discomfort caused by peripheral artery disease.

That... the ARS Poisonous Plant Research Laboratory, America's only research facility devoted exclusively to the study of range and pasture plants poisonous to farm animals, livestock and wildlife, will soon move...?

...The groundbreaking ceremony for the new \$ 7.5 million, 26,700-square-foot building for the ARS Poisonous Plant Research Laboratory at Logan, Utah, was attended by 200 people on Friday, October 18, 2002. Construction of the modern state-of-the-art facility is expected to be completed by Fall 2004 and will replace the decades-old ARS building.

NEW BOOKS RELEASED

THE ABC CLINICAL GUIDE TO HERBS

Mark Blumenthal, Josef Brinckmann, Kara Dinda, MS, Alicia Goldberg, & Bernd Wollschlaeger, MD

Developed by the American Botanical Council, this book is a resource for a dietician's library. Combines up-to-date scientific research with specific product information on 30 widely used herbs, including ginseng, Echinacea, ginkgo, and St. John's wort.

Publisher: Howarth Herbal Press®

Publication Date: 2002, 400 Pages

Price: US \$ 49.95 hard ISBN: 0-9655555-1-8

CANNABIS AND CANNABINOIDS

Pharmacology, Toxicology, and Therapeutic Potential

Editors: Franjo Grotenhermen, MD & Ethan Russo, MD

A comprehensive volume on state-of-the-art scientific research on the therapeutic uses of cannabis and its derivatives.

Publisher: Howarth Herbal Press®

Price: US \$ 39.95 soft ISBN: 0-7890-1508-0
US \$ 79.95 hard ISBN: 0-7890-1507-2

Publication Date: 2001/2002, 431 Pages

HERBAL MEDICINE AND BOTANICAL MEDICAL FADS

Frank W. Hoffmann, PhD, MLS, and Martin J. Manning

A reference book that presents a practical look at the use of herbs and spices in popular culture. Also gives functional information in an easy-to-use A-to-Z format.

Publisher: Howarth Herbal Press®

Price: \$ 29.95 soft; ISBN: 0-7890-1149-2
\$ 49.95 hard; ISBN: 0-7890-1148-4

Publication Date: Fall 2002, 307 Pages

HERBAL MEDICINE

Chaos in the Marketplace

Rowena K. Richter, MPH, MBA

A prize-winning critique of the regulation and business of herbal medicine in the United States. The first book to address the present situation developed in marketing herbal medicine and where we need to go from here.

Publisher: Howarth Herbal Press®

Price: \$ 24.95 soft; ISBN: 0-7890-1620-6
\$ 39.95 hard; ISBN: 0-7890-1619-2

Publication Date: Fall 2002, 194 Pages

MEETINGS

Future ASP Meetings

2003 -

44th Annual ASP Meeting
July 13-16, Chapel Hill, NC

2004 -

International Research Cong. on Natural Products
(Hosted by ASP)
July 31-August 4, Phoenix, AZ

2005 -

46th Annual ASP Meeting
July 23-27, Corvallis, Oregon

2006 -

47th Annual ASP Meeting, Baltimore, MD

Other Meetings

February 3-7, 2003 – Chiang Mai, Thailand
The 3rd World Cong. on Medicinal & Aromatic Plants for Human Welfare (WOCMAP III)

March 9-12, 2003 – Havana, Cuba
Second Inter-American Conf. on Pharmacy and Health Sciences (MCPHS)

Contact: Ana C. Quinones, Ph.d., R.Ph.
Tel: 617-732-2090; Email: aquinones@mcp.edu

April 6-9, 2003 – Bornheim-Walberberg, Germany
Phytochemistry and Biology of Lignans.

Contact: Prof. Dr. Maike Petersen,
Email: petersen@mail.uni-marburg.de
Website: www.lignans.de
Contact: Prof. Dr. A.W. Alfermann
Tel: (49) 211-811-4603
Fax: (49) 211-811-1466
Email: alferman@rz.uni-duesseldorf.de

May 13-18, 2003 – Moscow, Russia

100 Years of Chromatography,
3rd International Symposium on Separations
in Bio-Sciences (SBS -'03)

Contact: Vadim A, Davankov Nesmeyanov
Email: davank@ineos.ac.ru
Announcement - Chem. Int. 23(6), 2001

September 16-18, 2003 – La Paz, Bolivia

2nd International Symposium Ethnobotany
For more details, contact: Ronald Chaves, Head
Secretariat, Email: simposio@racsa.co.cr

The ASP Foundation News

The Foundation's Annual Fund Raising Campaign

By now you all may have received the annual fund raising letter from Foundation Chairman John Cassady. If you haven't contributed yet, please take a moment to fill out the donation form sent to you, include your check (or use the convenient charge card option), and mail it to Treasurer Bob Krueger at the address shown on the form. Your contributions do matter!

Ask any of the over 130 awardees of the past years if they appreciated your gifts. I am sure the answer would be a resounding "YES". You, partnering with the Society, can be proud of the numerous Travel Awards, including Nature's Sunshine Products, and Lynn Brady, the support to numerous young scientists through Research Starter Grants, the Matt Suffness Awards, Undergraduate Research

Grants, and the prestigious Lifetime Research Achievement Awards, Kilmer Prizes and ASP Student Research Awards.

This past year in New Jersey your generosity helped to support new awards for papers published in the *Journal of Natural Products* that honor two of our Journal's editors: Arthur E. Schwarting and Jack Beal. In fact, a total of 19 awards were given out at the 2002 Annual ASP Meeting, New Jersey.

Your Foundation exists to further the aims of the Society, and it has been able to accomplish that goal admirably through your help. So, if you haven't sent in your donation, join your fellow members who have, and please do.

The ASPF Board thanks everyone for their support this year and in years past. Best wishes for a happy New Year.

Robert Krueger, Treasurer

Renew Your ASP Membership Online

We have established an online membership renewal system. Through this secure system you can pay via credit card or via check to be mailed to the address given below. Membership dues and *Journal of Natural Products* (JNP) subscriptions for 2003 are now payable.

To pay your dues for 2003 and order your 2003 subscription to JNP online you need to:

- Log into the ASP Membership Directory, www.phcog.org;
- Press the "My Profile" tab. There is a new field "Paid Dues 2003." An "N" indicates that your dues have not been paid for 2003.
- Clicking on the "Pay Dues" button will take you to the new Membership Dues form.
- Follow the directions provided by the system.
- When completed, you will receive an e-mail indicating what the payment is & the mailing information if you are paying by check.

Please note:

If you have not accessed the Membership Directory as yet, the user name is 'asp' and the password is your ASP account number. These can be changed after you login for the first time. Should you not know your account number, click the "Forgot Your Password" key and the system will send you an e-mail with your password.

Please update your contact information in the Membership Directory before moving to pay your dues. Your contact information changes can only be made on the Membership Directory website.

For more information, contact:

David J. Slatkin, Ph.D., Treasurer
 American Society of Pharmacognosy
 Midwestern University,
 College of Pharmacy, Glendale,
 19555 N. 59th Avenue, Glendale, Arizona 85308
 Phone: 623-572-3500; Fax: 623-572-3510
 Website: www.phcog.org

Dr. E. John Staba
2840 Stinson Blvd NE
Minneapolis MN 55418

To



David J. Slatkin, Ph.D. Treasurer
The American Society of Pharmacognosy
P.O. Box 12548
Glendale, Arizona 85318-2548

MEMBERSHIP

Membership in the American Society of Phamacognosy is recognized in several categories

Full Membership

Full membership is open to any scientist interested in the study of natural products. Dues are \$35.00 per year. In order to receive the Journal of Natural Products the subscription rates are as follows: United States, Canada, and Mexico: \$86 (Print Edition), \$60 (Web Edition), \$146 (Both Print and Web); All other countries: \$129 (Print edition), \$60 (Web edition), \$189 (Both Print and Web).

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields only. These members are not accorded voting privileges. Dues are \$20.00 per year. In order to receive the Journal of Natural Products the subscription rates are as follows: United States, Canada, and Mexico: \$65 (Print Edition), \$60 (Web Edition), \$125 (Both Print and Web); All other countries: \$108 (Print Edition), \$60 (Web Edition), \$168 (Both Print and Web).

Emeritus Membership

Emeritus membership is open to retired members of the Society who maintained membership in the Society for at least five years. Dues are \$5.00 per year. These members receive the ASP Newsletter. Emeritus members may subscribe to the Journal of Natural Products at the Full Member rates.

Honorary Membership

Honorary members are selected by the Executive Committee of the American Society of Pharmacognosy on the basis of meritorious service to pharmacognosy.

Present Honorary Members are:

- Dr. Arnold Brossi, *National Institutes of Health, Maryland* • Dr. David P. Carew, *University of Iowa*
- Dr. Norman R. Farnsworth, *University of Illinois* • Dr. R. Hegnauer, *Leiden, Netherlands*
- Dr. Albert Hofmann, *Switzerland* • Dr. S. William Pelletier, *University of Georgia*
- Dr. James E. Robbers, *Purdue University* • Dr. Paul J. Scheuer, *University of Hawaii*
- Dr. E. John Staba, *University of Minnesota* • Dr. Hildebert Wagner, *University of Munich*
- Dr. Mansukh Wani, *Research Triangle Institute, NC*

Additional information about membership may be obtained by writing to the Treasurer of the Society:

David J. Slatkin, Ph.D, Treasurer, The American Society of Pharmacognosy,
PO Box 12548, Glendale, AZ 85318-2548

ASP Newsletter

Renuka Misra, Ph.D, Editor

Deadlines for submission of information are as follows:

Spring Issue — *March 1st*
Summer Issue — *June 1st*
Fall Issue — *September 1st*
Winter Issue — *December 1st*

Send information to:

Renuka Misra, Ph.D,
Editor -- *ASP Newsletter*
NIA/NIH & Xechem
12106 Pawnee Drive
Gaithersburg, MD 20878
Tel/Fax: (301) 330-5098

Email: renuasp2002@yahoo.com

