

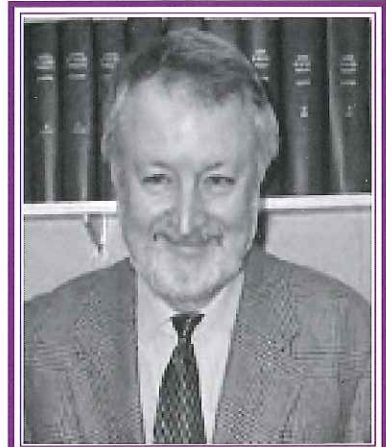


The American Society of Pharmacognosy

OSU's College of Pharmacy Names First Beal Chair...Doug Kinghorn

A. Douglass Kinghorn, PhD., professor of pharmacognosy at the University of Illinois at Chicago, has been named as the first Jack L. Beal Chair in Natural Products Chemistry and Pharmacognosy in the College of Pharmacy at The Ohio State University, (OSU).

Dr. Kinghorn is currently assistant head of the department of medicinal chemistry and pharmacognosy and associate director of the program for collaborative research in the pharmaceutical...



*Doug Kinghorn... Beal
Chair recipient*

Continued on page 7...

*ASP Goes to Honolulu...
Golden Jubilee Celebrations -2009
See... page 12*

Harry Fong Wins ASP... Honorary Membership Recognition



*"This is the last time
until the next time...."
-Harry Fong*

The American Society of Pharmacognosy (ASP) will recognize the outstanding achievements of Dr. Harry H.S. Fong, Professor Emeritus of Pharmacognosy, Dept. of Med. Chem. & Pharmacognosy, College of Pharmacy, Univ. of Illinois at Chicago with the prestigious honorary membership of the ASP at the ICNPR-2004 annual banquet, Phoenix, AZ on August 4, 2004.

Dr. Fong has contributed tremendously in the field of Natural Products / Pharmacognosy . He has served ASP as Vice President (1977-78) & President (1978- 79).

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NEWSLETTER

Vol. 40
No. 2



SUMMER
2004

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Treasurer Dr. David Slatkin

(Mailing details ...Page 16)

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Editor's Corner

Dear Friends;

Greetings!!

July 2004 marks the end of yet another successful year for ASP newsletter. It is time to look back and reflect on our progress and accomplishments, as well as look ahead to anticipate and prepare for forthcoming trends and challenges in natural products and pharmacognosy areas.



We have received several encouraging letters & comments from the readers with respect to the substance, appearance and timeliness of news-items. We are grateful for the kind words of appreciation.

Since this is the last issue of the yearly cycle, we have given ample opportunity to honor outstanding achievements of some of our ASP members in the pharmacognosy area, recognize new members, and convey our readers of useful information regarding upcoming events and news/stories.

Undoubtedly, the popularity and demand of natural products (Herbals) are on the rise. It is estimated that as many as 80% of Americans have tried natural products as herbal remedies or dietary supplements. Many think of dietary supplements as "natural" and therefore, safe. Contrary to such belief, Consumer Reports (CR), in its May 2004 issue, has reported that many "dangerous supplements" still exist in the US market. These supplements, though banned in many other countries, can easily be purchased both in stores and online. They may cause cancer, kidney failure, liver damage, heart problems, or even death, and should be avoided by consumers.

Some of these harmful products include: Aristolochic Acid, Comfrey, Germander, Androstenedione, Kava, Chapparal, Yohimbe, Scull Cap, etc. Responding to the question why FDA have not banned these products, CR reports: "...that regulatory barriers created by Congress, supplement industry pressure, and a lack of resources at the FDA have resulted in major risks for consumers."

During one of my meetings with (Late) Professor Varo Tyler, the first president of the ASP, I recall him saying something along these lines: "...I never thought that I will see such a demand for herbal products in my lifetime, I am pleased to see the growth. However, at the same time, I am also saddened to see what many herbal marketing groups have been doing with false claims about their products at the cost of the quality and the safety of the consumers..." It appears that Dr. Tyler had already cautioned us of something that the CR investigation reported recently.

How can ASP play a role in assuring that necessary measures are taken to protect consumers from harmful products and ill practices in the dietary supplement industry? Please send your thoughts and opinions in your letter to the editor.

Keep researching!!... See you all in Phoenix, Arizona.

Renuka

Winners of 2003 Schwarting & Beal Awards...

For Best Papers in the Journal of Natural Products

Beginning in 2001, the Journal of Natural Products Editorial Advisory Board began a new initiative with the inaugural Arthur E. Schwarting and Jack L. Beal Awards for the best research articles published in the journal within a given year. These awards honor two distinguished former editors of the journal, and are funded through the American Society of Pharmacognosy Foundation Board.

The Schwarting Award is open to all papers, while the Beal Award is open to papers submitted by younger investigators [i.e., persons within 12 years of receiving their Ph.D. degree, and within 10 years of gaining their first independent employment (e.g., Assistant Professor or an equivalent position in Industry or Government)]. A two tier process is used to determine the winners, with each editor from a given year nominating two papers each for the Schwarting Award and one paper each for the Beal Award; ASP President Jon Clardy then arranged for two *ad hoc* committees to choose the winners from the initial selections. The winners of Schwarting and Beal Awards for best papers published in the journal in 2003, chosen in this manner are as follows (the asterisks * denotes the corresponding authors & winners):

A 2003 Arthur E. Schwarting Award

WINNER: John W. Daly*

Bioassay-guided isolation of epiquinamide, a novel quinolizidine alkaloid and nicotinic agonist from an Ecuadoran poison frog, *Epipedobates tricolor*

Richard W. Fitch, H. Martin Garraffo, Thomas F. Spande, Herman J.C. Yeh, and John W. Daly*

Journal of Natural Products 2003, 66, 1345-1350.

B 2003 Jack L. Beal Award

WINNER: Nigel C. Veitch*

Six new isoflavones and a 5-deoxyflavonol glycoside from the leaves of *Ateleia herbert-smithii*

Nigel C. Veitch*, Polly S.E. Sutton, Geoffrey A. Kite, and Helen E. Ireland

Journal of Natural Products 2003, 66, 210-216.

The corresponding authors of these papers will be invited to attend the Banquet at the ICNPR-2004 Meeting at Phoenix, AZ to receive a check and a plaque in honor of their achievement.

The above-mentioned papers may be accessed from the home page of the *Journal of Natural Products* (<http://pubs.acs.org/JNP>).

Congratulations to the winners of these prestigious awards!

Jack Rosazza to Step Down as CBB Director



Dr. Jack Rosazza

After more than 13 years at the helm, Dr. Jack Rosazza, UI professor of medicinal and natural products chemistry, has announced he will step down from his position as director of the Center for Biocatalysis and Bioprocessing (CBB) in 2004 to help oversee the UI's portion of a \$17 million National Science Foundation Engineering Research Center grant.

Rosazza founded and has led the CBB since its inception in 1983. Over the past two decades he has helped secure initial state Board of Regents support for the center, supervised the construction of the CBB's multi-million dollar facilities at the Oakdale campus, and helped secure millions of dollars in external research funds.

Now Rosazza plans to serve as associate director of the new \$17 million Center for Environmentally Beneficial Catalysis (CEBC), headquartered at the University of Kansas (KU). The CEBC is a multidisciplinary, multiuniversity research center led by KU, with The University of Iowa and Washington University in St. Louis serving as core partners.

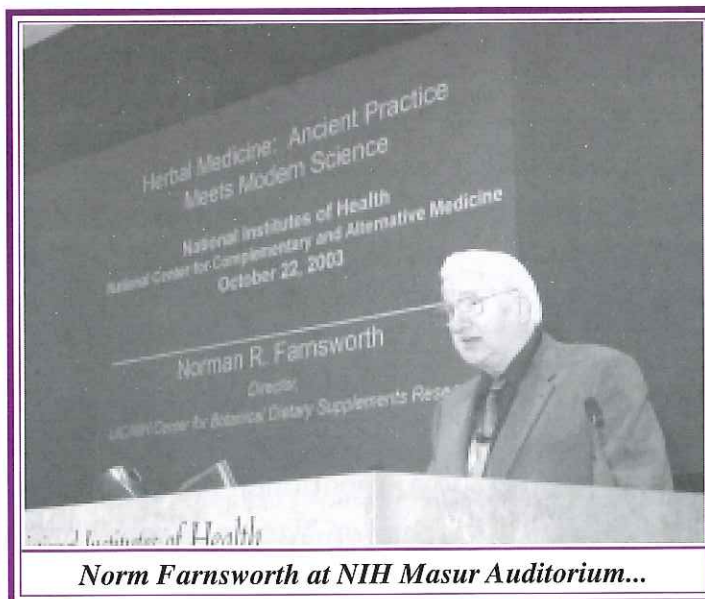
Rosazza will continue his research in the CBB Oakdale labs. and serve as CBB director until a replacement is found. The CBB is currently undergoing a search for a new director and will soon be soliciting nominations and applications for the position.

NCCAM's Distinguished Lectures in the Science of Complementary & Alternative Medicine...

Herbal Medicine: Ancient Practice Meets Modern Science

Norman R. Farnsworth, PhD., Director of the program for Collaborative Research in the Pharmaceutical Sciences at the University of Illinois at Chicago was the invited speaker in the part of National Center of Complementary and Alternative Medicine's (NCCAM's) "Distinguished Lectures in the Science of Complementary and Alternative Medicine" on October 22, 2003.

His lecture was on "Herbal Medicine: Ancient Practice Meets Modern Science," at the Masur Auditorium of National Institutes of Health (NIH), Bethesda, MD.



Norm Farnsworth at NIH Masur Auditorium...

A videocast is available at: nccam.nih.gov/news/lectures/past.

Fellowships to Honor Wall & Wani

The passing of Dr. Monroe E. Wall in the summer of 2002 was a great loss to the natural products research community. To honor both the late Dr. Wall and his colleague, Dr. Mansukh C. Wani, Research Triangle Institute (RTI) International* is establishing the Monroe E. Wall and Mansukh C. Wani Fellowships in Natural Products Research to provide opportunities for outstanding scientists to develop careers in the field. In support of the program, ASP has made a generous gift.

Built on the legacy of Drs. Wall and Wani, the fellowship program will include a pair of two-year post-doctoral fellowships to

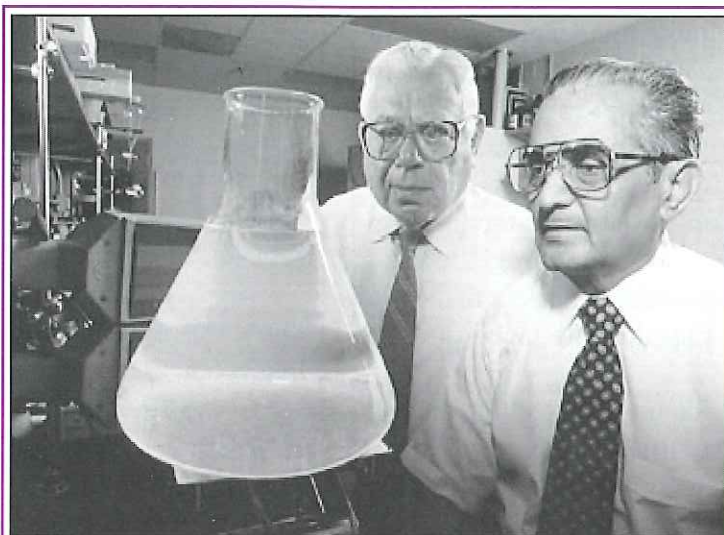
afford young scientists a rare occasion for self-directed research. The post-doctoral positions will be complemented by an annual visiting scientist position, designed for investigators from industry and academia on sabbatical. Through work in RTI's laboratories, these distinguished researchers will prepare to extend natural products mentoring into research laboratories throughout the world.

The accomplishments of Drs. Wall and Wani are well known to most readers. During their

more than four decades of work together in RTI's Natural Products Laboratory, Dr. Wall and Dr. Wani established new principles for the discovery of disease-fighting compounds from natural sources. They are credited with the two most important discoveries in cancer chemotherapy of the 1990s – Taxol® and camptothecin™**. Taxol,

camptothecin, and their analogs have saved hundreds of thousands of lives. As new mechanisms of action against cancer, these breakthroughs illustrate the power of natural products research.

RTI maintains a superior natural products research program with a



Dr. Wall's favorite photo... Dr. Wani shares in his moment of joy as they discover fluorescent camptothecin

distinguished record, innovative researchers, and strong collaborative relationships with colleagues in universities, industry, and the National Institutes of Health. RTI's laboratory provides a rich, multidisciplinary environment to train new generations of research scientists.

The laboratory plans for the first two-year fellow to join RTI as early as Fall 2005. RTI anticipates a very competitive application process. Application information will be posted at www.rti.org/wallwani when it becomes available.

* RTI International...trade name of Research Triangle Institute

**Taxol, a word coined by Monroe E. Wall of RTI, is a registered trademark of the Bristol-Myers Squibb Company. Camptothecin is a trademark of RTI.

News Alert...

❑ Ephedra Ban in Effect

FDA's ban on dietary supplements containing ephedrine alkaloids went in to effect April 12.

In a press release, secretary of Health and Human Services Tommy Thompson said FDA would take additional actions if necessary to stop manufacturers from selling and distributing ephedra supplements.

"These products pose unacceptable health risks, and any consumers who are still using them should stop immediately," Thompson said.

The ban went into effect after a judge from the U.S. District Court in N J denied an April 12 request from ephedra supplement manufacturers to issue a temporary injunction postponing the ban. Instead, the court asked for additional briefs to decide whether to permanently stay the rule, according to FDA.

"The court's decision makes clear that dietary supplements may not be lawfully marketed while the matter remains under review by the court," said acting FDA commissioner Lester Crawford, PhD.

❑ Toxic Herb Alert

The herb *Xanthoparmelia scabrosa*, found in several male sexual enhancement products sold as Viagra[®] alternatives targeted toward health foods stores and marketed on the Internet, has been shown to contain a toxic ester, according to the National Nutritional Foods Association-Midwest Region (NNFA-MW).

The NNFA-MW is calling on all dietary supplements suppliers and natural products retailers to investigate the products in their inventories, which may contain *Xanthoparmelia scabrosa*, and to seek legal advice to determine if they should continue to sell these products.

According to the NNFA-MW, FDA and FTC know this herb is toxic. *Xanthoparmelia scabrosa* has been researched since 1978.

Australian National University's department of chemistry and its Jon Curtin School of Medical Research have published articles on the cytotoxic activity of the esters of this herb.

❑ FDA Publishes Rule Referring to Herbs of Commerce

Food & Drug Administration (FDA) published a rule in the August 28 *Federal Register* that would enable manufacturers to more easily use the common names of herbal ingredients rather than their Latin botanical names.

The rule, which becomes effective January 1, 2006, allows the use of common names listed in the second edition of *Herbs of Commerce*, which covers 2048 separate plant species. Before the new rule was published, common names were only allowed to be used if they were listed in the first edition of the book, which covered only 550 species.

The first edition was published by the American Herbal Products Association (AHPA; Silver Spring, MD) in 1992.

❑ Walnuts Allowed Qualified Health Claim

Products containing whole or chopped walnuts can claim to reduce the risk of coronary heart disease now that FDA has approved a qualified health claim as part of its initiative to provide better information about the nutritive value of foods.

Claims must appear on labels as "supportive but not conclusive research shows that eating 1.5 oz of walnuts per day, as part of a low-saturated-fat and low-cholesterol diet, and not resulting in increasing caloric intake, may reduce the risk of coronary heart disease. See nutrition information for fat [and calorie] content."

The bracketed phrase, "and calorie," is optional. According to the agency, adding or deleting the phrase will not be a factor in its enforcement of the claim.

OSU's College of Pharmacy Names First ...

...Continued from page 1

A. Douglass Kinghorn

sciences at Chicago. He joined Ohio State on May 1.

"Professor Kinghorn is truly an eminent scholar in the areas of natural products and molecular biodiversity in drug discovery. He is highly regarded internationally and best fits the professorship established in honor of Dr. Jack Beal," says Dr. Robert W. Brueggemeier, dean of Ohio State's College of Pharmacy and professor of medicinal chemistry. At Ohio State, he will be working closely with members of the OSU Comprehensive Cancer Center's Experimental Therapeutics and Molecular Carcinogenesis and Chemoprevention Programs.

Kinghorn was educated in the United Kingdom and received degrees from the Universities of Bradford, Strathclyde and London. He received postdoctoral training at the Univ. of MI and the Univ. of IL. at Chicago. He is a fellow of the Linnean Society of London, the

Royal Pharmaceutical Society of Great Britain and the American Association of Pharmaceutical Scientists.

Kinghorn is best known for his research in the isolation, characterization and biological evaluation of natural products of plant-based anti-cancer compounds and scientific investigation of phytomedicines. Kinghorn also works on the isolation and biological evaluation of novel natural product cancer chemopreventive agents from dietary plants and herbal remedies. Kinghorn is a heavily-

funded researcher and will be bringing with him to Ohio State a major research project funded by the National Cancer Institute. This is a National Cooperative Drug Discovery Group grant that supports efforts to discover new plant-derived anti-cancer agents. This multi-institutional grant of approximately one million dollars per year supports collaborative research at Ohio State, the Univ. of Illinois at Chicago, Research Triangle Institute and the Pharmaceutical Research Institute at Bristol-Myers Squibb.

Kinghorn was designated the 1993 B. Kenneth West Univ. Scholar and was the recipient of the 2002-2003 UIC Award for Excellence in Teaching. Doug is the editor of Journal of Natural Products. He will move the editorial office of the Journal of Natural Products to Ohio State. Doug has been editor-in-chief of the publication since 1994.

"It is indeed fitting to have Doug be the first Beal Chair and to

"It is indeed fitting to have Doug be the first Beal Chair and to see the Journal return to Ohio State, since Jack Beal served as journal editor..."

see the journal return to Ohio State, since Jack Beal served as journal editor during the 1970's and early 1980's," says Brueggemeier.

The Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, part of the Comprehensive Cancer Center at The Ohio State University, is the only freestanding cancer hospital in the Midwest. It is a national and international leader in translational research and clinical care, and one of the charter members of the National Comprehensive Cancer Network. U.S. News & World Report.

Congratulations Doug on Your Outstanding Achievements!!



ASP EXTENDS A CORDIAL

FULL MEMBERS

Hongfeng Luo

Univ. of AK, Med. Sc.
Little Rock, AK

Hameed Khan

NIH / NICHD / DSR
Rockville, MD

Lin Xongxiang

Tianjin, China

Jack Woolley

School of Pharmacy
Gateway De Mont. Univ.
Leicester, AZ

Cheryl Craft

Nat. Res. Coun. Canada
Halifax, Canada

Albert Ayeni

Cook College
Rutgers University
New Brunswick, NJ

Yang Ye

Shanghai Inst. of
Materia Medica
Shanghai, China

Joanne Barnes

Centre for Pharmacog. &
Phytotherapy, Sch. of
Pharm., Univ. of London
London, UK

Tara Datt

Min. Health & Fam. Wel.
New Delhi, India

Sonia Mesia-Vela

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Curitiba, Parana, Brazil

Abike Robert

Dept. of Pharmacog., Coll.
of Med., Univ. of Ibadan
Ibadan, Nigeria

Girma Woldemichael

NCI - Frederick
Fredrick, MD

Animesh Goswami

Bristol - Myers Squibb
New Brunswick, NJ

Paul Horton

Indian River Comm. Coll.
Fort Pierce, FL

Geneive Henry

Susquehanna Univ.
Selinsgrove, PA

Delano Freeberg

AMRI
Algonquin, IL

Geetanjali Chakraborty

Arlington, VA

Dejan Nikolic

Dept. of Med. Chem. &
Pharmacog., Coll. of Pharm.
Chicago, IL

Francesco Miceli

Briatico, Italy

Darrell Crick

PTC Organics, Inc.
Shamong, NJ

Prema Tripathi

Xechem Inc.
New Brunswick, NJ

Robert Heyer

Red Bank, NJ

Sridevi Ankisetty

Oxford, MS

Herbert Wetli

Novartis Pharma
Basel, Switzerland

Emidio da Cunha

Laboratorio de Tecnologia
Farmaceutica
Joao Pessoa-Paraiba, Brazil

Brian Douglas

AMP Pharm Ltd.
Savona, Canada

O. Kunle

Nat. Inst. for Pharmaceuti-
cal Res. & Dev. (NIPRD)
Garki, Abuja, Nigeria

Robert Sinnott

Larreacorp, Ltd.
Chandler, AZ

Agnes Rimando

USDA ARS NPURU
University, MS

Meide Pan

NSF International
Ann Arbor, MI

Leng Chee Chang

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Univ. of Minnesota
Duluth, MN

Preeti Dhar

Dept. of Chemistry
New Paltz, NJ

Yanhui Meng

AZ State University
Cancer Research Institute
Tempe, AZ

Philip Coombes

University of Natal
School of Chemistry
Durban, South Africa

Neil Koorbanally

Univ. of Kwa-Zulu Natal
Durban, South Africa

Dulce Silva

Instituto de Quimica-
UNESP-Araraquara
Araraquara, Brazil

Bijay Raut

Arlington, VA

Chad Stessman

CSU Stanislaus,
Dept. of Chem.
Turlock, CA

ASP Invites all new members to get involved in...
see you all at ICNPR-2004 at Phoenix,...

WELCOME TO NEW MEMBERS

Sang-Un Park
Dept. of Bio. Sc.,
Univ. of Calgary
Calgary, Canada

Obiageri Obodozie
Dept. of Med. Chem.
Abuja, Nigeria

Ake Elhammer
AureoGen Biosciences
Kalamazoo, MI

Jerry Slightom
AureoGen Biosciences
Kalamazoo, MI

Ulyana Munoz Acuna
Dept. of Biology
Lehman College
Bronx, NY

Waseem Gul
ElSohly Laboratories Inc.
University, MS

Paula Brown
British Columbia
Institute of Technology
Burnaby, Canada

C. Latha
Nat. Chem. Laboratory
Pune, India

Ulyana Munoz-Acuno
Lehman College
Bronx, NY

Richard Lund
Van Nuys, CA

Precilla D'Mello
KMK College of Pharm.
Mumbai, India

Jon Thorson
Univ. of Wisconsin
School of Pharmacy
Madison, WI

Christy Paganelli
Access Business Group
Ada, MI

Dusan Ninkov
Pharmessen Inc.
San Diego, CA

Sarah Bird
Kelly Scientific Resources
Pleasanton, CA

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Family Welfare
New Delhi, India

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Biotech & Biomol. Sc.
Univ. of New South Wales
Sydney, Australia

J. Muthumary
Univ. of Madras
Chennai, India

L. M. Palni
State Biotech Program
Pantnagar, India

R. Rawat
Ministry of Health & F.W.
Nat. Med. Plants Board
New Delhi, India

Neil Crouch
National Botanical Inst.
Durban, South Africa

Akiyoshi Sawabe
Faculty of Agriculture,
Kinki Univ.
Nara, Japan

Joern Piel
Max Planck Institute of
Chemical Ecology
Jena, Germany

Raul Alcalay
Barcelona, Spain

Sven-Eric Wohlerlert
Combinature Biopharm AG
Berlin, Germany

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Oxford, MS

Nicholas Vidor
International Falls, MN

Donna Webster
Chicago, IL

...the various activities of the Society, we hope to
...AZ, July 31 to August 4 2004

ASP Honorary Membership...

...Continued from page 1

He was born June 30, 1935 in China, and became a USA citizen in 1968. He received his BS (1959) and MS (1961) in Pharmacy from the University of Pittsburgh, School of Pharmacy; and the Ph.D. (1965) from The Ohio State University. He was Assistant/Associate Professor of Pharmacognosy, School of Pharmacy, University of Pittsburgh (1965 – 1970). He served as Associate Professor/Professor (1970-2004), and Professor Emeritus of Pharmacognosy, College of Pharmacy, University of Illinois at Chicago (2004- present).

His major research interest are in Bioassay-directed isolation, identification / structure elucidation of natural products anitcaner, cancer chemoprevention, anti-malarial, anti-HIV, and anti-tuberculosis agents from higher plants; phytochemical analysis and standardization of medicinal plants and herbal products; monographing

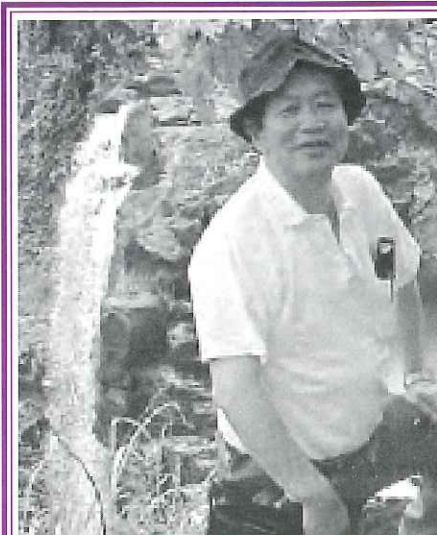
*“Pharmacognosy has been good to me.
The ASP has been good to me.
And Life's been good.”*

-Harry

medicinal plants for the WHO Program on Traditional Medicine.

Dr. Fong is a member of several professional organizations including the American Society of Pharmacognosy and the Society for Economic Botany. He has several recognitions and honors to his credit.

When asked, what he does in his spare time and enjoys the most? “...Life, however, is not all about natural products chemistry. There must be a balance. What do I do in my spare time? I do what I enjoy the most. What I enjoy the most has been my international programming, especially my work with the World Health Organization Program on



*Harry Exploring
Natural products / Biodiversity*

Traditional Medicine (Geneva headquarter as well as its various Regional Offices over the last 20 years). My assignments as Short Term Consultant or Temporary Advisor have taken me to Africa (Zimbabwe); The Americas (Kingston, Jamaica, Guatemala City, Guatemala); Europe; The Pacific Islands; Asia and Southeast Asia, which exposed me to, and enabled me to learn, much of the cultures, employment, and research on various aspects of traditional medicine in those diverse countries.” Dr. Fong replies.

He is author/co-author of more than 230 research papers, a number of book chapters and review articles. He is also involved with Prof. Farnsworth in writing *WHO Monographs on Selected Medicinal Plants Vol. I-IV* and the publication of the *WHO Guidelines on Good Agricultural and Collection Practices (GACP)* for medicinal plants.

Pharmacognosy has been good to me. The ASP has been good to me. And Life's been good.

ASP is Proud of Your Accomplishments!!

ASP Research Achievement Award - 2006

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 - (Late) S. William Pelletier
 1992 - (Late) 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
 2004 - Jon Clardy

Call for Nominations for 2006

Nominations cut off date will be sometime in the Spring of 2005. The exact date will be announced in the Fall 2004 issue of the ASP Newsletter. Nominations may be sent 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

Nomination documents should be submitted in triplicate to:

Dr. James Gloer

Department of Chemistry
 University of Iowa
 Iowa City, Iowa 52442
 Phone: 319-335-1361
 Fax: 319-335-1270
james-gloer@uiowa.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

MEETINGS

A Future ASP Meetings

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
July 22-26, Crystal City, MD

2007 -

To Be Announced...

B Other Meetings of Interest

August 15-18, 2004-- Sao Pedro, Brazil

*Chemistry, Biological and Pharmacological
Properties from Med. plants of the Americas*

For more details contact

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Institute of Pharmacog. & Phytochemistry
University of Lausanne, B.E.P., CH-1015
Lausanne - Dorigny, Switzerland.
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Email: Kurt.Hostettmann@ipp.unil.ch
www.sbg.org.br/eventos/indexeventos.ht

October 4 - 7, 2004 -- Tehran, Iran

*2nd International Congress on Traditional
Medicine and Materia Medica*

Contact Information

M. Mosaddegh, Ph.D.
P.O. Box 14155-6354, Tehran, Iran
Tel: +98 21 877 3525; Fax: +98 21 877 6027
Email: tmcongress2@neda.net

Visit us at: www.itmrc.org

ASP's 50th Anniversary in 2009!

*ASP will be celebrating its
Golden Jubilee of the founding
of the Society*

on...June 27 - July 1, 2009
at... Sheraton Waikiki,
Honolulu, Hawaii.

*Watch for more information as
planning progresses.*

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A That...WHO Releases Guidelines For Medicinal Plants?

On February 10th, the World Health Organization (WHO), Geneva, Switzerland, released guidelines for good agricultural and collection practices for medicinal plants. The guidelines are intended for national governments to ensure production for herbal medicines of good quality, safe and sustainable and poses no threat to either people or the environment.

WHO said,... "One of major causes of adverse events is directly linked to the poor quality of herbal medicines, including raw medicinal plant materials, and to the wrong identification of plant species. Cultivation, collecting and classifying plants correctly are therefore of the utmost importance for the quality and safety of products."

WHO also said there is a risk that a growing herbal market might pose a threat to biodiversity through over harvesting of the raw materials for herbal medicines and other natural healthcare products. If not controlled, these practices may lead to the extinction of endangered

species and the destruction of natural habitats and resources.

C That...Curcumin Protects Carcinogenesis?

Curcumin enhances the antioxidant and phase-II metabolizing enzymes in male mice, suggesting a possible role in protection against chemical carcinogenesis and toxicity, according to research carried out by the Dept. of Pathological Res., Faculty of Medicine at Okayama Univ. Graduate Sch. of Medicine and Dentistry (Okayama, Japan).

According to researchers, dietary supplements of curcumin to male dd Y mice for 30 days significantly increased the activities of glutathione peroxidase reductase, glucose-6-phosphate dehydrogenase, and catalase. Curcumin also results in a considerable enhancement in the activity of phase-II metabolizing enzymes, glutathione S-transferase and quinone reductase.

B That.. Arjuna (*Terminalia arjuna*), an Ayurvedic plant protects heart disease?

Arjuna, an Ayurvedic plant, have been shown to help coronary artery disease. Although many Ayurvedic plants have been shown to help coronary heart disease, Arjuna by far seems to be the best plant for heart health. Arjuna extract has been shown to be a powerful antioxidant protecting the heart from oxidation. The anti-coagulant and anti-platelet aggregation actions keeps the blood thin and lower LDL, while increasing HDL. It also has cardioprotective, hypotensive and anti-inflammatory properties.

Arjuna extract has shown to reverse the damage to heart muscle. Its blood thinning abilities were comparable to those of aspirin and heparin, and it has also been used for bleeding disorders, which means its has adaptogenic actions.

Arjuna has been shown to be beneficial in patients with coronary heart disease in a number of studies....comparable results to nitroglycerine in reversing angina and increasing exercise capacity. It has been shown to reverse plaque formation in

the arteries and lower blood pressure. **A typical dose of arjuna is 500 mg of standardized extract.**

D That...NIH Will Fund Chromium Picolinate Study?

The National Institutes of Health (NIH), Bethesda, MD, has awarded Dr. William Cefalu, at the Pennington Biomedical Research Center of Louisiana State University, a research grant to evaluate the use of Chromax chromium picolinate supplementation in people with type 2 diabetes.

This study will use "gold standard" techniques to evaluate carbohydrate metabolism in human subjects with type 2 diabetes and will also use techniques to evaluate the specific mechanism by which it may work.

"Based on the large numbers of subjects to be evaluated, this study has the potential to specifically address the role of chromium picolinate in diabetes, and follow up on the positive observations seen in the obese animal models," he said.

**DID
YOU
KNOW ?**

NEW BOOKS RELEASED

◆ MEDICINAL PLANTS OF THE WORLD

Editors: Ben-Erik van Wyk & Michael Wink

Contents: The book aims to conceptualise the rapidly expanding field of best-known & important medicinal plants, including those of special or historical interest.

- Description of more than 300 medicinal plants & their close relatives, including: plant description, geographical origin, therapeutic category, historical and modern uses, active ingredients and pharmacological effects
- More than 500 color photographs
- Introductory chapters on various healing cultures of the world, general concepts, common ailments and their treatment with modern phytomedicines; traditional remedies and the study of active compounds and their pharmacological effects.
- A quick guide to all the most important and well known medicinal plants of the world, listed by scientific name by giving the common names.

Hardcover ISBN 0-88192-602-7; 480pp, 793 color photos

Price: US \$39.95; CAN \$54.95 + shipping & handling

◆ MEDICINAL PLANTS IN FOLK TRADITION

An Ethnobotany of Britain and Ireland

Editors: David E. Allen & Gabrielle Hatfield

Contents: This book provides the first comprehensive account of medicinal uses of wild plants by the country folk of Britain and Ireland.

- Among the many kinds of plants recorded here are a seaweed used in Scotland against 'all maladies except Black Death,' a mushroom stewed in milk in Norfolk to soothe the cancer of the throat, a fern identified in Ireland as a 'herb of the seven gifts' for its reputed ability to cure diseases, and the remarkable range of benefits attributed to nettles and much more.
- An appendix of veterinary uses is provided. Illustrations include 56 carefully chosen drawings and 31 color photographs by Deni Bown

Hardcover ISBN 0-88192-638-8; 396 pp, 31 color photos

Price: US \$29.95; CAN \$39.95 + shipping and handling

Publisher: Timber Press, Inc. 133 S.W. 2nd Ave., Ste. 450, Portland, OR 97204-3527.

Tel: 1(800) 327-5680, (503) 227-2878; Fax (503) 227-3070

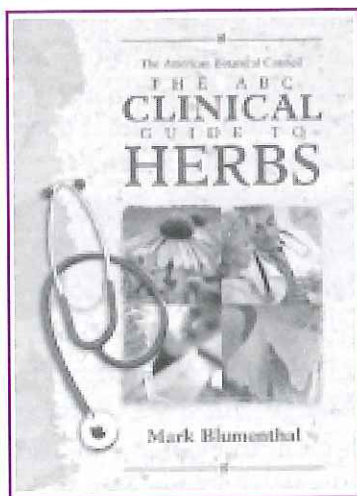
www.timberpress.com and email at publicity@timberpress.com

◆ *The American Botanical Council* THE ABC CLINICAL GUIDE TO HERBS

Author: Mark Blumenthal

Contents: The American Botanical Council (ABC), Austin, TX, recently released its newest reference for herbs and botanicals called *The ABC Clinical Guide to Herbs*.

- This therapeutic guide and reference book contains a comprehensive review of 29 of the most commonly used herbs in the U.S. and 13 proprietary products as well as their relevance to modern medicine.
- The ABC Clinical Guide to Herbs features a comprehensive monograph on each herb, a clinical overview for quick reference to key issues regarding safe, therapeutic use and a simplified information sheet for consumers and patients that includes descriptions, uses, cautionary information, adverse effects, drug interactions and dosages.



- A separate chapter covers 13 proprietary herbal products that have undergone clinical studies.
- ABC created this book as an important resource for professionals and interested consumers.

Visit: www.herbalgram.org.

Hardcover: ISBN: 1588901572; 480 pages

List Price: \$69.95

Publisher: Thieme Medical Publishers

333 Seventh Ave., New York, NY 10001

Tel: 212-760-0888 ; Fax: 212 947- 1112

Thieme Medical website: www.thieme.com

◆ CARNIVOROUS PLANTS OF THE WORLD

Authors: James & Patricia Pietropaolo

Contents: Few groups of plants capture the imagination like these carnivores, which act as predator rather than prey. Among the best known are the Venus fly trap and the various pitcher plants; these and many others are covered.

Paperback ISBN 0-88192-356-7; 206 pp, 57 color photos

List Price: \$22.95

Publisher: Timber Press (see address above)

News For Researchers

A NCCAM Celebrates Five Years... invites you to help plan its future!!

In 1999, the U.S. Congress established National Center of Complementary and Alternative Medicine (NCCAM) at the National Institutes of Health (NIH). NCCAM celebrates its fifth anniversary in 2004. As part of that celebration, the Center has launched a strategic planning initiative to establish its vision and goals for the years 2005 to 2009. All stakeholders (the public, health care professionals, researchers, and others) are invited to be part of this planning process. Here are the ways you can participate:

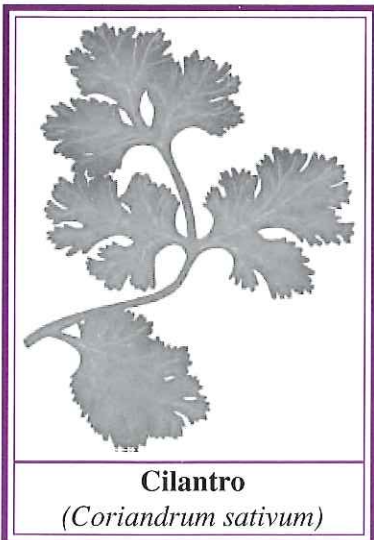
- ◆ **Submit your written views / recommendations about NCCAM's future directions...
at : nccam.nih.gov/about/plans/2005**
- ◆ **Comment on the draft strategic plan when it is posted in Fall 2004 on the NCCAM website.**

NCCAM's first strategic plan set out a vision and plans for the years 2001 to 2005 (see: nih.gov/about/plans/fiveyear). The Center now seeks to build on its achievements, refine its goals, and prioritize its investments to realize the greatest success and impact in the upcoming years. The first public events, in the strategic planning process were NCCAM's two Stakeholder Forums. The first was held on March 22, 2004, in Bethesda, MD and the second on April 19, 2004, in Seattle, WA. See : (nccam.nih.gov/about/plans/2005)

B Cilantro compound fights food poisoning... Chemical in Cilantro kills germs

Cilantro is the Spanish word for coriander (*Coriandrum sativum*; *umbelliferae*) leaves. It is also sometimes called Chinese or Mexican parsley. Technically, coriander refers to the entire plant. It is a member of the Carrot family.

A study revealed that cilantro, an herb that is commonly used to add flavor to several kinds of Mexican dishes, contains a compound that could help prevent food borne illnesses such as salmonella. **The compound is called dodecenal and is found in the leaves and seeds of cilantro.**



Cilantro
(*Coriandrum sativum*)

Researchers found that dodecenal was twice as strong and more effective than gentamicin, a widely used antibiotic treatment for salmonella. Based on these findings researchers suggested the possibility of using dodecenal as a tasteless food additive to help guard against food-borne illnesses. Researchers suggested using it to create a layer of protection over meat at processing plants or as a possible all-purpose cleaning and hand-washing agent.

It was also discovered that cilantro contained as many as a dozen other antibiotic compounds. Researchers cautioned individuals not to rely solely on salsa to protect them from food-borne illnesses and instead recommended individuals take the proper precautions with the storing and handling of any food. It is believed that the compound was effective at helping prevent food-borne illnesses because it killed off the cell membrane of the bacteria.

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TO

David J. Slatkin, Ph.D., Treasurer
The American Society of Pharmacognosy
853 Sanders Road, # 260
Northbrook, Illinois 60062

MEMBERSHIP Membership in the American Society of Pharmacognosy 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.

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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,
853 Sanders Road, #260, Northbrook, Illinois 60062

ASP Newsletter

Renuka Misra, Ph.D., Editor

Deadlines for submission of information are as follows:

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