



THE AMERICAN SOCIETY OF PHARMACOGNOSY

VARRO "TIP" TYLER

Our society lost one of its most revered patriarchs with the death of Varro "Tip" Tyler from a pulmonary embolism on August 22, 2001. He and Ginny, his beloved wife of 54 years, had just returned to West Lafayette the day before from a vacation trip to Austria. Because of jet lag, they rose early on the 22nd. While Ginny was preparing breakfast, she heard Tip softly call her name, and she found him at his desk.



Tip Tyler was one of those unique individuals who cast a long shadow in life having had a profound impact on pharmacy education, natural product science, and the use of herbal medicine by the American public as well as the worldwide community. As a broad view of some of his accomplishments, he was a renowned educator serving Purdue University as Dean of Pharmacy for twenty years before his selection as executive vice president for academic affairs. While a professor at the University of Washington, he conducted a distinguished research career on the chemistry of toxic mushrooms and other fungi. He was the senior author of the most widely used text in

HEBER W. YOUNGKEN, JR.
1913-2001

pharmacognosy in the United States. He was recognized as one of the nation's leading experts on herbal

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Heber W. Youngken, Jr., passed away October 22, 2001 at the age of 88. He was Professor of Pharmacognosy and Dean of the College of Pharmacy, University of Rhode Island from 1957 to 1981. He was also Provost for Health Sciences Affairs at the University of Rhode Island.

Born in Philadelphia, he received his A.B. from Bucknell University in 1935, his B.S. from the Massachusetts College of Pharmacy in 1938, his M.S. in 1940, and his Ph.D. from the University of Minnesota in 1942. Before moving to Rhode Island to become the first Dean of the College, he was Professor and Chairman of the Department of Pharmacognosy at the University of Washington. He was Chairman of the Plant Science Seminar (the progenitor of ASP) from 1950 to 1951, and the President of ASP from 1969 to 1970.

He was a pioneer in the biosynthetic and pharmacological approach to pharmacognosy research and curricula. In Rhode Island, he saw the potential of marine natural products as drugs, and pursued this area of research. He hosted the first Drugs from the Sea Conference at University of Rhode Island in 1967 and again in 1969, which triggered tremendous interest in marine natural products in the following years.

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ANNUAL MEETING PHOTOS AND IMPORTANT DATES

IMPORTANT DATES

April 15, 2002	Abstracts Due
May 15, 2002	Early Registration Due
June 22, 2002	Room rates at Hyatt Regency Guaranteed Until This Date
June 28, 2002	Optional Activities Registration Deadline
June 28, 2002	Room Rates at Comfort Suites Guaranteed Until This Date
July 27-31, 2002	ASP Meeting



Edmond LaVoie, Ph.D., Monroe Wall, Ph.D., and Mansukh Wani, Ph.D. at a previous Monroe Wall Symposium

To register:

Participants must complete a registration form and all fees must accompany the form. The Organizing Committee has established the following registration fee schedule for the meeting. Registrations: Early registration for the conference is encouraged, and must be received by May 15, 2002.. Registration for ASP members and full registration for non-members includes the program, abstract book and all events. For ASP members, registration on or before May 15 is \$375.00; after May 15, \$455.00. For non-members, registration on or before May 15 is \$425.00; after May 15, \$500.00. For Postdoctoral Associates, registration on or before May 15 is \$175.00; after May 15, \$250.00 and includes the program, abstract book and all events **except** the Monday boat trip. For students, registration on or before May 15 is \$125.00; after May 15, \$200. For students, registration includes program, abstract book and all events **except** the Monday boat trip. The daily rate is \$150.00. This includes program and abstract book only.

Extra tickets for program events and tickets for optional activities are available to late and on-site registrants on a "space available" basis.

Extra tickets for program events:

- Saturday Mixer, \$25.00
- Monday Boat Trip, \$85.00
- Wednesday Reception/Banquet, \$60.00



The Cornucopia Princess passing the Statue of Liberty.

Visit the Society's website at <http://www.phcog.org/>

The Joint Monroe Wall Symposium and 43rd Annual Meeting of the American Society of Pharmacognosy (ASP), July 27-31, 2002 at the Hyatt Regency Hotel, New Brunswick, New Jersey

ASP members, their spouses, friends and professionals interested in botanicals, folklore medicines, Traditional Chinese Medicines (TCM), Ayurvedic Indian Medicines and other herbal preparations are invited to join us for The Joint Monroe Wall Symposium and 43rd Annual Meeting of the American Society of Pharmacognosy, July 27-31, 2002 at the Hyatt Regency Hotel, New Brunswick, New Jersey. We have arranged an interesting program featuring NUTRACEUTICALS: "A Global View" and the MONROE WALL SYMPOSIUM focusing on "Advances in Drug Discovery from Natural Products" with a list of exceptional symposium speakers, as well as fun-filled social activities including an excursion Boat Trip (on the *Cornucopia Princess*) around the Statue of Liberty and many optional tours including Atlantic City (gambling, boardwalk, shore and shows), Ellis Island (Museum of Immigration), Garden State Performing Art Center, Tour of New York City. The venue for the meeting is the Hyatt Regency Hotel, located in the heart of downtown New Brunswick, only two blocks from the railway station. The train offers access to New York City, (only 50 minutes away), Philadelphia, Baltimore and Washington, D.C. Did you know that New Jersey is considered the

"Pharmaceutical Capital of the World" as many major pharmaceutical companies are located here? Come visit Rutgers, The State University of New Jersey only a few blocks from the hotel.

Or travel 20 minutes to historic Princeton, home of Princeton University, and take time to browse the quaint little shops. Don't forget New Jersey is known for its sports teams and world championship golf courses.

Come learn about New Jersey – find out what a "jug handle" is, why North Brunswick is south of New Brunswick and why New Jersey has a shore and not a beach. Come find out why comedians make fun of this state off Exit 9 on the Turnpike at a local comedy club. Did you know George Washington slept his way through the state and many of the homes he stayed at are still standing as museums? New Jersey is known for many things, including having large shopping and discount malls. Come check them out!

Mark your calendars now and plan to attend an informative, exciting and fun filled meeting in an historic place. Contributed papers (oral and



poster) will be accepted. Sponsorship opportunities are now offered for the reception, poster sessions and meals.

The meeting/conference registration information, hotel reservation information and abstract submission, travel related matters may be requested from the undersigned or found on the ASP website, www.phcog.org.

For further information you may also write or call:

Ramesh C. Pandey, Ph.D.
General Chair –
Joint Monroe Wall Symposium
and 43rd Annual ASP
Organizing Committee
New Brunswick Biotechnology
Center
100 Jersey Ave, B-310
New Brunswick, NJ 08901
Tel: (732) 247-0335
Fax: (732) 247-4090
E-mail:
rcp2002asp@hotmail.com

For further information, connect to the Society's website.

AWARDS AND GRANTS

ASP Student Research Award

Undergraduate Research Award

Research Starter Grants

Travel Grants for Graduate Students

The Kilmer Prize

Matt Suffness Award

Awards and Grants for Students

To stimulate interest in all phases of natural products research, the American Society of Pharmacognosy is offering the following awards and grants:

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 1, 2001.

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 1, 2001:

- a. 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.
- b. A transcript of all college work attempted.
- c. A curriculum vitae.
- d. 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.
- e. 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.

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 1, 2001.

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 1, 2001.

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 and do not provide indirect costs. 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 1, 2001. 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 1, 2001. 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.

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

- 1) 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.
- 2) Nominees must be ASP members.
- 3) Nominees shall be within 12 years of receiving their Ph.D., and within 10 years of gaining their first independent position (e.g., Assistant Professor or equivalent position in industry or government).
- 4) 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 *Journal of Natural Products*.
- 5) Nominations will be solicited in the Newsletter, on the Website, and from recipients of the Research Achievement Award. Self-submissions will not be accepted.
- 6) Nominations will only be accepted from active ASP members.
- 7) The Awards and Funds Committee must keep in close contact with the appropriate ASP meeting Scientific Program Committee.
- 8) The deadline for this year's award is March 31, 2001

The Matt Suffness Award will consist 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.

To Apply

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

William Gerwick
College of Pharmacy
Oregon State University
Corvallis, Oregon 97331
TEL: 541-737-5801
FAX: 541-737-3999
E-mail: Bill.Gerwick@orst.edu



Research Achievement Award

The American Society of Pharmacognosy selects a recipient for the ASP Research Award annually. 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

Nominations for the 2002 award are due by April 1, 2001 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

Continued on next page.

**ASP Awards at the Intel International Science and Engineering Fair
San Jose, CA
May, 2001**



Ray Cooper (chair of
Judging Team) with ASP
Award recipients
Ms. Suba Sruti
Kambarajapuram Desikan
and
Ms. Kekaiauiu Kellett

Research Achievement Award

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candidate's scientific accomplishments. Nominations from previous years will not be reconsidered unless the entire dossier is resubmitted. Documents should be submitted **in triplicate** to:

David G. I. Kingston
Department of Chemistry
M/C 0212
Virginia Tech
Blacksburg, VA 24061
Phone: (540)231-6570
FAX: (540)231-7702
Internet: DKingston@vt.edu

EMPLOYMENT SERVICE

The American Society of Pharmacognosy offers a placement service to aid our members in seeking positions or employees. This service is available only to ASP members and is free to both the applicant and the prospective employer. Once an application is submitted, it will remain on file for one (1) year, at which time it will be destroyed. The applicant should realize that this is not a resume service and that the application will be submitted to the prospective employer exactly as submitted (i.e. the submitted form will be photocopied, then sent to the prospective employer). All information submitted will be held in strict confidence.

Forms and further information may be obtained from:

Dr. Edward J. Kennelly
Dept of Biological Sciences
Lehman College, CUNY
250 Bedford Park Blvd West
Bronx NY 10468
phone: 718-960-1105
fax: 718-960-8236
e-mail: kennelly@lehman.cuny.edu

Visit the Society's website at <<http://www.phcog.org/>>

INTERIM MEETING

JOINT MEETING HELD WITH CRN IN CALIFORNIA

Dr. Paul Coates, director of the Office of Dietary Supplements at the National Institutes of Health, opened the three-day interim meeting of the American Society of Pharmacognosy (ASP) with his engaging keynote address. The meeting, co-sponsored by the Council for Responsible Nutrition (CRN), was held Nov. 8-11 at the historic Asilomar Conference Center in California.

In the opening speech, Dr. Coates paid tribute to the late Varro Tyler by reviewing the critical issues raised by Dr. Tyler in his 1999 ASP "Phytomedicines: Back to the Future" keynote address. Dr. Coates reaffirmed the importance of providing the consuming public with high quality products and reliable information about the safety and efficacy of ingredients in these products. He emphasized that academia, industry, professional organizations, and government agencies can all contribute to these efforts.

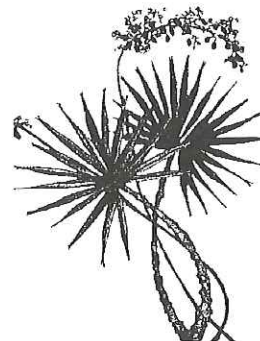
On the second day of the meeting, Dr. Norman Farnsworth, distinguished professor at the University of Illinois, Chicago, was awarded the first Pharmanex Prize for significant scientific contributions related to botanicals. In his address, Dr. Farnsworth outlined the challenges facing the botanical dietary supplement industry, which include the lack of dietary supplement good manufacturing practices, standardization that is frequently unrelated to bioactive constituents, advertising claims that are often untrue and misleading, and meager activity to identify new botanical ingredients.

A series of lectures built on the program theme of "natural products at a crossroads"

traced the critical issues of herbal supplement production—from the ground to the consumer. Good agricultural practices were championed as the necessary foundation for quality botanical products, and pilot studies to determine how plant population density affects the production and concentration of active components were described. Several speakers explained research to identify pharmacologically active plant constituents, antioxidant properties, reference markers for quality control, and the analytical challenges that accompany this research. Good clinical practices were exemplified through the presentation of clinical trial data for a valerian-hops product, black cohosh, and feverfew. The last formal talks discussed the role of ethnobotanical research in the discovery of new phytotherapies, the need to preserve indigenous language and culture, and the importance of establishing benefit-sharing partnership agreements with native communities.

A well attended two-hour open forum discussion was held on the last day of the meeting. The lively debate, which focused on scientific challenges facing the botanicals industry, highlighted the broad expertise of the conference participants.

John Cardellina



A MESSAGE FROM OUR PRESIDENT

The New President's Remarks made at the ASP banquet in Oaxaco, Mexico on July 18, 2001.

Ladies and Gentlemen:

The American Society of Pharmacognosy is a great society. I will tell you why I believe this is so. You may not agree with me, but that is alright, for I am told today that diversity of ideas is good. I think our society is great, not because of the brilliance and accomplishments of the biologists, chemists, pharmacologists, pharmacognosists, etc. who are members, for I believe other societies can equal ours in these respects. I think our society is great because it operates as a family — in an atmosphere of genuine friendship — though extended throughout the world. Our members range from Canada, U.S.A., Mexico, Central America, Europe, Asia, Africa, Australia and the islands of the Pacific. We care for each other, we help each other, we share each others' triumphs and disappointments. That, in my opinion, is what makes our society great.

But a caution is appropriate. As our society continues to grow it will become increasingly difficult to maintain a family atmosphere. Therefore I ask each of you to strive to maintain our friendships and family relationships with each other. Conscientiously work toward this worthy goal. Otherwise we will gradually become large, impersonal, and uncaring, as some of our large scientific societies have become.

I wish you well and hope to see all of you next year in New Brunswick. I think it will be a great meeting.

S. William Pelletier

SWP: sdj
Aug. 28, 2001

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 2001-2002**

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 Govend J. Kapadia (year 1 of 3)
 Denise Manker (year 2 of 3)

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 William Gerwick (at large)
 Charles D. Hufford (at large)
 S. William Pelletier (at large)
 Otto Sticher (at large)
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 Giovanni Appendino
 Gordon Cragg
 Gregg Dietzman
 James McAlpine
 Thomas McCloud
 Nicholas Oberlies
 Michael Tempesta

The Association extends a warm welcome to the following new Active and Associate members.

New Full Members

Maria Isabel Aguila
National University of
Mexico

John J. Beck
Sweet Briar College, VA

Jimmy Chen
Shanghai, China

Edward M. Croom, Jr.
Indena USA East, Inc.
Parsippany, NJ

David A. Danehower
North Carolina State
University

Michael T. Davies-Coleman
Rhodes University, South
Africa

Rohan A. Davis
University of Utah

Erbo Dong
University of Illinois at
Chicago

Dennis Drehmel
Duke University

Jamie Frenz
Wellington, FL

Dean Gray
Herb Pharm
Williams, OR

Libby Harvey
Alpha Laboratories
Petaluma, CA

Leticia A. Hauad M
Universidad Autónoma de
Nuevo León

Sukhjeet Singh Hira
Chandigarh, India

Sam Ibrahim
Nutrition Plus Pharmacy
Edmonton, AB, Canada

Amir Reza Jassbi
Hokkaido, Japan

Jorge J. Jimenez
Agraquest, Inc,
Davis, CA

Alisala Kashinatham
University of California at
San Diego

Harpreet Kaur
Chandigarh, India

Michael Kernan
Gilead Sciences, Inc.
Foster City, CA

Amanda Koch
University of Illinois at
Chicago

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Duke University

Ernest Lacey
Microbial Screening
Technologies
Kemps Creek, NSW,
Australia

Raymond Lau
Richmond, VA

Stephen T. Lee
USDA
Logan, UT

Niels Lindquist
Institute of Marine
Sciences
University of North
Carolina at Chapel Hill

Argelia Lorence
CEIB-UAEM
Cuernavaca, Mexico

Gopi R. Menon
Nutrilite
Lakeview, CA

Susan L. Mooberry
Southwest Foundation for
Biomedical Research
San Antonio, TX

Thangaraju Murugesan
Virginia Polytechnic
Institute and State
University

Emi Okuyama
Chiba University
Japan

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Sequoia Sciences, Inc.
San Diego, CA

So-Young Park
University of Illinois at
Chicago

Ira S. Pastor
Dayton, NJ

Gopal Krishna Paul
Harbor Branch
Oceanographic Inc.

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Island

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Michigan State University

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Mountain View, CA

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College
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David C. Story
Cincinnati, OH

Satoshi Tahara
Hokkaido University,
Japan

Mona El Tantawy
Cairo, Egypt

Nishani Tomson
Farmington Hills, MI

Giovanni Tristano
Palermo, Italy

Hong Wang
Amphastar
Pharmaceuticals
Walnut, CA

Wendell D. Winters
University of Texas

David R. Worthen
Bluegrass Pharmaceuticals
Lexington, KY

Lin Hong Xiang
Tianjin, China

Yanjun Zhang
Michigan State University

Weimin Zhao
Shanghai Institute
China

New Associate Members

Mina Azmoon
Jamaica, NY

Karl L. Bailey
Davis, CA

Isabelle Carletti
University of Illinois at
Urbana

Kelly E. Heim
Glenmoore, PA

Dongho Lee
University of Illinois at
Chicago

Kyung-Hee Lee
University of Illinois at
Chicago

Tatiana Lobo-Echeverri
University of Illinois at
Chicago

Kathryn Marshall
University of Utah

Kurt Reynertson
City University of New
York – Lehman College

Gian Franco Sferrazza
Boca Raton, FL

Jeremy Stewart
University of Mississippi

Ryan Wells
Idaho State University

Varro E. Tyler, continued from page 1

medicine, an endeavor he was actively engaged in at the time of his death. In philately, he was the world authority on Japanese stamp forgeries, and his signature of authentication is recognized worldwide as without equal.

Concerning the American Society of Pharmacognosy, we owe Tip a tremendous debt. He served as its first president, guiding the organization through the critical first two years (1959-1961) of its existence. He was the principal force in the negotiations to obtain *Lloydia (Journal of Natural Products)* as the official publication of the Society. In addition, he played a major role in forging the friendly ties our Society has with the Gesellschaft für Arzneipflanzenforschung (Society for Medical Plant Research) which has resulted in our joint international meetings every five years starting with Vienna in 1970. Tip was so highly regarded by the Gesellschaft that they elected him to their Board of Directors and to honorary membership.

Tip thoroughly enjoyed sharing his knowledge, and he was a master at communication in both the written and spoken word. After he retired as executive vice president at Purdue in 1991, he devoted his efforts to the area of herbal medicine. He wrote four well-received books on the subject as well as numerous articles in the scientific and lay press, including a regular column in *Prevention* magazine. It became clear that he was a voice of reason in an area fraught with misinformation and hyperbole. As a consequence, he was in great demand as a speaker at conferences and continuing education programs. He appeared on national radio and television programs. As his fame grew, he became inundated with requests for information from the news media and from interested individuals. Although he had an extremely busy schedule and was dealing with personal health problems, he was always generous with his time and answered each query with his usual detailed kindly manner; something a less patient man would have refused to do.

In recognition of his accomplishments, Tip received many honors and accolades; however, he stated more than once that even though these meant a lot to him, what he cherished most was the many friendships he established during his life's work. At this time of our grief on behalf of Tip's friends, many of whom have already gone on to their final reward,

I would like to think that somewhere there is a dorm room on a college campus where a group of pharmacognosists are gathered. It is an evening too hot to sleep because there is no air conditioning, and it's the middle of July, the usual time of an ASP meeting. The smoke from Marsh Wheeling cigars hangs heavy in the room, but through the haze you can see the flash of silver hair. Then you hear a deep, melodious, reassuring voice, and you know that it's Tip holding court with his friends. Early in the evening the discussion topic is about science or Society politics, but as the evening wears on and the bottle of Old Bushmills approaches empty, the talk becomes more raucous. There is the occasional ribald joke along with many stories of the escapades of some of our more colorful colleagues – our Society seems to have had more than its share. Tip, being the master storyteller that he was, would be an active participant in the discussion and thoroughly enjoying every minute of it. The group gathered around the room would hang on his every word, and they would have feelings of happiness and contentment knowing everything was right with the world and wishing the evening could go on forever – may it ever be so.

James E. Robbers

Heber W. Youngken, Jr., continued from page 1

After his retirement in 1981, he continued to be active on and off campus, and served in various capacities. The entire University community honored him for his contributions just a week before his sudden death. We have lost another monumental person.

He is survived by his wife, Daphne, and two sons, John and Richard.

Yuzuru Shimizu

IN MEMORIAM

Dr. K.M. Parikh, Zandu Pharmaceutical Works Ltd, Bombay, India.

Dr. Jan St. Pyrek, Salvisa, KY

James W. Wheeler, Silver Spring, MD

LETTER TO THE EDITOR:

WHERE, OH WHERE, IS THE BOTANY IN THE BOTANICAL INDUSTRY?

No matter what discipline you are passionately dedicated to, the best place to start a research project is the beginning. If you are a chemist running HPLC/MS, TLC, PCR, a biologist performing biological assays, or a botanist or ethnobotanist in the field working on discovery or research, verification of the raw materials is your first step.

In the natural products industry the first step would be validation of the plant materials by obtaining a botanical voucher specimen. A voucher is a pressed plant, hopefully fertile, flowering. A botanical voucher specimen is useful in 2 ways. It is the accepted international botanical method to identify a plant therefore it is a tool and at the same time it is a test to verify the plant materials you are using.

It can be used as a reference or if the reference has been verified, then as a specimen that accompanies the bulk materials under investigation. Not only is it required for the primary research, but it is also important for the manufacturer as it can be a legal document in adverse reaction liability cases.

Too often we rely on the distributors, suppliers or whomever for identification of the plant materials used in our research. These may be good business people, but be assured they are mostly likely not botanists. Therefore, the identification is rarely accurately determined even though it is listed on the certificate of analysis. The certificate of analysis, if keeping to GMPs and SOPs, would have the voucher number as a tracking tool and validation next to the plant name just as other AOAC methods are listed.

If we look at a limited survey of all natural products databases, only 12-18% of 100,000 peer reviewed, published in reputable journals papers usually have a verified identification, hopefully confirmed by a botanist. That means 85% are not verified and may be the wrong plant. Often the plant you are using is not the one you think it is. So why spend your doctorate or professional years researching the wrong plant or making a product that may be harmful? It is an easy process, you can order a voucher specimen with bulk materials accompanying it. Then use it as your reference materials whether it is for incoming materials or academic work and list it accurately in the certificate of analysis.

How often do you need a botanical voucher? Every time you collect a plant a voucher would be the scientifically optimal way to proceed. If there has been a

baseline developed then it can be more casual after a trusting relationship has been established with a supplier. As for an academic investigation then every time a plant is collected is the procedure without exception.

Another question that has arisen frequently is why not do PCR? It is a more accurate method than the standard accepted botanical approach. This is the wrong answer. PCR is 5 years away, and we need a system in place now. PCR needs a reference, too. PCR can be misleading as it shows origins of materials and this can confuse or combine species unless the entire genome is mapped, a long, expensive process.

At the recent ASP/CRN Interim meeting, the majority of attendees were bringing this issue back into the spotlight by discussing the quality issue and determining what the basic requirements for natural product research are in conjunction with product development. I think this discussion is years overdue, but because the natural products industry has been growing by leaps and bounds it is time to refocus. It is time to create systems that secure the scientific approach to research that allows for new, safe and effective products to be available from the scientific community in collaboration with the industry. And as it bounds and leaps we have seen chemistry leaping over botany and biology with great advances in methodology. HPLC-MS, TLC etc. are tightening up the quality in the industry, but we need to have the right plants and the active compounds in focus as well. So chemistry answers are just part of the answer we need to build a great industry. The other parts are the botany and biology that we still need to integrate. So let's put the Botany back into the natural products industry and have sound research guide product development. Start in the beginning; buy a voucher specimen today.

Thanks to Laurel Donahue, Kelly Kindscher, Mary Lou Quinn-Beattie, John Beutler, Jim Miller and others who have all had many discussions on this issue with me.

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MEETINGS

Future ASP Meetings

July 27-31, 2002 - New Brunswick, NJ, Annual ASP Meeting, joint with Monroe Wall Symposium

2003 - Research Triangle Park, NC

2004 - Arizona, joint meeting with European societies

2005 - Corvallis, OR

AACP Meetings - 2002

March 1-4, - Houston, Texas, AACP Interim Meeting

July 12-17, - Kansas City, Missouri, AACP Annual Meeting and Seminars, PTEC Annual Meeting,

AAPS Meeting - 2002

November 10-14, - Toronto, Ontario (Canada), AAPS Annual Meeting and Exposition, Metro Toronto Convention Centre,

Other Meetings of Interest—2002

March 6-8, - Bamako, Mali. **Chemistry and Pharmacology of Plants used in African Traditional Medicine and workshop on the Quality Control of Raw Plant Material and Phytopharmaceuticals and the Formulation of Improved Traditional Medicines.** Contact information: Prof. Kurt Hostettmann, Institut de Pharmacognosie et Phytochimie, Université de Lausanne, B.E.P., CH-1015 Lausanne, Switzerland. Phone (++4121) 692'45'61, Fax (++4121) 692'45'65, Email: <Kurt.Hostettmann@ipp.unil.ch> OR Dr. Drissa Dialio, Département Médecine Traditionnelle, INRSP. B.P. 1746, Bamako, Mali, Phone (++223) 22 46 20, Fax (++223) 21 43 20, Email: <INRSP@le-mali.com>.

April 7-11, - Wageningen, The Netherlands. **First International Congress on Plant Metabolomics.** Organizing Committee and Meeting information on website at <<http://www.metabolomics.nl>>

April 20-24, - New Orleans, LA, **Experimental Biology 2002. Minisymposium, Herbal Dietary Supplements: Health Effects and Mechanisms of Action.** Meeting information can be found on the EB 2002 website: <<http://www.faseb.org/meetings/eb2002>>.

June 2-6 - Arequipa, Peru. **First International Congress of Pharmaceutical Sciences and Biotechnology.** Contact information: Dr. Christine Swanson, Office of Dietary Supplements, NIH, Tel: (301) 435-2920 or Paul J. Pasquerella, Assistant to the Vice President for Administration, Massachusetts College of Pharmacy and Health Sciences, 179 Longwood Avenue, Boston, MA 02115. Tel: (617) 732-2206, Fax: (617) 732-2193.

September 8-12 - Barcelona, Spain. **Society for Medicinal Plant Research, 50th Annual Congress.** Contact information: Scientific items to Prof. Dr. Salvador Cañigueral, Unitat de Farmacologia i Farmacognòsia, Facultat de Farmàcia, Universitat de Barcelona, Avda. Diagonal, 643, E-08028 Barcelona (Spain). Phone +34 93.402.45.31, Fax +34 93.403.59.82, Email, <bcn50ga@farmacia.far.ub.es> Registration to Ultramar Express, Professional Congress Organizer, Diputació, 238-2nd, E-08007 Barcelona (Spain) Phone: +34 93.482.71.40, Fax: +34 93.482.71.58, E-mail: <scastres@uex.es> Web page: <<http://www.ope-uex.com/50congressmedicinalplantresearch>>.

FOUNDATION NEWS

Norman Farnsworth named recipient of first Pharmanex Prize

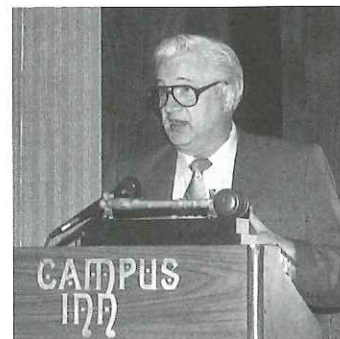
Dr. Norm Farnsworth, Director of the Program for Collaborative Research in the Department of Pharmaceutical Sciences at the University of Illinois at Chicago was awarded the first Pharmanex Prize.

The Pharmanex Prize represents the first industry underwritten major prize for the Society. Pharmanex donated the funds to the Foundation for support of the Prize.

The Foundation Executive Board met at the Asilomar interim meeting and discussed several items. These included a review of our investments and future investment strategy, the upcoming annual campaign, several new awards that will be linked to "best papers" published in the *Journal* and increased the value of the Lifetime Research Achievement Award to an annual \$5000.00.

The Foundation also awarded two Lynn Brady Student Travel Awards this past summer at the Oaxaca meeting. The recipients were Joanna Zgoda and Jeremy Stewart. They were incorrectly combined with the other student travel awards in the summer newsletter.

The Foundation would also like to take the opportunity to thank all of last year's annual fund donors for their generous support and encourages all our Society's members to support it during this year's campaign.



Norman R. Farnsworth

Robert J. Krueger



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



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: \$74 (Print edition), \$50 (Web edition), \$124 (Both Print and Web); All other countries: \$112 (Print edition), \$50 (Web edition), \$162 (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: \$56 (Print edition), \$50 (Web edition), \$106 (Both Print and Web); All other countries: \$94 (Print edition), \$50 (Web edition), \$144 (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 Institute of Health, MD
- 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. Richard E. Schultes, Harvard Botanical Museum
- Dr. E. John Staba, University of Minnesota
- Dr. Hildebert Wagner, University of Munich
- Dr. Monroe E. Wall, Research Triangle Institute, NC

*Additional information about memberships may be obtained by writing to the Treasurer of the Society:
David J. Slatkin, Ph.D., Treasurer, The American Society of Pharmacognosy,
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