



Varro E. Tyler Honored

by Prof. Dr. D. Gröger

A symposium "Biosynthesis and Accumulation of Secondary Products" was held last September in Halle (Saale), Germany. During this meeting the Faculty of Pharmacy of the Martin-Luther-University Halle-Wittenberg conferred upon Professor Varro E. Tyler of the School of Pharmacy and Pharmacal Sciences and Distinguished Professor Emeritus of Pharmacognosy, Purdue University, a Doctor Honoris Causa (Dr. rer. nat. h. c.) in recognition of his outstanding contributions to research in pharmacognosy and his longstanding relationship with the University.

The academic celebration took place in the assembly hall of the Leucorea-Foundation, a historical place in Lutherstadt-Wittenberg on September 26, 2000. The presentation of the diploma was performed by Professor Dr. Birgitt Dräger, Dean of the Faculty of Pharmacy. A laudatio was delivered by Professor Heinz G. Floss (Seattle).

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Society Awards given at the Intel International Science and Engineering Fair

Intel ISEF 2000, the International Science and Engineering Fair held its 52nd fair last year in the city of Detroit in May. Every state in the Union as well as 35 countries sent their top high school science and engineering students. These students represented the 'best of the best' having won local, regional and/or state competitions to qualify. Over 1200 contestants competed in 14 major categories (such as Biochemistry, Botany, Chemistry, Engineering, Gerontology, Medicine and Health, etc). Team projects totaled 165 and were defined as having 2 or more students as co-researchers. The contestants' projects represented a year or longer work either at their home, high school or even at a university or government laboratory. All worked under the mentorship of a teacher, scientist, or engineer.

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**Where will you
be spending
July 14 - 18, 2001?
Exploring Natural Products
from Latin American
Biodiversity in Oxaca,
Mexico?? Naturally!!
See pages 2 and 3
for details.**

The 42nd Annual Meeting of the American Society of Pharmacognosy ACTIVITIES AND REGISTRATION

We have engaged the travel agency "Turismo El Convento de Oaxaca" to coordinate optional activities and tours during the meeting period as well as pre- or post-convention excursions to Huatulco. These are apart from the group tour to the archeological site of Monte Alban on Monday 16 and the evening event at Santo Domingo Convent on Tuesday 17. The optional activities offered daily are a tour of the outstanding sites of the City of Oaxaca and a separate tour to the archeological site of Mitla.

City Tour. This excursion is offered from 10:00 to 1:30 and again from 4:00 to 7:30. The sites included are: Santo Domingo Church and Convent, completed in 1608. This is one of the most important examples of Mexican Baroque architecture and includes one of the New World's outstanding altars, finely carved and cover with gold. "Andador turistico" the green-tiled pedestrian walk along which are found various colonial buildings now housing museums, galleries, restaurants and stores displaying local folk art. The XVI century Cathedral, dedicated to the Ascension of the Virgin Mary, has an impressive baroque façade of finely carved green stone. The "Benito Juarez" Central Market entices the travelers with its mixture of local fragrances and colors as well as beautiful hand-wrought objects.

Archeological site of "Mitla". This is a half day excursion offered from 10:00 to 2:00 or from 3:00 to

7:00. The Mixtecan Indian name of "Mitla" means Place of the Dead. It is the most important Post-Classical Zone, 750 AD to 1521 AD, in the State of Oaxaca. This outing also includes the gigantic and famous tree of "Santa Maria el Tule", 40 meters high and approximately 2 000 years old.

Ethnobotanical Garden at Santo Domingo Convent - The Director has generously offered free group tours at various hours daily. This garden displays Mexico's most important indigenous medicinal plants. You have to sign up at the convention registration desk for one of the two daily tours. It is customary to make a small personal donation to the cost of the upkeep of the garden. Transportation will probably be provided by shared taxis or minibuses from the hotel and the cost divided among the occupants.

If you are interested in a pre- or postconvention trip to the extraordinarily beautiful Pacific Ocean resort of Huatulco, arrangements for hotel reservations and plane transportation from Oaxaca to Huatulco can be made directly with Turismo El Convento de Oaxaca, Attn: Mr. Apolo Bonilla. Phone: 52-951-65-791; FAX: 52-951-403-72; email:convento@prodigy.net.mx. Prices for accommodation for a double room range from \$80.00 to \$120.00 US including taxes.

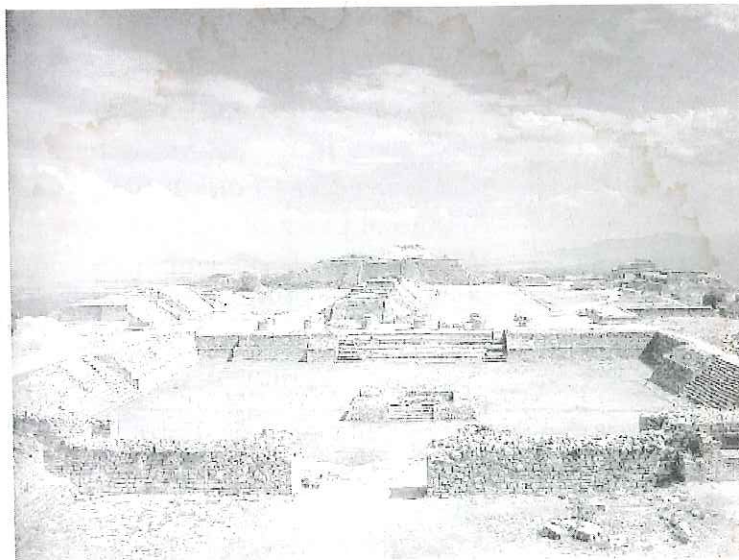
HOW TO REGISTER

Registration fees can be paid by credit card or check (Payable to The American Society of Pharmacognosy).

Go to:

<www.phcog.org/annualmtg/reg_forms.html>
Download the registration form (you will need Acrobat Reader), print it, fill it out, and fax or mail to:

ASP-2001 Registration c/o David Slatkin
Midwestern University-Glendale
19555 N 59th Avenue Glendale, AZ 85308 USA
FAX: 623 572 3510 (Credit card payments only)
Phone: 623 572 3500
Email: <dslatk@arizona.midwestern.edu>



MONTE ALBAN

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

Exploring Natural Products from Latin American Biodiversity

The 42nd Annual Meeting of the American Society of Pharmacognosy
Misión de Los Angeles Hotel, Oaxaca City, Oaxaca, México

July 14-18, 2001

Opening Lecture

Dr. Pedro Joseph-Nathan (Mexico): Total synthesis of indole alkaloids of the physostigmine type.

Chemistry of Latin American Biodiversity

Dr. Gerado Burton (Argentina): Chemistry and biotransformations of whitanolides from South American Solanaceae

Dr. William Reynolds (Canada): Contributing to natural products research in Mexico and the Caribbean

Dr. Helen Jacobs (Jamaica): Novel natural products from the Antillean flora

Dr. Miguel Alonso-Amelot (Venezuela): Factor possibly affecting high gastric cancer rates in Western Venezuela. Are plant allelochemicals involved?

Dr. Rachel Mata (Mexico): Exploring Mexican biodiversity as a source of new active principles

Marine Chemistry

Dr. Richard Moore (USA): Biosynthesis in cryptophycin-producing cyanobacteria

Dr. Roberto Berlinck (Brazil): Assessing the poriferan and ascidian chemical and biological diversity of the São Paulo State (Brazil) toward the search of new bioactive natural products

Dr. William Fenical (USA): Antitumor-antibiotics from diverse marine microorganisms

Dr. Abimael Rodriguez (Puerto Rico): Rearranged diterpenes possessing intricate carbocyclic skeletons isolated from Latin American gorgonian species

Ethnobotany and Ecology

Dr. Gloria Montenegro (Chile): Sustainable wild-harvesting and cultivation of medicinal plants from Central Chile

Dr. Robert Bye (Mexico): Natural products exploration and conservation in Northwestern Mexico: Historical development and urgent challenges

Dr. Brent Berlin (USA): Bioprospecting or biopiracy? The realities of research on natural products in Latin America in the 21st century

Dr. Thor Arnason (Canada): Bitter principles from tropical forests as antimalarials and insecticides

Natural Products Research in Iberoamerica: Experience of CYTED

Dr. Mahabir Gupta (Panama): CYTED. A unique collaborative program of exploring Iberoamerican biodiversity for novel natural compounds with emphasis on Panamanian Flora

Dr. Alberto Giménez (Bolivia): Search, evaluation and obtention of new antiparasitic agents in Iberoamerica

Dr. Armando Cáceres (Guatemala): Upgrading the phytopharmaceutical products in Iberoamerica

Dr. Arturo San Feliciano (Spain): Natural cardiotonics as models for new drug design and synthesis

Research Achievement Address

Dr. Tom Mabry (USA): Betalains to flavonoids to neurotoxins

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 ASP Awards and Funds Committee will review the applications. 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 April 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 April 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 vita.
- 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 April 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 page) synopsis of the work to be presented, a curriculum vita 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 April 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 vita of the investigator must be included with the proposal and budget.

The deadline for submission of application for these grants is April 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 page) synopsis of the work to be presented, a curriculum vita 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 April 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.

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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) The nominee's CV, an abstract of the presentation proposed by the nominee, and relevant reprints, must accompany a nomination. 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.

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

Dr. William Gerwick
College of Pharmacy
Oregon State University
Corvallis OR 97331-6900
Phone: 541-737-5801
FAX: 541-737-3999
e-mail: <Bill.Gerwick@orst.edu>

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The ASP provided two awards of \$500 each to the projects which were judged to be the highest quality involving pharmacognosy. The winning projects were by Ahmed Mousa (West, Grove, PA) and a team project by Alejandra Fernandez-Sanchez, Maria Jesus Solis-Duran, and Graciela Oguilve-Villalobos (Montes de Oca, Costa Rica).

The fair is a wonderful example of the vitality, creativity, and intelligence of young high school scientists. Next

year's Intel ISEF is to be held May 6 to 12, 2001 in San Jose, CA. If you are in the area stop in, admission is free. If you have the time, volunteer to help at the fair or help mentor a young man or woman who wishes to compete. These are the professionals of the future who will seek answers and shed light on the questions we have now concerning natural products and nutraceuticals. From my observations as a special awards lead judge for the American Society of Pharmacognosy, the future

looks bright indeed! Other judges for the ASP included Dr. Robin Kinnel, Ph.D., Hamilton College NY; Dr. Muralee Nair, Ph.D., Michigan State University in East Lansing; Dr. Subhash Gupta, M.D., Ph.D. also from MSU; and Dr. Fred Valeriote, Ph.D. from the Josephine Ford Cancer Center in Detroit. Dr. Roy Okuda an ASP member, also assisted and chairs the Judge's Committee for ISEF 2001 (www.intelisef2001.org). See photo on page 7

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

Nominations for the 2001 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 vita of the candidate, and letters from three individuals who are familiar with the 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:

John M. Pezzuto, Ph.D.
 Professor and Associate Dean for Research
 and Graduate Education
 College of Pharmacy (m/c 781)
 University of Illinois at Chicago
 833 South Wood Street
 Chicago, Illinois 60612

Telephone: (312)996-5967
 Fax: (312)996-2815
 e-mail: <jpezzuto@uic.edu>



Awards of \$500 for projects involving the study of natural products in any relevant category area were awarded to two projects: 1) Production of a Shampoo Base on Extracts From *Gliricidia sepium* (Alejandra Fernandez-Sanchez, 18, Maria Jesus Solis-Duran, 17, and Graciela Oguilve-Villalobos, 17, Costarican all from the Scientist High School, Montes de Oca, Costa Rica 2) Discovery of Angiogenesis Inhibition by Garlic by Ahmed S. Mousa, 16, Avon Grove High School, West Grove, Pennsylvania. The students are pictured with Roy Okuda (left) of San José State University.

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Dr. Floss emphasized in his speech, "In Varro Tyler the Martin-Luther-University is honouring a man of many talents and accomplishments. A true renaissance man. Tyler has in one lifetime had several overlapping careers; each one of these alone would have been sufficient to earn him a place in the history books."



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

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Hans E. Westenburg
University of Illinois at Chicago

MEETINGS

Future ASP Meetings

- July 14-18, 2001 - Oaxaca, Mexico
2001 - early November, Interim ASP meeting on
botanicals, Asilomar, CA
July 27-31, 2002 - New Brunswick, NJ, Annual
ASP Meeting, joint with Monroe Wall
Symposium
2003 - To be announced
2004 - Arizona, joint meeting with European
societies
2005 - Corvallis, OR

Future AAPS Meetings - 2001

Annual Meeting:
Pharmaceutical Sciences: Climbing New
Heights
October 21-25
Colorado Convention Center
Denver, CO
Headquarters Hotel - Adams Mark

For Details Contact:

American Association of Pharmaceutical Scientists
2107 Wilson Blvd, Suite 700, Arlington, VA 22201
Main Telephone: 703 243 2800
Main Fax: 703 243 9650
Email: <aaps@aaps.org>

Future AACP Meetings - 2001

Annual Meeting:
July 8-11
Westin Harbour Castle
Toronto, Canada

American Association of Colleges of Pharmacy
1426 Prince Street, Alexandria, VA 22314
E-mail: <pthompson@aacp.org>

Other Meetings of Interest—2001

June 24-29, Okinawa, Japan, 10th International Symposium on Marine Natural Products.

Contact: Prof. Tatsuo Higa, Chair, College of Science, University of the Ryukyus, Nishihara, Okinawa, Japan 903-0213, Phone: 81-98-895-8558, Fax 81-98-895-8538, E-mail: <thiga@sci.uryukyu.ac.jp>

July 1 - 6, Canberra, Australia, IVth International Legume Conference. Co-sponsored by The Australian National University and the Royal Botanic Gardens. For details contact: James Grimes, Senior Botanist, Royal Botanic Gardens, Melbourne, email: <Jim.Grimes@rbg.vic.gov.au>

September 12-14, Lausanne, Switzerland, Lead Compounds from Higher Plants. For information contact: Prof. K. Hostettmann, Institut de Pharmacognosie et Phytochimie, Université de Lausanne, CH-1015 Lausanne, Switzerland. Tel: ++41 21 692 45 61. Fax: ++41 21 692 45 65. E-mail: <Kurt.Hostettmann@ipp.unil.ch> Website: <www.unil.ch/ipp/pse2001>

November 3-8: Antalya, Turkey. The Third IUPAC International Conference on Biodiversity. Additional information may be obtained by contacting Professor B. Sener, Conference Secretariat ICOB-3, P. O. Box 143 06572, Maltepe, Ankara, Turkey, Tel: +90-312-212 22 67, Fax: +90-312-213 39 21, e-mail: <blgsener@tr-net.net.tr>

November 4 - 10: Mexico City. National Autonomus University of Mexico. XXIV International Symposium on Natural Products, "Current Trends in Natural Products" Website: <http://www.iquimica.unam.mx/eventos.html> Any questions or comments please contact: <spn2001@iqunam.iquimica.unam.mx>

2000 Years of Natural Products Research – Past, Present and Future. Congress Proceedings. Teus J. C. Luijendijk, editor.

In July 1999, the congress "2000 Years of Natural Products Research – Past, Present and Future" was held in Amsterdam, The Netherlands. In this fifth joint meeting of international societies of pharmacognosy and phytochemistry (American Society of Pharmacognosy, ASP, Association Française pour l'Enseignement et la Recherche en Pharmacognosie, AFERP, Gesellschaft für Arzneipflanzenforschung, GA & Phytochemical Society of Europe, PSE), a large number of participants from all over the world discussed the latest achievements in the field of natural products research.

Lectures held by the invited speakers have now been published in a separate publication.

The articles deal with the state of the art in natural products research, a reflection upon what has been achieved thus far and an outlook into the future. A wide variety of the aspects involved in natural products research is treated, e.g., traditional medicine, biodiversity, chemotaxonomy, industrial applications, biosynthetic pathways, analytical and separation techniques, high-throughput screening, the biological function and use by man of secondary metabolites, etc., etc. For an overview, see the table below.

Total of 256 pages, hard cover. The price is NLG 130.- (approx. U\$ 55), including packing & postage.

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