

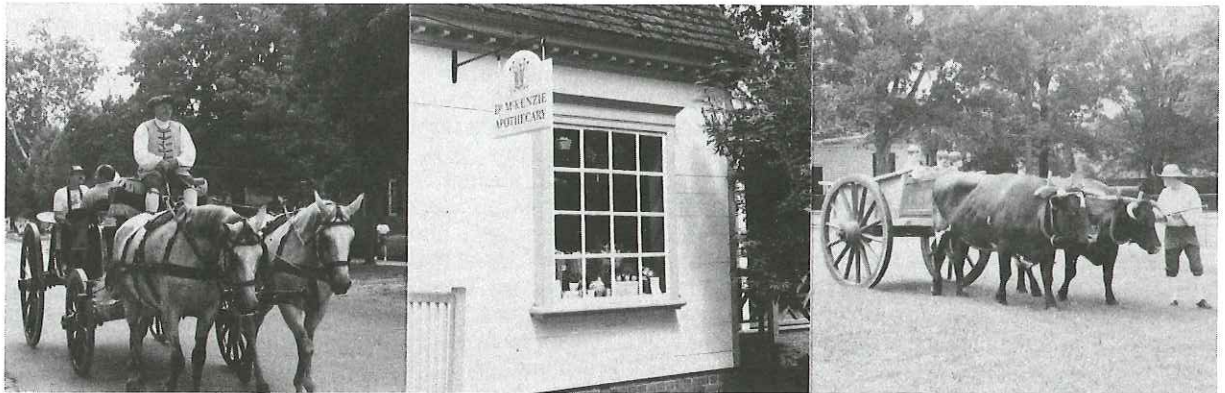


ASP NEWSLETTER

Volume 28, Number 1

Spring, 1992

The American Society of Pharmacognosy



Scenes from Williamsburg

LET'S GO TO WILLIAMSBURG!

Organizers of the 33rd Annual ASP meeting invite you to Williamsburg, Virginia to step back into the colonial times of America while looking forward to the future of natural products chemistry. We are pleased to announce that the meeting will feature three symposia. One symposium deals with the many aspects of drugs of abuse and another involves applications of biotechnology. A third symposium featuring "Young Natural Products Chemists" has been established to showcase presentations by several outstanding young investigators who are five or fewer years beyond post-doctoral studies. Attendance and participation are open to all interested individuals.

Further details about the meeting can be found on pages two and three.

JOURNAL INSTITUTES CHANGES

In order to improve service in the *Journal of Natural Products*, beginning with the January, 1992 issue (volume 55), the *Journal* began publishing monthly. In addition, the editors instituted a new publication format, entitled the Rapid Communication, which is intended for the publication of exceptionally significant findings including unusual structures, bioactivities, and advances in separation technology. The goal is to have the Rapid Communication to print three months from the date of receipt by the editor. Authors should provide a justification statement with manuscripts they wish to have considered for rapid communication. Such manuscripts should be no longer than six pages, double spaced, with emphasis on the results and with brief introduction and experimental sections. Full experimental details should be reserved for a subsequent full paper to be submitted to the *Journal*. The editors will decide whether or not the work merits rapid publication.

LOCAL INFORMATION FOR WILLIAMSBURG

The local organizing committee is pleased to have the opportunity to introduce you to Williamsburg and to some of the many and varied attractions which are available.

The hotel and conference center chosen for the 33rd Annual Meeting of the American Society of Pharmacognosy, the Fort Magruder Inn, is located just a few minutes by car or about 10-15 minutes by foot from Colonial Williamsburg. The conference center is extremely comfortable and well maintained and is fully air conditioned. The rooms are large with plenty of closet space and rates are guaranteed on a per room basis so there is no extra charge for kids. Likewise up to four students may share a room at the fixed price. The rates are \$78.00 per night and this reduced rate is also available for the weekend preceding the meeting and the weekend after.

There are many attractions in the Williamsburg area for the whole family. The most famous is Colonial Williamsburg which is a faithful restoration of the period of the 1700's, and is complete with the typical craftsmen, shops, inns, taverns, and costumes of the period, as well as the Governor's Palace and the Capitol building. This is a truly fascinating place. A great evening experience is to dine in one of the colonial taverns but reservations are essential, so make them as soon as you arrive in town. Also not far away are several famous historical plantations on the James River, including Carter's Grove, the Berkeley Plantation, The Edgewood Plantation, and the Shirley Plantation. These

are quite impressive and are all very much worth seeing. Other historic sites in the area include Historic Jamestown 1607, the Jamestown Festival Park, the Yorktown Battlefield, and the Yorktown Victory Center (special tours for holders of British passports). For family entertainment there are several theme parks including Busch Gardens -- the Old Country, and Water Country USA. There is great shopping at the factory outlet malls and the Williamsburg Pottery Factory which advertises "over 130 acres of bargains". You can save enough on the shopping bargains to pay for your trip!

Williamsburg is about an hour by car from Norfolk, which is a major naval base, and a bit further south is Virginia Beach, a major seaside resort with all the associated attractions. A bit west of Norfolk is the Great Dismal Swamp, which is a fascinating place for exploration, but is full of mosquitoes in Summer. Heading north from Williamsburg, it is only a three-hour drive to Washington, D.C., where there are numerous attractions of all types. If you have not been to Washington it is a "must see".

The weather in mid-Summer is very hot and rather humid, so lightweight clothes and casual dress are recommended. The Conference Center and most shops are air-conditioned.

The Southern hospitality you will experience will be a pleasant memory. We are sure that this will be a meeting all of you will remember fondly.

FUND RAISER TO BE HELD FOR FOUNDATION

The Local Committee for the 1992 Annual Meeting to be held in Williamsburg, Virginia will sponsor a fund raiser for the A.S.P. Foundation. This will be either a raffle or an auction depending on the number and value of items contributed. The committee is requesting donations of items of special interest to members such as either very recent or very old books related to natural products research, memorabilia related to pharmacognosy, etc. All contributions to the A.S.P. Foundation are fully tax deductible and donors will receive receipts for those contributions which can be readily valued.

All donated items should be sent to the Local Committee well in advance of the meeting so that they can be appropriately displayed at check-in and so that adequate plans can be made for the benefit. Donations will be accepted starting immediately and can be sent to:

Mrs. Sue Tafur
Philip Morris Research
P.O. Box 26603
Richmond, VA 23261

Please send all items well wrapped and prepaid. The Williamsburg Local Committee cannot accept postpaid deliveries or responsibility for fragile items. If you have any question as to the appropriateness of a possible donation, or if you have items that are particularly bulky or present special problems, please contact Matt Suffness at (301) 496-8783 or Sue Tafur at (804) 274-3984.

C.E. AVAILABLE FOR WILLIAMSBURG

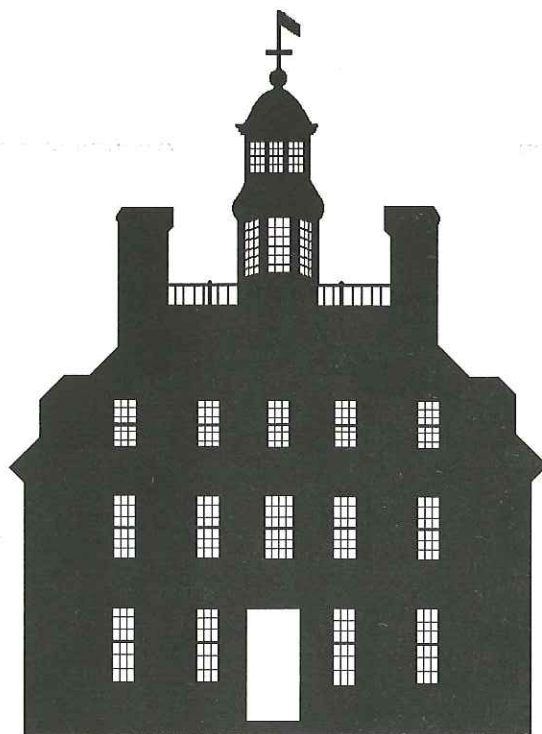
The ASP Ad Hoc CE Committee is currently developing a CE program to be offered in conjunction with this summer's meeting at Williamsburg. It is anticipated that 15 CEU's will be offered for participation in the Symposium lectures, the Young Investigator Symposium, the Research award lecture, and selected podium sessions. No credit may be obtained from the poster sessions.

The sponsoring institution will be the School of Pharmacy of the Medical College of South Carolina (Charleston). Its CE director is Dr. Ronald Nickel. A table will be set up in the general registration area for those interested, who are registered for the meeting. A nominal fee will be charged for CE participation.

Questions concerning the program can be sent to Robert Krueger, College of Pharmacy, Ferris State University, Big Rapids, MI 49307, or by phone (616)592-2236.

FROM THE EDITOR

I would like to express my thanks to those who have contributed to the ASP Newsletter. It is your contributions which make the Newsletter a success. I welcome any information which may be of interest to our members, including letters to the editor, publications of interest, grant information, position openings, promotions, meeting information, and so on. For inclusion in the Fall issue of the ASP Newsletter, please forward this information to me by September 1, 1992 at the following address: Joy B. Reighard, Ph.D., Editor, ASP Newsletter, Temple University School of Pharmacy, 3307 N. Broad St., Philadelphia, PA 19140, U.S.A. Phone (215) 221-4946. FAX: (215)221-3678.



WILLIAMSBURG SYMPOSIA

Drugs of Abuse Symposium

Monday, July 27 (8:45 a.m. - 12:30 p.m.)

Dr. Mary Jeanne Kreek

Rockefeller University

Dr. Mahmoud ElSohly

University of Mississippi

Dr. Moyhee Eldefrawi

University of Maryland

Dr. Kenner Rice

National Institutes of Health

"Opiates, Opioids and Addiction"

"Analytical Methods and Forensic Toxicology Issues Concerning Drugs of Abuse"

"Cocaine Receptors and Addiction"

"New Ligands for the Study of Structure and Function of Receptors for Drugs of Abuse in the Decade of the Brain and Beyond"

Young Investigator Symposium

Tuesday, July 28, 1992 (8:30 a.m. - 10:00 a.m.)

Dr. Brian deCosta

National Institutes of Health

Dr. Tadeusz Molinski

University of California, Davis

Dr. Kevin Reynolds

University of Maryland

"Studies of Receptors for Drugs of Abuse"

"Developments in Marine Natural Products: Receptor Specific Bioactive Compounds"

"Comparison of Two Enoyl-CoA Reductases in *Streptomyces collinus*"

ASP Research Achievement Award Lecture

Tuesday, July 28, 1992 (10:30 a.m. - 12:00 noon)

Dr. Henry Rapoport

Applications of Biotechnology Symposium

Session I - Wednesday, July 29, 1992 (8:30 a.m. - 10:10 a.m.)

Dr. Rob Verpoorte

Leiden

Dr. Samuel Page

Food and Drug Administration

"Biotechnology for the Production of Alkaloids: Current Status and Prospects"

"The L-Tryptophan Story"

Session II - Thursday, July 30, 1992 (8:30 a.m. - 10:10 a.m.)

Dr. Ronald Weiner

University of Maryland

Dr. Mamoru Tabata

Kyoto University

"Discovery and Implications of a Novel Marine Tyrosinase"

"Production of Pharmacologically Active Compounds by Plant Cell Culture"

Session III - Friday, July 31, 1992 (8:30 a.m. - 10:10 a.m.)

Dr. John Payne

USDA, Beltsville

Dr. Christopher Price

NOVA Pharmaceutical Corporation

"Applications of Biotechnology for Agriculture"

"Receptor Screening for Drug Discovery"

EMPLOYMENT SERVICE AVAILABLE

The American Society of Pharmacognosy is offering a placement service to aid our members find employment positions or prospective 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 also realize that the application will be submitted to the prospective employer **exactly as submitted**. (The submitted form will be xeroxed, then sent to the prospective employer.)

Further information can be obtained by contacting: Robert J. Krueger, Ph.D., College of Pharmacy, Ferris State University, 901 S. State St., Big Rapids, MI 49307 USA. Phone: (616)592-2236.

EMPLOYMENT AVAILABLE

Phyton Catalytic, Inc. is a dynamic, young and growing biotechnology company on the forefront of plant cell culture technology. Located in Ithaca, New York, Phyton Catalytic produces life-saving pharmaceuticals and other fine chemicals from cell culture to satisfy industries' growing needs for plant derived products. The company is currently recruiting Scientific Staff at all levels in the areas of Bioreactor Studies, Stability Studies, Product Enhancement and Stability, New Compound Discovery, and Validation Studies.

Successful candidates are expected to be self-starters, independent thinkers, not afraid of hard work, and able to work creatively on a "start-up" budget.

If you're eager to work in an exciting, fast-paced, and demanding environment, send your resume ASAP: Phyton Catalytic, Inc., 175 Langmuir Lab, 95 Brown Road, Ithaca, NY 14850, Attention Laurie Sedgwick.

Phyton Catalytic offers a competitive salary, benefits and unlimited opportunity for growth.

NOTES FROM CHICAGO - JULY, 1991

THE EARLY YEARS WITH ASP by Lynn R. Brady

The situation I find myself in this evening is a little like being arrested. One wonders how it came to pass that I am here. In analyzing a convoluted situation, it is best to start at the beginning.

During the hot summer of 1959, I attended a meeting and watermelon party in Chicago. Labor pains were in evidence throughout the meeting, and during the business session on the last day of the meeting the American Society of Pharmacognosy was born.

It was reported at the 1960 meeting in Boulder that there were 125 Charter members of the Society, 112 of them from the United States. It was a pre-jet set era, and the Society's dues were only \$5.00. On December 1, 1960, Treasurer Frank Crane, an early guru from Chicago, wrote the membership indicating approval of the proposed by-law change to add a subscription to Lloydia to the Society's dues; thus, dues for 1961 were inflated to \$8.00.

My first substantial service contribution to the Society occurred in 1961. I served as Scientific Program Coordinator for the Houston meeting. The 44 registrants declared the meeting a success, and well they should. The three day meeting featured six plenary or review presentations, 15 contributed research papers, a field trip, and a beach party in Galveston. One of the research papers was by two young members, the original "F" boys, Fong and Farnsworth. Their presentation was entitled "A Comparison of Total-Alkaloid Estimation Methods with Particular Reference to *Vinca major*." I must admit that I have never learned whether or not the winning method proved any more significant than the species. Other noteworthy research presentations included "Histological Studies of the Genus *Lavendula* Part IV" and "Histological Studies of the Genus *Lavendula* Part V." The parade of palisade ratios, stomatal indices, and vein-islet numbers was salubrious. The banquet in 1961 marked a first for the Society, the recognition of three Honorary Members, namely Earl B. Fischer who was inducted posthumously, John E. Seybert, and Heber W. Youngken, Sr.

Over the years I have served multiple terms on the Constitution and By-Law and the Nominating Committees. My inaugural service on the Nominating Committee occurred in 1962 when I was designated the Young Turk to prevent any injudicious thoughts by fellow committee members Noel Ferguson and George Hocking. It was a formidable assignment for a junior member, but in retrospect I was probably more successful than during my 1991 service on this Committee; I will defy anyone to keep Matt Suffness from having twinkly thoughts.

The Chapel Hill meeting in 1963 was the first time the Society spent money (\$410) to defray, in part, the travel expenses of invited symposium speakers. If this year's Organizing Committee Chairman Geoff Cordell permitted Scientific Program Chairman Doug Kinghorn to squander substantially more money for the 1991 meeting program, you could consider informing Finance Committee Chairman Norman Farnsworth that such excessive expenditures are inappropriate. On the other hand you might merely want to recognize that Chicago breeds peculiar operations and that the Society has not had such a structured overhead burden since the 1978 meeting in Stillwater.

REMARKS IN CHICAGO by David P. Carew

Thank you for the opportunity to make some remarks. First of all I want to express my gratitude to the members of the Honorary Membership Committee and the Executive Committee for this honor. When Doug Kinghorn telephoned to inform me of my selection a few months ago, I was completely surprised but very, very pleased.

My first association with pharmacognosy was as an undergraduate student when we were required to take two full years of the subject. Fortunately the content of pharmacognosy courses I had as an undergraduate has drastically changed. I was in the last undergraduate course taught by Heber W. Youngken, Sr. I later had graduate courses with Dr. Youngken. In fact I well recall a young man named Norman Farnsworth who also was a graduate student in Boston at that time.

From Boston I moved to the University of Connecticut where Arthur Schwarting was my major professor. While at U Conn. I often heard Art Schwarting comment on his interest in seeing the formation of a national organization in pharmacognosy. He felt that such an organization could bring together not just the traditional pharmacognosists but all those individuals who had a common interest in research and investigation in the natural products area.

This was in the mid to late 1950's and the only organization in pharmacognosy was called the Plant Science Seminar which met annually in different places around the country. Unfortunately, this was too commonly referred to with reference to Watermelon because one of the activities at most annual meetings was a watermelon party. At the time the ASP was formed many members were very concerned that it might be nicknamed the "Watermelon Society."

At the Plant Science Seminar in 1958, held at Ferris State University, then called Ferris Institute, Art Schwarting first proposed the formation of what was to be later called the American Society of Pharmacognosy. The ASP was first organized right here in Chicago at the University of Illinois in 1959. For those in the audience who attended that 1959 meeting, I'm sure you haven't forgotten the housing arrangements. We stayed in a dormitory and there was no air conditioning and the temperature was similar to that here in Chicago last weekend.

As the ASP started to develop there was an almost immediate change from its predecessor. It was a more structured organization and also there was a decided change in the format and content of the scientific programs at the annual meetings.

One of the attractive aspects of the ASP which has always been with us is the informality and friendliness which encourages undergraduate students, graduate students, faculty, scientists in industry and government and other scientifically trained individuals to share and discuss the progress of natural product research at our annual meetings.

Perhaps the most remarkable development of the Society was acquisition of *Lloydia* and that occurred when the Society was less than two years old. To have the opportunity to be responsible for a well established journal was certainly a tribute to some of our early officers and members such as Jack Beal, Norm Farnsworth, Tip Tyler, and of course, Art Schwarting who agreed to serve as the first editor. The journal continued to develop and grow, the title was changed, and the size and quality

NOTES FROM CHICAGO - JULY, 1991

WELCOME TO CHICAGO by Geoffrey A. Cordell

Distinguished colleagues, welcome to Chicago. Welcome from all over the world to this, America's most wonderfully ethnic city, for the 32nd Annual Meeting of the American Society of Pharmacognosy, an International Research Congress on natural Products. For many of you, Chicago is a city that is known to you; for some, perhaps you have only changed planes at O'Hare Airport. For some of you, it may be your first visit to the United States. Under any circumstance. Welcome to Chicago.

We are proud of this great city, with its beautiful lake front and beaches. We are proud of the Chicago Symphony, the Lyric Opera, the unrivaled theatre, the world champion Chicago Bulls, the worlds busiest airport, the worlds busiest highway, the worlds biggest mart, the worlds tallest building, wonderful museums, the Art Institute, the Field Museum, the Museum of Science and Industry. Stunning, innovative architecture. A fabulous range of dining experiences. The blues. Welcome to Chicago.

It's a small world. Which has now come full circle. It was in this city, in room 55 of the College of Pharmacy at the University of Illinois, that the American Society of Pharmacognosy was founded 33 years ago from the Plant Sciences Seminar. Welcome back to those of you present at that meeting.

It's a small world. Welcome, dear friends, who over the years have hosted various members of the pharmacognosy group here at the University of Illinois at Chicago in your institutions and at your meetings. We have enjoyed your hospitality immensely. We hope that we can in some small way repay you with our efforts here this week for all you have done for us in our travels to your cities and your countries. We travel so easily, we see each other so often at various meetings. In so many different settings. Yet the essence remains the same, the strong bonds of a common scientific interest and a common humanity. More and more as we travel we see not differences between peoples. We see the similarities. We see the shared interests; family, arts, literature, culture, sports, and music that bind this world together. At a meeting like this we see the how science binds people together. Bringing greater levels of understanding to all.

It's a small world. During this week almost 1 million acres of tropical rain forest will be forever lost. Not just the biological richness of the flora and fauna, but also the richness of the ethnomedical information that has taken thousands of years to derive. The very life blood of our existence, now and in the future, is disappearing. How can we stop the hemorrhage? How can we substantiate the need to conserve and sustain the critical biological resources on this planet of ours? Are we really going to let the Amazon rain forest disappear in 50 years?

It's a small world. And getting smaller. We now look not only at the gross structure of a molecule, but at its stereochemistry and dimensions, at its conformations at the active site. We look at the interactions of molecules with enzymes, at the characterization of minute quantities of metabolites, at the cloning and expression of the genes of secondary metabolism in bacteria. We look at conducting thousands of bioassays a day, rather than just one or two. However, we are living in a time when the technology of our science in the areas of biological testing, separation of complex mixtures, structure determination, and definition of molecular interactions is confronted to potenti-

PRESIDENT'S MESSAGE by A. Douglas Kinghorn

This year, I will follow past-President Suffness' example, and deliver this Report to the Society at the Annual Business Meeting, rather than at the Annual Banquet, which has an already crowded agenda! However, I can echo Matt Suffness' words from 1990, by again stating that the past year has been highly successful. Most of what has been achieved has been due to a sustained effort over the years by the various members of the Executive Committee. I would like to briefly summarize some of the highlights of the year in the following paragraphs.

Membership has increased substantially, with there being well over 100 new active and associate members in the last 12 months. Many of these are from overseas, thereby confirming the status of the American Society of Pharmacognosy (ASP) as an international scientific society. We are delighted that three new honorary members of the ASP were chosen this year, with Lynn Brady and David Carew being installed at this year's Annual Banquet, and Arnold Brossi to be honored next year at the Williamsburg meeting. The Society's Journal continues to thrive in the capable hands of Editor Jim Robbers and Associate Editors David Kingston and Jerry McLaughlin, and this year we are pleased to welcome Richard Powell as a new Associate Editor. The journal has become indispensable for anyone interested in performing research on biologically active natural products, whether derived from marine or terrestrial organisms. With each issue of the Journal of Natural Products now up to three hundred pages or more, there seems little doubt that it is ready to go to a twelve-issue-per year format. We are also grateful for the three informative issues of the ASP Newsletter that we have received this year, which were ably prepared by Joy Reighard.

Having been actively involved in the organizing and running of this year's Annual Meeting, I would be remiss if I didn't comment on it here. Although I haven't been around as long as some and can't speak definitively, I'm pretty sure that this is the first ASP meeting where we have been addressed by a Nobel Laureate, and we are very grateful that Dr. Blumberg has been able to lecture to us here in Chicago. The symposium entitled "Contemporary Natural Products Research" shows very well a tremendous variety of excellent scientific endeavor linked by a common natural products thread. For the first time at an ASP Annual Meeting, we have exceeded 200 contributed papers, with the authors concerned representing laboratories in more than 30 countries. I can personally attest to the hard work undertaken by my colleagues Geoff Cordell, Norm Farnsworth, Harry Fong, John Pezzuto, Doel Soejarto and Chris Beecher to plan and execute this large meeting, and the Society is tremendously grateful for all of their efforts. I would also like to report that the 1994 meeting to be held in Halifax, Nova Scotia, which Frank Chandler will mastermind, will officially be a joint meeting, since our invitation to participate has been accepted by Gesellschaft für Arzneipflanzenforschung and the Association Francaise pour l'Enseignement et la Recherche en Pharmacognosie. We are still waiting to hear from the Phytochemical Society of Europe in this regard.

As has been the case for several years now, the Society has made a number of awards and grants this year. We are very pleased to welcome Bill Pelletier, a recent member of the Executive Committee, as the recipient of this year's Research

Brady - Continued from Page 4, Column 1

Lest I digress further, I want to return to the 1963 Chapel Hill meeting. The 31 contributed research papers represented solid growth, and the Society acquired a legacy when Ralph Voight presented our organization a gavel made from the wood of the *Cascara sagrada* tree.

By the time of the 1964 meeting in Pittsburgh "Green Medicine" had appeared. The ASP Newsletter was first published in 1964, Marsh Wheelings were both a badge and a promotion for the Society, and the program at the annual meeting had expanded to the place where it was necessary to schedule the first evening session to accommodate the contributed papers. The first, and incidentally the last, carbonyls of vincatini were formulated for the Pittsburgh meeting; on the absolute scale of inventions, the vincatini ranks up there with the Edsel and the joy buzzer.

I believe that 1964 was the year the Society matured into adolescence, so this an appropriate point to end a reflection on the early years. I would be remiss, however, if I did not indicate that I have benefited intellectually and expanded both my horizons and girth through my associations with the Society. The experiences have been enjoyable. Attendance at the annual meetings has taken me to 22 states, the District of Columbia, Puerto Rico, Austria, France, and Germany. My trip started in Chicago 32 years ago, and the way you have closed the circle this evening makes it a very special experience. It is a privilege, and I am proud to be designated a Honorary Member of the American Society of Pharmacognosy. Thank you for the opportunity to stand before you. My advice to the younger members is to work hard, play enthusiastically, and support natural products.

Editorial note: Lynn Brady was recognized as an Honorary member of the Society in Chicago.

Carew - Continued from Page 4, Column 2

has continually increased. One factor has remained constant and this is the continued dedication by natural products scientists - pharmacognosists - to be responsible for publication of a well recognized and respected journal. We owe a great debt of gratitude to Editor Schwarting and Associate Editor Bill Kelleher, to Jack Beal (assisted by Earlene) and then Jim Robbers, along with Jerry McLaughlin, and then Dave Kingston. I also want to recognize all those colleagues who have served on the Editorial Board over the years.

Yes, the ASP has come a long way. As I prepared these remarks I recalled many of the interesting events which occurred as the Society developed. For example, the executive committee meetings, which have always been held on the day an annual meeting opens. In the first few years the decision as to what the registration fee would be for that very meeting was made on the afternoon the meeting opened. Someone from the Local Committee might interrupt the meeting to ask what the registration fee would be. A short discussion would follow with such comments as: "Would ten dollars be too high? Should there be any registration charge for graduate students?"

It's nice to reminisce, and please don't fault Lynn or myself for doing a bit of this since we have been fortunate to have attended all the meetings. What's far more important however is the future, and the ASP has a very bright future.

Natural product research and financial support for natural product research has seen its highs and lows. Presently, it appears we are seeing some increased support and certainly the general public is becoming much more aware of the role of natural products especially as medicinal agents. There is also the interest in biotechnology which for many of us is not anything particularly new - but it is

rapidly drawing greatly increased attention. While at the present time we do not have very many new drug products directly from "biotechnology" there is no doubt but what many more will come.

There is much to look forward to in our field as evidenced by the plenary lectures and individuals who made outstanding presentations at this meeting. The years to come will indeed be exciting and many in this audience will definitely play a role.

These are my thoughts on this particular evening --- and now in closing I again want to express my deep appreciation for this recognition.

Thank you very much.

Editorial note: David P. Carew was also recognized as an Honorary Member in Chicago.

Cordell - Continued from Page 5, Column 1

our sustainable resources for biological and medicinal purposes. For the sake of the generations to come, let us not waste this opportunity. In the spirit of John F. Kennedy, I would challenge you to ask not what the health system can do for you now, but how you can improve the health of the generations to come. Do you know the people, who in the last thirty years, have been responsible for the discovery of clinically useful plant-derived natural products? They are here at this meeting. Find out who they are. Celebrate with them the lives that are being saved.

It's a small world. We are fortunate to have with us a distinguished group of symposium speakers from Europe, Japan, and North America. Their papers offer a review of the current dynamic status of pharmacognosy, from the issues of the rain forest and how to judiciously select materials for collection, through to isolation and struc-

ture elucidation, the latest advances in the testing of compounds, the fundamental processes and the genetics of the biosynthesis of secondary metabolites, and the synthesis of natural products.

It's a small world. This week is a celebration. It's a celebration of our diverse scientific collaborations, and of the community that is those sciences. It's a celebration of achievements. Some are individual achievements, some group efforts. The papers to be presented here this week cover the gamut of modern pharmacognosy. They epitomize the richness and the vitality of pharmacognosy, its fervor, and its significance as we look for, and seek to understand, the medicinal and biological agents of the 21st century, and the best ways to potentiate their activity, understand their mechanism of action and make them available. These papers typify the new directions that pharmacognosy has been moving, they demonstrate that pharmacognosy has truly experienced a renaissance. That it is now a fundamental and essential science, as a part of chemistry, biology and pharmacy. Without pharmacognosy, there would be no natural medicinal and biological agents. As a famous physicist once remarked "There is no applied science without basic science".

It's a small world. Pharmacognosy is the product that results from the integration of many sciences. Sometimes these sciences are located in one place, sometimes in many. Look at the papers that will be presented here this week. Not only do they represent science in over 30 different countries, but most of these papers represent the contributions of several different groups, sometimes in different institutions in the same country, sometimes in different countries. Our small world not only makes that feasible, it makes it productive and enriching for all concerned.

This celebration has been made possible by a tremendous group of colleagues, who have worked unbelievably hard to pull this

meeting together. People such as Harry Fong and John Pezzuto, in charge of the local committee. Doug Kinghorn, in charge of the scientific program committee. And the fox in charge of the chicken coup, Norm Farnsworth as head of the finance committee. We all owe a sincere debt of gratitude and thanks to these colleagues for your marvelous efforts. We also have a great staff who have helped with this meeting, and I would like to thank them for their great efforts.

This celebration has also been made possible by a group of corporate contributors, many of whom have also sent representatives to this meeting, both to attend and to contribute papers. We thank you all for your generous support.

Thank you then for coming to our part of the world. It's wonderful to see so many old faces. It's also wonderful to see so many new faces. People who have never been to an ASP meeting before, people who perhaps have never witnessed the camaraderie and the spirit, and the sense of fun that these meetings have. We hope you have a good time, that you find the meeting informative and stimulating, and that you will come to subsequent meetings. Have a wonderful time!

Kinghorn - Continued from Page 5, Column 2

Achievement Award. With the tenure clock ticking, it is very important for young faculty members at universities to receive initial funding to set in motion research programs, and we have been able to award Research Starter grants to Dr. Wayne Inman of South Dakota State University, and Dr. Tadeusz Molinski, of the University of California at Davis. It is equally important to help stimulate natural products research at the undergraduate level, and the ASP Undergraduate Award has been given to Ms. Annette Squillario of Penn State University, Altoona Campus, whose advisor is Dr. Mary Menachery. The Society has been able to assist six people to come to our Chi-

cago meeting to present their research results, namely, Mr. Mark Foster of the University of Utah, Mr. Edward Kennelly, of Washington University, St. Louis, Mr. Zhi Dong Jiang, of Oregon State University, Mr. Mohamed Mroue, of the University of Houston, Dr. L. Pieters, of the University of Antwerp, Belgium, and Dr. L. Samochowiec, of the Pomeranian Medical Academy, Poland. I would like to thank Jack Rossazza and Alice Clark and their respective committee members for their efforts in selecting the recipients of these ASP awards. In addition, I would like to bring to the attention of the membership that next year we intend to start awarding a new ASP Student Research Award, which be open to both undergraduate and graduate students working for a member of the Society, and will be based on the submission of an original research paper in the area of natural products. Each winner will receive a cash award plus all expenses to attend the Annual Meeting to present their paper.

In the interests of time and space, I should not go on much longer, but I would like to mention that the Society voted to have a new category of membership at a reduced dues rate for retired members. We also have a newly inaugurated ASP Placement Service, which is being coordinated by Bob Krueger, and I encourage both prospective employers and those looking for positions to use this service. Finally, the ASP Foundation has been organized as fully tax deductible charitable foundation. Official tax registration papers have been filed and the Foundation is legally able to accept contributions, which will be used to promote pharmacognosy research and education.

I would like to acknowledge the real "movers and shakers" of the Society, David Slatkin as our Treasurer and Bill Keller as our Secretary. Our incoming President, Chris Ireland, will, I'm sure, very quickly come to value their perennial experience and accumulated

wisdom in ASP matters. I have also consumed a not inconsiderable portion of Matt Suffness' time during the year by asking him for advice, for which I'm very grateful.

Finally, let me say that it has been a heartfelt honor and enormous pleasure to serve in the capacity of your President. I am truly thankful for all of the support I have received.

FUTURE MEETINGS

Future ASP Meetings

1992 - July 26-31 - Williamsburg, Virginia. Find details on pages 1, 2, and 3.

1993 - San Diego, California

1994 - Late July - Halifax, Nova Scotia

American Association of Pharmaceutical Scientists Future Meetings

1992 - November 15-19 - Seventh Annual Meeting - San Antonio, Texas. For further information contact: AAPS, (703)548-3000. FAX: (703)684-7349.

American Association of Colleges of Pharmacy Future Meetings

1992 - July 12-15 - J.W. Marriott Hotel, Washington, D.C.

Phytochemical Society of North America Future Meetings

Phytochemical Potential of Tropical Plants, Miami Beach, Florida, August 9-12, 1992. For further information contact: Dr. Kelsey R. Downum, Department of Biological Sciences, Florida International University, Miami, FL U.S.A. 33199. Phone: (305)348-3419. FAX: (305)348-1986.

Phytochemical Society of Europe Future Meetings

Sixth Plant Cell Wall Meeting, Nijmegen, Netherlands, August 25-28, 1992. For more information contact: Professor M.M.A. Sassen, Department of Experimental Botany, Catholic University, Toernooiveld, 1, 6525 E D Nijmegen, The Netherlands (FAX 080-553-450).

Other Meetings of Interest

1st International Symposium on Natural Drugs and the Digestive Tract, Naples, Italy, July 26-28, 1992. For details contact: Prof. Francesco Capasso, University of Naples Federico II, Dept. of Experimental Pharmacology, Via D. Montesano 49, 80131 Naples, Italy.

18th IUPAC International Symposium on the Chemistry of Natural Products, Strasbourg, France, August 30-September 4, 1992. For further information contact: Mrs. M.C. Dillenseger, General Secretariat, IUPAC Symposium, Centre de Neurochimie, 5 rue Blaise Pascal-67084-Strasbourg, France. FAX: (33)88 60 76 20.

40th Annual Congress of the Society for Medicinal Plant Research, Trieste, Italy, September 1-5, 1992. For details contact Prof. Roberto Della Loggia, Istituto di Farmacologia e Farmacognosia, Università degli Studi di Trieste, Via A. Valerio 32, 34127 Trieste. Ph. 040/573073. FAX 040/577435.

Fourth and International Congress on Phytotherapy, Munich, Germany, September 10-13, 1992. For details contact: Secretariat, MCO, Medical Congress Organization, Rosenkavalierplatz 8, W-8000 Munich 81, Germany. Phone: ++49/89/910 18 03. FAX: ++49/89/91 80 42.

3rd International Congress on Amino Acids and Analogues, Crete, Greece, August 23-27, 1993. For further information contact: G. Lubic, Univ. Vienna, Dpt. of Paediatrics, Wahringer Gurtel 18, A 1090 Vienna, Austria. FAX: x43.1.404003238.

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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 \$75.00 per year. If overseas airmail is requested, the dues are \$150.00. These members receive the *Journal of Natural Products* and the *ASP Newsletter*.

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields. These members are not accorded voting privileges, and dues are \$50.00 per year. These members receive the *ASP Newsletter*.

Emeritus Membership

Emeritus membership is open to retired members of the Society who maintained membership in the Society for at least 5 years. Dues are \$5.00 per year. These members receive the *ASP Newsletter*.

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. Jack L. Beal, Columbus, Ohio
- Dr. Lynn R. Brady
University of Washington
- 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. Richard E. Schultes
Harvard Botanical Museum
 - Dr. Arthur E. Schwarting, Florida
 - Dr. Gordon Svoboda
Indianapolis, Indiana
 - Dr. Varro E. Tyler, Purdue University
 - Dr. Monroe E. Wall
Research Triangle Institute
North Carolina
 - Dr. Heber W. Youngken, Jr.
University of Rhode Island
- Additional information about memberships may be obtained by writing to the Treasurer of the Society:
- David J. Slatkin, Ph.D., Treasurer
The Am. Society of Pharmacognosy
Chicago College of Pharmacy
555 31st Street
Downers Grove, IL 60515

OBITUARY

We are saddened to learn of the death of Dr. John Douros on November 13, 1991 in Winston-Salem, North Carolina. He was a great friend of natural products research and served as Chief of the Natural Products Branch at the National Cancer Institute from 1975-1981 and before that as Head of the Fermentation Products Section of the Drug Research and Development Branch at NCI. Before his retirement in 1987, he was Vice President for Licensing at Bristol-Myers Co.

DUES INCREASE

Effective with the billing for 1992, membership in the American Society of Pharmacognosy has increased to \$75.00 per year for full members and \$50.00 for associate members. There continues to be an additional charge for airmail delivery outside North America. There is a minimal charge for emeritus membership, since these members do not receive the *Journal*. This will be the first dues increase since 1986.

The main reason for this cost increase is the change in publication frequency of the *Journal of Natural Products* from six issues to twelve issues per year beginning with the January, 1992 issue. Monthly publication has permitted the addition of a new category of "rapid communications" for contributors to publish urgent work rapidly. The Society is committed to continuing to improve the *Journal*, and the change to monthly publication is a definite enhancement and will make the *Journal* more competitive for the best papers in natural products research.

This dues increase was initially proposed at the 1990 Annual Meeting in Bonn, when the decision was made to publish the *Journal of Natural Products* on a monthly basis. Cost projections presented at that time and updated for the Chicago meeting projected a loss of \$50,000 per year if dues were unchanged. A survey of the membership was conducted via the *Newsletter* and members expressed their desire to continue to have the *Journal* as an integral part of membership by a 2 to 1 majority. The Executive Committee at the Chicago meeting recommended the same increase as we proposed in Bonn, and this was approved unanimously by the membership at the Annual Business Meeting.