

ASP Newsletter

The American Society of Pharmacognosy

VOLUME 21, NUMBER 3

OCTOBER 1985

FROM THE EDITOR

Many thanks to those who have contributed to the ASP Newsletter. Without those contributions, the Newsletter would not be as successful. Please continue to send your letters to the editor, selected editorials, grant information, grants received, new positions, position openings, and any other information which may be of interest to our readers. This material should be sent to:

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

Material for the next issue should reach my office no later than December 15, 1985.



DR. SCHULTES



DR. NAKANISHI

NAKANISHI AND SCHULTES HONORED BY THE ASP

In a ceremony on July 11, 1985, Professor Koji Nakanishi received our Society's first research award. Dr. Nakanishi was born in Hong Kong, and raised in Alexandria, Egypt; Lyon, France; and London, England. He received his Ph.D. from Nagoya University in Japan and did his post-doctoral work at Harvard with the late Louis Fieser. This was followed by a distinguished career as Professor of Chemistry at the Tokyo Kyoiku University, Tohoku University, and Columbia University, Director of International Centre of Insect Physiology and Ecology, Nairobi, Kenya, and Director of Sundory Institute of Bioorganic Research, Osaka, Japan. He has received numerous awards and honors, including the Ernest Guenther Award of The American Chemistry Society.

Dr. Nakanishi has been a long-time member of the ASP, and has served on the Editorial Advisory Board of the Journal of Natural Products. He is also an adjunct professor of Pharmacognosy at the University of Rhode Island College of Pharmacy.

Professor Nakanishi has published more than four hundred research papers and several books, which have made tremendous impacts on natural products research. His work covers many topics, but focuses on bioactive compounds or biologically significant problems. His major interests have been in isolation and spectroscopic methods, bioactive factors such as the insect hormones, and visual pigments.

Dr. Nakanishi addressed the International Research Congress on Natural Products in Chapel Hill, North Carolina on July 11, 1985. His fascinating address was entitled: "Isolation and Structure Determination of Tunichromes, a New Group of Blood Pigments from Tunicates."

Congratulations, Dr. Nakanishi!

At the same ceremony, the ASP also honored Dr. Richard Evans Schultes by presenting him with honorary membership in the Society. Dr. Schultes is the Curator of Economic Botany, Director of the Botanical Museum, and the Edward G. Jeffrey Professor of Biology at Harvard University. Through his writings in the early 60's on hallucinogenic plants, Dr. Schultes probably did more to advance the field of pharmacognosy than many of his contemporaries. His works on ethnobotany and taxonomy served as the cornerstone for phytochemical studies on psychoactive medicinal plants. They were among the major reasons for the impetus given to those phytochemical studies that did so much to promote Pharmacognosy in the 60's and 70's. Dr. Schultes has edited the Botanical Museum Leaflets at Harvard and contributed over 100 papers to it; he has also published nearly 200 papers in other scientific and professional journals and authored or co-authored over a dozen books. Dr. Schultes has been a long-time member of the ASP and was in fact one of the symposium speakers in 1966. His honors include Fellowship in the American Academy of Arts and Sciences, the Linnean Society (London) and the National Academy of Sciences. He has received the Cross of Boyaca', which is Columbia's highest honor, and is the only foreign scientist ever to receive it.

Congratulations, Dr. Schultes!

PRESIDENT EDWARDS COMPLETES YEAR

Ladies, gentlemen, colleagues, pharmacognosists, and welcome guests. The symbol of authority and rejuvenation in the American Society of Pharmacognosy is a gavel made of lignified tissues of *Rhamnus purshiana*. Each outgoing President who has completed a successful term of office is awarded a replica gavel. Norman Farnsworth and I have been charged with the responsibility of evaluating the President's accomplishments and rendering judgement on merit.

We started working on our task last year in Austin immediately after Dave Slatkin rode into the business meeting and uttered those immortal words, "The British are coming, the British are coming." Recognition that the Americans have had problems with the British before - for example, in 1776 and 1812 - prompted caution and concern. We can now report that President Edwards has successfully completed a year in office, but you must remember that our award is based on completion of a successful year.

(continued page 2, column 1)

President Edwards Completes Year

(Continued from page 1, column 2)

We exercised our midnight subpoena power and acquired Michael's correspondence files for the past year, but quite frankly this post card (displayed) is insufficient to document significant accomplishments. We have been forced to extend our search to less traditional sources to gain a reliable personal profile of your President. We have learned that his preparation includes service as a batman to some "brass and braids" in the Royal Navy. The British have a wonderful way of exporting their problems, when possible, to the colonies, and we verified that Michael was shipped to Australia, the remotest of the remote, as an ordinary school teacher. He bummed around for a while until he finally ended up at the University of Connecticut. He has apparently never been allowed to return to his mother country for more than brief visits.

While at the University of Connecticut, President Edwards has been under the watchful eyes of Drs. Kelleher, Rother, and Schwarting. Founding Fathers and Charter ASP members Kelleher and Schwarting were requested to provide testimony for our Committee. They both declined and indicated that they were unable to attend the meeting in Chapel Hill, citing vague prior commitments and embarrassment, not necessarily in that order. Only the unflappable Dr. Rother is here with us this evening. Ana, do you want to speak in behalf of the accused, or should I say the allegedly innocent? (Dr. Rother emphatically declined to come to the podium.)

Mike, we find it necessary to ask you some questions directly. Do you know how to save an obligative synthetic organic chemist from drowning? (After considerable reflection and hesitation President Edwards responded in the negative.) Good!

It is a pleasure to present you this replicate gavel. Hopefully, it will remind you of this year and this symbolic physic.

Reported for the record at the Society's July 11 Banquet by Lynn Brady.

LETTER FROM THE PRESIDENT

The day after I got back from the North Carolina Meeting I was pondering my role as President of the august group of scientists and thought to myself "Now what?"

The first thing that struck me was that the meeting had been highly successful, both in terms of the scientific quality of the excellent symposium and the contributed papers, and also in terms of the number of attendees and their geographic origin; about 300 attendees from at least 27 countries (not counting Texas!). Was this the best meeting ever? Of those that I have attended it certainly was. But none of the scientific and social pleasures from this meeting could have been possible without the hard work of Dave Kingston, who organized the Scientific Program and Jack Wier, who organized the Local Program. Their efforts were outstanding. **Thank you** from all of us!

The second thing that struck me was the diversity of the papers presented, spanning the cultivation of medicinal plants, their biological or pharmacological evaluation, the isolation, structure elucidation and biosynthesis of active principles, the production of medicinal agents in vitro, the synthesis of derivatives of active compounds, as well as many other areas. How marvellous that pharmacognosy has broadened in scope to cover all of these disciplines. How much more significant it becomes as a science when viewed in this manner. The cross-fertilization of ideas between specialities, and the collaborative research that ensues, seems to me to be a strength of pharmacognosy as it has evolved.

My third thought in a row, and you have to imagine that by now I was rather tired, was that I had lots of committees to appoint. But one of them was rather special, an **Ad hoc** Committee to Evaluate the Name of the Society. I suppose that this issue arose at the Austin, Texas meeting and was held over until this year for closer examination. The Chairman of this committee is Dr. Norman R. Farnsworth, University of Illinois at Chicago, and his fellow committee members are Dr. Jack L. Beal, Ohio State University,

Dr. John H. Cardellina, Ill, Montana State University, Dr. S. William Pelletier, University of Georgia, and Dr. John P. Rosazza, University of Iowa.

The charge to this committee is a simple one: "Is the name of the Society appropriate for the future." Already in the ASP Newsletter (21 (1), 2-3, 1985) there has been some discussion on this issue, and certainly the considerations are quite complex. Is the term "Pharmacognosy" a limiting term? i.e. does it exclude certain scientists who might otherwise join? Or are the scientifically active members of the Society and the Society journal, redefining "Pharmacognosy" in a broader context which will eventually embrace other disciplines? Does it matter that "Pharmacognosy" is rarely taught as such in the professional pharmacy curriculum in the United States?

And what of the term "American" in the name of the Society when we have over 300 members (41%) who are not located in America? Do we limit our growth and influence by retaining this part of the name? Would "International Society for Natural Product Research", or some other name, improve our status at home and abroad, or will the lack of reputation and recognition of national origin in a new name, hamper our continued growth?

Each and every one of you will have some thoughts on these and many other topics which interface this issue. I'm hoping, no, encouraging each of you to register an opinion or comment with Dr. Farnsworth as soon as you can. He, with his committee, will then formulate a consensus based on the responses and his committees' deliberations, and report to me as appropriate. The whole issue will then be brought to the Executive Committee and the membership at the Michigan Meeting next July. If it is the wish of that assembly to change the name, then it would be put to the vote of the membership on a ballot in the Fall of 1986.

Once again let me **strongly** encourage you to write to Dr. Farnsworth on this issue. His address is:

Dr. Norman R. Farnsworth
Program for Collaborative Research in the
Pharmaceutical Sciences
College of Pharmacy
University of Illinois at Chicago
Chicago, IL 60612 U.S.A.

Best wishes to you all as you seek to enhance pharmacognosy in you own way.

Geoffrey A. Cordell, Ph.D., President

SOCIETY BUSINESS JOURNAL OF NATURAL PRODUCTS REPORT

Editor James E. Robbers has reported the progress that the Journal has made over the last twelve months. The Journal continues to grow as 320 manuscripts were received in 1984 compared to 260 the previous year. As of July 1, 1985, the number of manuscripts received is up slightly from last year (170). There was also a significant increase in the number of manuscripts published -- 246 in 1984 (1088 pages) as compared to 168 in 1983 (964 pages). The editors have also been able to decrease the lag time from when an article is received to when it is actually published. This is now approximately six months. The editors which to thank all of the membership who have been serving as reviewers, as this provides the quality of our Journal. Congratulations to Editor Robbers, Associate Editors Kingston and McLaughlin, Managing Editor Stites, and the entire editorial team for a job well done!

MEMBERSHIP COMMITTEE

The membership committee (Geoffrey A. Cordell, Chairman, J.H. Cardellina III and W.L. Lasswell) solicited from six different groups over the last year for a total mailing of 1176 invitations to join our Society. This has resulted in an increase of 57 members over the year. This brings our total membership to 726 (426 U.S. and 300 foreign) as of July 1, 1985. We extend a special thanks to this committee for keeping our Society growing.

NEW MEMBERS

The ASP is pleased to welcome the following new members.

New Full Members:	
Thomas P. Abbott	Carlos Roersch
USDA, Peoria, Illinois	Centro Medicina Andina
H. Achenbach	Samin Anis Ross
University of Erlangen	Assiut University
Nagwa Ammar	Timothy G. Saxe
Natl. Research Centre, Cairo	Marshall University Foundation
Denise E. Blume	John P. Schaumberg
R.J. Reynolds Tobacco Co.	Warner Lambert/Parke Davis
Giuseppe Cassinelli	Sheo B. Singh
Farmitalia Carlo Erba	Arizona State University
Brent W. Davis	David G. Spoerke
Pasadena, California	Rocky Mt. Poison & Drug Center
Peter Finkle	Michael S. Tempesta

Oakland, California Andrew E. Greene Domain Universitaire

Mazuru Gundidza University of Zimbabwe

Penny L. Hunst Monsanto Company

Dr. Ippen University of Gottingen

Keith S. Kyler University of Miami

Susan Morrell Monsanto Company

Roy K. Okuda University of Rhode Island University of Missouri

David S. Watt University of Kentucky

Alan M. Young Demers Laboratory

New Associate Members:

Henry E. Khouri Concordia University

Guido Marcelle University of Illinois

Bianca Martinez University of Minnesota

Amil K. Ratty Singapore

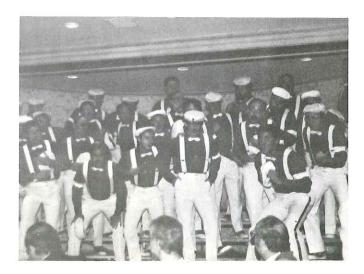
Lynn Brady presents the replicate gavel to outgoing president Michael Edwards.

ASP DEMOGRAPHICS - JUNE 1985

Active and Associate Members

	AC	nve and Associa	te iv	iembers	
Argentina	5	German F.R.	22	Pakistan	1
Australia	7	Ghana	0	Panama	1
Austria	2	Greece	4	Peru	3
Belgium	5	Haiti	1	Philippines	3
Bolivia	1	Hong Kong	1	Poland	1
Brazil	7	Hungary	1	Rwanda	1
Bulgaria	1	India	7	Saudi Arabia	
Cameroon	2	Indonesia	2	So. Africa	3
Canada	22	Iran	2	Somalia	0
Chile	1	Ireland	2	Spain	11
China	7	Israel	3	Sri Lanka	0
Columbia	2	Italy	16	Sudan	2
Costa Rica	1	Japan	32	Sweden	4
Cyprus	1	Jordan	1	Switzerland	7
Czechoslovak	ia 1	Korea	12	Thailand	2
Denmark	2	Madagascar	1	Turkey	6
Dom. Republic	c 2	Mexico	5	U.K.	12
Egypt	9	Netherlands	7	Uruguay	1
ElSalvadore	1	New Zealand	1	U.S.A.	426
Ethiopia	2	Nicaragua	0	Venezuela	2
France	27	Nigeria	4	West Indies	1
German D.R.	2	Norway	2	Zaire	0
			726		
		United Sta	tes		
AL	0	KY	0	ND	0
AK	0	LA	6	ΟΉ	18
AZ	10	ME	2	OK	3
AR	0	MD	20	OR	6
CA	41	MA	16	PA	31
CO	5	MI	10	PR	4
CT	8	MN	6	RI	4
DE	1	MS	13	SC	3
DC	5	MO	7	SD	0
FL	12	MT	5	TN	1
GA	15	NE	1	TX	19
HI	3	NV	0	UT	9
IA	7	NH	0	VT	0
ID	1	NJ	20	VA	7
IL	34	NM	0	WA	8
IN	22	NY	23	WV	3
KS	2	NC	11	WI	4
				WY	0
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Total USA = 426 Total Non-USA = 300



Entertainment Chapel Hill style.

ASP COMMITTEES 1985-86

ASP EXECUTIVE COMMITTEE Geoffrey A. Cordell, President J. Michael Edwards,

Immediate Past President James D. McChesney, V.P. William J. Keller, Secretary David J. Slatkin, Treasurer James E. Robbers, Editor Journal of Natural Products Joseph E. Knapp (1983-86) David G.I. Kingston (1985-88) A. Douglas Kinghorn (1985-88)

MEMBERSHIP James D. McChesney, Chair William L. Lasswell

Ronald M. Woodard

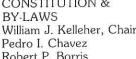
CONSTITUTION & William J. Kelleher, Chair Robert P. Borris

NOMINATING John P. Rosazza, Chair Paul L. Schiff, Jr. Edward Leete

PROGRAM COMMITTEES -1986 LOCAL George M. Hatfield, Chair

SCIENTIFIC Ronald M. Woodard, Chair

ASP NEWSLETTER Joy B. Reighard, Editor



PUBLICATIONS James E. Robbers, Chair David G.I. Kingston Jerry L. McLaughlin

Members of Advisory Board

PATRON MEMBERSHIP

J. Michael Edwards

Jack L. Beal, Chair

George H. Constantine Paul L. Schiff, Jr.

Geoffrey A. Cordell, Chair

HONORARY MEMBERSHIP

PUBLICITY Donald E. Nettleton, Chair Joy B. Reighard Brian Meyer

AWARDS AND FUNDS Joseph E. Knapp, Chair Charles H. Phoebe, Jr. Chris M. Ireland David J. Slatkin, ex officio

RESOLUTIONS Audrey S. Bingel, Chair Cedric J. Pearce

AD HOC COMMITTEES **AUDITING** Charles D. Hufford, Chair Lynn R. Brady Ralph N. Blomster

CONTINUING EDUCATION Robert J. Krueger, Chair Audrey S. Bingel Pedro I. Chavez

COMMITTEE TO EVALUATE THE NAME OF THE SOCIETY Norman R. Farnsworth, Chair Jack L. Beal John H. Cardellina, III S. William Pelletier John P. Rosazza

TELLERS William J. Keller, Chair K.R. Shrader J.N. Davisson

COMMITTEE ON KILMER **PRIZE** Jerry L. McLaughlin J. Michael Edwards Joseph E. Knapp



The Jamboree, Chapel Hill July, 1985



The ASP annual meeting was in Chapel Hill, North Carolina in 1963. How many familiar faces do you see? Photo courtesy of Lynn Brady.

Society Business

(Continued from page 2, column 2)

PATRON MEMBERS

The patron membership committee (J. Michael Edwards, Chairman, and Paul L. Schiff, Jr.) has reported the following members for 1984-1985:

Benefactors

Dr. Madis Laboratories Smith, Kline, and French

Sustaining Members

Eli Lilly Merck, Sharp, and Dohme Bristol-Myers International Minerals and Chemical

Patron Members

Abbott Laboratories Geigy Pharmaceuticals Patron Members, continued

Meer Corporation E.R. Squibb and Sons A.H. Robins

Stuart—ICI

Burroughs Wellcome Co.

Pfizer Pharmaceuticals Hoffmann-LaRoche

Philip Morris

Penick Corporation Schering Corporation

FMC Corporation

Warner Lambert

NOMINATING COMMITTEE

The nominating committee (Jerry L. McLaughlin, Chairman, S. William pelletier, and John P. Rosazza) has presented the following persons to be placed on the 1985 ballot for the offices indicated:

Vice President (1986-87)/President (1987-88):

Charles Hufford, University of Mississippi

Yuzuru Shimizu, University of Rhode Island

Executive Committee (1986-89):

Marilyn K. Speedie, University of Maryland

Cecil R. Smith, Jr., Northern Regional Research Center, Peoria, Illinois

The ballot for this election will be sent out this fall, and the new officers will be installed at the Annual Meeting in Michigan in July, 1986.

HONORARY MEMBERS

The honorary membership committee (Jack L. Beal, Chairman, John M. Cassady, and George H. Constantine) has received nominations for three members to receive honorary membership in our Society at next year's annual meeting. All three were recommended to the Executive Committee and approved. Congratulations to Norman R. Farnsworth, Gordon Svoboda, and Varro E. Tyler, who will be honored at the 1986 annual meeting in Michigan.

ASP SMALL GRANTS AND AWARDS

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

1. ASP Travel Grants for Active Members:

Members of the Society within the first five years of assuming their first professional position are eligible for a \$500 grant to present the results of their research at an annual meeting of the Society. Applications are due February 1, 1986.

2. ASP Small Research Grants:

Members of the Society within the first five years of assuming their first professional position are eligible for a \$2500 grant to aid in their research. These grants will not provide overhead monies to the grantee institution. Applications are due February 1, 1986.

3. ASP Travel Grants for Graduate Student:

Graduate Students under supervision of a Society Member are eligible for a \$250 grant to present a paper at an annual meeting of the Society. Applications are due May 1, 1986.

4. ASP Undergraduate Research Awards:

Undergraduate Students interested in investigating a career in natural products research are eligible for a research award to study under the direction of a Society Member on the faculty of an American college or university. These awards (\$1500 to the student and \$500 to the advisor) do not provide overhead monies to the grantee instution. The research project is to be accomplished during the summer previous to the last year of the student's academic program leading to the B.S. or Pharm.D. degrees.

Address inquiries and requests for application information to:

Joseph E. Knapp, Ph.D. Chairman, Awards Committee American Society of Pharmacognosy University of Pittsburgh School of Pharmacy 512 Salk Hall Pittsburgh, PA 15261 U.S.A.

FUTURE MEETINGS

FUTURE ASP MEETINGS

1986-July 27-31, University of Michigan. Tentative symposium title is "Modern Techniques in Biosynthesis." More information to follow in the next Newsletter.

1987 - July 19-24 (Tentative), University of Rhode Island.

1988 - July 9-14 (Tentative), The University of Utah

1989 - University of Puerto Rico

OTHER MEETINGS OF INTEREST

International Meeting on *Viscum album*, April 10-11, 1986, Ruprecht-Karls-Universitat, Heidelberg, FRG. For further information contact: Prof. Dr. Hans Becker, Instit. f. Pharm., Biologie, Universitat, Heidelberg, INF 364, D 6900 Heidelberg, FRG.

MEETING REPORT

The International Research Congress on Natural Products, which was held at the University of North Carolina in Chapel Hill, July 7-12, 1985, was a huge success. Scientists from various organizations from around the world gathered to learn and to share their knowledge with the others in the field of natural products. The meeting had a record of approximately 300 registrants and nearly 200 presented papers.

The symposium: "Biologically Active Nitrogen-Containing Natural Products: Structure, Biosynthesis, and Synthesis" was

highly stimulating and very well presented.

This year's meeting was highlighted by the presentation of ASP's first research award address. Dr. Koji Nakanishi addressed the registrants on the subject "Isolation and Structure Determination of Tunichromes, a New Group of Blood Pigments from Tunicates."

The local program committee also did its job by providing for a Southern Barbecue and Jamboree, complete with Blue-Grass

Band and Square-Dancing.

This 26th annual meeting for the ASP was a great success, thanks to the hard work of the Scientific (David G.I. Kingston, Chairman, R. Anton, A. Baerheim-Svendsen, J.M. Cassady, A. Cave, D.M.X. Donnelly, S.J. Gould, J.D. Phillipson, L.W. Robertson, J.P. Rosazza, O. Sticher, and J.K. Wier) and the Local Program (Jack K. Wier, Chairman, Iris H. Hall, Khalid Ishaq, David G.I. Kingston, K.H. Lee, Mansukh Wani, and Steven Wyrick) Committees.

Congratulations on a job well done!

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. If airmail is requested, the dues are \$60.00.

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields. These members are not accorded voting privileges, and dues are \$25.00 per year.

Honorary Membership

Honorary members are elected 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, Ohio State University

Dr. Jonathan L. Hartwell, Washington

Dr. R. Hegnauer, Leiden, Netherlands

Dr. Albert Hofmann, Switzerland

Dr. Richard E. Schultes, Harvard Botanical Museum

Dr. Arthur E. Schwarting, Florida

Dr. Heber W. Youngken, Jr., University of Rhode Island

We wish to honor the memory of former Honorary Members, now deceased:

Dr. Tatsuo Kariyone, Japan

Dr. John T. Lloyd, Interlaken, New York

Dr. Kurt Mothes, Halle (Salle), GDR

Dr. Frant. Santavy, Czechoslovakia

Mr. John E. Seybert, Duarte, California

Prof. Dr. Richard B. Wasicky, Sao Paulo, Brazil

Dr. John J. Willaman, Philadelphia, Pennsylvania

Patron, Sustaining, and Benefactor Memberships

These memberships are open to any person or organization wishing to support the aims and objectives of the Society. Dues are as follows:

Patron Member - \$200.00 per year Sustaining Member - \$500.00 per year Benefactor Member - \$1,000.00 per year

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

Department of Pharmaceutical Sciences

512 Salk Hall

University of Pittsburgh

Pittsburgh, PA 15261 U.S.A.

SOCIETY NEWS

PURDUE GETS NEW ASSOCIATE PROFESSOR

John M. Schwab, previously at the Catholic University of America, has joined the faculty at Purdue University School of Pharmacy and Pharmacal Sciences. Congratualtions and good luck in your new endeavor!

LLOYD EXTRACTOR FOR SALE

Capacity: 1 cu. ft. solids and 1 gal concentate. Dimensions: 5 ft. L. x 3 ft. W. x 9.5 ft. H. Unit is designed for operating pressures from full vacuum to 15 p.s.i.g. Maximum operating pressure in the jackets is 15 p.s.i.g. These units are very expensive new, and owners are willing to discuss a price. Interested parties please contact:

John P. Rosazza, Ph.D. College of Pharmacy The University of Iowa Iowa City, Iowa 52242 U.S.A.



The Virginia Reel, Chapel Hill, July, 1985

ASP Newsletter

American Society of Pharmacognosy

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NON-PROFIT ORGANIZATION U.S. POSTAGE P A I D

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