



Spring 2002

THE CORNUCOPIA

American Chemical Society

Division of Agricultural and Food Chemistry

<http://membership.acs.org/A/Agfd>

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New Material Deadline for Fall 2002 Cornucopia: April 15, 2002

INCLUDING ABSTRACTS

223rd ACS National Meeting
Orlando, Florida
April 7-11, 2002

Fereidoon Shahidi, Program Chair

MESSAGE FROM THE CHAIR

A major activity of the AGFD is made up of our technical programs and publication of proceeding books, both of which depend heavily on the dedicated work and efforts of member volunteers. I encourage all of you to find a niche where you can contribute.

For the Orlando meeting, AGFD has received over 100 abstracts which will be presented in 14 oral sessions as well as posters that will be featured at the Monday evening Sci. Mix. The division needs your continuous input and I encourage you to attend the meetings of the Subdivisions at 12 noon on Monday and that of the Future Programs at 5 PM on the same day. The place for these meetings would be close to where our oral sessions are being held.

The AGFD is also making an effort to expand its interaction with other societies. During the Spring 2001 Meeting in San Diego, a symposium on Food Factors and Health Promotion was jointly organized with the International Society of Food Factors, formerly known as Japan Society of Food Factors. A symposium entitled Ensuring a Safe and Healthy Food Supply was also jointly co-sponsored by our division and the Committee on Science (COMSCI) as well as the IFT. AGFD will co-sponsor a symposium on Nutraceuticals and Functional Foods: Genomics during the IFT 2002 in Anaheim with its Nutraceutical and Functional Foods Division. Furthermore, efforts are underway to better showcase our proceeding books which are now published by the ACS Books/ Oxford.

Finally, I would like to take the opportunity to thank Mike Tunick who has completed an excellent year of chairing our division and for his continued support and assistance to me since. I also wish to extend my appreciation to all division officers and symposia organizers for their hard work and dedication.

Fereidoon Shahidi
AGFD Chair
fshahidi@mun.ca

Challenges in Characterization of Flavor Compounds

American Chemical Society 224th National Meeting
Agricultural and Food Chemistry Division

Boston, MA

August 18-20, 2002

www.nysaes.cornell.edu/agfd/deibler02.html

The purpose of this symposium is to discuss recent advances in the area of flavor analysis, emphasizing the challenges associated in each section. Additionally, evaluation of the challenges inherent in flavor analysis along with proposed methods of overcoming these challenges, will be discussed. The discussion breaks between sessions will give the participants opportunities to brainstorm and share ideas on how to overcome some of the barriers of flavor analysis.

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FUTURE PROGRAMS

Submit abstracts using the Online Abstract Submittal System (OASys) at <http://oasys.acs.org>. Contact symposium chair if you do not have internet access.

ORLANDO, FL April 7-11, 2002

Program Chair: Fereidoon Shahidi, Memorial Univ. of Newfoundland, Dept. of Biochemistry, St. John's, NF A1B 3X9, Canada, (709) 737-8552, fax (709) 737-4000, e-mail: fshahidi@mun.ca

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F. Shahidi

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3 CONTROLLED RELEASE SYSTEMS FOR FOOD

Sam Shefer, Salvona Technologies, 65 Stults Rd., Dayton, NJ 08810, (609) 432-7255, fax (609) 432-7256, e-mail: salvona99@aol.com; Mustafa Erhan Yildiz, Department of Food Science, Rutgers University, 65 Dudley Rd., New Brunswick, NJ 08901, (732) 932-8688 x340, Fax (732) 932-8690, e-mail: eyildiz@eden.rutgers.edu

4 METHODOLOGY FOR EVALUATION OF BIOACTIVE COMPOUNDS

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5 NUTRACEUTICAL AND SPECIALTY LIPIDS

Casimir Akoh, Univ. of Georgia, Dept. of Food Science and Technology, Athens, GA 30602-7610, (706) 542-1067, fax (706) 542-1050, e-mail: cmscakoh@uga.cc.uga.edu; Fereidoon

Shahidi, Dept. of Biochemistry, Memorial Univ. of Newfoundland, St. John's, NF A1B 3X9, Canada, (709) 737-8552, fax (709) 737-4000, e-mail: fshahidi@mun.ca

6 OFF-FLAVORS OF SEAFOOD

Agnes M. Rimando, USDA-ARS, Natural Products Utilization Research Unit, P.O. Box 8048, University, MS 38677-8048, (662) 915-1037, fax (662) 915-1035, e-mail: arimando@asrr.arsusda.gov; Kevin K. Schrader, Natural Products Utilization Research Unit, USDA-ARS, P.O.Box 8048, University, MS 38677-8048, (662) 915-1144, Fax (662) 915-1035; e-mail: kschrade@olemiss.edu

7 ORIENTAL FOODS AND HERBS

Chi-Tang Ho, Rutgers Univ., Dept. of Food Science, New Brunswick, NJ 08901-8502, (732) 932-9611 ext 235, fax (732) 932-6776, e-mail: ho@aesop.rutgers.edu

8 SCI-MIX

Fereidoon Shahidi

BOSTON August 18-22, 2002

Program Chair: Carl Frey, Pepsi Cola Co., 100 Stevens Ave., Valhalla, NY 10595, (914) 742-4832, Fax: (914) 742-3329, e-mail: carl.frey@pepsi.com

1 GENERAL PAPERS AND POSTERS

C. Frey

2 FLAVOR WORKSHOP

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FUTURE PROGRAMS (continued)

3 BIOACTIVES IN FOODS AND THEIR HEALTH EFFECTS

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4 CHALLENGES IN ISOLATION AND CHARACTERIZATION OF FLAVOR COMPOUNDS

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5 CHEMOMETRICS IN FOOD RESEARCH

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6 COMPOUNDS AFFECTING MOUTHFEEL AND TASTE OF FOOD

Wilhelm Pickenhagen, DRAGOCO Gerberding & Co. AG, Corporate Research Division, Dragocostrasse, D-37601 Holzminden, Germany, +49-5531-971270, fax +49-5531-971158, e-mail: doris.gattermann@eu.dragoco.com; Thomas Hoffman, Deutsche Forschungsanstalt für Lebensmittelchemie, Lichtenbergstrasse 4, Garching 85748, Germany, +0049-89-289-14170, fax +0049-89-289-14183, e-mail: Thomas.Hofmann@lrz.tum.de; C.-T. Ho, Dept. of Food Science, Rutgers Univ., New Brunswick, NJ 08901-8502, (732) 932-9611 ext. 235, fax (732) 932-6776, e-mail:ho@aesop.rutgers.edu

7 GRAINS AND LEGUMES

Keith Cadwallader, Department of Food Science and Human Nutrition, University of Illinois, 1302 W. Pennsylvania Ave., Urbana, IL 61801, (217) 333-5803, Fax (217) 333-3585, e-mail: cadwlldr@uiuc.edu; Michael Morello, Quaker Oats Co., 617 W. Main St., Barrington, IL 60010, (847) 304-2274, fax (847) 304-2149, e-mail: mike_morello@quakeroats.com; P. Schieberle, Institut für Lebensmittelchemie TU München. Deutsche Forschungsanstalt für Lebensmittelchemie, Lichtenbergstr. 4,85748 Garching, Germany, +49(0) 89 289 13265, Fax + (0) 89 289 14183, Peter.Schieberle@lrz.tumuenchen.de; H. Steinhart, Institute of Biochemistry and Food Chemistry, U. Hamburg, D-20146 Hamburg, Germany, +49-40-428384356, Fax +49-40-428384342, e-mail: steinhart@chemie.uni-hamburg.de; cosponsored by Lebensmittelchemische Gesellschaft in der Gesellschaft Deutscher Chemiker

8 MOLECULAR BIOLOGY OF SECONDARY METABOLITES

Brian Sheffler, USDA-ARS, Natural Products Utilization Research Unit, P.O.Box 8048, University, MS 38672-8048, (662) 915-1548, Fax (662)915-1035, e-mail: brians@olemiss.edu; Agnes M. Rimando, USDA-ARS, Natural Products Utilization Research Unit, P.O.Box 8048, University, MS 38677-8048, (662) 915-1037, Fax (662) 915-1035, e-mail: ari-mando@asrr.arsusda.gov

9 SAFETY ASPECTS OF FLAVOR

Charles Manley, Takasago International Corp., 4 Volvo Dr., Rockleigh, NJ 07647-0932, (201) 767-9001, fax (201) 784-7292

10 FOOD IRRADIATION: APPLICATIONS FOR FOOD QUALITY AND SAFETY AND CHEMISTRY CONSIDERATIONS FOR FOOD PACKAGING MATERIALS

Vanee Komolprasert, Division of Food Processing and Packaging, FDA, Summit Argo, IL 60501, (708) 728-4152, Fax (708) 728-4172, e-mail: Vanee.Komolprasert@cfsan.fda.gov ; Raniner Buchalla, Division of Chemistry and Environmental Reviews, FDA, Washington,

FUTURE PROGRAMS (continued)

DC 20204, (202) 205-4189, Fax (202) 401-8531, e-mail: RBuchall@cfsan.fda.gov

NEW ORLEANS, LA March 23-27, 2003

Program Chair: Carl Frey, Pepsi Cola Co., 100 Stevens Ave., Valhalla, NY 10595, (914) 742-4832, Fax: (914) 749-3329, e-mail: carl.frey@pepsi.com

1 GENERAL PAPERS AND POSTERS

C. Frey

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3 CHEMICAL BASIS OF ALTERNATIVE AGRICULTURE

Richard Petroski, USDA-ARS, Natl. Center for Agricultural Utilization Research, 1815 N. University Ave., Peoria, IL 61604, (309) 681-6222, fax (309) 681-6686, e-mail: petrosj@mail.ncaur.usda.gov; Agnes M. Rimando, USDA-ARS, Natural Products Utilization Research Unit, P.O. Box 8048, University, MS 38677-8048, (662) 915-1037, fax (662) 915-1035, e-mail: arimando@asrr.arsusda.gov

4 UNCOVERING THE MYSTERIES OF RED WINE PIGMENTS

Andrew L. Waterhouse, Dept. of Viticulture & Enology, 2015 Wickson Hall, Univ. of California, Davis, CA 95616, (530) 752-4777, fax:(530) 752-0382, e-mail: alwaterhouse@ucdavis.edu

5 IMMUNE-ENHANCING FOODS

Marshall Philips, Strategic Biocon, P.O.Box 625, Concordville, PA 19331-0625, e-mail:jafcaed@p3.net

NEW YORK, NY Sept. 7-11, 2003

Program Chair: Wallace Yokoyama, USDA, 800 Buchanan St., Albany, CA 94710, (510) 559-5695, Fax (510) 559-5777, e-mail: wally@pw.usda.gov

1 GENERAL PAPERS AND POSTERS

Tea and Health, John Weisburger, American Health Foundation, Valhalla, NY 10595-1599, (914) 789-7141, e-mail: jweisbur@ahf.org

2 FLAVOR RELEASE

Andy Taylor, University of Nottingham, Sutton Boninton Campus, Loughborough, Leics, LE12 5RD, UK, +44(0) 115 951 6144, Fax +44(0) 115 951 6154, e-mail: andy.taylor@nottingham.ac.uk

3 PROCESSED REACTION FLAVORS

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4 PHENOLICS IN FOODS AND NATURAL HEALTH PRODUCTS

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5 CHEMISTRY, FLAVOR AND TEXTURE OF LIPID-CONTAINING FOODS

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FUTURE PROGRAMS (continued)

ANAHEIM, CA
March 28-April 1, 2004

Program Chair: Wallace Yokoyama, USDA, 800 Buchanan St., Albany, CA 94710, (510) 559-5695, Fax (510) 559-5777, e-mail: wally@pw.usda.gov

1 GENERAL PAPERS AND POSTERS

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Charles Brine, AVEBE America, Inc., Princeton Corporate Center, 4 Independence Way, Princeton, NJ 08450, (609) 520-1400, fax (609)734-9343, e-mail: brinec@avebe.com

3 BIOGENERATED AROMA COMPOUNDS

Karl Swift, e-mail: Karl.Swift@quest.intl.com

4 CHEMISTRY AND FLAVOR OF HISPANIC FOOD

Michael H. Tunick, USDA, 600 E. Mermaid, Wyndmoor, PA 19038, (215) 233-6454, Fax (215) 233-6795, e-mail: mtunick@arserrc.gov; Deepthi Weerasinghe, Firmenich Inc., P.O.Box 5880, Princeton, NJ 08543, (609) 452-1000, Fax (609) 452-2997, e-mail: deepthi.weerasinghe@firmenich.com

5 PROCESS EFFECTS ON PHYTOCHEMICALS AND BIOACTIVES

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PHILADELPHIA, PA
August 22-26, 2004

1 GENERAL PAPERS AND POSTERS

2 ACID-CATALYZED REACTIONS OF FLAVOR COMPOUNDS

Prashanthi Jella, Coca-Cola Co., P.O. Drawer

1734, Atlanta, GA 30301, (404) 676-3969, fax (404) 676-3656, e-mail: pjella@na.ko.com; Russ Rouseff, University of Florida, Citrus Research and Education Center, 700 Experiment Station Rd., Lake Alfred, FL 33850, (941) 956-1151 ext 223, fax (941) 956-4631, e-mail: rlr@gnv.ifas.ufl.edu

2 FIBER AND DISEASE PREVENTION

John Weisburger, American Health Foundation, Valhalla, NY 10595-1599, (914) 789-7141, e-mail: jwiesbur@ahf.org

3 LIPID OXIDATION AND ANTIOXIDANTS: CHEMISTRY, METHODOLOGIES AND HEALTH EFFECTS

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AGFD WEB SITE UPDATE

The ACS has updated their web site format to a new portal type design with new and different content. You may want to check it out often since it has daily news and information impacting the chemical industries. You can easily find a link to ACS on each of our division pages or direct through www.chemistry.org.

The AGFD web site can be found at the following address:

<http://membership.acs.org/A/Agfd/>

We are always looking for suggestions and other information, which would be valuable. Organizers of symposia at the annual meetings may want to include more details about the symposium objectives and the current papers. This could be updated more frequently as we approach the meeting date. Organizers are welcome to copy me with any information that they develop.

Information to be posted can be forwarded to me via e-mail at colin.ringleib@pepsi.com or

(cont.)

WEB UPDATE (continued)

Colin@ringleib.com.

Please submit information in a common electronic format whenever possible. To allow information to be added rapidly, it is hoped that minimal reformatting and editing will be required. Please let me know of any concerns or special requests via e-mail or by phone at 914-742-4622.

Compatibility and Performance Issues: We try and minimize the compatibility problems although the many different browsers and different versions may lead to issues for some. Please contact me with any compatibility issues, so we can attempt to minimize their impact. We also strive to keep the information simple to allow pages to load quickly. Please let us know if you experience longer delays than you feel are appropriate to access the division information.

E-Mail: E-mail is a great medium for rapid distribution of information. We are interested in options that would allow the division to more effectively stay in touch via e-mail but not burden you with unnecessary messages. Please let us know if there are ways that you would like to see selected information shared via e-mail.

CORNUCOPIA

New Material Deadline: April 15, 2002

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Chair

Serves a 1-year term. Presides over Divisional meetings, appoints committees, and serves as Program Chair for the ACS Spring Meeting.

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Chair-Elect

Serves a 1-year term. Substitutes for the Chair when necessary and serves as Program Chair for the ACS Fall Meeting.

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Vice-Chair

Serves a 1-year term. Assists the Chair-Elect in developing future technical programs.

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Secretary

Responsible for Division correspondence and meeting minutes.

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Treasurer

Responsible for Division financial matters.

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Edits the Division newsletter.

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Serve 3-year terms on ACS Council, representing the Division.

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John Whitaker (thru 02), jrwhitaker@ucdavis.edu
Marshall Phillips (thru 03), jafcaed@p3.net

Alternate Councilors

Serve 3-year terms, substituting for Councilors unable to attend Council meetings.

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George Takeoka (thru 02), grt@pw.usda.gov
Wally Yokoyama (thru 02), wally@pw.usda.gov
Charles Brine (thru 03), brinec@avebe.com

At-Large Executive Committee Members

Serve 3-year terms as part of the Division's management team.

Terry Acree (thru 04), tea2@cornell.edu
Harold Pattee (thru 04), pattee@eos.ncsu.edu
Robert McGorrin (thru 02), mcorrin@ava.bcc.orst.edu
Deborah Roberts (thru 02), Deborah.Roberts@rdls.nestle.com

Awards Committee

Chair

Stephen Nagy, snagy@citrus.state.fl.us

Student Awards

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Fellow Awards

John Whitaker, jrwhitaker@ucdavis.edu

Awards Canvassing

Lauren Jackson, lsj@cfsan.fda.gov
Roger McFeeters, rfm@unity.ncsu.edu

Cornucopia Advertising

2001 AGFD OFFICERS AND COMMITTEE MEMBERS (continued)

Coordinates advertising in the Division newsletter.
Kathy Aji, AjiK@nabisco.com

Directory

Maintains the directory of Division members.
Robert McGorrin, mcorrin@ava.bcc.orst.edu

Finance

1-year term, served by the Immediate Past Chair.
Monitors the Division's financial activities.
Michael Tunick, mtunick@arserrc.gov

Hospitality

Organizes the Spring Reception and Fall Banquet.
Charles Brine, brinec@avebe.com

Membership

Responsible for recruitment and retention of Division members.
Lucy Yu, yu@cahs.colostate.edu

Nominations

1-year term, served by the Immediate Past Chair.
Develops slate of candidates for offices.
Michael Tunick, mtunick@arserrc.gov

Publications

Explores options for publication of proceedings.
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Robert McGorrin, mcorrin@ava.bcc.orst.edu
Michael Morello, Mike_Morello@quakeroats.com
Marshall Phillips, jafcaed@p3.net

Public Relations

Publicizes the Division's activities.
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Web Site

Maintains the Division web site.
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Flavor Subdivision

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Vice-Chair
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Functional Foods & Natural Products Subdivision

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Chair-Elect
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Richard Petroski, petrosrj@mail.ncaur.usda.gov

26th National Nutrient Databank Conference

June 5-8, 2002
Pennington Biomedical Research Center,
Baton Rouge, Louisiana

Theme: Food Composition Databases:
Important Tools for Improving National Health

Pre-conference "Hands-On" Workshops for New Users, Topic 1: *Using the USDA Nutrient Database for Standard Reference* and the NDL Web site to obtain data, USDA, Nutrient Data Lab
Topic 2: *Using CSFII Food and Nutrient Intake Data*, USDA, Food Surveys Research Group

Keynote speech "*Better Nutrient Data Improves Public Health*" by Donna Ryan, MD, Pennington Biomedical Research Center, Baton Rouge, LA

Impact of New DRIs on Food Composition Databases with presentations by members of the National Academy of Sciences Macronutrient and Data Users Panels including Suzanne Murphy, University of Hawaii, Joanne Lupton, Texas A & M University and others.

26th National Nutrient Data-bank Conference (cont.)

Databases for Dietary Supplements with presentations by Janet McDonald, FDA, San Francisco and Paul Coates, NIH Office of Dietary Supplements.

Analytical methodology for Nutrient Data with presentations by Jim Harnly and Bob Pawlosky, USDA Food Composition Lab, Katherine Phillips, Virginia Polytechnic Institute and Steven Zeisel, University of North Carolina.

Updates on Nutrient Data Acquisition, Uses and Dissemination with presentations by Kathleen Koehler, FDA, Jean Pennington, NIH, Joanne Holden, David Haytowitz, Kris Patterson and Pamela Pehrsson, USDA Food Data Lab, Alanna Moshfegh, USDA Surveys group and Clifford Johnson, Director, NCHS National Health and Nutrition Examination Survey (NHANES).

International Nutrient Database Activities, with presentations by Barbara Burlingame, Editor, J of Food Composition and Analysis and scientists from Jamaica, Canada, and the U.S. Plus a Software panel, "Case Studies in Novel Uses of Database Applications",

Biotechnology, Phytochemicals, Functional Foods and Bioactive Food Components with presentations by Susan Borra, International Information Council (IFIC) and Elizabeth Jeffery, University of Illinois at Urbana.

Building and Validating Databases for Shortened Dietary Assessment Methods by Lori Beth Dixon, New York University and others. Conference summary by Abby Ershow, NHLBI.

Watch for details:

www.nal.usda.gov/fnic/foodcomp/conf/ or contact Catherine Champagne, (225) 763-2553 or champacm@mhs.pbrc.edu.

MUSSINAN'S MEMOIRS The Chicago Scenario

Would you like to know the problem with this meeting? The problem is that there were no problems. There were no power failures, bomb scares, angry attendees, or audio-visual issues. Now, on the one hand, this is a good thing. However, it doesn't make memoir writing easy. Somehow I think that everyone has contrived to fix it so that nothing goes wrong, even the ACS. How can this be? OK, OK, so it is true that McCormick Place is about the size of O'Hare, and our rooms were at the furthest point diagonally and vertically (of course you couldn't walk that way) from any buses, but still, in the grand scheme of things that's not too bad. The Division's hospitality table had a spectacular view of the lake. I suppose one could complain that the sun was in your eyes for the first hour, but even I find that a little thin. No one, except Russ Rouseff asked where the rest rooms were. The reason for this is that they were actually located between our meeting rooms (which were, unlike some places, consecutively numbered.)

Now that Sara won't let me have any say in selecting a hotel (read previous memoirs), I certainly can't complain about that. In fact, since she lives in Chicago in the luxurious Lake Point Tower, a hotel wasn't even an issue. We stayed at her place on the 32nd floor. It was great! Nothing memoir-worthy there.

Meeting attendance was mediocre and banquet attendance was poor, but since it was family style, that just meant more for those of us that did go. The food, by the way, was great. If I have to drum up a complaint, it was that the restaurant mistakenly did not have a full bar for our cocktail hour. Sara immediately recognized this when she saw that I didn't have a scotch!

With all of that said, it doesn't mean that I can't think of a memoir to write (note half the page is gone already). The fact is, I believe I have uncovered a conspiracy. Division members will no longer tell me anything for fear that it will appear on these hallowed pages. A perfect example of this is Peg Havekotte (who will kill me for writing

MUSSINAN'S MEMOIRS (continued)

this!) You remember Peg, of Greek mo-ped fame? If not, consult the AGFD web site for the story in an earlier Cornucopia. Anyway, Peg took one look at my Cornucopia pin and accused me of having a hidden microphone. She's not the only one. I was explaining to our illustrious chair, Mike Tunick, that I had to stop and get a "thingie" (that's what they called it) so that I could wear my badge case around my neck (women's clothes don't always have pockets suitable for badge cases). I pointed out to Mike that I had to tie one end of it on. Mike thought that I actually had a miniature camera in my aglet! Did you ever hear of an aglet? Aglets are, apparently, those things at either end of a shoelace (or a badge holder thingie). So, the bottom line is that there isn't much to write about when the meeting runs like clockwork and everyone is afraid to talk to me. I thought people were supposed to enjoy seeing their names in print. Oh well, perhaps there will be a hurricane or something in Orlando! Until next time...

P.S. My spell check doesn't know what an aglet is either. I'll have to go to Webster's when I get home!

JAFc at FIFTY

This year, 2002, is the 50th anniversary year for *JAFc*. The journal's 49th year, 2001, set the stage most appropriately. A thorough monitoring of *JAFc*, conducted by the American Chemical Society, concluded that "the journal received very high ratings from readers and authors, and results indicate the journal has a healthy and loyal readership and a strong relationship with authors...The journal received its highest ratings for overall scientific quality...." This was based upon surveys returned by readers and authors.

In August 2001 the journal's turnaround time was 16 weeks from receipt to acceptance, and 27 weeks from receipt to print. These are among the lowest numbers for the journal's fifty years, although

number of pages published has increased by over five-fold compared with 1953. As has been the case for some time, over two-thirds (66.73%) of the manuscripts are from outside the U.S. and Canada, supporting the journal's international stature.

Beginning with this first issue of 2002, *JAFc* has introduced a new cover and a more modern interior layout designed to make it more "reader friendly." There will be two issues per month beginning in January 2002—a first for this journal. Also beginning in January, the journal will begin receiving manuscripts and routing them for review and revision electronically. Already all of the Journal's archives are available electronically (in pdf format) back to April 1953, and a web version of the journal became first available in 1998. The web posting of manuscripts makes them available to the public an average of 6 weeks before the print version appears.

For the remainder of this anniversary year, we will publish invited "visioning" articles, which will address the current and coming trends in agricultural and food chemistry. The histories of the two ACS divisions, Agricultural and Food Chemistry and Agrochemicals, will be published. We are also planning an event at the ACS National Meeting in Boston (August 18-22, 2002) for readers, authors, reviewers, and Advisory Board members to celebrate the anniversary together.

I am pleased to acknowledge the contributions made by members of the Advisory Board, Irv Lieber and other past Editors of the journal, our Associate Editors, Marshall Phillips, John Finley, Russell Molyneux, and Willis Wheeler, and the excellent staff in our Editor/Associate Editor's offices and at ACS headquarters.

Happy Anniversary and Happy New Year!

James N. Seiber
Editor

AN INVITATION TO JOIN THE AGRICULTURAL AND FOOD DIVISION OF THE ACS

The Ag&Food division consists of over 2500 members sharing an interest in building technical, business and personal ties to others in the scientific community. The division sponsors technical symposia at national ACS meetings, publishes meeting proceedings, holds topical workshops, publishes a newsletter, and hosts social gatherings at the national meetings. Our newsletter, **The Cornucopia**, describes the recent activities and future programs of the division. At ACS National Meetings you can discuss division activities with other members at a hospitality table located near the Ag&Food symposia conference rooms.

Join the Ag&Food Division using the form below or on the ACS web site: www.chemistry.org (click on ACS Members, then on Join a Division).

APPLICATION FOR MEMBERSHIP TO THE AGFD DIVISION (7623P)

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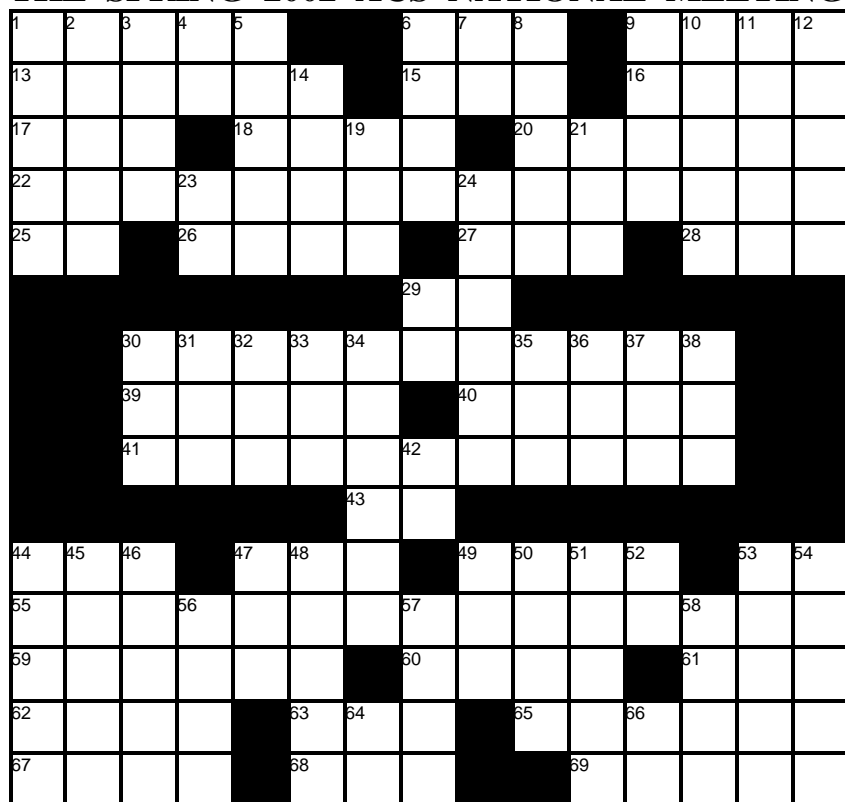
I am an ACS member and wish to become an Ag&Fd member (\$5.00)

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I am a full time student and wish to become an Ag&Fd member (\$2.00)

Return application with payment to the Ag&Fd membership chair:
Dr. Lucy Yu, Food Sci Dept, 230 Gifford Bldg, Colo. State Univ, Ft Collins CO 80523

THE SPRING 2002 ACS NATIONAL MEETING



ACROSS

- 1 silly
6 letter after upsilon
9 circle segments
13 convertible
15 ovum
16 unaided
17 IR sample cell type
18 access controller
20 reveals knowledge of
22 American _____
25 element 99
26 addict
27 pidgeon sound
28 tire trouble sound
29 prefix meaning '2'
30 Orlando idol
39 father of GC open tubular columns
40 angry
41 30-down employees

- 43 ____-50
44 start of a series
47 color
49 aux. position
53 turn__ or catn__
55 _____ symposium, a spring AgFd event
59 more Al than Al
60 Jack Spratt preference
61 literary monogram
62 bakery worker
63 nothing
65 bread spread
67 51-down location
68 NYC art school
69 the last of 9

DOWN

- 1 meal preceder
2 vows
3 many a boss

- 4 1/3 of a yd
5 Berra and Bear
6 fruit skin
7 thermometer fluid
8 arctic abode
9 ____ Spumante
10 blooms amid thorns
11 coagulates
12 some televisions
14 control
19 feather accompaniment
21 environmental prefix
23 meson type
24 Mon. nite at ACS Nat'l Mtg
29 29-across homonym
30 41-across employer
31 a ripe old age
32 Venetian 155
33 Hawaii's Molo____
34 place for a lace
35 scrap

- 36 Egypt at one time
37 RR depot
38 some RIT grads
42 Wood played by J. Depp
44 farming school student
45 brain surgery pioneer
46 tends
47 owed
48 stories
49 enzyme suffix
50 pierce
51 daybreak
52 wide receiver objective
53 small map within a large map
54 ____dactyl
56 gossip
57 tuneful Fitzgerald
58 question for Brutus
64 OR tube
66 element 52

A prize to the first to fax a solved puzzle to: Carl Frey at Pepsi-Cola R&D (914-749-3329)
Congratulations to Mike Auerbach at Danisco Cultor, winner of last issue's coveted prize.