

NEWSLETTER

AChemS Association for Chemoreception Sciences

fostering chemical senses research and understanding smell and taste in health and disease

AChemS World Wide Web Site:
<<http://www.neuro.fsu.edu/achems>>

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In This Newsletter You Will Find:

- *Comments from the Executive Chair, Thomas Scott*
- *Minutes of the Executive Committee Meeting, Nov. 30, 1997*
- *Highlights of the Schedule for AChemS XX, April 22-26, 1998*
- *Special Events at AChemS*
- *Description of the Directory of Chemical Senses Training Programs and Application Form*
- *Ballots for AChemS Officers*
- *Call for symposia at AChemS XXI*
- *Positions Open*

Deadlines/Events in 1998:

- ***April 22-26, 1998: AChemS XX***
- ***July 1: Items for Fall 1998 Newsletter due***

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The AChemS Newsletter is published twice a year. Those interested in publishing in the Fall 1998 Newsletter should submit material by July 11998 to: Dr. Sarah K. Pixley, Dept. of Cell Biology, University of Cincinnati College of Medicine, PO Box 670521, Cincinnati, OH 45267-0521; Tel: (513) 558-6086; FAX (513) 558-4454; email: sarah.pixley@uc.edu

ACHEMS EXECUTIVE CHAIR'S COLUMN

SPRING 1998 NEWSLETTER

THOMAS R. SCOTT

1997-98 has been the year without a winter in the northeast. In Delaware, snowdrops probed for snow, then dared to emerge in January; crocuses, forsythia and myrtle are in full bloom on this, the last day of February, and my wife was heard encouraging doubtful daffodils this afternoon. Bodies of undergraduates litter the University's mall a full month in advance of sunning season at this 40th parallel. It feels closer to the annual meeting than it is.

THE MEETING. This will be AChemS XX, the end of our teenage years. Gail Burd and the Program Committee members have organized a fast-paced and varied meeting, straining, as we do increasingly each year, to fit it into a 4-day period while minimizing concurrent sessions and leaving afternoons open to enjoy Sarasota and one another. As you will see from Gail's entry in this newsletter, the term "open" applies only in the formal sense that there are no slide or poster sessions--if you clone olfactory receptors, want to learn more about NIDCD, have a clinical bent, seek career information, or swing a good bat, your afternoons will be spoken for. The competition for meeting time is particularly keen this year because, in addition to continuing the recent institution of an awards symposium, we will have a pair of special lectures by Giles Laurent and Linda Bartoshuk, and Max Mozell will remind us of our origins in a twentieth anniversary celebration address. The science will be good, the mood festive, and the weather, El Nino willing, reliable.

THE NIH. We have received the welcome news that our NIDCD grant (Barry Ache, PI) has been renewed for five years. This will allow us to continue to enrich our meetings with educational programs, and diversify them through travel support for minority colleagues and ECRO members. These funds also permit us to sponsor workshops and special events, though DCD has not yet seen its way clear to supporting softball or wine tasting.

In Sarasota, we will hear from Jim Battey, Director of NIDCD, on the state of funding in the chemical senses. That state, of course, is unexpectedly healthier than we had feared only two years ago when the born-again 104th congress was wielding its axes. Be thankful for the economy, especially for capital gains taxes that have helped transform Washington from red to black and permitted legislators to begin thinking expansively again. Our profession is one of expansion.

The reorganization of Initial Review Groups (IRG's) has been on our minds since ISOT. Mike Meredith, Charlie Greer and I sent an AChemS viewpoint to Elie Ehrenfeld, suggesting the creation of an IFCN-X study section for the chemical senses. It was as persuasive to Dr. Ehrenfeld as the thoughtful recommendation to the same effect made by

members of the Work Group on Peer Review last September. In truth, the chemical senses generate only about a third the number of proposals that an IRG would normally handle. Thus, many of us will join pain and somatosensation in Integrative, Functional and Cognitive Neuroscience (IFCN)-4. While less than ideal, these are more suitable bedfellows than were speech and language in the former CMS. Recognizing the inevitable, I followed up with Dr. Ehrenfeld, arguing that the chemical senses should have seven members on IFCN-4 and offering some 40 nominees from our ranks. Her response asked me for three, which I supplied. Other AChemS members may be drawn to IFCN-1 (emotion and motivation, including feeding), to several of the study sections serving Molecular, Cellular and Developmental Neuroscience (MCDN 1-7), or even to a couple of IRG's within Brain Disorders and Clinical Neuroscience (BDCN 1-6). Nor should we forget that the NSF will do quite well in the FY99 budget, or that Howard Hughes was a very wealthy man.

CHEMICAL SENSES. You gave a robust and affirmative response to the referendum on our relationship with Oxford University Press. There were 198 ballots returned, and the question of whether we should renew our obligatory subscription to Chemical Senses, with the option of an electronic version in lieu of paper, carried by 177-21. OUP is gratified--to the point of providing partial sponsorship of the reception following Max's lecture--and has made a corresponding offer to Hans Hatt of ECRO and Hisashi Ogawa of JASTS. We may have found a means of increasing CS's distribution, along with which quality often follows.

DUES. You will notice that AChemS dues remained stable at \$45 this year. We were able to avoid an increase because three factors came together: (i) ISOT turned a handsome profit that offers us a financial buffer, (ii) registration fees have risen to reflect the true cost of holding our annual meeting, and (iii) Susan Lampman of Panacea Associates has negotiated a favorable contract with the Hyatt whereby we would not be responsible for paying a large penalty if we were forced to cancel a meeting. This means that the normal criterion for an association's reserve--sufficient to cover a failed meeting--is more modest than it otherwise would be.

LOSSES. A year characterized by continued scientific progress and brightening prospects for support held three moments of sadness. Since ISOT, we have lost Masayasu Sato, Sadu Takagi and John Amooore, all intellectual founders of our discipline. I have written letters of condolence to each of the families on behalf of the AChemS membership.

Highlights of the Program for AChemS XX

Sarasota Hyatt Hotel, Sarasota, Florida

Wednesday, April 22 (5:00 P.M.) through Sunday, April 26 (11:00 A.M.)

Gail Burd, Chair of the Program Committee

Members of the Program Committee: John Caprio, Tom Finger,
Barry Green, Sue Kinnamon, Michael Leon, and Leslie Tolbert

AChemS XX Logo Design

The winner of the AChemS XX logo design is Patricia Di Lorenzo. You will see this design on the Abstract book and the AChemS T-shirt. Congratulations Pat, on a clever and fun design.

WEDNESDAY, APRIL 22

Registration (5:00-7:00 P.M. and mornings during the meeting)

The registration desk in the Long Boat Room will be open April 22 from 5-7 P.M. and in the morning throughout the meeting.

Opening Buffet (6:30-8:00 P.M.) and Morning Coffee and Pastry (beginning at 7:00 A.M.)

As in previous years, the meeting will begin with a complimentary buffet dinner. This will be followed at 8 P.M. by the Awards Ceremony and the Givaudan-Roure Lecture. In addition, every morning a limited number of pastries will be available along with juice and coffee.

Givaudan-Roure Lecture (8:00 P.M.)

Christine Petit from the Institut Pasteur in Paris will give the Givaudan-Roure Lecture this year. The title of Dr. Petit's lecture is "The X chromosome-linked form of Kallmann syndrome: An early developmental defect of the olfactory system".

Student Travel Fellowship Meeting (9:30 P.M.)

Students who have received travel or housing awards from AChemS must attend an organizational meeting with Joel White and Alan Nighorn. The meeting will follow immediately after the Givaudan-Roure Lecture in the same lecture room. Joel and Alan will discuss the duties of projecting slides and monitoring the lights. If you have questions, please contact Joel <jwhite@opal.tufts.edu>.

THURSDAY, APRIL 23

Slides: Taste Physiology: From Receptor Cell to Brain (8-9:30 A.M.)

Posters: Olfactory Receptor Structure
Structural Studies of Central Olfactory Pathways
Human Taste and Oral Chemesthesis

Mosquito Olfaction Symposium (9:45-12 A.M.)

Most AChemS members were unable to attend the Ciba Foundation symposium on mosquito olfaction that was organized and chaired by John Hildebrand in London two years ago. While the proceedings of the Ciba Foundation symposium have been published (Olfaction in Mosquito-Host Interactions, Ciba Foundation Symposium 200. 1996. eds., G.R. Bock and G. Cardew, John Wiley and Sons, New York), several members requested that John organize a symposium on this topic for AChemS. The lectures will be presented by: Willem Takken ("Differentiation in the behavior of anthropophilic and zoophilic malaria mosquitoes in response to host odors"), Martin Geier ("Olfactory host finding of yellow fever mosquitoes: Exploring the attractive odor blend and the effect of odor plume structure on upwind flights"), Alan Grant ("Electrophysiological investigations of sensory neurons involved in mosquito host-seeking behavior"), John Carlson ("*Drosophila*, a model system for the study of mosquito olfaction"), and Laurence Zwiebel ("A molecular characterization of olfaction in the malaria vector mosquito, *Anopheles gambiae* s.s.").

Open Discussion on Cloning Olfactory Receptor Genes (1:00-2:30 P.M.)

Peter Mombaerts will lead an open discussion on cloning and sequencing the olfactory receptor gene family. Anyone interested in this topic is invited to participate in the discussion.

Educational Outreach Workshop: Teacher/Scientist Connection (3:30-5:30 P.M.)

This year the educational outreach workshop will emphasize building relationships between high school teachers and chemosensory scientists. Sarasota-area science teachers and AChemS members are invited. The program will

begin with a presentation by Ken Kubo, program director of the BIOTECH Project in Arizona which brings molecular biology lab activities to high school classes. He will speak on ways scientists can assist teachers and become involved in improving science education in their own communities. This will be followed by a discussion of topics of interest to both teachers and scientists including setting up student/scientist mentorships, how to make scientists available to local science teachers, and ideas for simple demonstrations on the chemical senses that can be performed in the high school classroom. For further information, please contact Christine Byrd (616-387-5843 or christine.byrd@wmich.edu).

Industrial Reception (5:30-7 P.M.)

As in the past, there will be an Industrial Reception. This event has been organized by Grant DuBois and is open to all interested participants who purchase a ticket. Tickets will be available through pre-registration or at the registration desk during the meeting.

Slides: Human Olfaction (7-9 P.M.)

Posters: Physiology of Central Olfactory Pathways

Special Lecture on the History of AChemS in Honor of AChemS XX (9:15 P.M.)

Max Mozell will deliver a special lecture on the history of AChemS.

AChemS XX Social (10 P.M.)

Immediately following Max's presentation, there will be a social event sponsored by AChemS and Oxford University Press.

FRIDAY, APRIL 24

Slides: Coding in the Olfactory System (8-9:15 A.M.)

Special Lecture on Olfactory Coding (9:15-9:45 A.M.)

Gilles Laurent will speak on "Spatio-temporal codes for odors in oscillating neural assemblies".

Slides: Olfactory Receptor Cells: Functional Aspects (10-12 A.M.)

Posters: Taste in the CNS: Structure and Function

Human Olfaction and Nasal Chemesthesis

NIH Grant Review Workshop (1:30-3:00 P.M.)

Jack Pearl from NIDCD will chair a workshop on NIH funding mechanisms and the review process. Participating in the workshop from NIH are: Judith Finkelstein, Craig Jordan, and Laurence Stanford. For additional information about the workshop, see the listing submitted by Jack that appears later in this newsletter.

Annual Smell vs Taste Softball Game (3-5 P.M.)

We are a congenial group of scientists who help one another and often collaborate across disciplines. But for the softball game, it is the noses against the tongues (and the taste team won the last two years). John Caprio is organizing the softball game and recommends that you start stretching your muscles now to get in shape for this important event. Be sure to bring your best equipment (gloves and bats); if you have extra gloves, especially if you are driving to the meeting, please bring them. Team T-shirts with the winning AChemS XX logo (designed by Patricia Di Lorenzo) and in two different colors will be available for purchase at the meeting. We plan to provide van or bus service to the softball field for those without their own transportation.

Slides: Human Taste Perception (7-8:15 P.M.)

Special Lecture on Taste Psychophysics (8:15-8:45 P.M.)

Linda Bartoshuk will speak on "From sweets to hot peppers: Genetic variation in taste and oral pain".

Slides: Chemical Communication (9:00-10:30 P.M.)

Posters: Life and Death in Taste Buds

Development and Plasticity of Central Olfactory Pathways

Vomeranasal, Nervus Terminalis, & Trigeminal Pathways: PNS Mechanisms

SATURDAY, APRIL 25

Slides: Factors in PNS Development and Plasticity (8-9 A.M.)

Developmental Mechanisms Symposium (9:15-11:30 A.M.)

This symposium, organized by Gail Burd and Leslie Tolbert, will focus on mechanisms involved in sensory system development. The speakers for this symposium are: Connie Cepko ("Extrinsic and intrinsic cues that affect the development of vertebrate photoreceptors"), Scott Fraser ("Animating developmental neuroanatomy"), and

ACHEMS EXECUTIVE COMMITTEE MEETING

NOVEMBER 30, 1997, NEW ORLEANS, LA

The meeting began at 12:15 p.m. Thomas Scott, Executive Chair, presided. Present were: Gail Burd; Charles Greer, Diego Restrepo, Sue Kinnamon, Sarah Pixley, Mike Meredith, Tim Gilbertson, and April Mott.

The minutes of the July 1997 Business and Executive Committee meeting minutes (appeared in the Fall Newsletter) were approved.

Report of the Executive Chair (Thomas Scott):

ICOT representation: As per an Executive Committee meeting decision made by email conference, the new policy is that the two AChemS representatives (junior and senior) to ICOT (International Commission on Olfaction and Taste) will serve a maximum of eight years. The timing will vary from 7-8 years, depending on the timing of the American-hosted ISOT. Barry Ache has been the Chair of ICOT since ISOT was last hosted in the U.S., and will rotate off. Thomas Scott asked Judy Van Houten to be the next representative and she accepted. Judy will be the new, junior person, while Charlotte Mistretta will be the senior representative.

Affiliation with the Dana Alliance: AChemS will continue to maintain an affiliation with The Dana Alliance for Brain Initiatives. The Dana Alliance is a nonprofit organization of more than 170 pre-eminent neuroscientists dedicated to advancing education about the personal and public benefits of brain research. The Alliance has organized Brain Awareness Week, a nationwide effort to promote the public and personal benefits of brain research. The Dana Alliance is joined in this effort by partners from the National Institutes of Health, academic research institutions, professional scientific organizations, and volunteer agencies from across the country. Brain Awareness Week will be March 17-23, 1998. For information about the Dana Alliance and Brain Awareness Week, see www.dana.org.

AChemS officially agreed to participate in Brain Awareness Week as of Aug. 25th, 1997, when Tom Scott contacted the Dana Alliance. Members of AChemS are encouraged to participate in this week and to share their ideas with AChemS in general. Members of AChemS are asked to

notify the Alliance that they are participating as a part of AChemS, and to notify Bob O'Connell (AChemS Public Relations) of their plans. A notice describing Brain Awareness Week and the Dana Alliance association will be written with the help of Gail Burd and Mike Meredith and will be placed on the web.

Editorial staff of the Chemical Senses Journal:

A new policy was been instated (after an Executive Committee email vote) that Editors will henceforth serve four years. There are 12 North American editors so 3 will be replaced each year. Nominations will come from the Executive Editors of Chemical Senses and the Executive Committee. Nominations from members in general can be channeled through the Executive Committee. Editors will be chosen by a vote of the Executive Committee. Nominations must be received by March so that approvals will be made at the April Executive Committee meeting. Editors will assume their duties the following January. Executive Editors will serve six-year terms, with replacement of one every three years. Nominees will come from the US Executive Editors of Chemical Senses and the Executive Committee, with suggestions from the AChemS members again funneled through the Executive Committee. The vote will be as for editors.

Currently, Max Mozell needed to be replaced as Executive Editor. Barry Ache was nominated and voted on by email. Tom Scott asked Barry to serve, and Barry agreed. Tom Finger will help Barry ease into the job when Barry assumes his duties on January 1, 1998.

Three editors must be replaced this January 1, 1998. Tom Finger asked that the Executive Committee review the current editors, make suggestions and vote by email by January 1. To facilitate the vote, Tom Finger will send Tom Scott a list of those rotating off, with his own (TF's) suggestions for replacements.

Addendum: The new editors are: Dave Smith, Robert Margolskee, Linda Buck.

American Psychological Summit meeting:

The Executive Committee approved a plan introduced by Tom Scott to send two representatives to the American Psychological Summit meeting. It is

important to promote the chemical senses at every opportunity. Tom Scott offered to go and suggested Linda Bartoshuk as the second, if she will accept. Both are from a psychology background and supportive of the chemical senses. AChemS will not pay for the meeting expenses for these trips.

Payments to ECRO for ISOT: AChemS encumbers \$1,000 per year towards the international ISOT meeting. Suggestions from Barry Ache and ICOT were that AChemS pay ECRO, now, the entire amount that we will eventually owe (\$4,000). In previous years, none of the member organizations of ISOT have paid their ISOT dues until the time of the meeting. Thus, it was a change in policy when earlier this year the Executive Committee decided, by an email vote, to send payments of \$1,000 per year to ECRO until the next ISOT. The first payment was sent just after ISOT. The Executive Committee voted to retain this policy and rejected the suggestion to provide the entire amount now.

AChemS audit: At the last Executive Committee meeting, an audit was discussed because at that time the University of Florida was requesting yearly audit reports from NIH subcontractors receiving over \$25,000 annually. AChemS is a nonprofit subcontractor of the University of Florida, and the funds in question are those from the NIH grant (Barry Ache is PI) for symposia, educational outreach, minority travel fellowships, and clinical fellowships. However, the Executive Committee was reluctant to do this because an audit was estimated to cost between \$1,000 and \$2,500. The treasurer called the University of Florida, and the grant PI, Barry Ache, and they found that the University would accept a statement that no audit was available. Also, the University's rules for subcontractor audits were changing. As of October 1997, they would require audits only of organizations receiving over \$300,000 (which does not include AChemS). The University's opinion was that if AChemS had not done an audit by October, it would not be necessary in the future. Thus, although we have not satisfied the letter of the requirements for previous years, we will not be required to

Piali Sengupta ("Development and function of the olfactory system in *C. elegans*"). Leslie will chair the session and will be assisted during the discussion by Monica Vetter and Christopher Nosrat.

Posters: Clinical Taste, Olfaction, and Chemesthesis
Taste Peripheral Mechanisms

Annual AChemS Business Meeting (11:30-1:00 P.M.)

Tom Scott, Executive Chairperson of AChemS, will chair the business meeting. The meeting will include a short address from Dr. Jim Battey, Director of NIDCD. The business meeting is open to all members of AChemS. Contact Tom Scott if you items for business meeting.

Clinical Luncheon (1:00-3:00 P.M.)

The Clinical Luncheon was organized by Daniel Kurtz. Barry Green and William Cain will discuss "Clinical Aspects of Trigeminal Chemoreception". Tickets will be available at the registration desk.

Panel Discussion on Careers in the Chemical Senses (3:30-5:00 P.M.)

Michael Meredith will lead a panel discussion that will include AChemS members with careers in academics, government and industry. The panelists will present a short summary about their career paths and then the session will be open for questions from the audience.

Wine Tasting (5:00-6:45 P.M.)

Following our tradition of the last several years, a wine tasting will be held during the AChemS meeting. In addition to a cover charge and the cost of a light dinner, admission to the tasting will require a bottle of your favorite wine. Purchase your tickets early because participation is limited to 100 people. Tickets will be available through pre-registration or at the registration desk during the meeting. Any questions can be directed to the organizers, Jack Kinnamon and Charles Greer.

Awards Symposium (7:00-9:00 P.M.)

Winners of the AChemS awards, announced the first evening of the meeting before the start of the Givaudan-Roure Lecture, will present lectures on their research.

Slides: Human Chemesthesis (9:15-10 P.M.)
Posters: Olfactory System: Peripheral Mechanisms

SUNDAY, APRIL 26

Slides: Plasticity in the Olfactory Epithelium (8-9:30 A.M.)
Physiology of Central Olfactory Pathways (9:45-10:45 A.M.)
Posters: Chemical Communication
Gustatory Behavior and Psychophysics

IMPORTANT INFORMATION FOR POSTER AND SLIDE PRESENTERS

Size of the poster boards: 68.5 inches wide and 46.5 inches tall. The poster sessions will be held in the Hernando Desoto Ballroom. Posters should be put on the appropriate board (as indicated by the number in the program book). Posters for morning sessions should be posted before 8 A.M. and should be removed by 3 P.M.; posters for the evening sessions should be posted by 6:30 P.M. and must be removed by midnight.

Time allocated for slide presentations: 10 minutes with 5 minutes for discussion. A slide projector and overhead projector will be available in all slide sessions. Any additional AV equipment must be arranged in advance and the rental charge must be paid by the presenter. Slide sessions will be held in the Sara Desoto Ballroom.

AChemS Program on the Internet

The complete AChemS program will be placed on the AChemS web site early in March

<<http://neuro.fsu.edu/achems/>>. AChemS members in the United States will receive a copy of the program book prior to the meeting; the abstract book will be available at the meeting. Some presentations have been switched from slides to posters and vice versa to improve the program and finish the meeting by late Sunday morning. Be sure to check the AChemS web page or program book, especially if you do not receive the programming postcard, to confirm the format of your presentation.

resolved. This would also be advisable to allow a more complete representation of the Committee.

Another budget issue discussed was that the funds listed by Kathy in the Fall '97 Newsletter included all the AChemS assets. There are no hidden funds (see secretary's addendum for another type of analysis). The last issue discussed was a reimbursement policy suggested by Kathy Hamilton in her report. However, because so many had difficulties receiving this file, discussion was not possible. (Tom Scott sent hard copies of Kathy's report to the Executive Committee after the meeting.)

Panacea contract: The Panacea contract has been renewed and signed and will be sent to all Committee members. Panacea has again negotiated with the Hyatt to get a very favorable 30% off the normal room rate, with inflation at the consumer price index, which is lower than the usual 6% per year given by most hotels. The bottom line is basically the same as before. The Panacea contract was negotiated at the ISOT meeting by a subcommittee of Judy Van Houten, Charlie Greer and Tom Scott, who were chosen and empowered by the Executive Committee. (Copies of the Hyatt hotel contracts through the year 2000 were sent after the meeting to all Committee members.)

*Addendum from the secretary: In the last newsletter, Kathy Hamilton gave the total AChemS assets as \$111,308. This included the budgeted amounts shown in the newsletter plus a savings account. This total includes a reserve amount of at least \$50,000, held in a savings account and certificate of deposit. Certain funds are reserved. To allow analysis of the reserve, Kathy has provided the update below.

As of November 28, 1997, AChemS had the cash assets outlined below. Most ISOT-related bills had been paid, but AChemS had not yet received any of the ISOT-related income anticipated from Claire Murphy and Charlie Greer. Little membership or conference income had been collected for the 1998 calendar year, and few 1998 membership and conference expenses had been incurred.

Master Checking Account	\$52,333.40
Reimbursable Account	\$6,365.40
(managed by Panacea Associates)	
Savings Account	\$43,239.60
Certificate of Deposit	\$10,000.00
TOTAL	\$111,938.40

Less reserved funds, as follows:

NIH symposia, publications, fellowships	-\$35,974.71
AChemS conference emergency fund	-\$50,000.00
ISOT 2000 outstanding payments	-\$3,000.00
BALANCE	\$22,963.69

Since November 28, 1997, AChemS has reimbursed ISOT speakers for \$4,915 conference fees and it has received \$4,500 from Charlie Greer's NSF grant for reimbursements. No funds have been received from Claire Murphy, but \$24,286 has been promised to AChemS.

Secretary's Report (Sarah Pixley):

The Panacea contract will be kept by the secretary and passed on to future secretaries, because it outlines the responsibilities of the secretary with respect to the newsletter. S. Pixley will set up a Policy Log before the spring meeting that will list policy decisions made at meetings, or by telephone, mail or email correspondence. This log, not compiled previously, will serve as a guideline for making changes. Maintaining this log will be one of the duties of the secretary, as decided by the previous Executive Committee.

Membership Report (Michael Meredith for Rich Costanzo):

Michael Meredith presented the membership report for Rich Costanzo who was in Japan. Current membership statistics were presented and discussed. As of October 21, 1997 there were 426 regular, 127 student, 2 emeritus, and 2 corporate members for a total of 557. 1996 membership was 601 (481 regular, 115 student, 2 emeritus, 3 corporate).

Program Report (Gail Burd):

The symposia for the spring meeting are listed in the fall newsletter. The elements of the spring meeting will remain basically the same. To celebrate the anniversary there will be a special lecture by Max Mozell on the history of AChemS. Following this, to additionally celebrate the anniversary, the program will include special lectures proceeding two slide sessions. One lecture will be one on taste by Linda Bartoshuk and another will be by Gilles Laurent on olfactory coding in the insect brain. The Committee members expressed interest in publishing these lectures and the ensuing discussion. The

appropriate Committee members will look into this. Other features of the meeting will be the usual opening banquet and an Awards symposium. Also, for students and postdoctoral trainees there will be a special career panel discussion that will include representatives from industry, government and academics. Mike Meredith has agreed to chair this session. The Educational Outreach will be different. It will occur during one afternoon of the meeting, rather than before, and will include a special speaker. There will be the usual minority and clinical fellows luncheons. Grant Dubois will arrange an Industrial event. There will be the usual softball game. Also, there will be a contest for the T shirt design for this special anniversary year. There will be wine tasting and a social after the Anniversary talk, organized by Jack Kinnamon and Charlie Greer (see notice later on in the newsletter).

Additional housing for the meeting was discussed. It was presumed that this would, as usual, be in the Holiday Inn. The Committee did not feel that there was sufficient demand for additional housing at this time to warrant negotiating a new contract with another hotel. AChemS has reserved the following number of rooms in the Hyatt: 60 on Tuesday, 250 on Wednesday and Thursday, 240 on Friday and 200 on Saturday. In regard to industrial exhibitors, Gail Burd was reminded that the Executive Committee had previously designated the Program Chair as the one in charge of all aspects of this, and that they could appoint someone to do the required work. The Committee reiterated that AChemS would not guarantee security nor get involved in any other security issues for the exhibitors.

Councilor's Report (Tim Gilbertson):

The form for accepting training programs that will be listed on the AChemS website has been completed and is in the fall newsletter and on the web.

Awards Chair (Charlie Greer, President Elect):

The awards committee is an ad hoc committee whose members have usually served for two-year terms. The 1997 committee consisted of Bill Cain and Randy Reed (first year for both), Al Farbman, and Beverly Cowart (second year for both). Charlie Greer will appoint new members this year. At the ISOT meeting, a new senior award was instituted, with some discussion of funding provided by AChemS,

present them with an audit in future years unless we expand. Therefore, at that time, a decision was made by Tom Scott not to conduct an AChemS audit. Most of the Executive Committee members agreed with the decision. The other reasons for doing an audit are to provide information for the AChemS membership. No members have suggested that they have concerns over use of AChemS funds. The Committee recommended that in the future, an audit would be authorized if there were any significant concerns expressed by the membership.

Contract with OUP: The dues invoice mailing (sent the first week of December 1997) included the ballot to the membership concerning the mandatory subscriptions to the Chemical Senses Journal (CS) and the contract with Oxford University Press (OUP). AChemS will be bound by the results if there are more than 100 responses. The issues with the Journal Subscription, other than those discussed on the ballot, are the considerable work required on the part of AChemS officers and Panacea. Possible solutions were discussed, but these involved monetary solutions (see dues discussion). The Executive Committee therefore decided to table discussion until receipt of the ballot and settlement of other monetary issues.

Dues Invoices: The policy instituted at ISOT was to send the dues invoice as a separate mailing, but allow dues to be sent with the abstract. There was discussion as to whether the invoices were originally meant to go in the Fall newsletter. However, the fact is that dues invoices were sent with both the newsletter and as a separate mailing. This arrangement may have caused some confusion. Therefore the Committee recommended that a new arrangement be considered, discussed and voted on at the spring Executive Committee meeting. One arrangement suggested was a separate mailing of dues invoices during the first week of December, with only a reminder in the fall newsletter to alert members to watch for the dues invoice in December. The dues must be sent in before or with the abstract, because this tells the Program chair data who is officially a member. It was noted that the membership chair, not the Program chair, is responsible for sending the invoices and for ensuring that members pay their dues in a timely fashion.

Publication costs for symposia: The AChemS budget has \$9,500 set aside to cover publication of symposia in the Chemical Senses Journal (CS). An amount of \$5,500 is encumbered for the 1995 symposium organized by Barbara Talamo and for the 1996 VNO symposium organized by Mike Meredith. Neither has been presented to the publisher yet although Mike's material is almost complete. The page charge negotiated for these symposia is \$70 per page. The page numbers, currently estimated at 37 for the '95 and 25 for the '96 symposia, are lower than expected and would cost \$4340 at the \$70 per page rate. The invoices will not be sent to Kathy Hamilton or paid until publication is completed, so we will not know about savings until then. The remainder of the encumbered funds will be set aside to publish the final year's symposia in the year following the end of the grant, if it is not renewed.

In regard to the death of our esteemed colleague Dr. Takagi, Rich Costanzo (who was in Japan at the time) communicated with Tom Scott to discuss an appropriate message of condolence. Rich sent a telegram from Tokyo expressing regrets to the family, and Tom drafted a letter that was mailed to Dr. Takagi's family and to the head of JAST.

Treasurer's report (Kathryn Hamilton was not present):

The Treasurer's report was sent by email to all Committee members before the meeting, but many could not open the file. A \$25,000 profit is estimated for ISOT, but the numbers are not yet firm because some charges are outstanding and none of the income handled by Claire Murphy and Charlie Greer has been passed on to AChemS by their universities. Kathy Hamilton had projected the budget through the end of the fiscal year (June 30, 1998) and conservatively estimates that if the NIH symposium/fellowship grant, ISOT income, and ISOT expenses are excluded from consideration, there will be a \$1,000 to \$5,000 deficit for the 1998 membership and 1998 conference categories. The Executive Committee discussed the standing policy that AChemS will maintain a surplus of the funds necessary to cover one AChemS meeting (approximately \$50,000). Tom Finger had mentioned to Charlie Greer, that the AChemS Executive Committee had previously decreed (when TF was treasurer) to additionally reserve sufficient funds to

cover one complete ISOT meeting. The Committee felt that this would be very difficult and unnecessary at present. Mike Meredith noted that Panacea had negotiated the hotel agreement for the AChemS meeting, so that we will not be charged the full amount if the meeting were cancelled with sufficient notice. Thus, the potential for loss of money if an AChemS meeting is canceled is reduced. Other than a canceled meeting, another catastrophic possibility is that the NIH grant might not get renewed. This grant money (around \$47,000) funds, among other things, symposia and the minority and clinical fellowships. So with \$50,000 set aside, we could cover one of these two catastrophes. The Committee will continue the policy that AChemS will maintain a surplus of \$50,000 and this will be considered in adjusting dues.

Membership dues: After discussing the budget, the Executive Committee felt that it was not necessary at this time to raise dues. However, Mike Meredith reiterated that almost as much is spent on each individual member than is taken in by dues, sometimes more in the case of foreign members. Although dues originally subsidized the meeting, this is no longer the case. Currently dues are \$45 per person and there have been difficulties in getting everything paid for and remaining within budget. Thus, the Committee was advised that it would be necessary to increase dues sometime in the near future. Another item that may influence dues is that Panacea does significantly more work now that they have to handle the CS subscription matters. Costs for this are not in the current Panacea contract. One way to handle this is to charge a fee (i.e. \$5) of members to cover the costs. The Committee discussed the fact that the ballot on the CS subscription issue will affect all of these issues. The current dues amounts are \$45 for regular members. The CS subscription is \$55, bringing the total dues amount to \$100. The registration fees for the spring meeting (listed in the last newsletter) are \$180, 75, 75, 225, 100 for members, student members, participants, non-members, non-member students, respectively, if paid before Feb. 28, 1998. The \$75 charge to participants covers only the food, while the speakers pay \$110, which is the cost of everything but the food. The committee decided to table the issue of a dues increase and revisit it at the spring AChemS meeting once the ballot issue is

PROGRAM CHAIR ELECT (Program Chair 2000)

Stuart Firestein, Ph.D.

Education and Training: BA, Physiology & Behavior, California State University at San Francisco, 1983; Ph.D. in Neurosciences, UC-Berkeley 1988; Postdoc: Sect. Neurobiol., Yale Univ. Sch. Med. with Gordon Shepherd, 1988-1990.

Previous Positions: Res. Assoc., Asst. Professor, Section of Neurobiology, Yale University Medical School, 1990-1993.

Current Position: Associate Professor, Department of Biological Sciences, Columbia University, 1993 to present. Faculty member in Joint Program in Neuroscience and Behavior, Columbia University.

ASChS Offices: Member, Program committee and Awards committee.

Other Service: Ad Hoc reviewer for Sensory Disorders and Language Study Section

Awards: Takasago Corporation - Kenji Nakanishi Award, 1993; Seventh Anniversary Lecturer for NIDCD, 1995; McKnight Investigator Award, 1996.

Research Interests: Molecular physiology of vertebrate olfactory transduction and signaling.

James E. Schwob, MD, Ph.D.

Education and Training: BS in Psychology with Honors: University of Iowa, 1975; MD, Ph.D. in Neural Science, Washington University in St. Louis, 1983 (Laboratory of Dr. Joseph L. Price, Anatomy and Neurobiology); Postdoc.: Dr. David Gottlieb, Anatomy and Neurobiology, Washington University in St. Louis, 1984-1987.

Previous Positions: Assistant Professor of Anatomy and Cell Biology, SUNY Health Science Center at Syracuse 1987-1992; Associate Professor of Anatomy and Cell Biology, SUNY Health Science Center at Syracuse 1992-1995.

Current Position: Professor of Anatomy and Cell Biology, SUNY Health Science Center at Syracuse 1995-present; Chair of Anatomy and Cell Biology, SUNY Health Science Center at Syracuse 1998-present

Service: Member, NIH Sensory Disorders and Language Study Section, 1994-1995; 1996-1998

Honors: Oliver H. Lowry Prize, Washington University School of Medicine, 1981; James L. O'Leary Prize for Research in Neuroscience, Washington University School of Medicine, 1982; Takasago Corporation Kenji Nakanishi Award for Research in Olfaction, 1989;

Research Interests: Mechanisms of development and regeneration of the primary olfactory projection, regulation of neurogenesis, and the pathogenesis of human olfactory dysfunction.

The ELECTIONS COMMITTEE who prepared this ballot:

Michael Meredith, Chair

Lynn Kalinoski

John S. Kauer

David V. Smith

Judith Van Houten

SECRETARY (1998-2000)

Susan P. Travers, Ph.D.

Education and Training: BS, Psychology, University of Wyoming, 1975; Ph.D. Psychology, University of Wyoming, 1980; Postdoctoral work, Dr. Ralph Norgren, Rockefeller University & Pennsylvania State University.

Current Position: Associate Professor, Oral Biology, College of Dentistry, Ohio State University.

Awards: Ajinomoto USA Inc./AChemS Award for Research in Gustation, 1995.

Research Interests: Functional organization of taste quality: Receptive fields in brainstem gustatory nuclei: Combined Anatomy, Physiology, and immunocytochemistry relating sensory response to morphology and NST/PBN efferent circuits.

Steven L. Youngentob, Ph.D.

Education and Training: BS Biology/Experimental Psychology Univ. Georgia, 1976; Ph.D.: Physiology, State Univ. NY, Upstate Med. Center, Syracuse, 1984.

Current Position: Research Associate Professor, Department of Neuroscience and Physiology, and The SUNY Clinical Olfactory Research Center, State University of New York, Health Science Center, Syracuse, New York 1996-Present.

Research Interests: Anatomical and functional reconstitution of the olfactory system after damage; Analysis of OMP's role in odor processing/ Animal psychophysics; Optical recording; Toxins; Viruses; Adenovirus expression vectors; Genetic manipulation.

MEMBERSHIP CHAIR (1998-2000)

Joseph Brand, Ph.D.

Education and Training: BS chemistry, Trinity College, Hartford, CT, 1967; Ph.D. Biophysics, Univ. Rochester, NY, 1972; Postdoc. Sensory biochem., Monell Chem. Senses Cntr & Dept. Biochem., Univ. Penn., 1971-73; Robert. H. Cagan.

Current Positions: Associate Director and Member of the Monell Chemical Senses Center; Prof. Biochem., School of Dental Medicine, University of Pennsylvania; and Research Biochemist, Philadelphia Veterans Affairs Medical Center.

AChemS Offices: Program Chairperson, 1991-92; Program Committee 1988-90; Councilor, 1980-81.

Research Interests: Biochem./biophys/molecular biol., taste and olfactory receptors; Biophysics of antibiotic ion channels.

William C. "Mike" Michel, Ph.D.

Education and Training: BA, MA Biology Humboldt State Univ. Arcata, CA 1975 and 1979; Ph.D.: Biological Sciences, UC Santa Barbara, 1985. Postdoc John Caprio: Louisiana State Univ. & Barry Ache: Univ. Florida-Whitney Lab.

Current Position: Assistant Professor of Physiology, University of Utah School of Medicine.

AChemS Service: Program Committee member, 1989 and 1994; Elections Committee member, 1997.

Research Interests: Olfactory transduction and role of multiple transduction cascades in olfactory mixture interactions.

COUNCILOR (1998-2000)

Linda A. Barlow, Ph.D.

Education and Training: BA in Zoology, University of California, Berkeley 1982; Ph.D. in Zoology, University of Washington, Seattle WA 1991; Postdoc: Prof. Glenn Northcutt, Dept. of Neurosciences, Univ. California, San Diego.

Current Position: Assistant Professor, Dept. of Biological Sciences, University of Denver, 1997- present; Co-investigator, Rocky Mountain Taste and Smell Center.

Research Interests: Nervous system development, focus on cellular and tissue-level mechanisms involved in the embryonic development of taste buds and their innervation.

Joel White Ph.D.

Education and Training: BA in biology from the University of Kansas in 1983; Ph.D. in Biology from the Florida State University in 1989; Postdoctoral work in the Neuroscience Program at Tufts University with John Kauer.

Current Position: Research Assistant Professor of Neuroscience, Tufts University.

AChemS Offices/Service: Chair of AChemS adhoc Online Committee, 1995; Audio-Visual Coordinator for the Annual Meeting, 1992 -1997.

Research Interests: Odorant information processing in vertebrate olfactory system; implementation of olfactory neural processing algorithms in artificial olfactory systems.

possibly at the amount of \$1,000. However, the Awards Committee was also directed and authorized to solicit outside funds and sponsorship for the award. Charlie Greer requested that AChemS guarantee an amount of \$1,000, and put this in the Awards committee budget, to ensure a cash payment for the award in the event that independent funds are not available. He also requested authorization and additional funding to have plaques made allowing AChemS to officially acknowledge

each of the four awardees. The previous Awards Committee budget was \$200. The Executive Committee authorized an increase in the Awards Committee budget to include funds to make 4 plaques at \$100 each (\$400 total) for each of the four AChemS awards. The Executive Committee also authorized up to \$1,000 for a cash award for the new senior scientist award, but directed the Awards Committee to keep use of these funds at a minimum and to seek independent funding for the

senior award.

Minority Travel (Diego Restrepo) and Clinical (April Mott) Fellowships: No news.

New business: At the next AChemS meeting, the Executive Committee meeting will start at noon on Wednesday, 4/22/98.

The meeting was adjourned at 1:30 p.m.

NIH RESEARCH AND TRAINING PROGRAMS: PANEL DISCUSSION

FRIDAY, APRIL 24, 1998; 1:30-3.00 p.m.

- **Opportunities for new investigators and established investigators changing research directions**

Discussion led by: Jack Pearl, Ph.D., Health Scientist Administrator, Division of Human Communication National Institute on Deafness and Other Communication Disorders, NIH

- **Research priorities in the chemosenses and funding mechanisms utilized at the National Institute on Aging**

Discussion led by: Judith A. Finkelstein, Ph.D., Program Director, Sensory/Motor Disorders of Aging

- **NIH commitment to support new investigators: transition and post-R29 issues**

- **Ongoing NIDCD evaluations of grant and training programs**

Discussion led by: Craig A. Jordan, Ph.D., Acting Director, Division of Extramural Activities, NIDCD, NIH

- **Implementation of the new review criteria**

- **Neuroscience integration at the NIH**

Discussion led by: Laurence Stanford, PH.D., Scientific Administrator, Neurology B-1 Study Section Center for Scientific Review

- **General discussion**

Announcing the *AChemS* Directory of Chemical Senses Training Programs

The Association for Chemoreception Sciences recognizes the need for students interested in pursuing a career in the chemical senses to have ready access to a list of legitimate training programs at institutions of higher learning in North America. With this goal in mind, we are developing a *Directory of Chemical Senses Training Programs* that will provide students interested in undergraduate and graduate- level training with a comprehensive list of programs that cover a wide range of subject areas related to the chemical senses.

If you would like to see your program listed in the Directory, please obtain a copy of the Application Form now posted on the AChemS website at

<http://www.neuro.fsu.edu/achems/homepage.htm>

Before filling in the form, we suggest you refer to the Association of Neuroscience Departments and Programs (ANDP) website at <http://www.andp.org> and examine their *Directory of Neuroscience Training Programs in North America*. Use it as a guide to write an effective and informative description of your Training Program.

After your application is approved, your Program's title will be added to the Directory List on the AChemS website and linked to your own Program's website (We regret that we cannot at this time include a program's listing unless that program has its own website).

According to the AChemS bylaws, we must make available to our students information about Training Programs in the Chemical Senses. This new addition to the AChemS website extends this effort and makes the information more widely available.

In order to facilitate the process, please make every effort to complete the entire application form. Partially completed forms may not be accepted. Completed forms can be mailed or faxed to:

Tom Christensen
AChemS Training Directory Committee
ARLDN, University of Arizona
PO Box 210077
Tucson AZ 85721-0077
FAX: 520-621-8282
e-mail: tc@neurobio.arizona.edu

CALL FOR SESSIONS, ACHEMS XXI, 1999

The Program Committee for the last AchemS meeting of the XXth century would like to receive your suggestions for symposia and workshops. Please send your ideas or e-mail to either of the two Program Co-Chairs: Dr. Sue Kinnamon, Department of Anatomy and Neurobiology, Colorado State University, Fort Collins, CO 80523, E-mail: skinna@lamar.colostate.edu, or Dr. Diego Restrepo, Cellular and Structural Biology, UCHSC Campus Box B111, 4200 E 9th Ave, Denver, CO 80262. E-mail: diego.restrepo@uchsc.edu.



BOOK DISPLAY AT ACHEMS ANNUAL MEETING

Don't forget to ask your publisher to donate a copy of your recent book for The Book Table at this year's AChemS annual meeting in Sarasota. The books are auctioned off at the end of the meeting to raise funds to support student travel. The Book Table, initiated by AChemS several years ago, has been a great success. The Book Table encourages meeting participants to browse more recent publications in our field. This is an opportunity for all AChemS members to help make this event even better! If you would prefer to have Panacea contact your publisher, send e-mail to slampman@panassoc.com or contact Panacea Associates at 850-894-3480 with suggestions of specific titles and names of publishers.

Wine Tasting!

Following our tradition of the last several years, a wine tasting will be held on Saturday evening during the AChemS meeting. Admission to the tasting will be \$15 plus a bottle of your favorite wine. The \$15 will cover the services provided by the hotel including glassware and an appropriate selection of food. Sign up early because participation is limited to 100 people. Tickets will be available at registration. Any questions can be directed to the organizers, Jack Kinnamon and Charles Greer.



Directory of Chemical Senses Training Programs

Application Form

I. Program

Program Name: _____
Source & Duration of Funding: _____
Institution: _____
City: _____
State: _____
WWW address: <http://> _____

II. Degrees or Degree Programs Available

A) _____
B) _____
C) _____

III. Contact Person

Name: _____
Title: _____
Mailing Address: _____
Tel: _____
Fax: _____
E-mail: _____
WWW: <http://> _____

IV. Program Description

- A. Written Description of Program, Limited to 300 words (you may attach on a separate sheet)
- B. Year Established: _____
- C. Total Number of Faculty: _____
- D. Total Number of Faculty in the Chemical Senses: _____
- E. Total Number of Full-Time Enrolled Students: _____
- F. Total Number of Full-Time Students in the Chemical Senses _____
- % US Citizens: For item E. (above) _____ Item F. _____
- % Female: E. _____ F. _____
- % US Under-Represented Minorities: E. _____ F. _____
- % American Indian or Alaskan Native: E. _____ F. _____
- % Asian or Pacific Islander: E. _____ F. _____
- % Black (not of Hispanic origin): E. _____ F. _____
- % Hispanic Origin: E. _____ F. _____
- G. Total Number of Chemical Senses Graduates in the Last Five Years: _____
- H. Average Number of Years Taken to Complete the Program: _____

V. Admission Requirements

- A. Annual Tuition and Fees: _____
- B. Stipend/assistantships and Financial Assistance: Yes _____ No _____
- C. How to Apply for Aid: _____

VI. Other Relevant Information About Your Program (Please attach separate sheet)

RESERVATION FORM FOR SPECIAL EVENTS AT ACHEMS XX

Name _____

Address _____

City, State, Zip _____

I wish to reserve the following:

Clinical Luncheon tickets #____ @ \$20.00 each = \$_____

Please indicate *choice of chicken/shrimp____ or steak____

Industrial Reception & Lecture tickets #____ @ \$20.00 each = \$_____

Wine tasting tickets #____ @ \$15.00 each = \$_____

(please bring a bottle of wine!)

Total: \$_____

Pre-paid tickets will be available for pick-up with your name tag and abstract book at the registration area reserved for attendees who have pre-registered. Tickets will be on sale at Registration before the meeting, but we urge you to **reserve your tickets early** since attendance at these special functions is limited by space.

*Menu choice for clinical luncheon is **either**: shrimp salad in a radicchio cup and chicken salad stuffed tomato half, fresh fruit, pasta salad, cucumber salad and bread; **or** sliced warm flank steak, salad greens, sliced fresh fruit, bread. Both choices come with a dessert of vanilla ice cream, pear, chocolate sauce and whipped cream.

Please detach and return this form and mail with your check payable to AChemS XX to arrive **before April 10, 1998**, to AChemS Central Office, 744 Duparc Circle, Tallahassee FL 32312