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**JAVITS AWARDS TO TWO MORE CHEMOSENSORY SCIENTISTS**

Drs. Robert Gesteland of Northwestern University and David V. Smith of The University of Wyoming have been awarded seven years of research support as part of the latest round of NINCDS Javits Neuroscience Investigatorships. Drs. Gesteland and Smith are among 22 recently named as Javits awardees. They join 39 others, including three chemosensory scientists (Drs. Beldler, Oakley, and O'Connell) who were given Javits awards earlier this year. Awardees are selected by the National Advisory Neurological and Communicative Disorders and Stroke Council from the pool of research grant applicants in the last three funding cycles. The Council intends to recommend additional recipients of Javits Investigatorships at its September 1984 meeting.

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**ISOT REPRESENTATIVES CHOSEN**

Bruce Halpern and Max Mozell have been selected by the membership (see memo in Newsletter Vol. 2, No. 2) to represent AChemS on the International Commission on Olfaction and Taste. The commission will make policy regarding the location and organization of the next International Symposium on Olfaction and Taste (ISOT). According to informed sources, the debate on where the next ISOT should be held has already begun. Opinions among some of the non-European attendees of the recent ECRO meeting ranged from "somewhere in the Western U.S." to "somewhere in Canada". The Europeans seem to think ISOT would be more appropriately held near the next ECRO meeting in Davos, Switzerland. We wish Drs. Halpern and Mozell luck in their roles as representatives of the Association and would only suggest that at this stage Iceland appears to be the obvious compromise location.

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**NOMINATIONS REQUESTED FOR FREEMAN AWARD**

Nominations for the Stanley K. Freeman Award for Innovative Research in Chemoreception are now being accepted. The award of \$5000, sponsored by International Flavors and Fragrances, Inc., is made every three years. The first award was presented in April, 1982 to Dr. Pasquale Graziadei. The second will be presented at our annual meeting in April, 1985. All nominations should be accompanied by the nominee's CV, representative reprints and two supporting letters. Nominations should be sent to Dr. Carl Pfaffmann, The Rockefeller University, Box 275, 1230 York Avenue, New York, NY. 10021. Nominations will be accepted until January 1, 1985.

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**Bahia Mar Yacht Club site of Multivariate Workshop**

As a result of a well received seminar at the American Society for Testing and Materials (ASTM) meeting in Denver last May, a two-day workshop on Multivariate Analysis of Sensory Data is being offered prior to the next ASTM meeting in November. The workshop, given by AChemS member David Smith and co-author Stephen Bieber, will take place November 26 and 27, 1984 at the Bahia Mar Hotel and Yacht Club in Fort Lauderdale. The presentation of various multivariate analytic techniques will include discussions of applications to sensory data and interpretation of results. The afternoon of the second day will be reserved for individual consultations. The registration fee is \$175 (payable to ASTM-Committee E-18) and should be sent to Louise Neall, E-18 Staff Manager, ASTM, 1916 Race St., Philadelphia, PA 19103. Hotel registration forms will be available upon receipt of the registration fee. For more information about the Workshop or about the ASTM meeting that follows starting November 28, call Alex Merolli at (612) 330-4683.



## ECRO Program

The sixth annual meeting of the European Chemoreception Research Organization (ECRO) took place September 4-7 in Lyon, France. The program is reproduced in part below.

### INTERNATIONAL ORGANIZING COMMITTEE

J. Chaneil (F)  
D. Glaser (CH)  
A. Holley (F)  
P. MacLeod (F)  
Mrs. Cl. Masson (F)  
J. Solms (CH)  
H. Van der Starre (NL)

### LOCAL ORGANIZING COMMITTEE

A. Holley President  
Mrs M. Cattarelli  
M. Chaput  
R. Gervais

#### Secretariat :

Mrs M.T. Chambon

#### OFFICIAL OPENING

Pr. A. Holley, President of the Local Organizing Committee  
Pr. J. Solms, President of ECRO  
Dr. E. Sundt, President of the Congress

#### INAUGURAL LECTURE

Chairman : E. Sundt

R.P. Erickson : Some comments on the metrics of neural information.

### SESSION I - MOLECULAR ASPECTS OF CHEMORECEPTION

#### LECTURE I

Chairman : D. Ottoson

K. Hansen : Receptor proteins in insects and vertebrates.

#### ORAL COMMUNICATIONS

E. Bignetti, A. Cavagioni, P. Pelosi, K.C. Persaud, R. Sorbi and R. Tirindelli : Purification of an odorant binding protein from cow olfactory mucosa.

D. Lancet, Z. Chen, M. Lev, U. Pace and D. Ophir : Specific ciliary proteins that may mediate olfactory function.

#### LECTURE 2

Chairman : P. Schudel

J. Adda : How does the structure-activity concept apply to food research ?

#### ORAL COMMUNICATIONS

E.H. Polak, S. Shirley, R. Mather and G. Dodd : Chemical modification of the olfactory membrane by concanavalin A. A review of recent progress.

P. Wood and G. Dodd : Biochemical studies with heterocyclic odorants.

H. Hatt and I. Schmiedel-Jakob : Molecular characteristics of stimulants for the crayfish pyridine receptor.

U. Klein and T. Keil : Isolated dendritic membrane from insect olfactory hairs : Progress and problems of analysis.

G. Helikant, C. Hard af Segerstad, T. Roberts, J.N. Brouwer, D. Glaser, H. Van der Wel : The missing link in taste physiology found : On the effect of gymnemic acid in chimpanzee.

S.S. Schiffman, J.M. Gill, II, and C. Diaz : Evidence for modulation of taste by adenosine receptor on tongue of humans and rats.

I.E. Lush : The genetics of bitterness tasting in mice.

J.N. Brouwer, J. Albrecht, A. Wierma : Isolation of taste buds.

J.A. DeSimone, G.L. Heck, S. Mierson, S. DeSimone : Evidence for Na-transport as an important early event in mammalian salt taste.

### SESSION II : DEVELOPMENTAL BIOLOGY OF THE CHEMOSENSORY SYSTEMS : ONTOGENY AND PLASTICITY

#### LECTURE

Chairman : H. Altner

A.I. Farbman : Developmental biology of taste and olfactory receptors.

#### ORAL COMMUNICATIONS

D.L. Hill and T.C. Bour : A mechanism for altered chorda tympani taste responses to salts during development : Addition of amiloride-sensitive sodium channels.

J.L. Hempstead and J.J. Morgan : Neuron regeneration in the primary olfactory tract studied with a monoclonal antibody library.

B. Ph. M. Menico and A.I. Farbman : The development of ciliated dendritic endings of rat olfactory receptor cells.

G. Weiss and H. Altner : The projections to the olfactory bulb and changes in the olfactory system related to metamorphosis in *Xenopus laevis* (Anura, Amphibia).

R. Cooper-Smith and M. Leon : Potentiated neural response to familiar odors by young rats.

H.P. Zippel and D.L. Meyer : The olfactory bulb as a model for neuronal plasticity : Behavioural and anatomical observations following partial ablation.

C.S. Evans and S.J. Dugmore : Stages in chemo-communication development in juvenile lemurine primates.

A. Duveau and J. Chaneil : Early olfactory discrimination, orientation and integration responses in the rat.

R.L. Doty, P. Shaman and S. Applebaum : Smell identification ability : Relationship to age and gender.

### SESSION III : TRANSDUCTION AND INFORMATION PROCESSING IN CHEMOSENSORY SYSTEMS

#### LECTURE

Chairman : P. MacLeod

J. Kauer : Neural processing of chemical signals.

#### ORAL COMMUNICATIONS

J.J. de Kramer : The origin of extracellular receptor potentials and the A.C. impedance of insect olfactory sensilla.

P.L. van Mier : Interneurons involved in taste information processing during feeding behaviour in the blowfly *Calliphora vicina* as revealed by cobalt staining.

J. Atema : Interfacing primary chemoreceptor cells with noisy marine environments.

C.D. Derby, K.A. Hamilton and B.W. Ache : Neural coding of odor quality in the olfactory pathway of the spiny lobster. T.V. Getchell and M.L. Getchell : Adrenergic and cholinergic modulation of secretory granule content in the olfactory glands of the salamander.

J. Pager : Cyclic patterning of the unit activity and responses in the olfactory bulb of unrestrained rats.

A. Faurel : Single unit versus whole nerve taste quality coding.

P.H. Boeljinga, V.H. Leengood, F.H. Lopes da Silva and N.J.I. Mars : The role of the entorhinal cortex in the processing of olfactory information.

G. Kobal and M. Strecker : Temporal summation in olfaction.

J.H.A. Kroeze : The subjective complexity of taste stimuli.

## ECRO BOARD

J. Solms (CH) President  
A. Holley (F) Vice-President  
Mrs. Cl. Masson (F) General Secretary  
D. Glaser (CH) Executive Secretary and Treasurer  
M. Lindley (UK) Editor of «News Letters»  
G.G. Birch (UK)  
K.E. Kaindl (FRG)  
H. Van der Starre (NL)  
H. Van der Wel (NL)

### SESSION IV : CHEMICAL SIGNALS AND BEHAVIOUR

#### LECTURE

Chairman : K. B. Døving

E.B. Keverne : Behavioural significance of the dual olfactory projections.

#### ORAL COMMUNICATIONS

W.D. Booth : The stability of steroidal pheromones and their binding protein (pheromaxin) in boar saliva.

F.v. Stralendorff : Urinary chemosignals and their specific behavioural effect in tree shrews.

A.E. Rosser and E.B. Keverne : Olfactory recognition of male primer pheromones by female mice.

J.E. Steiner and D. Glaser : Fixed behavior-features indicative of taste hedonics in nonhuman primates.

R. Preiss and E. Kramer : Pheromone-induced anemotaxis in simulated free-flight.

R. Brossut and J.G. Millar : Communication by pheromones in the grain storage beetles of the genera *Cryptolestes*, *Oryzaephilus* and *Tenebrio*.

C.J. den Otter and R.K. Saini : Sexual communication in tsetse flies.

A.M. Stuart : Chemical signals in the behaviour of termites.

M.H. Pham-Delegue and Cl. Masson : Evidence for olfactory discrimination among floral complex aroma according to a conditioning process in honeybee.

#### ORAL COMMUNICATIONS

Chairman : E.P. Köster

T. Hellström : Differences in sensitivity to taurocholate in anomic and sham-operated cod.

K.J. Mearns : Chemical sensitivity of salmonid fry to amino acids.

E.P. Köster, N.D. Verhelst, M. Linschoten and J. Mojet : Memory for odour classification : A sex difference.

K.J. Burdack, E.P. Köster and J.H.A. Kroeze : Nasal, retro-nasal and gustatory stimulation : Experiments on human aroma perception.

#### CONCLUDING LECTURE

J. Le Magnen : Olfaction and taste : Sensory systems for feeding.

#### CONCLUDING REMARKS : J. Boeckh

### SPECIAL SESSION : NEUROANATOMY AND NEURO-CHEMISTRY OF THE CHEMOSENSORY SYSTEMS IN MAMMALS.

Chairman : T.V. Getchell

R. Norgren : Taste and the autonomic nervous system.

F. Macrides : Evidence for morphologically, neurochemically and functionally heterogeneous classes of mitral and tufted cells in the olfactory bulbs.

N. Halász : Catecholaminergic contribution to the neuronal machinery of the olfactory bulb : Immunohistochemical, autoradiographic and evoked field potential studies.

F. Margolis : Olfactory marker protein : Amino acid sequence, *in vitro* translation, and approaches to cDNA cloning.

L. Haberly : Neuronal circuitry in olfactory cortex : Anatomy and functional implications.

J.L. Price : Beyond the primary olfactory cortex : Olfactory-related areas in the hypothalamus, thalamus and neocortex.

#### WORKSHOPS in parallel

Comparative anatomy and physiology of the olfactory system in insects and vertebrates.

Organized by Cl. Masson

Statistical methods and sensory analysis.

Organized by J.E.R. Frijters.



# LIST OF POSTER COMMUNICATIONS

(The number indicates the location of the poster in the poster rooms).

- Adamek, G., Hemberger, J. and Kaissling, K.E. (22)  
Exchange of receptor lymph in insect olfactory hairs. A method to study the role of ions and proteins in transduction.
- Ahlström, R. (6)  
Odor deficits in petroleum workers.
- Amagat, C., Le Berre, M. and Le Guelte, L. (61)  
Olfactory discrimination of the social status induced by the ventral gland development in Mongolian gerbils (*Meriones unguiculatus*).
- Angioy, A.M., Liscia, A., Crnjar, R. and Pietra, P. (71)  
Influence of the chemosensory function on the heart of *Phormia regina* (Meig.).
- Arnold, G. and Masson Cl. (75)  
Morphofunctional comparative study of the spatial organization of the sensory antennal pathway in the worker bee, the drone and the queen.
- Astic, L., Saucier, D., Jourdan, F. and Holley A. (29)  
Functional mapping of the olfactory bulb and sensory adaptation : A study with the (14C) 2-deoxyglucose method.
- Baattrup, E. (46)  
Physiological studies on the pharyngeal terminal buds in the larval brook lamprey.
- Baattrup, E. and Døving, K.B. (45)  
Chemosensory function of the olivogillous cells of the lamprey skin.
- Bergmann, F., Lieblisch, I., Cohen, E. and Ganschrow, J.R. (63)  
Exclusive sweet solution drinking influences pain responses and morphine tolerance in randomly bred rats.
- Boelens, M.H. (11)  
Does there exist a simple relation between boiling point and partition coefficient for (non)-odorants ?
- Bonnet-Font, C. and Bobillier, P. (33)  
Specific characteristics of the uptake and retrograde transport of 3H-noradrenaline in the noradrenergic neurons afferent to the olfactory bulb.
- Borroni, P.F., Handrich, L.S. and Atema, J. (49)  
Mixture suppression in taste-mediated lobster behavior.
- Bouvet, J-F., Delaleu, J-C. and Holley A. (17)  
Electrical responses elicited by acetylcholine and substance P in the frog's olfactory mucosa.
- Bret, D. and Economides, S. (65)  
Human olfactory behavior.
- Brinck, C., Hoffmeyer, I. and Westlin, L.M. (59)  
Effect of testosterone on the structure and secretion of the preputial glands in subordinate male bank voles, *Clethrionomys glareolus* (L.).
- Cancalon, P. (25)  
Regeneration of olfactory neurons crushed at various distances from the cell body (neogenesis versus axonal regeneration).
- Cattarelli, M. and Demasli, A. (60)  
Effects of selective olfactory pathway lesions on cortico-adrenal activity in the rat.
- Chambille, I. and Rospars, J.P. (78)  
Morphometric study of antennal lobes during postembryonic development of the cockroach *Blattella germanica*.
- Chaput, M. (38)  
Dynamic aspect of information coding in the olfactory bulb of awake animals.
- Chaput, M. (39)  
The variability of the single unit responses of olfactory bulb neurons and the coding of odors in awake freely-breathing animals.
- Clément, P. and Wurdak, E. (69)  
Chemoreceptors and responses to chemical signals in primitive animals (Rotifers).
- Clugnet, M-C. and Vayssettes-Courchay, C. (40)  
Unit activity and odor discrimination in rat piriform and lateral entorhinal cortex.
- Cohen-Tannoudji, J., Locatelli, A. and Signoret, J.P. (54)  
The male effect in the domestic sheep : Existence of a male pheromone inducing LH release in the anoestrous female and of a possible substitution by other sensory cues.
- Cormarèche-Leydier, M. and Vernet-Maury, E. (64)  
The effects of capsaicin desensitization on emotional reactivity to stressing and non-stressing olfactory stimulations in the rat.
- Costanzo, R.M. (26)  
Reestablishment of axonal connections and transmission of sensory information to the olfactory bulb following olfactory nerve transection.
- Crnjar, R., Scalera, G., Angioy, A.M., Liscia, A. and Pietra, P. (51)  
Olfactory receptors in the olive fly *Dacus oleae* responding to volatile compounds from the hostplant : A morphological and electrophysiological approach.
- Curtis, D.W. and Stevens, D.A. (3)  
Taste interactions in sweet-sour and sweet-salty mixtures.
- Daev, E.V., Tzapigina, R.I. and Novikov, S.N. (55)  
Chemical signal controls reproductive function in immature male laboratory mice : Evidence for volatile nature of active substance(s) in the urine of adults.
- Delabie, J. and Masson Cl. (76)  
Polymorphism of the chemical communication in the fungus-growing ant, *Acromyrmex octospinosus*.
- Derby, C.D., Gleason, R.A. and Ache, B.W. (48)  
Peripheral and central events contribute to mixture suppression in the olfactory pathway.
- Dodd, G., Wood, M. and Willey, G. (13)  
The RNCNCR project.
- Døving, K.B. (37)  
Response properties of mitral cells to slowly increasing concentrations of odour.
- Edwards, D., Mather, R., Shirley, S., Polak, E. and Dodd, G. (15)  
Studies on the muscarinic-cholinergic receptor and related receptors from rat olfactory mucosa.
- Farine, J.P. (72)  
Chemical communication in *Dysdercus cingulatus* (Fabr.) (Heteroptera, Pyrrhocoridae).
- Fonta, C., and Masson, Cl. (77)  
Olfactory nervous system of bumblebees : Comparative study between sexes and castes.
- Fraser, P.J. (35)  
A versatile spike train and stimulus analysis program.
- Frijters, J.E.R. (1)  
The equeiratio taste mixture model.
- Ganschrow, D. and Ganschrow, J.R. (44)  
Frequency and distribution of taste buds in the oral cavity of hatchling chicks.
- Golovnya, R.V., Syomina, L.A., Yakovleva, V.N. Enikeeva, N.G. (7)  
Uniform procedure for selection of panelists by their ability to recognize odours.
- Hatt, H. (18)  
Structure-activity relationships for amino acids in crayfish chemo-reception.
- Hendriks, A.P.J. and Matlung, K. (5)  
A clinical test of odour identification.
- Humphreys, C.J., Mitchell, A.J. and Mackie, A.M. (73)  
Gustatory stimulants for flat fish.
- Jourdan, F., Astic, L. and Holley, A. (28)  
Effects of a long-lasting selective olfactory stimulation of newborn rats on the functional properties of the olfactory bulb : A 2-deoxyglucose study.
- Kaissling, K.E. (20)  
Temporal resolution of olfactory cell responses in moths.
- Kanaujia, S. (21)  
Fate of pheromone molecules on antennae of male *Antheraea polyphemus*.
- Keil, T.A. (23)  
Diffusion barriers in sensory epithelia of olfactory sensilla on the silkworm antenna.
- Kobal, G. (43)  
Cerebral gustatory evoked potentials in man.
- Lawless, H. and Mattes, R. (4)  
An adjustment error in optimization of taste intensity.
- Levy, F. and Poindron, P. (53)  
Olfactory attraction and repulsion by amniotic fluids and its importance on the maternal behaviour of the ewe.
- Liscia, A., Crnjar, R., Angioy, A.M. and Pietra, P. (19)  
Effects of nucleotides on chemosensilla responses of *Phormia regina* (Meig.).
- Ludvigson, H.W. (62)  
Hypotheses of communicative properties of odors of reward and nonreward in rats.
- Maes, F.W., Thomas, G. and Vedder C.G. (52)  
Functional significance of discrimination ability for salt taste quality in the blowfly *Calliphora vicina*.
- Mather, R. and Dodd, G. (16)  
Trigeminal detection of odours.
- Müller, G. and Kobal, G. (42)  
Cerebral evoked potentials in man elicited by carbon dioxide of different concentrations applied to the nasal mucosa.
- Novikov, S.N. (56)  
Pheromonal findings based on ethological bioassay : Methodological considerations from the behaviour geneticist's point of view.
- den Otter, C.J. and Kahoro, H.M. (70)  
Sensitivity of larvae of stemborers and the African armyworm to plant taste substances.
- Pelosi, P. and Pacini, A. (8)  
Synthesis of analogues of megastigmatienes, main components of the flavour of passion fruit.
- Pelosi, P., Persaud, K.C., Pisanelli, A.M. and Montagnoli, G. (9)  
Synthesis of active ligands for an odourant binding protein.
- Persaud, K.C. and Pelosi, P. (12)  
An artificial nose.
- Pham-Deleue, M.H. and Masson, Cl. (74)  
Chemical basis of honeybee (*Apis mellifica* L.) selective attraction towards different sunflower (*Helianthus annuus* L.) genotypes.
- Polak, E.H. and Fombon, A.M. (10)  
Chiral discrimination of alpha-ionone enantiomers and racemate.
- Preiss, R. and Kramer, E. (67)  
Pheromone-induced anemotaxis in simulated free-flight.
- Schild, D. (36)  
A model for the signal filtering in the goldfish olfactory bulb.
- Schilling, A. and Perret, M. (58)  
Liposoluble sexual inhibiting factor in dominant urine of a male primate. Preliminary results.
- Schwarze, C. and Kobal, G. (41)  
Olfactory and somatosensory evoked potentials to different odors and carbon dioxide.
- Sicard, G. (34)  
Electrophysiological recordings of olfactory neuroreceptor cell activity in mice.
- Singh, R.N. and Singh, B.K. (68)  
Studies on the latencies of the labellar response of the horsefly, *Tabanus striatus* (Diptera : Tabanidae).
- Singh, S.P. and Singh, S.B. (47)  
Functional anatomy of the olfactory organs in a fresh-water teleost *Silurilabrus caudatus* (Ham.).
- Smit, K.G.J. (30)  
Odor exposure, odor sensitivity and odor reinforcement.
- Stabell, O.B. and Refstie, T. (27)  
Influence of the olfactory sense upon smolt transformation in atlantic salmon.
- van der Starre, H. (24)  
Dynamic impedance measurements in tarsal taste hairs of the blowfly *Calliphora vicina* during salt stimulation.
- Tsai, Y.F., Lago-Schaaf, T., Engler, U. and Bruckmoser, P. (31)  
Origin and efferent pathways to the olfactory bulb in the catfish *Ictalurus nebulosus*.
- Vernet-Maury, E., Chastrette, F., Amouroux, R. and Brouette, I. (57)  
Characterisation and identification of the pheromone of the rat pup's preputial gland.
- Voigt, R., Johnson, B.R., Borroni, P.F. and Atema, J. (50)  
Tuning and dynamic properties of lobster taste receptors.
- Weiss, G. and Altner, H. (32)  
The projections to the olfactory bulb and changes in the olfactory system related to metamorphosis in *Xenopus laevis* (Anura, Amphibia).
- Wenzel, B.M., Hutchison, L.V., Fox, V.S., Stager, K.E. and Davidian, H. (66)  
Anatomical and behavioral evidence for olfactory prominence in procellariiform birds.
- Wood, M., Dodd, G. and Willey, G. (14)  
Haem proteins as model systems for receptors for isonitrile odorants.
- Yoshida, M. (2)  
Time intensity curves of sweeteners.



## ACHEMS BUSINESS

### I. Treasurer's report for Fiscal Year July 1, 1983-June 30, 1984:

#### A. EXPENSES

1. Program Committee	
Program booklet, abstract volume, announcements	840.09
2. Membership Committee	
Directories	1149.50
Mailing	<u>218.52</u>
	\$1368.02
3. Annual Meeting	
Poster board repair	127.25
Poster board transport (Tallahassee-Sarasota)	402.61
Givaudan Lecture (honorarium)	1000.00
Symposia	2000.00
Hyatt Hotel Bill	
Catering	5357.67
Room charges (graduate students)	651.54
Bus service	<u>245.00</u>
	\$9784.07
4. Newsletters	518.80
5. <u>Chemical Senses</u> editors	900.00
TOTAL EXPENSES	<u>\$13,410.98</u>

#### B. INCOME

Dues	\$6027.00
ACHeMS VI registration	5558.37
Givaudan fund	1000.00
Corporate members (Ralston-Purina, R.J. Reynolds, Philip Morris, Procter & Gamble)	4000.00
IRL Press ( <u>Chemical Senses</u> editors and ACHeMS fee for 1983 & '84)	2534.00
Interest on savings	1923.37
TOTAL INCOME	<u>\$21,042.74</u>

#### C. INCOME-EXPENSES

Net gain for 83-84	\$7,631.76
(Net gain for 82-83 \$4,767.79)	
(Net gain for 81-82 \$5,643.79)	

### D. ASSETS (as of June 30, 1984):

Checking account balance	\$7,493.81
Savings	<u>\$23,484.45</u>
TOTAL ASSETS (6/30/84)	\$30,978.26

### E. LIABILITIES (as of June 30, 1984): \$000.00

### II. Roster of Committee members

#### A. Standing Committees:

1. Program Committee  
Gary Beauchamp, Chair  
Frank Catalanotto  
Mimi Halpern  
John Kauer  
Jim Kuznicki  
Joe Price  
Burton Slotnick  
Judith Van Hooten  
Charles Wysocki
2. Industrial Liaison Committee  
Jim Kuznicki, Chair  
Robert Cagan  
Jeannette Desor  
Carolyn Levy  
Bathsheva Rifkin
3. Elections Committee  
William Cain, Chair  
James Boudreau  
Mimi Halpern  
Robert O'Connell  
Mark Whitehead

#### B. Ad Hoc - Awards Committee

Carl Pfaffmann, Chair  
Jelle Atema  
John Desimone  
Albert Farbman  
Bruce Oakley  
Lloyd Beldler (Past Chair)

### III. Next Meeting

The Seventh Annual meeting of The Association for Chemoreception Sciences will take place April 24-28, 1985, in Sarasota, Florida. The program will include the annual Givaudan Lecture, given by John Hildebrand, and the Stanley K. Freeman Award lecture, given by Torsten Wiesel. The call for papers will be mailed out in mid-October. Remember that abstracts from this year's meeting are to be published in Chemical Senses.



## TRAVEL AWARDS FOR GRADUATE STUDENTS

Any graduate student in North America with an interest in the chemical senses is eligible for an AChemS grant covering up to 50% of the costs incurred travelling to the Seventh Annual Sarasota meeting. Application should be made through a faculty sponsor. The sponsor should send a letter including the student's name, address, present academic status, area of interest in the chemical senses as well as the lowest round trip air fare and a brief statement on behalf of the student. Letters should be sent by December 1, 1984 to Dr. Barry W. Aché, C. V. Whitney Laboratory, University of Florida, Rt. 1, Box 121, St. Augustine, FL 32086. Only a limited number of awards will be available. Applicants will be notified in early January. AChemS members are encouraged to make this information available to all students who might be interested.

## POSITIONS AVAILABLE

**POSTDOCTORAL TRAINING IN SENSORY PHYSIOLOGY & PSYCHOPHYSICS.** Applications are invited for NINCDS research training in sensory physiology and psychophysics. Applicants must be U.S. citizens or permanent residents and hold a Ph.D., MD, DDS, or DVM. Preceptors include: Drs. Randolph Blake (vision psychophysics), Peter Dallos (auditory physiology), Christina Enroth-Cugell (vision physiology), Albert Farbman (development of olfactory and taste receptors), Robert Gesteland (olfactory physiology), Barry Peterson (vestibulo-ocular interactions), Peter Rosenfeld (pain mechanisms), Robert Sekuler (vision psychophysics and aging). Appointments are available for 2-3 years. Salary begins at \$14,040. Applicants should complete the individual NRSA form or a letter of intent with three references and send to Dr. A. I. Farbman, Department of Neurobiology and Physiology, Northwestern University, Evanston, IL 60201.

**POSTDOCTORAL RESEARCH ASSOCIATE.** A position is available December 1 to study central mechanisms of taste. Applications are invited from Ph.D. neuroscientists with experience in CNS electrophysiology. The work involves recording responses from peripheral and medullary sensory neurons. The individual will join a group of investigators, funded by an NIH program project grant, whose research includes neuroanatomical, neurophysiological and clinical studies of the gustatory system. Apply to: Dr. Marlon E. Frank, Department of Oral Biology, University of Connecticut Health Center, Farmington, CT 06032.

**INSTRUCTOR/ASSISTANT PROFESSOR OF PHYSIOLOGY.** Position (nontenure track) available to conduct research on sensory processing of olfactory information. Some teaching required. Preference given to individuals with experience in neurophysiological techniques. Support available for up to 5 years. Salary will depend on experience. Applicants should have an MD or Ph.D. degree in Physiology or a related field. Send CV, and names of 3 references to: Dr. Richard Costanzo, Department of Physiology and Biophysics, Medical College of Virginia, Box 551 MCV Station, Richmond, VA 23298. Equal Opportunity/Affirmative Action Employer.

## CALL FOR NOMINATIONS

Members of AChemS are hereby invited to submit names of potential nominees for the 1985 AChemS elections. (See chart of AChemS officers on page 6.)

Note that the bylaws specify: "The name of a particular member can be assured a place on the ballot for any given office if the Elections Committee is provided with a petition to that effect signed by 10% of the individual members, of whom no more than five shall be in any one institution."

Nominations are requested for:

Executive Chair-elect \_\_\_\_\_

Secretary \_\_\_\_\_

Councillor \_\_\_\_\_

Program Chair (1986 meeting) \_\_\_\_\_

Program Chair-elect (1987 meeting) \_\_\_\_\_

Please submit your nominations, using this form, to: AChemS Elections Committee, c/o Dr. William S. Cain, John B. Pierce Foundation, 290 Congress Avenue, New Haven, CT 06519.

The deadline for nominations is December 15, 1985.



DR. RICHARD COSTANZO  
DEPT. OF PHYSIOLOGY  
& BIOPHYSICS  
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VA 23298

Dr. Janneane F. Gent  
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Association for Chemoreception Sciences - Officers

Term Ending	Executive Chairperson	Program	Membership	Treasurer	Secretary	Councilor	Councilor
1980	Mozell	Mistretta	Pangborn	Getchell			
1981	Bartoshuk	O'Connell	J. Smith	Getchell	Pangborn	Brand	DeSimone
1982	Shepherd	Cain			Pangborn	O'Connell	
1983	Halpern	Frank	Mistretta	Caprio	Gent	Ache	Meredith
1984	Cain	D. Smith					
1985	Gesteland	Beauchamp	Frank	Caprio			To be elected (2 year term)
1986	To be elected	To be elected					