

DAVID A. STEVENS

ADDRESS Department of Psychology, Clark University, Worcester, MA 01610-1477
(508) 793-7656

EDUCATION

University of California, Berkeley A.B. 1954
University of Oregon, Eugene M.A. 1963
University of Oregon, Eugene Ph.D. 1965

AWARDS AND HONORS

Bioscience and Biotechnology Research Council (Great Britain) Underwood
Award, 1995-1996
National Academy of Sciences/National Research Council
Senior Resident Research Fellowship (at U.S. Army
Natick Research & Development Laboratory), 1979-80,
1980/81
Dutch Council for Pure Scientific Research Fellowship
(at University of Utrecht), 1970
Fulbright-Hays Travel Fellowship, 1970
NIMH Predoctoral Fellowship, 1962-64
Sigma Xi, 1964

PROFESSIONAL EXPERIENCE

Teaching

Professor of Psychology, Clark University,	1980 -
Associate Professor, " " "	1969 - 1980
Visiting Professor, University of Utrecht, The Netherlands,	1973
Lecturer at NATO International Summer Course on Odour Perception: Multidisciplinary Research Methods, Utrecht,	1970
Assistant Professor of Psychology, Clark University,	1965 - 1969
Instructor of Psychology, University of Oregon, Eugene	1964 - 1965

Research

Visiting Professor, University of Reading, U.K.	1995-1996
Visiting Scientist, The Worcester Foundation for Experimental Biology, Shrewsbury, MA	1987 - 1988

Research Fellow, U.S. Army Research
& Development Laboratories, Natick, MA 1979 - 1981, 1982
Visiting Scientist, University of Utrecht,
The Netherlands, 1970

Consulting Editor: *Gerontology and Geriatrics Education*

Referee for:

Chemical Senses
Food Chemistry
Food Quality and Preference
Journal of Food Science
Physiology and Behavior

Other Activities:

1985 Sponsor of Fulbright Fellow, Dr. J.E.R. Frijters, of Netherlands
Agricultural University.
1982 Local Arrangements Chairman, New England Psychological Association
annual meeting, Clark University, Worcester.
1978-1979 Doctoral dissertation examiner, Macquarie University, New South Wales,
Australia
1978- Ongoing grant proposal reviewer for National Science Foundation

PROFESSIONAL AFFILIATIONS

1965-1978 American Psychological Association
1965-2000 Eastern Psychological Association
1965-2004 Psychonomic Society
1971-1981 Animal Behavior Society
1979- Association for Chemoreception Sciences
1971-1980 Chemical Senses and Intake Society
1982-1985 Institute of Food Technologists

INVITED PRESENTATIONS (Colloquia, Symposia, Lectures)

Effects of p-chlorophenylalanine (CP 10-188) on emotionality and learning in rats (1966).
Colloquium given at Medical Research Laboratories, Charles Pfizer and Company,
Groton, CT.

Stimulus variables and discrimination learning (1966). Colloquium given at New York State
University College, Oswego, New York.

Sensory systems and species differences in learning (1968). Lecture presented at Symposium on
Experimental Methods in the Chemical Senses, Clark University, June.

Relative importance of correct and incorrect stimuli in discrimination learning by rats (1970).
Colloquium given at Boston University.

Associative and nonassociative factors in behavioral research (1970). Colloquium given at the
Central Instituut voor Voedingsonderzoek, Zeist, The Netherlands.

Rats' responses to conspecific odorants (1971). Lecture presented at Seminar on Interdisciplinary
Approaches to Flavor, Massachusetts Institute of Technology.

Responses to conspecific odorants by rats (1971). Colloquium given at Brown University.

Chair, Session on Psychopharmacology, annual meeting of Eastern Psychological Association,
1971.

Alarm substances in rats (1972). Lecture presented at Symposium on Rodent Pheromones, U.S.
Army Natick Laboratories.

The viability of the pheromone concept (1978). Lecture presented at the Symposium on
Pheromones in Mammals, annual meeting of the Northeast Section on the Animal
Behavior Society.

Chair, Session on Animal Memory, Annual Meeting of Eastern Psychological Association, 1979.

Multidimensional scaling of flavor (1982). Colloquium given at University of California-Davis.

Multidimensional scaling of flavor (1982). Colloquium given at San Francisco State University.
Recent research on flavor perception (1982). Presentation given as member and Chair of Panel
on Taste, Smell and Flavor: Basic and Applied Research. Annual meeting of New
England Psychological Association, Clark University.

Evaluation of taste, smell, and flavor in elderly people (1984). Lecture presented to
Massachusetts Gerontological Practice Group of Massachusetts Diabetic Association,
Boston.

Individual differences in taste perception and Interactions of oral chemical irritants (1987).
Lectures given to the Committee on Sensory Evaluation of Materials and Products of the American Society of Testing Materials (ASTM) at their semi-annual meeting, Fort Lauderdale, Florida.

Mixtures of oral chemical irritants (1987). International Symposium on Complex Smells and Tastes. Sarasota, Florida. (with H. Lawless)

Explaining individual differences in flavor perception (1987) International Symposium on Food Acceptability. University of Reading, England. (with D.A. Dooley & J.D. Laird)

Personality variables in the perception of oral irritation and flavor (1988). International Symposium on Oral Irritation in the Nose and Mouth. Monell Chemical Senses Center, Philadelphia, PA.

Neurophysiological and perceptual implications of differences between and interactions of oral irritants (1988). Invited presentation to International Symposium on Oral Irritation in the Nose and Mouth. Monell Chemical Senses Center, Philadelphia, PA. (with H. Lawless)

Individual differences in taste and smell. (1990). IFT-IUFoST Basic Symposium on Advances in Sensory Science. Anaheim, CA.

Individual differences in taste. (1995) ECRO Symposium on Sweet Taste Chemoreception. Reading, U.K.

Individual differences in taste and smell. (1996) SCI Sensory and Consumer Science Group Symposium on Recent Advances in Sensory and Consumer science. Reading, U.K.

PAPERS PRESENTED AT MEETINGS

Leary, R.W. & Stevens, D.A. (1961). Species difference in effect of reward and nonreward in the discrimination learning of monkeys. Midwestern Psychological Association.

Littman, R.A. & Stevens, D.A. (1961). Early trauma, number of animals in a cage, and avoidance learning. Western Psychological Association.

Stevens, D.A. (1964). Learning set formation in Burmese cats: Fixed trial and criterion training methods compared. Western Psychological Association.

Stevens, D.A. & Schonfield, L.J. (1968). Relative strengths of response to S+ and S- after mastery, overtraining, and reversal of a discrimination. Eastern Psychological Association.

Stevens, D.A., Fechter, L.D., Resnick, O. (1968). The effects of p-chlorophenylalanine, a depletor of brain serotonin, on passive avoidance learning and open field behavior. American Psychological Association.

- Stevens, D.A. & Resnick, O. (1969). The effects of p-chlorophenylalanine, a depletor of brain serotonin, on brightness discrimination in satiated rats. Eastern Psychological Association.
- Stevens, D.A. (1969). Effects of relative distinctiveness of S+ and S- on discrimination learning. Psychonomic Society. Stevens, D.A. & Saplikoski, N.J. (1972). Rats' reactions to conspecific muscle and blood: Evidence for an alarm substance. Chemical Senses and Intake Society.
- Richards, D.B. & Stevens, D.A. (1972). Some evidence for marking by rats. Chemical Senses and Intake Society. Stevens, D.A. (1972). Odors as adaptations in rats. Central New England Conference on Animal Behavior.
- Stevens, D.A. & Wixon, D.R. (1974). Stimulus quality and assessments of relative importance of S+ and S-. Psychonomic Society.
- Stevens, D.A. (1976). Alarm pheromones in rats. Central New England Conference on Animal Behavior.
- Eaton, K.E. & Stevens, D.A. (1978). Sexual experience influences rats' reactions to conspecific urine. Eastern Psychological Association.
- Mason, J.R. & Stevens, D.A. (1979). A behavioral assessment of olfaction in tiger salamanders. Association for Chemo-reception Sciences.
- Stevens, D.A. & Mason, J.R. (1979). Assessing olfaction in tiger salamanders. Chemical Senses and Intake Society.
- Stevens, D.A. & Mason, J.R. (1979). Discriminated avoidance of chemically pure odorants by tiger salamanders (*Ambystoma tigrinum*). Northeast Regional Meeting of Animal Behavior Society, Woods Hole.
- Stevens, D.A. & Lawless, H.T. (1980). Flavor perception: Age-related differences. Eastern Psychological Association Stevens, D.A. & Lawless, H.T. (1980). Age-related changes in flavor perception. Association for Chemoreception Sciences.
- Stevens, D.A. (1981). Age differences in the contribution of olfaction to flavor. Association for Chemoreception Sciences.
- Lawless, H.T. & Stevens, D.A. (1983). Cross-adaptation of sucrose and intensive sweeteners. Eastern Psychological Association.
- Curtis, D.W. & Stevens, D.A., & Lawless, H.T. (1983). Perceived intensity of the taste of sugar mixtures and acid mixtures. Institute of Food Technologists. New Orleans, Louisiana.

- Curtis, D.W. & Stevens, D.A. (1984). Taste interactions in sweet-sour and sweet-salty mixtures. European Chemoreception Research Organization. Lyon, France.
- Stevens, D.A. & Lawless, H.T. (1985). Effects of tastants on oral irritation produced by capsaicin and piperine. Association for Chemoreception Sciences. Sarasota, Florida.
- Saul, L., Kennedy, L.M., & Stevens, D.A. (1985). Selective suppression of sweetness by an extract from *Hovenia dulcis* leaves. Association for Chemoreception Sciences. Sarasota, Florida.
- Stevens, D.A. & Lawless, H.T. (1986). Sequential effects on intensity of irritation by capsaicin and piperine. International Symposium on Olfaction and Taste. Snowmass, CO.
- Stevens, D.A. & Lawless, H.T. (1986). Differential effects of capsaicin and piperine at various oral loci. Psychonomic Society.
- O'Connell, R.J., Stevens, D.A., Coppola, D.M., Grant, A.J., & Akers, R.P. (1988). Qualitative and quantitative responses of osmic and anosmic subjects to various odors. Association for Chemoreception Sciences. Sarasota, Florida.
- Hopmeyer, A, and Stevens, D.A. (1989). Individual differences in psychophysical responses to chemical stimuli. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **14**, 711 (Abs).
- Stevens, D.A. and O'Connell, R.J. (1990). Qualitative and quantitative responses of osmic and anosmic subjects to threshold concentrations of various odors. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **15**, 644 (Abs).
- Stevens, D.A. (1991). Individual differences in effects of mouth movements on intensity of sweetness. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **16**, 586 (Abs).
- O'Connell, R.J., Stevens, D.A. & Zogby, L.M. (1992). Individual differences in the perceived intensity and quality of specific odors following self- and cross-adaptation. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **17**, 679 (Abs).
- Stevens, D.A. & O'Connell, R.J. (1993). Pemenone exposure increases the sensitivity of human subjects to androstenone. Association for Chemoreception Sciences. Sarasota, Florida. *Chemical Senses*, **18**, 634 (Abs).
- Stevens, D.A. & O'Connell, R.J. (1994). Odor qualities of androstenone and pemenone as perceived by pemenone osmics and allosmics. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **19**, 558 (Abs).
- Meyers, K.P. and Stevens, D.A. (1994). Individual differences in the perception of binary odor mixtures. Eastern Psycho-logical Association, Providence, RI.

- Stevens, D.A. & O'Connell, R.J. (1995) Pemenone and Androstenone Do Not Cross-Adapt Reciprocally. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **20**, 783 (Abs).
- Eylam, S., Kennedy, L.M., & Stevens, D.A. (1995) Potential human variants for glucose taste suggest separate fructose and glucose mechanisms. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **20**, 691 (Abs).
- Parke, S.A., Birch, G.G., Cutts, M.C., McDougall, D.B. & Stevens, D.A. (1996) Multisapophoric molecules - An investigation into the solution properties and taste of D-glucono-1,5-lactone, glucosamine hydrochloride, and sodium saccharin. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **21**, 653 (Abs).
- Siertsema, R.W., Birch, G.G., Mondovi, F. & Stevens, D.A. (1996) Solution properties and sweet taste of D and L sugars. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **21**, 669 (Abs).
- Eylam, S., Kennedy, L.M., & Stevens, D.A. (1966) Identification of human taste variants with decreased sensitivity to glucose, but not to fructose. Gordon Conference on the Chemical Senses. Newport, Rhode Island. Parke, S.A., Birch, G.G., Astley, T. & Stevens, D.A. (1997) Taste changes of D-glucono-1,5-lactone with time: water effects. European Chemoreception Research Organisation, Zurich. *Chemical Senses*, **22**, 219 (Abs).
- Siertsema, R.W., Birch, G.G., Astley, T. & Stevens, D.A. (1997) The sweetness anomaly of D- and L-arabinose. European Chemoreception Research Organisation, Zurich. *Chemical Senses*, **22**, 222 (Abs).
- Stevens, D.A. (1997) A context effect critical to determining taste-mixture phenomena. Association for Chemoreception Sciences/International Society for Olfaction and Taste, San Diego, California. *Chemical Senses*, **22**, 802 (Abs).
- Stevens, D.A. (1998) Semantic-free sorting of odor qualities as perceived by pemenone-osmic and allosmic subjects. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **23**, 582 (Abs).
- Stevens, D.A. and O'Connell, R.J. (1999) Semantic-free sorting of odor qualities by osmic, allosmic and anosmic subjects. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **24**, 600 (Abs.)
- Stevens, D.A. (1999) Distribution of tastant concentration affects psychophysical functions: Implication for taste mixture effects. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **24**, 602 (Abs.)

- Stevens, D.A., Higgins, T. and O'Connell, R.J. (2000) Partitioning of binary odor mixtures. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **25**, 609 (Abs.)
- Blot, K.J. and Stevens, D.A. (2000) The role of the response context in the validation of interval scaling: Implications for the use of functional measurement in the assessment of taste mixture effects. Association for Chemoreception Sciences, Sarasota, Florida. *Chemical Senses*, **25**, 636 (Abs.)
- Birch, G.G. and Stevens, D.A. (2000) A case of agusia and loss of "electric taste." International Society for Olfaction and Taste, Brighton, UK. *Chemical Senses*, **26**, 769 (Abs.)
- Blot, K.J. and Stevens, D.A. (2000) Modified use of functional measurement: An examination of context effects on taste. International Society for Olfaction and Taste, Brighton, UK. *Chemical Senses*, **26**, 759 (Abs.)
- Blot, K. and Stevens, D.A. (2001) Functional measurement of category and labeled dissimilarity scales in judgments of sweetness. Presented at annual meeting of Association for Chemoreception Sciences. Sarasota, Florida. April 2001. *Chemical Senses*, **26**, 1068. (Abs.)
- Sokol, R., Webster, K., Elfenbein, D., Thompson, N., and Stevens, D. (June 2003) An evolutionary approach to the prosody of whining. Human Behavior and Evolution Society, Lincoln, NE
- Lawless, H.T. and Stevens, D.A. (2004) Electric stimulation and metallic taste. Presented at annual meeting of Association for Chemoreception Science, Sarasota, FL. April 2004. *Chemical Senses* (2005) **30**, A86 (Abs.)
- Stevens, D.A., Cutroni, E.R., Frey, A.M., and Lawless, H.T. (2006) Comparison of responses to electrical and chemical stimuli. Presented at annual meeting of Association for Chemoreception Science, Sarasota, FL. April 2006.

PUBLISHED PAPERS, ARTICLES, AND REPORTS

- Littman, R.A., Stevens, D.A., & Whittier, J.L. (1964). Previous shock experience and response threshold to shock. *Canadian Journal of Psychology*, **18**, 93-100.
- Littman, R.A. & Stevens, D.A. (1965). Early trauma, number of animals in a cage, and avoidance learning. *Journal of Genetic Psychology*, **107**, 127-132.
- Stevens, D.A. & Leary, R.W. (1966). Reinforcement effects in the discrimination learning of Burmese cats. *Perceptual and Motor Skills*, **23**, 459-462.

- Stevens, D.A., Resnick, O., & Krus, D.M. (1967). The effects of p-chlorophenylalanine, a depletor of brain serotonin, on behavior: I. Facilitation of discrimination learning. *Life Sciences*, **6**, 2215-2220.
- Stevens, D.A., & Fechter, L.D. (1967). Effects of rewarded and nonrewarded prereversal training on discrimination reversal training rats. *Psychonomic Science*, **9**, 369-370.
- Davis, R.T., Leary, R.W., Stevens, D.A., & Thompson, R.F. (1967). Learning and perception of oddity problems by lemurs and seven species of monkeys. *Primates*, **8**, 311-322.
- Stevens, D.A. & Fechter, L.D. (1968). Relative strengths of approach and avoidance tendencies in discrimination learning of rats trained under two types of reinforcement. *Journal of Experimental Psychology*, **76**, 489-491.
- Stevens, D.A., Fechter, L.D., & Resnick, O. (1969). The effects of p-chlorophenylalanine, a depletor of brain serotonin, on behavior. II. Retardation of passive avoidance learning. *Life Sciences*, **8**, 379-385.
- Stevens, D.A. (1970). The effects of p-chlorophenylalanine on behavior. III. Facilitation of brightness discrimination in satiated rats. *Life Sciences*, **9**, 1129-1134.
- Stevens, D.A. & Koster, E.P. (1972). Open-field responses of rats to odors from stressed and nonstressed predecessors. *Behavioral Biology*, **7**, 519-525.
- Stevens, D.A. & Saplikoski, N.J. (1973). Rats' responses to con-specific muscle and blood: Evidence for an alarm substance. *Behavioral Biology*, **8**, 75-82.
- Richards, D.G. & Stevens, D.A. (1974). Some evidence for marking with urine by rats. *Behavioral Biology*, **12**, 517-522. Stevens, D.A. (1974). Determination of stimuli "neutral" with respect to generalization from horizontal-vertical stripes discrimination. *Bulletin of Psychonomic Society*, **4**, 564-566.
- Stevens, D.A. (1974). Review of Seligman, E.P. & Hager, J.L. Biological boundaries of learning. *Quarterly Review of Biology*, **49**, 273-274.
- Stevens, D.A. (1975). Laboratory methods for obtaining olfactory discrimination in rodents. In: Moulton, D.G., Turk, A., & Johnston, J.W. (Eds.), *Advances in chemoreception, V. III. Methods in olfactory research*. London: Academic Press.
- Stevens, D.A. & Wixon, D.R. (1975). Assessment of relative importance of S+ and S- after various stages of training. *Bulletin of Psychonomic Society*, **5**, 462-464.
- Stevens, D.A. & Wixon, D.R. (1976). Stimulus quality and assessment of relative importance of S+ and S-. *Journal of Experimental Psychology - Animal Behavior Processes*, **2**, 214-220.

- Stevens, D.A. (1977). Contact need, Crespi effect, and manipulation motive. In Wolman, B.B. (Ed.), *International Encyclopedia of Neurology, Psychiatry, Psychoanalysis, and Psychology*. New York: Esculapius.
- Stevens, D.A. (1977). Review of Doty, R.L. (Ed.), Mammalian olfaction, reproductive processes, and behavior. *Quarterly Review of Biology*, **52**, 456.
- Stevens, D.A. & Gerzog-Thomas, D.A. (1977). Fright reactions in rats to conspecific tissue. *Physiology and Behavior*, **18**, 47-51.
- Fass, B. & Stevens, D.A. (1977). Pheromonal influences on rodent agonistic behavior. In: Mozell, M.M. & Muller-Schwarze, D. (Eds.), *Chemical signals in vertebrates*. New York: Plenum.
- Fass, B., Gutermann, P.E., & Stevens, D.A. (1979). Evidence that resident male albino rats are not immune to attacks by conspecific intruders. *Aggressive Behavior*, **5**, 135-141.
- Yamamoto, T., Wapner, S., & Stevens, D.A. (1980). Exploration and learning of topographical relationships by the rat. *Bulletin of the Psychonomic Society*, **15**, 99-102.
- Mason, J.R., Stevens, D.A., Wixon, D.R., & Owens, M. (1980). Assessment of the relative importance of S and S- in rats using differential training on intercurrent discrimination. *Learning and Motivation*, **11**, 49-60.
- Mason, J.R., Stevens, D.A., & Rabin, M. (1980). Instrumentally conditioned avoidance by tiger salamanders (*Ambystoma tigrinum*) to chemically pure odorants. *Chemical Senses*, **5**, 99-105.
- Mason, J.R. & Stevens, D.A. (1981). Behavioral determination of thresholds for n-butyl acetate and n-butyl alcohol by tiger salamanders (*Ambystoma tigrinum*). *Chemical Senses*, **6**, 189-195.
- Mason, J.R. & Stevens, D.A. (1981). Discrimination and generalization among reagent grade odorants by tiger salamanders (*Ambystoma tigrinum*). *Physiology and Behavior*, **1981**, **26**, 647-653.
- Fass, B., Strub, H., Greenspon, J.M., Stevens, D.A., & Stein, D.G. (1981). A descriptive analysis of tail-pinch-elicited eating behavior of rats. *Physiology and Behavior*, **26**, 355-359.
- Fass, B., Mason, J.R., & Stevens, D.A. (1981). Evidence that chemical signals promote fighting between intact male hooded rats. *Bulletin of Psychonomic Society*, **17**, 156-158.
- Stevens, D.A., Mason, J.R., & Wixon, D.R. (1981). Assessment of the relative importance of S+ and S- in rats using inter-current simultaneous and successive discriminations. *Bulletin of the Psychonomic Society*, **17**, 200-202.

- Stevens, D.A. & Lawless, H.T. (1981). Age-related changes in flavor perception. *Appetite*, **2**, 127-136.
- Mason, J.R., Meredith, M., & Stevens, D.A. (1981). Odorant discrimination by tiger salamanders after combined olfactory and vomernasal nerve cuts. *Physiology and Behavior*, **27**, 125-132.
- Mason, J.R., Rabin, M.D., & Stevens, D.A. (1982). Conditioned taste aversions: Skin secretions used for defense by tiger salamanders (*Ambystoma tigrinum*). *Copeia*, 667-671.
- Lawless, H.T. & Stevens, D.A. (1983). Cross adaptation of sucrose and intensive sweeteners. *Chemical Senses*, **7**, 309-315.
- Curtis, D.W., Stevens, D.A., & Lawless, H.T. (1984). Perceived intensity of the taste of sugar mixtures. *Chemical Senses*, **9**, 107-120.
- Lawless, H.T. & Stevens, D.A. (1984). Effects of oral chemical irritation and taste. *Physiology and Behavior*, **32**, 996-998.
- Stevens, D.A. & Lawless, H.T. (1986). Putting out the fire: Effects of tastants on oral chemical irritation. *Perception and Psychophysics*, **39**, 346-350.
- Stevens, D.A. & Lawless, H.T. (1987). Enhancement of responses to sequential presentation of oral chemical irritants. *Physiology and Behavior*, **39**, 63-65.
- Stevens, D.A. & Lawless, H.T. (1987). Sequential interaction of oral irritants. In Roper, S. (Ed.), *Olfaction and taste IX. Annals of the New York Academy of Sciences*, **510**, 642-643.
- Lawless, H.T. & Stevens, D.A. (1988). Responses by humans to oral chemical irritants as a function of locus of stimulation. *Perception and Psychophysics*, **43**, 72-78.
- Stevens, D.A., Dooley, D.A., & Laird, J.D. (1988). Explaining individual differences in flavor perception. In: Thomson, D.M.H. (Ed.), *Food acceptability*. London: Elsevier Scientific.
- Kennedy, L.M., Saul, L.R., SefECKA, R., & Stevens, D.A. (1988). Hodulcin: Selective sweetness-reducing principle from *Hovenia dulcis* leaves. *Chemical Senses*, **13**, 529-543.
- O'Connell, R.J., Stevens, D.A., Coppola, D.M., Grant, A.J., & Akers, R.P. (1989). Qualitative and quantitative responses of osmic and anosmic subjects to various odors. *Chemical Senses*, **14**, 293-302.
- Lawless, H.T. & Stevens, D.A. (1989). Mixtures of oral chemical irritants. In: Laing, D.G., Cain, W.S., Ache, B.W., McBride, R.L. (Eds.), *Perception of complex smells and tastes*. Sydney: Academic Press. pp. 297-309.

- Stevens, D.A. (1990). Personality variables in the perception of oral irritation and flavor. In: Green, B. & Mason, J.R.(Eds.), *Chemical Senses, v. 2: Irritation*. New York: Marcel Dekker. pp. 217-228.
- Lawless, H.T. & Stevens, D.A. (1990). Neurophysiological and perceptual implications of differences between and interactions of oral irritants. In: Green, B. & Mason, J.R. (Eds.), *Chemical Senses, v. 2: Irritation*. New York: Marcel Dekker. pp. 197-211.
- Stevens, D.A. & O'Connell, R.J. (1991). Individual differences in thresholds and quality reports of human subjects to various odors. *Chemical Senses*, **16**, 57-67.
- Stevens, D.A. (1991). Individual differences in taste and smell. In: Klein, B.P. & Lawless, H.T. (Eds.), *Sensory Science Theory and Applications in Foods*. New York: Marcel Dekker. pp. 295-316.
- O'Connell, R.J., Stevens, D.A., & Zogby, L. (1994). Individual differences in the perceived intensity and quality of specific odors following self- and cross-adaptation. *Chemical Senses*, **19**, 197-208.
- O'Connell, R.J. & Stevens, D.A. (1994). Individual differences in the quality perceptions of specific anosmics. *Aromachology Review*, **3**, Nr. 1.
- Stevens, D.A. & O'Connell, R.J. (1995). Enhanced sensitivity to androstenone following regular exposure to pemenone. *Chemical Senses*, **20**, 413-419.
- Stevens, D.A. & O'Connell, R.J. (1996) Semantic-free scaling of odor quality. *Physiology and Behavior*, **60**, 211-215.
- Stevens, D.A. (1996) Individual differences in taste perception. *Food Chemistry*, **56**, 303-311.
- Stevens, D.A. and O'Connell, R.J. (1996) Pemenone and androstenone do not cross-adapt reciprocally. *Chemical Senses*, **21**, 711-717.
- Parke, S.A., Birch, G.G., MacDougall, D.B. & Stevens, D.A. (1997) Tastes, structure and solution properties of D-glucono-1,5-lactone. *Chemical Senses*, **22**, 53-65.
- Pietrzak, R.H., Laird, J.D., Stevens, D.A. & Thompson, N.S. (2002) Sex differences in human jealousy: A coordinated study of forced-choice, continuous rating-scale, and physiological responses on the same subjects. *Evolution and Human Behavior*, **23**, 83-93.
- Golding, J., Stevens, D. & Bibace, R. (2005). *Listening is not hearing: Improving diagnostic accuracy in cardiac auscultation*. In R. Bibace, J. Laird, K. L. Noller, & J. Valsiner (Eds.), *Science and medicine in dialogue: Thinking through particulars and universals*. Westport, CT: Greenwood.

- Lawless, H.T., Stevens, D.A., Chapman, K.W. & Kurtz, A. (2005) Metallic taste from electrical and chemical stimulation. *Chemical Senses*, **30**, 185-194.
- Sokol, R.I., Webster, K.L., Thompson, N.S., & Stevens, D.A. (2005). Whining as mother-directed speech. *Infant and Child Development*, *14*, 478-490.
- Stevens, D.A., Smith, R.F., & Lawless, H.T. (2006). Multidimensional scaling of ferrous sulfate and basic tastes. *Physiology and Behavior*, *87*, 272-279.