

DELBERT D. THIESSEN

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BIOGRAPHICAL SKETCH

Date of Birth: August 13, 1932
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EDUCATIONAL HISTORY

1954-1955 University of Denver
1956-1958 BA with great distinction and honors
San Jose State College (Major: Psychology)
1961 Jackson Laboratories, Bar Harbor, Maine
1958-1963 PhD University of California at Berkeley
(Subject: Psychology)

EDITORSHIPS

Editorial Advisory Board Behavior Genetics
Associate Editor Journal of Comparative Psychology
BBS Associate Behavioral and Brain Sciences

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Phi Kappa Phi
American Association for the Advancement of Science
Alumni Association, Roscoe B. Jackson Memorial Laboratory, Bar Harbor, ME
American Psychological Association (Fellow)
Sigma Xi
Psychonomic Society
Animal Behavior Society
Southwestern Psychological Association
International Society for Developmental Psychobiology
Behavior Genetics Association
International Society for Research on Aggression
Who's Who in America
Who's Who in the South and Southwest
The National Association of Scholars

PROFESSIONAL HISTORY

- 1960 - 1961 Public Health Fellow, MF 11, 174. Sponsors:
Drs. David A. Rodgers and Gerald E. McClearn
- Summer, 1961 Public Health Fellow, CTR, 5013. Sponsor:
Dr. John L. Fuller
- 1961 Public Health Fellow, MF 11,174. Sponsor:
Dr. Gerald E. McClearn
- Fellow, Summer Institute in Behavioral Genetics, University of California, Berkeley
- Fall, 1964 Instructor in physiological psychology, University of California Extension, La Jolla
- 1962 - 1965 Section of Medical Psychology, Division of Psychiatry and Neurology, Scripps Clinic and
Research Foundation, La Jolla, California
- 1965 - 1967 Assistant Professor and Assistant Chairman, Department of Psychology, University of
Texas at Austin
- 1968 - 1971 Associate Professor, Department of Psychology, University of Texas at Austin
- 1971 - present Professor, Department of Psychology, University of Texas at Austin

GRANTS AWARDED

- 1967 - 1972 Career Development Award: NIMH 11 174 Single gene substitution and behavior in
mice.
- 1969 - 1972 Russell Sage Foundation, Center for Behavior Genetics and Evolution Award.
- 1969 - 1974 NSF-USDP Center for Behavior Genetics Individual Research Funds awarded to D. D.
Thiessen.
- 1970 - 1971 NIMH 19750-01 Isoenzyme techniques.
- 1967 - 1980 NIMH Research Grant MH 14076 (01 - 13 grant periods).
- 1970 - 1975 NIMH Training grant in Behavior Genetics and Evolution (with Zoology) MH 12476.
- 1975 University Research Institute, University of Texas at Austin, Faculty Development Award.
- 1980 - present NIMH Research award MH 14076 - Pheromone Communication and Social Behavior.

ORIGINAL INVESTIGATIONS

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- Thiessen, D. D., Whitworth, N., & Rodgers, D. A. Reproductive variables and alcohol consumption of the C57BL/Crgl female mouse. Quart. J. Stud. Alc., 1966, 27, 591-595.
- Thiessen, D. D. The relation of social position and wounding to exploratory behavior and organ weights in house mice. J. Mammal., 1966, 47, 28-34.
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- Thiessen, D. D. Pleiotropism in behavior genetics: The mouse as a research instrument. Percept. Mot. Ski., 1966, 23, 901-902.
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- Lindzey, G., Thiessen, D. D., & Tucker, A. Development and hormonal control of territorial marking in the male Mongolian gerbil (*Meriones unguiculatus*). *Devl. Psychobiol.*, 1968, 1, 97-99.
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- Randall, J. Comparison of sandbathing and grooming in two species of kangaroo rats. Anim. Behav., 1981, 29, 1213-1219 (supported in part by MN 14076-13, awarded to D.D.T.)
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- Akins, C. & Thiessen, D. D. Lipopolysaccharide decreases ambient temperature preference in Mongolian gerbils, *Meriones unguiculatus*. Percept. Motor Skills, 1990, 71, 1-2.
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CHAPTERS

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BOOKS

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NON-EXPERIMENTAL ARTICLES, REVIEWS

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- Thiessen, D. D. Sex: One way or the other. A review of Man and woman, boy and girl by J. Money & A. A. Ehrhardt. Contemp. Psychol., 1974, 19(6), 433.
- Thiessen, D. D. Hormones and Behavior. A review of Hormonal correlates of behavior, I, & Hormonal correlates of behavior, II: An organistic view, B. E. Eleftheriou and R. L. Sprott (Eds.). Bioscience, 1977, 27(2), 130.
- Thiessen, D. D. Comparative sex in vitro. A review of Endocrine control of sexual behavior: Comprehensive endocrinology series, C. Beyer (Ed.). Contemp. Psychol., 1980, 25(9), 724.
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- Thiessen, D. D. A review of Morality as a biological phenomenon, G. S. Stent (Ed.). Soc. Biol., 1983, 30(1), 122-125.
- Thiessen, D. D. Comparative psychology through the ages. A review of Comparative psychology in the twentieth century by D. A. Dewsbury. Contemp. Psychol., 1985, 30(2), 109-110.
- Thiessen, D. D. A review of Mammalian parenting: Biochemical, neurological, and behavioral determinants, A. Krasnegor & R. D. Bridges (Eds.). Oxford University Press, 1990, American Journal of Human Biology, 1990.

PAPERS READ AT MEETINGS AND INVITED PRESENTATIONS

Thiessen, D. D. & McGaugh, J. L. Conflict and curiosity in the rat. Western Psychological Association, Monterey, CA, 1958.

McClearn, G. E. & Thiessen, D. D. Comparison of three inbred mouse strains on visual and tactual discriminations. Western Psychological Association, Seattle, WA, 1961.

Thiessen, D. D. & McClearn, G. E. Thirst and alcohol preference of inbred strains of mice. Western Psychological Association, San Francisco, CA, 1962.

Thiessen, D. D. Behavioral and endocrine responses of six inbred strains of mice to variations in population density. American Psychological Association, PA, 1963.

Thiessen, D. D. Behavioral and morphological features of the wabblor lethal mouse. American Psychological Association, Los Angeles, CA, 1964.

Whitworth, N. S., Thiessen, D. D., & Rodgers, D. A. Reproductive variables and alcohol consumption of the C57BL/6J Crgl female mouse. American Psychological Association, Los Angeles, CA, 1964.

Thiessen, D. D. The genetics, physiology and behavior of increases in population density. Claremont Graduate School, Department of Psychology, Claremont, CA, 1965.

Thiessen, D. D. Mechanisms of social behavior among mice derived from inbred strains. Western Psychological Association, Honolulu, HI, 1965.

Thiessen, D. D. Effects of social status and early experience on behavior and amphetamine toxicity of different strains of mice. American Association Advancement of Science, Washington, DC, 1966.

Thiessen, D. D. & Lindzey, G. Pleiotropism in behavior genetics: The mouse as a research instrument. Southwestern Psychological Association, Houston, TX, 1967.

Tucker, A., Thiessen, D. D., Lindzey, G., & Blum, S. Effects of social dominance and amphetamine toxicity on mice. Southwestern Psychological Association, Houston, TX, 1967.

Blum, S., Thiessen, D. D., & Lindzey, G. Spontaneous seizures in the gerbil. Southwestern Psychological Association, Houston, TX, 1967.

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Blum, S. & Thiessen, D. D. A territorial marking response in the gerbil (Meriones unguiculatus). Southwestern Psychological Association, New Orleans, LA, 1968.

Friend, H. C. & Thiessen, D. D. Androgen control of territorial marking in the Mongolian gerbil (Meriones unguiculatus). Southwestern Psychological Association, New Orleans, LA, 1968.

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- Thiessen, D. D. The regulation of territorial marking in the Mongolian gerbil. American Association Advancement of Science, Dallas, TX, 1968.
- Thiessen, D. D. Social aspects of territorial marking in the Mongolian gerbil (Meriones unguiculatus). Society for Psychophysiological Research, Ninth Annual Meeting, Monterey, CA, 1969.
- Thiessen, D. D. Hormone and brain control of territoriality in the gerbil. Psychonomic Society, St. Louis, MO, 1969.
- Thiessen, D. D. & Yahr, P. Hormone regulation of ventral marking and chinning of territories in the Mongolian gerbil. American Association Advancement of Science, Boston, MA, 1969.
- Thiessen, D. D. A short review of territorial marking in the Mongolian gerbil (Meriones unguiculatus). Southwestern Psychological Association, St. Louis, MO, 1970.
- Yahr, P. (sponsored by D. D. Thiessen). Central control of territorial marking in the Mongolian gerbil. Southwestern Psychological Association, St. Louis, MO, 1970.
- Wallace, P. (sponsored by D. D. Thiessen). Olfactory preference and territorial marking in the Mongolian gerbil. Southwestern Psychological Association, St. Louis, MO, April, 1970.
- Owen, K. (sponsored by D. D. Thiessen). Gene induction and territorial marking in the Mongolian gerbil. Southwestern Psychological Association, St. Louis, MO, April, 1970.
- Nyby, J. (sponsored by D. D. Thiessen). Antagonistic effects of estrogen but not progesterone on territorial marking in the male Mongolian gerbil. Southwestern Psychological Association, St. Louis, MO, April, 1970.
- Owen, K. & Thiessen, D. D. Single gene effects of the albino locus on sensory-motor problems. Southwestern Psychological Association, St. Louis, MO, April, 1970.
- Thiessen, D. D. The effects of olfactory deprivation and hormones on territorial marking in the Mongolian gerbil. Psychonomic Society Tenth Annual Meeting, San Antonio, TX, November, 1970.
- Thiessen, D. D. & Lindzey, G. A short review of findings: A model for consideration. Southwestern Psychological Association, San Antonio, TX, April, 1970.
- Thiessen, D. D. Genetic and hormonal regulatory mechanisms in the study of territoriality: A move toward species-specific analyses in behavior genetics. First Annual Meeting of the Behavior Genetics Association, Storrs, CT, April, 1971.
- Nyby, J. (sponsored by D. D. Thiessen). Hormone influences: Testosterone vs. estrogen. Southwestern Psychological Association, San Antonio, TX, April, 1971.
- Yahr, P. (sponsored by D. D. Thiessen). Hormone and brain interaction: The locus of response. Southwestern Psychological Association, San Antonio, TX, April, 1971.
- Wallace, P. (sponsored by D. D. Thiessen). The social cause and effect of territorial marking. Southwestern Psychological Association, San Antonio, TX, April, 1971.
- Dawber, M. (sponsored by D. D. Thiessen). Territoriality as a mechanism of evolution. Southwestern Psychological Association, San Antonio, TX, April, 1971.

- Owen, K. (sponsored by D. D. Thiessen). Genetic influences: Regulators in the brain. Southwestern Psychological Association, San Antonio, TX, April, 1971.
- Thiessen, D. D. Hormone and brain control of territoriality in the gerbil. Psychonomic Society Eleventh Annual Meeting, St. Louis, MO, November, 1971.
- Thiessen, D. D. Behavior genetics: A discipline in transition. Texas Psychological Association, Corpus Christi, TX, December, 1971.
- Dawber, M. & Thiessen, D. D. Territoriality as a factor in forcing migration and reproductive isolation. American Association Advancement of Science, Philadelphia, PA, 1971.
- Wallace, P., Owen, K., & Thiessen, D. D. The control and function of maternal scent marking in the gerbil. Fifth Annual Winter Conference on Brain Research. Vail, CO, January, 1971.
- Thiessen, D. D. Panel Workshop: Neuroendocrine bases of species regulation. Sixth Annual Winter Conference on Brain Research, Vail, CO, January, 1972.
- Thiessen, D. D. Biological keys for eliciting territorial behavior. Conference on Prospects in Behavior Genetics, Austin, TX, March, 1973.
- Thiessen, D. D. Identification of a ventral scent marking pheromone in the male Mongolian gerbil (Meriones unguiculatus): The Harderian gland. American Psychological Association, Eighty-second Meeting, New Orleans, LA, August, 1974.
- Thiessen, D. D. Chemocommunication in mice, monkeys and men. Invited Farris Visiting Professor Seminar, Texas Department Mental Health and Mental Retardation, February, 1975.
- Thiessen, D. D. Thermoenergetics of pheromone communication. 1975 Annual Meeting Behavior Genetics Association, Austin, TX, March, 1975.
- Wallace, P., Thiessen, D. D., & Isaacks, N. Scent marking behavior in the female Mongolian gerbil: Hormonal control and functional significance. Tape-slide presentation at the Winter Conference on Brain Research, Steamboat Springs, CO, 1975.
- Thiessen, D. D. Social and physiological mechanisms in the Mongolian gerbil (Meriones unguiculatus). Invited address: Department of Zoology, University of Alberta, Alberta, Canada, September, 1975.
- Thiessen, D. D. Hormonal and brain mechanisms of territorial behavior. Invited address: Department of Psychology, University of Michigan, Ann Arbor, MI, March, 1975.
- Thiessen, D. D. Social behavior in the Mongolian gerbil. Department of Psychology, Northeastern University, Boston, MA, March, 1975.
- Thiessen, D. D. Behavior Genetics. Invited series of colloquia, Department of Psychology, University of Alberta, Alberta, Canada, March, 1975.
- Thiessen, D. D. Chemocommunication in rodents. Department of Psychology, University of Pittsburgh, Pittsburgh, PA, December, 1975.
- Skeen, J. T. & Thiessen, D. D. The scent of gerbil cuisine. Sixth Annual Behavior Genetics Association, Boulder, CO, 1976.

- Thiessen, D. D. Methodology and strategies in the laboratory. Symposium on Chemical Signals in Vertebrates. Saratoga Springs, NY, June, 1976.
- Thiessen, D. D. The gerbil in genetic investigations. Institute of Behavioral Genetics, Boulder, CO, June, 1976.
- Thiessen, D. D. Olfactory communication from mouse to man. Southwestern University, Georgetown, TX, September, 1976.
- Thiessen, D. D. Animal communication. Harvard University, Cambridge, MA, April, 1977.
- Thiessen, D. D. Communication systems, evolution and physiological mechanisms. Southwestern Psychological Association, April, 1977.
- Clancy, A. N. & Thiessen, D. D. Social functions of the Harderian gland pheromone in the Mongolian gerbil, Meriones unguiculatus. Seventh Annual Meetings, Behavior Genetics Association, Louisville KY, April, 1977.
- Graham, M. & Thiessen, D. D. Sexual dimorphism and individual differences in the ultrasonic signaling of Mongolian gerbils (Meriones unguiculatus). Seventh Annual Meeting, Behavior Genetics Association, Louisville, KY, April, 1977.
- Thiessen, D. D. Three systems of communication in rodents. University of California, Berkeley, CA, May, 1977.
- Thiessen, D. D. The language code of olfactory molecules. San Jose State University, San Jose, CA, May, 1977.
- Thiessen, D. D. Communication in the gerbil. Invited address: Carnegie-Mellon University, Pittsburg, PA, October, 1978.
- Thiessen, D. D. Biological trends in behavior genetics. NATO Conference on Theoretical Issues in Behavior Genetics, Banff, Canada, October, 1978.
- Gregg, B. R. & Thiessen, D. D. Modification of ventral scent marking in the gerbil by substrate composition and temperature. Meeting of the Animal Behavior Society, The University of Washington, Seattle, WA, 1978.
- Kittrell, E. M. W. & Thiessen, D. D. Behavioral thermoregulation in the gerbil by the spread of Harderian material. Meeting of the Animal Behavior Society, The University of Washington, Seattle, WA, 1978.
- Gregg, B. R. & Thiessen, D. D. Urine marking in the gerbil (Meriones unguiculatus). Meeting of the Animal Behavior Society, Tulane University, New Orleans, LA, 1979.
- Kittrell, M. & Thiessen, D. D. Behavioral thermoregulation in the gerbil by the spread of Harderian material. Meeting of the Association of Chemoreception Sciences, Sarasota, FL, 1980.
- Gregg, B. & Thiessen, D. Modification of ventral scent marking in the gerbil by substrate composition and temperature. Meeting of the Association of Chemoreception Sciences, Sarasota, FL, 1980.
- Gregg, B. & Thiessen, D. D. Urinary discrimination in female Mongolian gerbils. Meeting of the Animal Behavior Society, Fort Collins, CO, June, 1980.
- Thiessen, D. D. The thermoenergetics of communication: Olfaction as a case in point. Distinguished lecturer, International Society for Developmental Psychobiology, Cincinnati, OH, November 8, 1980.
- Ross, M. & Thiessen, D. D. The use of a sociobiological questionnaire (SQ) for the assessment of sexual dimorphism and assortative mating. American Sociological Association, Toronto, Canada, August, 1981.

- Thiessen, D. D. New directions in evolution and behavior. Symposium: Comparative Psychology. Southwestern Psychological Association, Houston, TX, April, 1981.
- Thiessen, D. D., Pendergrass, M., & Harriman, A. E. The thermoenergetics of coat colour maintenance by the Mongolian gerbil, Meriones unguiculatus. Animal Behavioral Society, Knoxville, TN, June, 1981.
- Ross, M. & Thiessen, D. D. A sociobiological questionnaire (SQ) to assess sexual dimorphism and assortative mating. American Psychological Association, Los Angeles, CA, August, 1981.
- Thiessen, D. D. Self-organizing phenotypes and evolution. Behavior Genetics Association, Purchase, NY, June, 1981.
- Thiessen, D. D. The thermoenergetics of communication. Conference on "Symbiosis", Chicago, IL, October, 1981, (H. Moltz & L. Rosenblum, conference hosts).
- Pendergrass, M. & Thiessen, D. D. Harderian influence on mother-infant interactions in the Mongolian gerbil. International Society for Developmental Psychobiology, New Orleans, LA, November, 1981.
- Thiessen, D. D. & Harriman, A. E. Thermal and osmotic properties of pheromonal communication in the gerbil, Meriones unguiculatus. Third Symposium of Chemical Signals in vertebrates, Sarasota, FL, April, 1982.
- Thiessen, D. D. Self-organization, allometry and the evolution of behavior. Western Psychological Association, San Francisco, CA, April, 1983.
- Thiessen, D. D. Rape as a reproductive strategy: Our evolutionary legacy. American Psychological Association, Anaheim, CA, August, 1983.
- Thiessen, D. D. Twenty years in comparative psychology. American Psychological Association, Anaheim, CA, August, 1983.
- Thiessen, D. D. & Cocke, R. Chemical communication: Prey-predator interactions. International Society of Chemical Ecology, Austin, TX, June, 1984.
- Cocke, R. & Thiessen, D. D. Chemosignals and prey-predator adaptations. Southwestern Comparative Psychology Association, Austin, TX, April, 1985.
- Thiessen, D. D. The case for an evolutionary explanation of human assortative mating. Southwestern Comparative Psychology Association, Austin, TX, April, 1985.
- Thiessen, D. D. & Cocke, R.. Chemocommunication in prey-predator interactions. Fourth International Conference on Chemical Signals in Vertebrates, University of Wyoming, Laramie, WY, July, 1985.
- Thiessen, D. D. Allometry as a tool leading to explanations of behavioral variation. Invited address, Southwestern University, March, 1986.
- Thiessen, D. D. Allometry as a tool in comparative psychology. Southwestern Comparative Psychology Association, Ft. Worth, TX, April, 1986.
- Cocke, R. & Thiessen, D. D. Predator attraction to prey alarm odors in the Mongolian gerbil. Southwestern Comparative Psychology Association, Fort Worth, TX, April, 1986.
- Thiessen, D. D. Allometry and the principle of preferred behavior. Behavior Genetics Association, Honolulu, HI, June, 1986.

- Cocke, R. & Thiessen, D. D. Prey-predator interactions and alarm signals. Southwestern and Rocky Mountain Division American Association for the Advancement of Science, Austin, TX, April, 1987 (Awarded outstanding paper).
- Thiessen, D. D. Thermoregulation and the Harderian gland. Southwestern and Rocky Mountain Division American Association for the Advancement of Science, Austin, TX, April, 1987.
- Thiessen, D. D. Sociobiology: The last Darwinian assault on the intellectual isolation of the social sciences. Invited address, British Studies Group, Austin, TX, January, 1987.
- Thiessen, D. D. Allometric relationships between body dimensions can explain sexual selection. Symposium, Southwestern Comparative Psychology Association, New Orleans, LA, April, 1987.
- Cocke, R. & Thiessen, D. D. Alarm odors suppress the immune system. UT/TA&M Conference on Biopsychology. Bastrop, TX, February 20, 1988.
- Cocke, R. & Thiessen, D. Stress odors and immune suppression. Southwestern Comparative Psychology Association (SWPA), Tulsa, OK, April, 1988.
- Thiessen, D. D. & Grant, M. Harderian gland and saliva excretions control body temperature in the gerbil. Southwestern Comparative Psychology Association (SWPA), Tulsa, OK, April, 1988.
- Cocke, R. & Thiessen, D. Alarm chemosignals suppress the immune system. Chemical Signals, Oxford University, August 9, 1988.
- Cocke, R. & Thiessen, D. D. Alarm chemosignals and immune suppression. American Association for the Advancement of Science, San Francisco, CA, January, 1989.
- Thiessen, D. D. The changing face of comparative psychology: Female selection pressures on males: which came first, selection or sexual dimorphism. American Association for the Advancement of Science (regional), Las Cruces, NM, April, 1989.
- Young, R. K. & Thiessen, D. D. The Texas Rape Scale. American Association for the Advancement of Science (regional), Las Cruces, NM, April, 1989.
- Zalaquett, C. & Thiessen, D. Avoidance of alarm odors. American Association for the Advancement of Science (regional), Las Cruces, NM, April, 1989.
- Cocke, R. & Thiessen, D. D. Alarm chemosignals and immune suppression. American Association for the Advancement of Science (regional), Las Cruces, NM, April, 1989.
- Thiessen, D. Stress, immunity and behavior. Psi Chi, Austin, TX, December, 1989.
- Thiessen, D. Prohibited research topics. Conference on Ideologically-based Suppression of Research in Social Science. Austin, TX, March, 1990.
- Thiessen, D. Mating strategies. Conference on Student and Staff Development. Austin, TX, February, 1990.
- Thiessen, D. Sexual variations in mating strategies. Psychology Club, Austin, TX, January, 1990.
- Thiessen, D. Sexual variations in mating strategies. Psychology Club, Austin, TX, November, 1990.

Thiessen, D. Darwins influence on our understanding of human social behavior. Invited address, Southwestern University, October 31, 1990.

Thiessen, D. Sex, romance and evolution. Invited address, LBJ School, December, 1991.