

CURRICULUM VITAE

NAME: James D. Dougan

CURRENT POSITION: Associate Professor of Psychology
Illinois Wesleyan University

ADDRESS: 13809 Shelby Court
Bloomington, IL 61704
(309) 828-5032
or
Department of Psychology
Illinois Wesleyan University
Bloomington, Illinois 61702
(309) 556-3415

EMAIL: jdougan@titan.iwu.edu

DATE AND PLACE OF BIRTH: July 5, 1958
Seattle, Washington

MARITAL STATUS: Married to Valeri Farmer-Dougan (Ph. D. - Psychology)

EDUCATION: B.A. Whitman College, 1981, Cum Laude
M.S. Washington State University, 1983
Ph.D. Washington State University, 1985

HONORS: Phi Beta Kappa
Signet Table
Honors in Major Study, Whitman College
Outstanding Graduate in Psychology, Whitman College
Ann. C. Holland Fellowship, Washington State University

PROFESSIONAL EXPERIENCE:

Fall 1981-Summer 1985: Graduate Teaching Assistant and
Graduate Research Assistant, Washington State University

Fall 1985 - Spring, 1990: NIMH Postdoctoral Fellow and Visiting Assistant
Professor, Indiana University

Fall 1990 - Fall, 1996: Assistant Professor of Psychology, Illinois Wesleyan
University

Fall 1996 - Present: Associate Professor of Psychology, Illinois Wesleyan
University

FUNDED GRANTS:

Physiological Approaches to Behavioral Contrast. NIMH Postdoctoral Fellowship, Indiana University, 1986-88.

Behavioral Economics in Two Hamster Species. Illinois Wesleyan University Faculty Development (ASD) Grant, 1990-91.

Human Behavioral Economics. Illinois Wesleyan University Faculty Development (ASD) Grant, 1992-93.

Response Function Tonicity on Simple Interval Schedules. Illinois Wesleyan University Faculty Development (ASD) Grant, 1993-94.

Academic Research Infrastructure Program Grant - (\$259,803.00) to build animal facility in new Science building. National Science Foundation Grant, 1993 - 1995.

Statistics for the Natural Sciences. Illinois Wesleyan University Curriculum Development Grant, 1996.

Environmental Enrichment and Quantitative Behavior Analysis with Malaysian Sun Bears (*Helarctos malayanus*). Illinois Wesleyan University Faculty Development (ASD) Grant, 2001.

PUBLICATIONS:

PAPERS IN REFEREED JOURNALS:

Dougan, J.D. & Eacker, J.N. (1982). Interference between licking and bar-pressing responses during a multiple schedule of food reinforcement. *Behaviour Analysis Letters*, 2, 79-86.

Dougan, J.D., McSweeney, F.K., O'Reilly, P.E., & Eacker, J.N. (1983). Negative automaintenance: Pavlovian conditioning or differential reinforcement? *Behaviour Analysis Letters*, 3, 201-212.

Dougan, J.D., O'Reilly, P.E., McSweeney, F.K., & Eacker, J.N. (1983). Recovery of pre-omission baseline as a function of responding during omission training. *Behaviour Analysis Letters*, 3, 381-389.

Dougan, J.D. & McSweeney, F.K. (1985). Variation in Herrnstein's r_0 as a function of alternative reinforcement rate. *Journal of the Experimental Analysis of Behavior*, 43, 215-223.

- Dougan, J.D., McSweeney, F.K., and Farmer, V.A. (1985). Some parameters of behavioral contrast and allocation of interim behavior in rats. *Journal of the Experimental Analysis of Behavior*, 44, 325-335.
- McSweeney, F.K., Farmer, V.A., Dougan, J.D., & Whipple, J.M. (1986). The generalized matching law as a description of multiple schedule responding. *Journal of the Experimental Analysis of Behavior*, 45, 83-101.
- McSweeney, F.K., Dougan, J.D., & Farmer, V.A. (1986). Simple and multiple schedule responding and behavioral contrast when pigeons press treadles. *Behavioural Processes*, 12, 273-285.
- McSweeney, F.K., Dougan, J.D., Higa, J.J., & Farmer, V.A. (1986). Behavioral contrast as a function of component duration and baseline rate of reinforcement. *Animal Learning and Behavior*, 14, 173-183.
- Dougan, J.D., McSweeney, F.K., & Farmer, V.A. (1986). Behavioral contrast in competitive and non-competitive environments. *Journal of the Experimental Analysis of Behavior*, 46, 185-197.
- Dougan, J.D. (1987). Reinforcement in the 16th century: Was the bard a behaviorist? *The Behavior Analyst*, 10, 189-196.
- Komisky, H.L., Buck, M.A., Mundinger, K.L., McSweeney, F.K., Farmer-Dougan, V.A., & Dougan, J.D. (1987). Effect of aging on anticonflict and CNS depressant activity of Diazepam in rats. *Psychopharmacology*, 93, 443-448.
- Dougan, J.D., Farmer-Dougan, V.A., & McSweeney, F.K. (1989). Behavioral contrast in pigeons and rats: A comparative analysis. *Animal Learning and Behavior*, 17, 247-255.
- Timberlake, W., & Dougan, J.D. (1990). Total duration weighted by frequency: A meaningful measure? *The Behavior Analyst*, 13, 17-19.
- Dinsmoor, J.A., Dougan, J.D., Pfister, J., & Thiels, E. (1992). The autoshaping procedure as a residual block clock. *Journal of the Experimental Analysis of Behavior*, 58, 265-276.
- Dougan, J.D. (1992). Inelastic supply: An economic approach to simple interval Schedule. *Journal of the Experimental Analysis of Behavior*, 58, 415-429.
- Dougan, J.D., Kuh, J.A., & Vink, K. (1993). On the true form of the VI response function: Within-session satiation and regulation processes. *Journal of the Experimental Analysis of Behavior*, 60, 543-557.

- Dougan, J.D. (1994). Gallistel's *The Organization of Learning*: This is not creation science. *Journal of the Experimental Analysis of Behavior*, 62, 435 - 444.
- Campbell, L.S., & Dougan, J.D. (1995). Within-session changes in the VI response Function: Separating food density from elapsed session time. *Journal of the Experimental Analysis of Behavior*, 64, 95 - 110.
- Farmer-Dougan, V.A., & Dougan, J.D. (1999). The man who listens to behavior: Folk wisdom and behavior analysis from a *real* Horse Whisperer. *Journal of the Experimental Analysis of Behavior*, 72, 139-149.
- Martin, J.C., Dougan, J.D., Wu, Q., Stanisiz, L.A., Martyn, S., Rokosik, S., Garris, P.A., & Farmer-Dougan, V.A. (2004) Locomotion induced by non-contingent intracranial electrical stimulation: Dopamine dependence and general characteristics. *Behavioural Processes*, 67, 131-146.
- Farmer-Dougan, V.A., Dougan, J.D., Rokosik, S., Lewis, J. & Garris, P.A. (2004). Locomotion induced by non-contingent intracranial stimulation: Comparison to psychomotor stimulant. *Behavioural Processes*, 67, 245-261.
- Farmer-Dougan, V.A., Chandrashekar, S., Stutzman, D., Bradham, K., & Dougan, J.D. (2005). Fox urine as an aversive stimulus: Modification of a passive avoidance task. *Journal of General Psychology*, 18, 341-358.
- Farmer-Dougan, V.A., & Dougan, J.D. (2005) Behavioral contrast in a group foraging paradigm. *International Journal of Comparative Psychology*, 18, 340-357.
- Bratcher, N. A., Farmer-Dougan, V., Dougan, J. D., Heidenreich, B. A., & Garris, P. A. (2005). The role of dopamine in reinforcement: Changes in reinforcement sensitivity induced by D1-type, D2-type, and nonselective dopamine receptor agonists. *Journal of the Experimental Analysis of Behavior*, 84, 371- 399.

PAPERS IN NON-REFEREED JOURNALS:

- McSweeney, F.K., Dougan, J.D., & Farmer, V.A. (1986). Simple and signal-key multiple schedule responding and behavioral contrast. *Bulletin of the Psychonomic Society*, 24, 88-90.

BOOK CHAPTERS:

- Dougan, J.D. (1983). Skinner, equipotentiality, and the new law of effect. In K. Wollen (Ed.) Explorations in Psychology, Dubuque, Iowa: Kendall/Hunt.

Davis, R.T., and Dougan, J.D. (1987). The phylogeny of information processing. In R.C. Bolles & M.D. Beecher (Eds.) Evolution and Learning, Hillsdale NJ: Lawrence Erlbaum.

Dinsmoor, J.A., Thiels, E., Lee, D.M., Pfister, J.F., & Dougan, J.D. (1989). Selective observing: Pigeons turn discriminative stimuli on and off by pecking separate keys. Proceedings of the XXIVth International Congress of Psychology. Vol 6: Psychobiology: Issues and Applications (pp. 415-428). Amsterdam; Elsevier.

PUBLISHED INSTRUCTIONAL MATERIALS:

Farmer-Dougan, V.A., & Dougan, J.D. (1990). Test Bank for N.R. Carlson Psychology: The Science of Behavior, 3rd edition. Boston: Allyn and Bacon.

Farmer-Dougan, V.A., & Dougan, J.D. (1991). Psychology of Childhood and Adolescence. Bloomington, IN: Indiana University Independent Study Program.

PUBLISHED ABSTRACTS:

Farmer-Dougan, V.A., Bratcher, N. A., Dougan, J.D., & Heidenreich, B.A. (2002). Disruption of matching behavior in an operant conditioning paradigm by dopamine D1 but not D2 agonists. *Society for Neuroscience Abstracts, online*.

PAPER AND POSTER PRESENTATIONS:

Dougan, J.D. "Differential polydipsia, negative behavioral contrast, and negative matching of lick rate in multiple schedules." Western Psychological Association, 1980.

Dougan, J.D. "A parametric analysis of behavioral contrast in rats." Invited Address, Whitman College, 1983.

Dougan, J.D. "Species and response-form differences in behavioral contrast." Invited Address, Whitman College, 1984.

Dougan, J.D. "Multiple causes of behavioral contrast." Association for Behavior Analysis, 1985.

McSweeney, F.K., & Dougan, J.D. "Positive treadle-press contrast as a function of component duration." Psychonomic Society, 1985.

- Komisky, H.L., Buck, M.A., Mundinger, K.L., McSweeney, F.K., Farmer, V.A., & Dougan, J.D. "Diazepam elicits an age-related anticonflict and CNS depressant effect in the rat." Federation of American Societies for Experimental Biology, 1986.
- Dougan, J.D. "To compete or not to compete: Notes on the relationship between behavioral contrast and interim behavior allocation." Indiana-Purdue-Kentucky Animal Behavior Conference, 1986.
- Dougan, J.D., & Farmer-Dougan, V.A. "An observational analysis of response-independent reinforcement schedules." Association for Behavior Analysis, 1986.
- Farmer-Dougan, V.A., & Dougan, J.D. "A comparative study of behavioral contrast." Association for Behavior Analysis, 1986.
- Dougan, J.D. "Optimal foraging and uncertain outcomes." Indiana-Purdue-Kentucky Animal Behavior Conference, 1987.
- Dougan, J.D. "A behavioral analysis of the cognitive revolution." Association for Behavior Analysis, 1987.
- Dougan, J.D. & Timberlake, W. "Using observational data in the experimental analysis of animal behavior." Association for Behavior Analysis, 1987.
- Peden, B., & Dougan, J.D. "Effects of partial reinforcement on foraging and feeding in pigeons." Association for Behavior Analysis, 1987.
- Dougan, J.D. "Foraging in a multi-resource environment." 6th Winter Conference on Animal Learning, 1988.
- Dougan, J.D., & Rowland, W.J. "Matching in the stickleback: Is the matching law a principle of reinforcement." Association for Behavior Analysis, 1988.
- Martin, C.J., & Dougan, J.D. "An examination of the function relating reinforcement rate to response rate." Association for Behavior Analysis, 1988.
- Dinsmoor, J.A., Theils, E., Lee, D.M., Pfister, J., & Dougan, J.D. "Selective observing: Pigeons turn discriminative stimuli on and off by pecking separate keys." International Congress of Psychology, Sydney, Australia, 1988.
- Dougan, J.D. "On the form of the VI response function." 7th Winter Conference on Animal Learning, 1989.
- Dougan, J.D., & Timberlake, W. "Behavioral contrast and behavior regulation in rats." Invited Address, Southern Society for Philosophy and Psychology, 1989.

- Case, H., & Dougan, J.D. "Inflationary expectations in rats." Association for Behavior Analysis, 1989.
- Dougan, J.D. "Satiation, regulation, and the 'hyperbolic' form of the VI response function." Symposium presentation, Association for Behavior Analysis, 1989.
- Dougan, J.D. "Three roles for animal psychology." Panel discussion, American Psychological Association, 1989.
- Dougan, J.D. "On the necessary and sufficient conditions for competitive behavioral contrast." Psychonomic Society, 1989.
- Komiskey, H.L., Buck, M.A., Mundinger, K.L., McSweeney, F.K., Farmer, V.A., & Dougan, J.D. "Influence of aging on the impairment of memory produced by Diazepam." Society of Toxicology, 1990.
- Dougan, J.D. "Observational data and animal behavior: A historical review." American Psychological Society, 1990.
- Dougan, J.D. "Pigeons at auction: Economic and ecological approaches to animal behavior." Invited Address, IWU-ISU chapter of Sigma Xi, 1990.
- Dougan, J.D. "The psychology of economics - or - The economics of psychology." IWU Natural Science Division Colloquium, 1990.
- Dougan, J.D. "Time Horizons and the Learning/Performance Distinction." 9th Winter Conference on Animal Learning, 1991.
- Dougan, J.D. "On the economics of interval schedule responding." Association for Behavior Analysis, 1991.
- Lyn, S.A., & Dougan, J.D. "Time horizons and the learning/performance distinction." Association for Behavior Analysis, 1991.
- Kuh, J.A., & Dougan, J.D. "The bitonic VI response function: Satiety or behavior regulation?" Association for Behavior Analysis, 1991.
- Young, D.H., & Dougan, J.D. "Alcohol tolerance and bar-press suppression in rats." Association for Behavior Analysis, 1991.
- Dougan, J.D. "The Economics of Interval Schedules." 10th Winter Conference on Animal Learning, 1992.
- Dougan, J.D. "Looking Inside the Black Box: Behaviorism is not Dead." Invited Debate Participant, Illinois State University Psi Chi, 1992.

- Dougan, J.D., & Farmer-Dougan, V.A. "Behavioral Economics: Theory and Practice." Invited Address, Behavior Analysis Society of Illinois, 1992.
- Dougan, J.D. "Comparative Behavioral Economics." Association for Behavior Analysis, 1992.
- Duttlinger, J. & Dougan, J.D. "Behavior systems, delay reduction, and cross-motivational choice." Association for Behavior Analysis, 1992.
- Lyn, S.A. "Time horizons and self-control." Association for Behavior Analysis, 1992
- Campbell, L.S., & Dougan, J.D. "Behavioral contrast and incentive contrast in the radial arm maze." Association for Behavior Analysis, 1992.
- Vink, K.L., & Dougan, J.D. "Within-session regulatory effects on simple interval schedules." Association for Behavior Analysis, 1992.
- Dougan, J.D. "Behavior regulation on simple interval schedules." Psychonomic Society 1992.
- Dougan, J.D. "The supply-side economics of concurrent interval schedules." 11th Winter Conference on Animal Learning, 1993.
- Dougan, J.D. "Within-session changes in responding" (Session Discussant). Association for Behavior Analysis, 1993.
- Dougan, J.D. "Basic issues in the experimental analysis of reinforcement" (Moderator) Association for Behavior Analysis, 1993.
- Parker, A.R., & Dougan, J.D. Behavioral economics and behavioral ecology in Siberian hamsters. Association for Behavior Analysis, 1993.
- Johns, J.D., Campbell, L.S., & Dougan, J.D. Social competition and behavioral economics. Association for Behavior Analysis, 1993.
- Campbell, L.S. & Dougan, J.D. Within-session changes in the VI response function. Association for Behavior Analysis, 1993.
- Dougan, J.D. & Campbell, L.S. Isolating food density from elapsed session time on simple interval schedules. Psychonomic Society, 1993.
- Dougan, J.D. Open and Closed Economies. 12th Winter Conference on Animal Learning, 1994.
- Tinkler, G.P., Peterson, A.R., & Dougan, J.D. Is the standard operant conditioning unit

- really standard? Association for Behavior Analysis, 1994.
- Reynolds, S.L., Brereton, K., Lulinski, A., & Dougan, J.D. On the role of stimuli in within-session changes in response rate. Association for Behavior Analysis, 1994.
- Johns, J.J. Behavioral economics and between-subject competition. Association for Behavior Analysis, 1994.
- Lionello, K.M., LaMarche, C.A., & Dougan, J.D. Circadian rhythms and the variable interval response function. Association for Behavior Analysis, 1994.
- Kennedy, C.M., & Dougan, J.D. Elapsed session time and the VI response function. Association for Behavior Analysis, 1994.
- Reeves, B.M., Cointin, E.H., & Dougan, J.D. The effects of pre-session feedings on within-session changes in response rate. Association for Behavior Analysis, 1994.
- Dougan, J.D. Within-session changes in responding: A new behavior principle? (Symposium Discussant). Association for Behavior Analysis, 1994.
- Diedrich, J., Farmer-Dougan, V.A., & Dougan, J.D. Undermatching, video games, and college students: A matching analysis. Association for Behavior Analysis, 1994.
- Dougan, J.D., Farmer-Dougan, V.A., & Alferink, L. "Reinforcer predictability affects demand elasticity on simple interval schedules." Psychonomic Society, 1994.
- Lionello, K.M., & Dougan, J.D. "Prefeeding manipulations and the VI response function: Does the location matter?" Association for Behavior Analysis, 1995.
- Reynolds, S.L., Cioni, J.L., Bredthauer, J.L., & Dougan, J.D. "Reinforcer demand elasticity under direct competition between rats." Association for Behavior Analysis, 1995.
- Kennedy, C.M., & Dougan, J.D. "Olfactory Influences on Simple and Concurrent Schedules." Association for Behavior Analysis, 1995.
- Witte, B., & Dougan, J.D. "Minimum Deviation Model of VI Schedule Performance." Association for Behavior Analysis, 1995.
- Contarino, J., Peterson, A. R., & Dougan, J.D. "Behavioral Economics and Anticipated Competition." Association for Behavior Analysis, 1995.
- Bredthauer, J., and Dougan, J.D. Minimum-Deviation Models of Responding on Interval and Ratio Schedules. Association for Behavior Analysis, 1996.

- Farmer-Dougan, V.A., Dougan, J.D., & Alferink, L. Signalled and Unsignalled Reinforcement: Predicting Changes in Behavioral Cost. Association for Behavior Analysis, 1996.
- Hansen, S.M., & Dougan, J.D. An Analysis of Travel Time and Changeover Delay (COD) on Concurrent Interval Schedules. Association for Behavior Analysis, 1997.
- Krebs, J.A., Neal, C.D., & Dougan, J.D. Does the Location of a Pre-Feeding Manipulation Alter the Form of the VI Response Function? Association for Behavior Analysis, 1997.
- Neal, C.D., Goldfayn, A., & Dougan, J.D. Balancing Reinforcement Magnitude and Reinforcement Rate on Simple Ratio Schedules. Association for Behavior Analysis, 1997.
- Cantrall, D.E., Freeman, J.W., & Dougan, J.D. Reinforcer Size, Unit Price, and Demand Elasticity on Simple Ratio Schedules. Association for Behavior Analysis, 1998.
- Dougan, J.D. Within-Session Changes in Responding: Dishabituation and Behavioral Contrast.(Symposium Discussant). Association for Behavior Analysis, 1998.
- Dougan, J.D., & Farmer-Dougan, V.A. A behavioral analysis of Horse Whispering. Association for Behavior Analysis, 1999.
- Estle, S.J., & Beaumont, K.A., & Dougan, J.D. Behavioral Contrast in Rats using Randomly Alternating Components. Association for Behavior Analysis, 2000.
- Johnson, D. & Dougan, J.D. The Effects of Reinforcer Variability on Within-Session Changes in Response Rate. Association for Behavior Analysis, 2000.
- Dougan, J.D. Behavioral Contrast and Habituation of the Reinforcer. (Symposium Discussant) Association for Behavior Analysis, 2000.
- Ittner, A. White, M., Maxwell, E. & Dougan, J.D. Olfactory Influences on Choice Behavior in Rats. Association for Behavior Analysis, 2001.
- Carlson, A., Kostiuk, T.A., & Dougan, J.D. Behavioral Contrast at Low Rates of Reinforcement. Association for Behavior Analysis, 2001.
- Kostiuk, T. & Dougan, J.D. Behavioral Contrast in the Malaysian Sun Bear. Association for Behavior Analysis, 2002.
- Dougan, J.D., Outlaw, J., & Farmer-Dougan, V.A. Can Malaysian Sun Bears match? The matching law as behavioral enrichment. Association for Behavior Analysis, 2002.

Jordan, N. & Dougan, J.D. Behavioral Enrichment Using a Foraging Task in Malaysian Sun Bears. Association for Behavior Analysis, 2003.

Farmer-Dougan, V.A, Dougan, J.D., Bischoff, A., Lynch, E., Mantzaris, J., Moshier, K., Pickering, L., Wegner, R. Do Changes in Response Topography Alter Matching During Dopamine D1 and D2 Agonist Exposure? Association for Behavior Analysis, 2003.

Farmer-Dougan, V.A., Bratcher, N., Dougan, J.D., Thompson, H., Martin, J. and Heidenreich, B. Changes in Matching During Exposure to Dopamine D1-, D2- and General Agonists. Association for Behavior Analysis, 2003.

Minnich, L., O'Neill, E., Norris, J., & Dougan, J.D.. Behavioral Timing Theory Applied to a DRL-Limited Hold Procedure. Association for Behavior Analysis, 2003.

Attivissimmo, A. , Dougan, J.D., Dougan, E., & Farmer-Dougan, V. Matching to Sample with Horses. Association for Behavior Analysis, 2004.

Milligan, E, Balhan, K., Franklin, A., Twaddle, C., & Dougan, J.D. Intervention Across the Zoo Day: Environmental Enrichment in Malaysian Sun Bears. Association for Behavior Analysis, 2004.

Skarvan, J., Waidzunus, L., & Dougan, J.D. An Experimental Examination of Timing and Adjunctive Behavior on DRL-LH Schedules. Association for Behavior Analysis, 2004.

Norris, J. & Dougan, J.D. The effects of Disruptive Events on Time-Place Learning in Rats. Association for Behavior Analysis, 2004

EDITORIAL ACTIVITY:

PROFESSIONAL - EDITORIAL BOARD MEMBERSHIP:

Editorial Board, Journal of the Experimental Analysis of Behavior, 1993 - 1996; 1998 - 2001.

PROFESSIONAL - GUEST REVIEWING:

Experimental Analysis of Human Behavior (Association for Behavior Analysis) Graduate Student Paper Competition

Journal of the Experimental Analysis of Behavior

Learning and Motivation

Animal Learning and Behavior

Behavioural Processes

National Science Foundation, Basic Behavioral Sciences Division

COMMERCIAL (TEXTBOOK) REVIEWING:

Crooks, B., & Stein, J. Psychology. (First draft, Chapters 3, 4, and 5).
Holt, Rinehart, & Winston.

Brown, R.M., & Cook, P.P. Introductory Psychology (First Edition). Holt,
Rinehart, & Winston.

Barrows, E.M. Handbook of Animal Behavioral, Evolutionary,
Ecological, and other associated terms. CRC Press.

Spear, Penrod, & Baker Psychology: Perspectives on Behavior (Second
Edition, Chapters 3, 6, & 7). John Wiley & Sons.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

Association for Behavior Analysis
Psychonomic Society (Full Member)

COMMITTEES:

NATIONAL and REGIONAL:

Convention Program Co-Chair, APA Division 25, 1989.
Public Relations Committee, Association for Behavior Analysis, 1992 - 94
Treasurer, Behavior Analysis Society of Illinois, 1992

CAMPUS:

Council for University Programs and Policies (CUPP), Illinois Wesleyan
University, 2002-2004 (Chair 2003-2004)
Strategic Planning Steering Committee, Illinois Wesleyan University,
2003 – 2004.
Budget workgroup of Strategic Planning Committee (elected), Illinois
Wesleyan University, 2005-2006
Curriculum Council, Illinois Wesleyan University, 2006 – present

IWU Animal Use Committee (IACUC), Illinois Wesleyan, 1990 - 2001;
2005 – present. (Chair 1992 – 2000; 2006 – present)
Teaching-Learning-Technology Roundtable (TLTR), Illinois Wesleyan
University, 2001-2005.
Associate Provost Advisory Committee (subcommittee of TLTR), Illinois
Wesleyan University, 2001-2004.
Fall Faculty Conference Planning Committee, 2004
Academic Computing Committee, Illinois Wesleyan University, 1994-95
Library Advisory Committee, Illinois Wesleyan University, 1993-94;
1998-99
Bookstore Advisory Committee, Illinois Wesleyan University, 1993 - 95
Hearing Committee (alternate), Illinois Wesleyan University, 1993-94
Pre-Medical Advisory Committee, Illinois Wesleyan University, 1991 -
1999
Natural Science Division Colloquium Committee, Illinois Wesleyan,
1990-91; Chair, 1991
Undergraduate Curriculum Committee, Indiana University, 1989-90
Steering Committee, Forest Residence Hall, Indiana University, 1987-88

OTHER SERVICE ACTIVITIES:

Acting Chair of Psychology, Illinois Wesleyan University Spring 2005
President, IWU Phi Beta Kappa chapter, 2001-2004
Faculty Advisor, Psi Chi Honorary, Illinois Wesleyan University, 1991 - 2000
Director, Animal Care Facility, Illinois Wesleyan University, 1991 - 95
Instructor, Experimental Course Program, Collins Living Learning Center,
Indiana University, 1986-87.
Faculty Fellow, Forest Residence Hall, Indiana University, 1986-88.
Coordinator, Animal Behavior Colloquium Series, Indiana University, 1986-90.
Ski Instructor, Bloomington Special Olympics, 1986-90.
Curriculum Advisory Counselor, Washington State University, 1982-85.

CURRENT RESEARCH INTERESTS:

Quantitative Analysis of Behavior
Behavioral Theory and Philosophy
Behavioral Ecology
Behavioral Neuroscience of Dopaminergic Systems

COURSES TAUGHT:

General Psychology (Illinois Wesleyan University)
Psychology as a Natural Science (Washington State University, Indiana University)
Psychology as a Social Science (Washington State University, Indiana University)
Learning and Conditioning (Washington State University, Indiana University, Illinois Wesleyan University, Illinois State University)
Advanced Behavioral Processes (Illinois Wesleyan University)
Practicum in Behavior Modification (Illinois Wesleyan University)
Seminar: Behavior Modification (Illinois Wesleyan University)
History and Systems (Illinois Wesleyan University)
Statistics (Indiana University, Illinois Wesleyan University)
Motivation (Indiana University, Illinois State University)
Animal Behavior (Illinois Wesleyan University)
Evolution and Human Behavior (Illinois Wesleyan University)
Seminar: Science, Determinism, and Human Behavior (Indiana University, Illinois Wesleyan University)
Seminar: Theory and Ethics of Behavior Modification (Indiana University *)
Graduate Seminar: Observational Methods of Psychological Experimentation (Indiana University *)
Experimental Methods (Washington State University *, Illinois State University)
Advanced Topics in Experimental Analysis (Whitman College *)
Undergraduate Thesis (Illinois Wesleyan University *)
Gateway Colloquium (Illinois Wesleyan University)
Seminar: Animal Cognition (Illinois Wesleyan University)
Seminar: Comparative approaches to Language and Communication (Illinois Wesleyan University)

* - denotes team teaching

TEACHING INTERESTS:

Animal Learning and Behavior/Cognition
Comparative Psychology and Ethology/Behavioral Ecology
Experimental Design/methods
Statistics
History and Systems
Philosophy of Psychology