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## CURRICULUM VITA

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### EDUCATION

Ph.D.1966, Arizona State University, Tempe, Arizona. Experimental Analysis of Behavior/ Physiological Psychology.

M.A. 1962, Arizona State University, Tempe, Arizona. Experimental Psychology.

Major advisors at ASU were Drs. Hudson Jost, Dwight Sutton, Jack Michael, and Arthur Schwartz.

B.S. 1956, Utah State Agricultural College, Logan, Utah. General Psychology.

### PROFESSIONAL EXPERIENCE

Professor of Psychology, Utah State University, 1975-present.

Director, Basic Behavior Laboratory, Psychology Department, Utah State University, 1968-present.

Assistant Superintendent for Education, Research and Development; Northern Indiana State Hospital and Developmental Disabilities Center, South Bend, Indiana, 1975-1976, (during USU Sabbatical Leave).

Lecturer in Psychology, Indiana University, South Bend, Indiana, 1975.

Associate Professor of Psychology, Utah State University, 1970-1975.

Assistant Professor of Psychology, Utah State University, 1968-1970.

Assistant Professor of Psychology, Eastern Washington University, Cheney, Washington, 1965-1968.

Visiting Lecturer, Gonzaga University, Spokane, Washington, 1968.

Predocorial NIMH trainee 1964-1965. Barrow Neurological Institute, Phoenix, and Arizona State University, Department of Psychology, Tempe, AZ. Worked with Drs. Eduardo Eidelberg, Arthur S. Schwartz, Jack Michael, and Lee Meyerson.

Research Associate with Dr. A.S. Schwartz, Barrow Neurological Institute, Phoenix, AZ 1962-1965.

Conducted research in neurophysiology, psychopharmacology, electrophysiology, and physiological psychology with a variety of species including man.

Teaching and laboratory assistant to Drs. Jack Michael and Arthur Staats, Arizona State University, Department of Psychology, 1961-1962.

Editor/Programmer, Learning Incorporated, Tempe, Arizona, 1961-1962. Participated in the development and testing of linear programmed commercial instructional materials.

Graduate Assistant for Drs. Hudson Jost and Israel Goldiamond, Arizona State University, Department of Psychology, 1960-1962.

## MILITARY SERVICE

1956-1959 Lieutenant, U.S. Air Force, Navigator/Radar Observer.  
1962-1965 Captain, Air National Guard, Instructor Navigator.  
1969-1972 Captain, USAF Reserve, (Discharged, 1972).

## TEACHING INTERESTS AND EXPERIENCE

My primary teaching interests are in Behaviorology, Neuroscience, Experimental and Applied Analysis of Behavior, Basic Learning, Behavioral Toxicology, Comparative Animal Behavior, and Behavioral Pharmacology. I have taught graduate and undergraduate courses on these topics as well as General Psychology, History and Systems of Psychology, Learning and Conditioning, Sensory Bases of Behavior, Perception and Psychophysics, Complex Behavior, Programmed Instruction, Experimental Psychology, Comparative Psychology and Ethology, Neurophysiology, Sensory Processes, and Psychobiology of Aging and the Elderly.

I have established programmed courses, experimental and physiological student laboratories, and supervised independent research and readings students.

I have chaired Psychology Department graduate student committees and served on many masters and doctoral student committees in Sociology; Special Education; Fisheries and Wildlife; Toxicology; Animal Science; Education; Communicative Disorders; Health, Physical Education and Recreation; Nutrition and Food Science; Rangeland Resources; Biology; and Ecology.

## ADMINISTRATIVE, TRAINING AND OTHER EXPERIENCE

Director of the Basic Behavior Laboratory, Department of Psychology.

Advisory Board, *The Behavior Analyst*. 1991-1994.

Board of Editors, *Behavior and Social Issues*. 1989-2003.

Board of Directors member, The *B.F. Skinner Foundation*. 1991-present.

Publications Coordinator, The International Behaviorology Association, (TIBA), 1988-1994. Full member, The International Behaviorology Association, 1989-1999. Secretary of TIBA, 1995-1997. Journal Editor, *BEHAVIOROLOGY*, 1993-1996.

Convention Director, TIBA VIII, March, 1996. Served as site and program director.

President: International Society for Behaviorology (Formerly TIBA) 1997-1998.

Advisory Board member, Cambridge Center for Behavioral Studies (CCBS), 1988-1994.

Board of Trustees member CCBS, 1994-present.

Resident Fellow, Cambridge Center for Behavioral Studies, Cambridge, Massachusetts, 1985-86.

Visiting Scientist, Human Development Center, LSU, Medical Center, New Orleans, LA, (USU sabbatical leave year, 1985-86).

Assistant Superintendent for Education, Research and Development, Northern Indiana State Hospital and Developmental Disabilities Center, South Bend, Indiana, 1975-1976 (USU sabbatical leave). Supervised all staff and resident educational and behavioral therapy programs as well as designing and conducting research activities.

Participant, Institute in Experimental Psychology, Williams College, Massachusetts, 1972 (six weeks).

Participant, Short Course on Primate Behavior, U.C. Davis, California, Summer 1971.

Awarded NAPIAP (USDA--Forest Service) research grant 1985-86.

Awarded National Science Foundation RPCT Postdoctoral 1969. Conducted research at the University of Michigan, Department of Pharmacology.

Awarded National Science Foundation grant for basic research 1967 (EWU).

Awarded University Foundation grant for 1968, 1969, and 1970 (USU).

Awarded University Environment and Man Research grant 1973 (USU).

Awarded National Science Foundation grant, "Science for Citizens," 1981.

Awarded College general research grant 1966 (EWSC).

Consultant for the development of physiological and experimental psychology programs at Gonzaga University, Spokane, Washington, 1967-1968.

Faculty Advisor for Psi Chi, Utah State University, 1968-1969; 1980-1984; E.W.U., 1967-1968.

Elected Vice-President, Psi Chi, Rocky Mountain Region, 1975.  
Faculty member, Interdepartmental Program in Toxicology, USU, 1969-present.  
Associate, Ecology Center, Utah State University, 1970-present.  
Attended three Chautauqua Short Courses: 1) Genetics and Society: Dynamic Interaction; 2) Biological Bases of Intelligence; 3) Interhemispheric Brain Mechanisms.  
Sabbatical leave 1975-76, Northern Indiana State Hospital.  
Sabbatical leave 1985-1986. Cambridge Center for Behavior Studies  
Sabbatical leave 1992-1993. West Virginia University; LSU Human Development Center  
Undergraduate Club (SABS) faculty sponsor 1995-present  
Sabbatical leave June-Dec 1999. Travel and writing  
Advisory Board member, BEHAVE, (USU) 2001-present.  
Collaborator, West Nile Virus Grant, USU, 2003-; John Morrey PI.  
ABA accreditation site visitor, April 2003, WMU.  
NIH – CSR reviewer, 2003/2004.  
Collaborator, Antidepressant drug screening, USU, 2004-, Amrit Judd, PI  
Visiting Lecturer; University of Nevada-Reno, Summer 2004.  
Accreditation Committee member ABA 2005-06.

### UNPUBLISHED MATERIAL and EXTERNAL SUPPORT

*Conditioning the Electrical Response of the Occipital Cortex in Man.* Unpublished Master's Thesis, Arizona State University, 1962. Dr. Hudson Jost, Chairman.  
*The Effects of Central Neural Lesions on the Critical Flicker Frequency of Cats.* Unpublished Doctoral Dissertation, Arizona State University, 1966. Drs. A. Schwartz and D. Sutton, Chairmen.  
*Effects of Damage to Visual Areas of the Brain on Depth Discrimination and Acuity in Rats.* Final report of activities conducted under NSF Grant #GB5977, 1968.  
*Science for Citizens Forum Summaries*, 1982, 150 pp.  
*Cache Valley's Future: Issues Affecting Growth and Development*, 1982, 200 pp.  
Reports of activities conducted under NSF Grant #8016329, Science for Citizens, final report, 1982.  
*Effects of Strychnine on the Behavior of Raptors.* Final report of research conducted under USFS Grant #S-31071, 1986.  
Development of novel anxiolytics/antidepressants. 2005. NIMH, A. Judd, PI. \$500,000. Unfunded.

### PUBLICATIONS

Effects of LSD on the tonic activity of the visual pathways of the cat. *Life Sciences*, 4, pp. 771-778, 1965 (with A. Schwartz).

Retinal effects of high doses of LSD in the cat. *Experimental Neurology*, 13, pp. 273-282, 1965 (with A. Schwartz).

Neural mechanisms involved in the Critical Flicker Frequency of the cat. *Brain Research*, 1, pp. 369-380 (with A. Schwartz). Other aspects of these data were presented by A. Schwartz at the 18th International Congress of Psychology in Moscow, Russia, August, 1966.

Visual and auditory signal detection. *Psychonomic Science*, 10, pp. 310-302, 1968 (with P. Eaton).

Transfer from serial to paired-associate learning with two paired-associate rates. *Journal of Verbal Learning and Verbal Behavior*, 7, 840-841, 1968 (with S. Heaps and W. Greene).

A titrated procedure for generating escape behavior. *Behavior Research Methods and Instrumentation*, 1, pp. 293-294, 1969 (with J. Khalili and M. Daley).

Development and maintenance of FR escape with titrated reinforcement. *Psychonomic Science*, 15, pp. 10-11, 1969 (with J. Khalili).

Lesion effects on visual cliff performance in the rat. *Psychonomic Science*, 17, pp. 165-166, 1969 (with R. Crow).

Effects of induced aggression on a low fixed-ratio schedule of food reinforcement. *Psychonomic Science*, 17, pp. 259-260, 1969 (with J. Hayes and M. Daley).

Grid vs. subcutaneously delivered shock in escape schedules with guinea pigs. *Behavior Research Methods and Instrumentation*, 2, pp. 25-27, 1970 (with J. Khalili).

Errorless training of a visual discrimination in pre-school children. *The Psychological Record*, 20, pp. 45-50, 1970 (with R. Powers and N. Agostino).

A programmed approach to teaching. *Improving College and University Teaching*, XIX, pp. 164-166, Spring, 1971 (with R. Powers).

Mechanically augmented human toilet training. In R. Schwitzgebel (Ed.), *Psychotechnology*. Holt, Rinehart & Winston, 1971.

Development and control of licking in the guinea pig (*Cavia Porcellus*). *Behavior Research Methods and Instrumentation*, 3, pp. 14-15, 1971 (with J. Alvord and M. Daley).

Transfer of response rate bias by injection of brain homogenate. *Journal of Biological Psychology*, 12, pp. 13-16, 1971.

Interocular transfer of a line tilt discrimination without mirror-image reversal using fading. *Journal of Biological Psychology*, 14, pp. 17-20, 1972 (with V. Tam).

Control of responding by a conditioned reinforcer in the presence of free food. *Animal Learning and Behavior*, 1, pp. 38-40, 1973 (with L. Alferink and E. K. Crossman).

Fixed-ratio discrimination effects of extinction and satiation. *Journal of Biological Psychology*, 15(1), pp. 26-29, 1973 (with T. Lydersen).

Functional variables in FR pausing with rabbits. *The Psychological Record*, 24, pp. 193-202, 1974 (with D. Inman).

Transfer of learned dark aversion between cockroaches. *Journal of Biological Psychology*, 16(1), pp. 16-20, 1974 (with A. Klein and R. Snyder).

Prophylaxis by Vitamin C in starvation induced rat stomach ulceration. *Life Sciences*, 14, pp. 2209-2214, 1974 (with E. Rudrud).

A chamber for separating visual and physical prey access from predators. *Behavior Research Methods and Instrumentation*, 6(6), pp. 553-555, 1974 (with R. Snyder).

Role of the no-food stimulus duration during positive automaintenance. *The Psychological Record*, 24, pp. 197-204, 1974 (with P. Muller).

Matching behavior and deprivation. *Bulletin of the Psychonomic Society*, 6(1), pp. 4-6, 1975 (with B. Wald).

Magnesium deficiency effects on discriminated avoidance in rats. *Nutrition Reports International*, 11, pp. 507-515, 1975 (with M. Dalley and A. Mahoney).

- The automatic recording of aggression in pigeons: A comparison of two methods with live targets. *Behavior Research Methods and Instrumentation*, 7(4), pp. 357-360, 1975 (with P. Muller).
- Homing performance of anosmic pigeons. *Bulletin of the Psychonomic Society*, 6(6), pp. 592-594, 1975 (with R. Snyder).
- Within-subject analysis of memory transfer with two extraction techniques. *Journal of Biological Psychology*, 17(1), pp. 29-32, 1975 (with A. Klein).
- Environmental familiarity and activity: aspects of prey selection for a ferruginous hawk. *The Condor*, 78, pp. 138-139, 1975 (with R. Snyder and W. Jenson).
- Dietary riboflavin manipulation effects on discriminated avoidance in rats. *Nutrition Reports International*, 14, pp. 315-321, 1976 (with S. Goodwin, A. Mahoney and D. Hendricks).
- Comparison of group and individual reinforcement contingencies on student performance. *Education*, 97, pp. 367-370, 1977 (with R. Crow).
- Experimental analysis of prey selection: comment on methodology. *Psychological Reports*, 40, pp. 555-558, 1977 (with L. Ruggiero and S. Walls).
- Autoshaping the pigeons keypeck in a dark chamber. *Bulletin of the Psychonomic Society*, 9, pp. 317-318, 1977 (with F. Oberdieck and D. Mueller).
- Subtle postnatal effects of locoweed in rats (abstract). *Toxicology and Applied Pharmacology*, 41, pp. 139-140, 1977 (with B. Nelson, L. James, and R. Sharma).
- Predator-prey interactions. In H. Markowitz and V. Stevens (Eds.), *Studies of captive wild animals*. Nelson-Hall Publishers, Chicago, 1978.
- A critique of Fagen's family conflict model. *Animal Behavior*, 26, pp. 309-310, 1978 (with F. Oberdieck and C. Johnson).
- An examination of the generalization hypothesis of autoshaped keypecking. *Bulletin of the Psychonomic Society*, 11, pp. 374-376, 1978 (with F. Oberdieck and R. Strong).
- Autoshaping to a dark key. *Bulletin of the Psychonomic Society*, 12, pp. 358-360, 1978 (with C. Lyons).
- Schedule-induced locomotor activity in humans. *Journal of the Experimental Analysis of Behavior*, 31, pp. 83-90, 1979 (with P. Muller and R. Crow).
- Interacting prey characteristic effects on kestrel predatory behavior. *The American Naturalist*, 113, pp. 749-757, 1979 (with L. Ruggiero and F. Knowlton).
- An examination of autoshaped keypecking in a dark chamber. *Psychological Reports*, 43, pp. 1299-1312, 1979 (with F. Oberdieck and D. Mueller).
- Falcons reject unfamiliar prey. *Raptor Research*, 15(2), pp. 33-36, 1979 (with L. Ruggiero).
- A prey chamber for the experimental analysis of raptor hunting. *Behavior Research Methods and Instrumentation*, 11, pp. 558-560, 1979.
- Interocular transfer of a color aversion in pigeons. *Bulletin of the Psychonomic Society*, 15(3), pp. 178-180, 1980 (with D. Pounds and P. Williamson).

Observing behavior and information. (1980). *Psychological Record*, 30, pp. 181-190. (with P. Killeen and B. Wald).

Lithium chloride induced aversions in the opossum (*Didelphis Virginianis*). *Physiological Psychology*, 8, pp. 383-385, 1980 (with N. Eldred).

The effect of context change on conditional defensive burying in rats. *Bulletin of the Psychonomic Society*, 19, pp. 295-297, 1982 (with F. Oberdieck).

Probability learning in captive wolves. (1982). In F. Harrington, & P. Paquet (Eds.), *Wolves of the world*. Park Ridge, NJ: Noyes Publications.

Reinforcement of cooperative behavior in captive wolves. (1982). In F. Harrington, & P. Paquet (Eds.), *Wolves of the world*. Park Ridge, NJ: Noyes Publications. (with C. Lyons & P. Ghezzi).

Analysis of behavior: Basic processes. (1982). An edited and annotated book of text and readings, 220 pp. (with E. & M. Bonem). Lexington, MA: Ginn Publishing.

Dimensional stimulus control of keypecking maintained by stimulus-reinforcer dependencies. (1983). *Behaviour Analysis Letters*, 3, pp. 65-76. (with C. Lyons and K. Silverman).

Rat defensive behavior: Burying an operandum associated with reinforcement. (1983). *The Psychological Record*, 33, pp. 191-199. (with S. Goldberg and P. Ghezzi).

Stimulus and prefood stimulus effects on fixed-interval and fixed-ratio responding. (1983). *Bulletin of the Psychonomic Society*, 21, pp. 491-494. (with P. Ghezzi).

Operant techniques used in stuttering therapy: A review. (1984). *Journal of Fluency Disorders*, 9, pp. 169-190. (with S. Nittrouer).

An operandum-to-Osborne 1 interface. *Behavior Research Methods and Instrumentation*, 16, p. 72, 1984 (with C. Loftin).

Time reallocation in a multiresponse environment: Effects of restricting response classes. *Journal of the Experimental Analysis of Behavior*, 41, pp. 279-289, 1984 (with C. Lyons).

Analysis of behavior: Basic processes (2nd ed.). An edited and annotated book of text and readings, 1984 (with M. & E. Bonem). Ginn Publishing Co.

Effects of chronic shock on cooperation: A potential model of learned chronic pain behavior. *Psychological Reports*, 55, pp. 899-906, 1984 (with S. Goldberg).

Changeover cost and switching between concurrent adjusting schedules. *Behavioural Processes*, 10, pp. 145-155, 1985 (with M. & E. Bonem).

Analysis of behavior: Basic processes (3rd ed.). An edited and annotated book of text and readings, 1985 (with E. & M. Bonem). Ginn Publishing Company.

Prefood stimulus effects on an operant discrimination. *Bulletin of the Psychonomic Society*, 24, pp. 149-151, 1986 (with P. Ghezzi).

*Grandpa Fred's baby tender*. A manual for the construction and use of a personal Aircrib, (1986). (with Stephen LeDoux and a Preface by B. F. Skinner). Canton, NY: SUNY.

Analysis of behavior: Basic processes (4th ed.). An edited and annotated book of text and readings, (1987) (with E. and M. Bonem and B. Phelps). Ginn Publishing Co.

Effects of strychnine on the behavior of great horned owls and red-tailed hawks. (1987) *Raptor Research*, 21, pp. 103-110, (with S. Vander Wall and R. Poehlmann).

Factors influencing microhabitat partitioning among coexisting species of arid-land darkling beetles (Tenebrionidae): Behavioral responses to vegetation architecture. (1989) *Southwestern Naturalist*, 34(3), pp. 319-329, (with Robert and C. Parmenter).

Factors influencing microhabitat partitioning in arid-land darkling beetles (Tenebrionidae): Temperature and water conservation. *The Journal of Arid Environments*, (1989) 17, pp. 57-67, (with Robert and C. Parmenter).

Evaluating the Readability of AIDS Prevention Information Brochures. *The Behavior Therapist*, Feb., 1991, pp. 41-42 (with J. Alvord).

The Source and Control of Behavior. (1991). In Waris Ishaq (Ed.), *Human Behavior in Today's World*. New York: Praeger.

Behaviorologists and the management of AIDS Transmission. (1992) *Behaviorological Commentaries*, #4, pp. 11-17, (with J. Alvord).

Behavioral toxicology of livestock ingesting plant toxins. (1992) *Journal of Range Management*. 45, pp. 30-36 (with J. Pfister and F. Provenza).

Mechanisms of learning in diet selection with reference to phytotoxicosis in herbivores. *Journal of Range Management*. 1992, 45, pp. 36-45 (with F. Provenza and J. Pfister).

Fallacies in E. O. Wilson's Sociobiology: On Human Nature Reviewed. (1992). Behaviorological Commentaries #2, pp. 10-17 (with F. Oberdieck and C. Johnson).

Activity Based Anorexia: A Review of "Solving the Anorexia Puzzle: A Scientific Approach", by F. Epling and D. Pierce. (1992), The Behavior Analyst v. 15, 157-160.

Closed Economy Foraging. (1992) Behaviorological Commentaries Serial #3, pp. 32-37. (with E. Bonem).

Influence of Cattle Age and Lithium Chloride Dose Level in the Retention of Food Aversions. (1993) J. of Range Ecol., 71:373-379. (with M. Ralphs).

How Herbivores Cope with Phytotoxins and ways Plants Circumvent the System. (1992). In L. James, R. Keeler, E. Bailey, Jr., P. Cheeke, and S. Hegarty (Eds.), *Proceedings of the Third International Symposium on Poisonous Plants*, (pp. 21-29). Ames, Iowa: Iowa State University Press, (with F. Provenza and J. Pfister).

Factors Predisposing Drug Abuse. (1993). The J. of Psy and Beh. Sciences 7, pp. 61-72. (with B. Phelps).

Behaviorism: An Overview. (1993). In Magill's Survey of Social Science: Psychology. Salem Press: Pasadena, CA.

Escape Conditioning. (1993). In Magill's Survey of Social Science: Psychology. Salem Press: Pasadena, CA.

Prey vulnerability effects in an operant simulation of foraging. (1993). Behaviorology 1, 34-41. (with M. DeWulf and E. Bonem).

Reversal of tall larkspur (*delphinium barbeyi*) poisoning in cattle with physostigmine. (1994). Veterinary and Human Toxicology, 36, pp. 511-514. (with J. Pfister, K. Panter & G. Manners).

Effects of a flavor and food restriction on the response of sheep to novel foods. (1995). Applied Animal Behaviour Science, 43, pp. 83-93. (with F.D. Provenza, and J.J. Lynch).

Potential aversive compounds in leafy spurge for ruminants and rats. (1995). J. of Chemical Ecology, 21, pp. 1387-1399. (with S. Kronberg, Lynch, W.C. and J. Walker).

Forward to: Learning and Conditioning, (1995), by D. Pierce and F. Epling. New York: Prentice-Hall.

Forward to: Schedules of Reinforcement by Charles Ferster and B.F. Skinner, (1997). Boston: B.F. Skinner Foundation, Copley Press.

Forward to: Cognition, Creativity and Behavior, (1996), by R. Epstein. New York: Praeger.

Medical Nonadherence: A behavioral analysis. (1996). In J. Cautela and W. Ishaq (Eds.), Contemporary issues in behavior therapy: Improving the human condition. New York: Plenum Press.

Memory Training in Head-injured Clients. (1996). In J. Cautela and W. Ishaq (Eds.), Contemporary issues in behavior therapy: Improving the human condition. New York: Plenum Press. (With B. Phelps).

Teaching Behavior Science to Children. (1996), EDUCATION, v117, 120-126. (with E. Miller).

Operant analysis of chronic locoweed intoxication in sheep. (1996). Jrnl of Animal Science, 74:2622-2632. (with J. Pfister, B. Stegelmeir, L. James, and R. Molyneux).

Effects of Forced Flavor Exposure on Food Neophobia. (1997). Applied Animal Behaviour Science, 53:213-217. (with E. Miller).

Operant Behavioral Analysis of Tall Larkspur Intoxication in Cattle. (1998). Behaviorology. 4:43-56. (with James Pfister).

Mineral-salt supplement does not attenuate tall larkspur (*Delphinium barbeyi*) toxicosis in cattle (1998). J. Rnge Mngmt. 51:566-569. (with J. Pfister, D. Gardner, and G. Manners).

Self-organization of Foraging Behavior: From simplicity to complexity without goals. (1998). Nutrition Research Reviews. 11, 199-222. (with Fred Provenza, Juan Villalba, & Scott Werner).

Conditioning taste aversions to locoweed (*Oxytropis sericea*) in horses. (2002). J. Animal Science. 80:79-83. (J.A. Pfister, B.L. Stegelmeier, C.D. Cheney, M.H. Ralphs, and D.R. Gardner.)

The Natural Science of Behavior. Susan G. Friedman, T.M. Edling, and C.D. Cheney. (2006). In, Concepts in Behavior: Section I. Clinical Avian Medicine VI, Harrison and Lightfoot.

Place preferences in hamsters. (In press). J.A. Pfister and C.D. Cheney.

World-views, Belief systems and Life-style Practice. Behavior and Social Issues. (In preparation).

The role of calories in activity-based anorexia. (in preparation). (with K. Bodily and L. Koppel.)

The coming conflict between thinking machines and humans. (In preparation) Behavior and Social Issues. (With Sam Halioris).

Behavior Analysis and Learning (2004). Textbook, 3<sup>rd</sup> Ed. Lawrence Erlbaum Associates Inc., Publishers. (with David Pierce). Publishers have requested a 4<sup>th</sup> edition (with revisions) which is in preparation.

Modeling hamsters for evaluating West Nile virus therapies. (2004). John Morrey, C. Day, J. Julander, A. Olsen, R. Sidwell, C.D. Cheney & L. Blatt. Antiviral Research. Vol 63, #1, 41-50.

Maternal ingestion of locoweed. III. Effects on lamb behavior at birth. (2004). James Pfister, T. Davidson, K. Panter & R. Molyneux.

## PRESENTATIONS

*Errorless Training of a Visual Discrimination in Pre-school Children*. Paper presented at the joint meeting of the Washington and Oregon State Psychological Association, 1968 (with R. Powers and N. Agostino).

*Multiple Physiological Recordings during Research on Learning*. Paper presented at the joint meeting of the Washington and Oregon State Psychological Association, 1968.

*Analysis of Behavior--A Programmed Psychology Course*. Paper presented at the joint meeting of the Washington and Oregon State Psychological Association, 1968.

*A Programmed Approach to Teaching in the Social Sciences*. Paper presented at the Northwest Scientific Association, 1969 (with R. Powers).

*Drug Effects on Escape Behavior in Guinea Pigs*. Paper presented at Utah Academy of Science, Arts, and Letters, 1969 (with J. Khalili).

*The Effects of Increased Schedule Demands as a Function of Length of Past Exposure to Ratio Requirements in a Grid-escape Paradigm*. Paper presented at Utah Psychological Association meeting, 1969 (with J. Khalili).

*A Comparison Between Grid and Subcutaneously Delivered Shock in Escape Schedules with Guinea Pigs*. Paper presented at the Rocky Mountain Psychological Association meeting, 1969 (with J. Khalili).

*On-going Psychological Research at Utah State University*. Invited paper presented at Utah Psychological Association, Spring, 1969.

*Techniques for using Rabbits in Psychophysiological Research*. Paper presented at the Northwest Scientific Association meeting, 1970 (with W. Greene).

*Chlorpromazine and Pentobarbital Effects on VI and FR Schedules of Grid-Shock Escape.* Paper presented at the Western Psychological Association meeting, 1970.

*The Effects of Trifluoperazine on DRL Schedule Transition*. Paper presented at the Utah Academy of Science, Arts, and Letters meeting, 1971 (with K. Edwards and R. Powers).

*Discriminative Properties of Fixed Ratio Size as Reflected by Pause Distributions*. Paper presented at the Utah Academy of Sciences, Arts, and Letters meeting, 1971 (with D. Inman).

*Escape Rate Changes Following Brain Homogenate Injection*. Paper presented at the Utah Academy of Sciences, Arts, and Letters meeting, Spring, 1972 (with A. Klein).

*Reinforcement Magnitude and Multiple Fixed Interval Performance*. Paper presented at the Utah Academy of Sciences, Arts, and Letters meeting, Spring, 1972 (with G. Konya).

*Fading Training and Veridical Interocular Mirror-Image Transfer in Pigeons.* Paper presented at the Rocky Mountain Psychological Association meeting, 1972.

*Pausing in Multiple Fixed Ratio Schedules as a Function of Ratio Size and Reinforcement Magnitude.* Paper presented at the Rocky Mountain Psychological Association meeting, 1972, (with D. Inman).

*Behavioral Constraints in Planning: Problems associated with aversive control.* Paper presented at the Land Use Planning Colloquium, Utah State University, 1972.

*Pesticide Effects in Wild Deer Mice.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, Fall, 1972 (with R. Snyder).

*Magnitude-of-Reinforcement Effects on Multiple Fixed Interval Performance.* Paper presented at the Rocky Mountain Psychological Association meeting, 1973.

*Prey Behavior Directs Predation.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, Fall, 1973 (with R. Snyder).

*Ascorbic Acid as a Protective Agent Against Stomach Lesions in Rats.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, Fall, 1973 (with E. Rudrud).

*The Effect of a Dietary Magnesium Deficient Diet on Discriminative Bar Press Avoidance Behavior of Rats.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, Fall, 1973 (with M. Dalley and A. Mahoney).

*The Maintenance of Key Pecking by Response Independent Food Presentation as a Function of the Time Between the Successive Presentations of a Stimulus Correlated with Food.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, Fall, 1973 (with P. Muller).

*The Effect of Extinction and Satiation on Fixed Ratio Discrimination.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, Fall, 1973 (with T. Lydersen).

*Effects of Response-Produced Stimuli upon Conditional Discrimination Performance.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, 1973 (with T. Lydersen and D. Perkins).

*Experimental Analysis in Education: A critique.* Paper presented at the Rocky Mountain Psychological Association meeting, 1973.

*Behavioral Ecology of Predation or Victims Get What They Ask For.* Invited address at the Western Psychological Association meeting, 1974.

*Vitamin C as a retardant to stress induced stomach ulcers in rats.* Paper presented at the Rocky Mountain Psychological Association meeting, 1974 (with E. Rudrud).

*Food Neophobia and Taste Aversion in Tropical Fish.* Paper presented at the Utah Academy of Science, Arts, and Letters meeting, Spring, 1974 (with B. Roberts).

*Autoshaping as a Function of the Stimulus-food Interval.* Paper presented at the Rocky Mountain Psychological Association meeting, 1974 (with P. Muller).

*Matching or Maximizing as Hunting Strategies with Three Species.* Paper presented at the Utah Academy of Science, Arts and Letters, 1974 (with R. Snyder).

*Schedule-induced Polydipsia Under Random Presentation of a Multiple Fixed-Interval Schedule.* Paper presented at the Utah Academy of Science, Arts and Letters meeting, 1974 (with R. Lubeck and P. Muller).

*Recording Aggression in Pigeons.* Paper presented at the Utah Academy of Science, Arts and Letters meeting, 1974 (with P. Muller).

*School Resource Personnel as Educational Innovators and Experimenters.* Paper presented at the Western Regional Conference - Humanistic Approach in Behavior Modification, Las Vegas, Nevada, April 1975.

*The Effects of Varying the Temporal Location of the Opportunity to Attack Within the Interfood Interval.* Paper presented at the Rocky Mountain Psychological Association meeting, 1975 (with P. Muller).

*The Automatic Recording of Aggression in Pigeons: A comparison of Two Methods.* Paper presented at the Rocky Mountain Psychological Association meeting, 1975 (with P. Muller).

*Varying the Temporal Location of the Opportunity to Attack within the Interfood Interval.* Paper presented at the Psychonomic Society meeting, 1975 (with P. Muller).

*Comparison of Group and Individual Reinforcement Contingencies on Student Performance.* Paper presented at the Rocky Mountain Psychological Association meeting, 1975 (with R. Crow).

*Effects of Intermittent Reinforcement Upon Fixed-ratio Discrimination.* Paper presented at the Psychonomic Society meeting, 1975 (with T. Lydersen).

*Autoshaping with Concurrent CS Presentation: Control by CS1 as a Function of CS2 Duration.* Paper presented at Midwestern Association of Behavior Analysis, 1976 (with P. Muller).

*The Automatic Recording of Human Locomotor Activity: A method for schedule-induced effects.* Paper presented at MABA, 1977 (with P. Muller and R. Crow).

*Activity Displays: Their construction and operation.* Paper presented at AAZPA, 1977 (with C. Lyons).  
*Subtle Postnatal Effects of Locoweed in Rats.* Paper presented at the 16th Annual meeting of the Society of Toxicology, Toronto, 1977 (with B. Nelson & R. Sharma).

*Effects of Context and Stimulus Parameters on Autoshaping.* Paper presented at Psychonomic Society meeting, 1977 (with F. Oberdieck).

*On Autoshaping in a Dark Chamber.* Paper presented at Rocky Mountain Psychological Association meeting, 1977 (with F. Oberdieck and D. Mueller).

*Taste Aversion in the Opossum.* Paper presented at Rocky Mountain Psychological Association meeting, 1978 (with N. Eldred).

*Dark-key Autoshaping as a Function of Hopper Illumination.* Paper presented at Rocky Mountain Psychological Association meeting, 1978 (with C. Lyons).

*The Effects of Inescapable Shock on Competitive Dominance in Rats.* Paper presented at Rocky Mountain Psychological Association meeting, 1978 (with P. Cheney).

*An Examination of Autoshaped Keypecking in a Dark Chamber.* Paper presented at Rocky Mountain Psychological Association meeting, 1978 (with F. Oberdieck).

*Behavioral Changes Following Induced Illness in the Opossum.* Paper presented at Animal Behavior Society meeting, June 1978 Seattle (with N. Eldred).

*The Role of Generalization in Autoshaping and Omission.* Paper presented at the Psychonomic Society meeting, November 1978, San Antonio (with F. Oberdieck and R. Strong).

*Color (Taste) Aversion and Autoshaping.* Paper presented at Rocky Mountain Psychological Association meeting, 1979 (with S. Zufelt and N. Eldred).

*The Effects of Inescapable Shock on Time Spent Drinking, Grooming, and Exploring by Rats.* Paper presented at Rocky Mountain Psychological Association meeting, 1979 (with P. Cheney).

*Autoshaping Without Prior Magazine Training: The role of generalization.* Paper presented at Rocky Mountain Psychological Association meeting, 1979 (with F. Oberdieck, C. Johnson and L. Hubbard).

*Interocular Transfer, Color, and Flavor Aversions in Pigeons.* Paper presented at Rocky Mountain Psychological Association meeting, 1979 (with D. Pounds and P. Williamson).

*Probability Learning and Performance Modeling in a Pack of Captive Wolves (Canis lupus).* Paper presented at the International Wolf Symposium, Portland, August 1979 (with C. Davis).

*Reinforcement of Cooperative Behavior in Captive Wolves.* Paper presented at the International Wolf Symposium, Portland, August 1979 (with C. Lyons and P. Ghezzi).

*The Effect of Observing Positive CS-US Correlations on Subsequent Autoshaping.* Paper presented at the Psychonomic Society meeting, November 1979, Phoenix, Arizona (with F. Oberdieck).

*Visual Stimuli Aversion in Pigeons.* Paper presented at 50th annual meeting of the Rocky Mountain Psychological Association, Tucson, 1980 (with D. Pounds, P. Williamson, and W. Riches).

*Repeated Acquisition and Extinction of Autoshaped Keypecking in a Dark Chamber.* Paper presented at 50th annual meeting of the Rocky Mountain Psychological Association, Tucson, 1980 (with F. Oberdieck).

*Responsive Environments for Captive Animals.* Paper presented in Symposium on "Behavioral Displays in Zoos" at the annual meeting of the Western Psychological Association, Honolulu, 1980.

*Dimensional Stimulus Control of Pecking Maintained by Stimulus-reinforcer Dependencies.* Paper presented at annual meeting of the Analysis of Behavior Association, Dearborn, 1980 (with K. Silverman and C. Lyons).

*Color Mediated Aversion in Pigeons: Resistance to Extinction.* Paper presented at Utah Academy of Science, Arts & Letters, Fall, 1980 (with R. Evans & D. Pounds).

*Combination of Color and Flavor Preferences in Pigeons.* Paper presented at Utah Academy of Science, Arts & Letters, Fall, 1980 (with A. Frome & D. Pounds).

*Confounded Taste and Color Aversions in Pigeons.* Paper presented at Psychonomic Society meeting, St. Louis, 1980 (with D. Pounds).

*Performance and Nutrition Status of Utah Children.* Paper presented at Rocky Mountain Psychological Association meeting, 1981 (with B. Draheim & D. Hendricks).

*The Scaling of Stimuli as a Pre-requisite to PBAL in Pigeons.* Paper presented at Rocky Mountain Psychological Association meeting, 1981 (with D. Pounds).

*Autoshaping to Previously Conditioned Aversive Conditioned Stimuli.* Paper presented at Rocky Mountain Psychological Association meeting, 1981 (with N. Eldred).

*Probability Learning in Two Diverse Fox Species.* Paper presented at Rocky Mountain Psychological Association meeting, 1981 (with E. Blake and S. Zufelt).

*A preliminary report on the effects of prefood stimuli on operant discrimination performance.* Utah Academy of Science, Arts, and Letters, Fall, 1981 (with P. Ghezzi).

*Rat defensive behavior: Burying a noxious water source.* Utah Academy of Science, Arts and Letters, Fall, 1981 (with S. Goldberg).

*Rat defensive behavior: Non-elicitation by a stimulus associated with extinction.* Utah Academy of Science, Arts, and Letters, Fall, 1981 (with S. Goldberg and P. Ghezzi).

*Changeover Response Topography as a Function of Component Reinforcement Type.* Paper presented at Rocky Mtn. Psychological Association meeting, 1981 (with C. Lyons and P. Ghezzi).

*Time Reallocation in a Multiresponse Environment: Effects of Restricting Response Classes.* Paper presented at the meeting of the Psychonomic Society, Minneapolis, 1982 (with C. Lyons).

*Travel Cost Effect on Giving-up Time in a Pigeon Model of Foraging.* Paper presented at the Animal Behavior Society meeting, Duluth, 1982 (with E. Bonem & S. Nittrouer).

*The Effects of Good vs. Bad Wildlife Films on Youth and the Effects of Natural Violence in a Film.* Paper presented at the Fifth International Wildlife Film Festival, Missoula, 1982.

*Stimulus Scaling and Poison-based Aversion Learning in Pigeons.* Paper presented at the Association for Behavior Analysis meeting, Milwaukee, 1982 (with D. Pounds).

*Rat Defensive Behavior: Interstrain Differences in Burying a Noxious Water Source.* Utah Academy of Science, Arts, & Letters, Spring, 1982 (with S. Goldberg).

*Rat Defensive Behavior: Procedural Variations and the Burying Response.* Utah Academy of Science, Arts and Letters, Spring, 1982 (with S. Goldberg).

*The Effects of Changeover Schedule on Changeover Responses Between Concurrent Adjusting Variable-Ratio Schedules.* Paper presented at the Rocky Mountain Psychological Association meeting, 1983 (with M. Bonem and E. Bonem).

*Stimulus and Prefood Stimulus Effects on Fixed-Interval and Fixed-Ratio Responding.* Paper presented at the Western Psychological Association meeting, 1983 (with P. Ghezzi).

*Multiple Determinants of Giving-up Time in a Foraging Model.* Paper presented at the Western Psychological Association meeting, 1983 (with E. Bonem and M. Bonem).

*Factors Contributing to Switching in a Foraging Model with Pigeons.* Paper presented at the Utah Academy of Science Arts and Letters meeting, Spring, 1983 (with B. Creer and J. Beecher).

*Time allocation in a closed system by rats.* Paper presented at the American Association for the Advancement of Science (AAAS) meeting, Logan, Utah, June 1983 (with P. Ghezzi and C. Lyons).

*Differential reinforcement and switching-cost effects in a foraging model.* Paper presented at AAAS meeting, Logan, Utah, June 1983 (with J. Shamaly).

*Poison-based aversion learning in pigeons with a compound stimulus.* Paper presented at Association for Behavior Analysis meeting, 1983 (with D. Pounds).

*Chronic pain: An animal model of responding in humans.* Paper presented at AAAS meeting, Logan, Utah, June 1983 (with S. Goldberg).

*An analysis of the role of verbal mediation on fixed-interval performance.* Paper presented at first annual meeting of the Northern Rocky Mountain Educational Research Association, Jackson Hole, Wyoming, October 15, 1983 (with C. Loftin).

*Contributions of Infrahuman Operant Research to Classroom Educational Practices.* Poster at the 16th Banff International Conference on Behavioral Science, March, 1984 (with R. Crow).

*Fixed-interval Performance with Verbal Rules as Mediator.* Poster at the 16th Banff International Conference on Behavioral Science, March, 1984 (with C. Loftin).

*Comparing Off- and On-the-Baseline Procedures for Establishing Conditioned Suppression and Enhancement.* Paper presented at Rocky Mtn. Psychological Association meeting, Las Vegas, 1984 (with P. Ghezzi).

*Foraging Enrichment for Captive Animals.* Paper presented at Pacific Division AAAS meeting, San Francisco, June 1984.

*Reinforcer Density and Distraction Effects on Patch Switching in a Foraging Model.* Paper presented at the Animal Behavior Society meeting, Cheney, Washington, August 1984.

*Resurgence in the context of foraging.* Paper presented at Association for Behavior Analysis meeting, Columbus, Ohio, 1984 (with R. Epstein).

*The effects of punishment on the resurgence of behavior with rats.* Paper presented at Association for Behavior Analysis meeting, Columbus, Ohio, 1985 (with C. Loftin).

*Effects of extended sessions on the performance of pigeons in a foraging model.* Paper presented at Rocky Mtn. Psychological Association meeting, Tucson, Arizona, 1985 (with E. Bonem).

*Experimental analysis of foraging.* Paper presented at the Association for Behavior Analysis meeting, Milwaukee, 1986 (with M. DeWulf and E. Bonem).

*Prefood stimulus effects on discrimination.* Paper presented at the Animal Behavior Society meeting, Tucson, Arizona, 1986 (with P. Ghezzi).

*The effects of prey vulnerability in a foraging simulation.* Paper presented at the Psychonomic Society annual meeting, New Orleans, 1986 (with M. DeWulf and E. Bonem).

*Psychoneuroimmunology: Learning in the Immune System.* Honor lecture presented at the School of Allied Health Professions, LSU Medical Center, New Orleans, November, 1986.

*Impacting Behavior with Science.* Paper presented at the first annual convention of The International Behaviorology Association, Potsdam, New York, August, 1988.

*The Behavior Management of AIDS Transmission.* Paper presented at the Northern California Analysis of Behavior Association, March, 1988 (with Jack Alvord).

*Reading level of AIDS information materials: Computer analysis of the literacy of AIDS information materials.* Presented at the 31st annual meeting of The Society for the Scientific Study of Sex, San Francisco, Nov., 1988 (with Jack Alvord).

*Pigeon performance in open- and closed-economies.* Presented at the 8th annual conference of the Northern California Association for Behavior Analysis, San Francisco, March, 1989 (with Craig Loftin).

*The open- and closed-economy continuum.* Poster presented at the Association for Behavior Analysis 15th annual meeting, Milwaukee, May, 1989 (with Craig Loftin).

*Basic research on open- and closed-economies.* Invited address at Ft. Lewis College, Durango, Colorado, March 30, 1989.

*Conditioned Tolerance to Ethanol in Pigeons.* Poster presented at the Association for Behavior Analysis 15th annual meeting, Milwaukee, May, 1989 (with Brady Phelps).

*Reaction-time and performance in the elderly.* Poster presented at the Association for Behavior Analysis 15th annual meeting, Milwaukee, May, 1989 (with Dawn Birk).

*TIBA is a Learned Society.* Presented at the Association for Behavior Analysis 15th annual meeting, Milwaukee, May, 1989.

*Ingestion of poisonous plants by livestock.* Presented at the Society for Range Management annual meeting, Reno, NV, 1989 (with J. Pfister and F. Provenza).

*The effects of prey cost in an operant analogue of foraging.* Presented at the annual meeting of the Northwest Association for Behavior Analysis, Seattle, WA, 1989 (with M. DeWulf).

*Detection and avoidance of plant toxins by herbivores.* Presented at the 3rd International Symposium on Poisonous Plants, Logan, UT, July 1989 (with Fred Provenza and Jim Pfister).

*Behaviorology: A basic discipline.* Presented at The International Behaviorology Association 2nd annual convention, Los Horcones, Mexico, January, 1990.

*Factors predisposing drug abuse.* Presented at the 16th annual convention of the Association for Behavior Analysis, Nashville, 1990 (with B. Phelps).

*Geotactic excitation in the development of second-order conditioned taste aversion.* Presented at the 16th annual convention of the Association for Behavior Analysis, Nashville, 1990 (with J. Gatling).

*Behavioral Toxicology of Animals Ingesting Plant Toxins.* Presented at the annual Society for Range Management meeting, Reno, NV, 1990 (with J. Pfister, F. Provenza and C. Arave).

*Detection, Avoidance and Tolerance of Plant Toxins by Herbivores: How can plants circumvent the system?* Presented at the annual Society for Range Management meeting, Reno, NV, 1990 (with F. Provenza and J. Pfister).

*Experimental Analysis of Food Selection Strategies by Domestic Animals.* Presented at 3rd annual convention of The International Behaviorology Association, Muncie, IN, January, 1991.

*Control of Foraging Strategies and Tactics in Domestic Livestock.* Presented at the annual convention of the Association for Behavior Analysis, Atlanta, May, 1991.

*Evaluating the Readability of AIDS Information Brochures.* Presented at the 23rd Interamerican Congress of Psychology, July 8, 1991, San Jose, Costa Rica, (with J. Alvord).

*Observational Learning in two-year old Tennessee Walker Geldings.* Paper presented at the American Society of Animal Science convention, Laramie, Wyoming, August, 1991. (with P. Stewart, C. Arave, L. Slade).

*Operant Behavioral Analysis of Acute Larkspur Intoxication in Cattle.* Paper presented at the annual meeting of the Society of Range Management, Washington, DC, 1991 (with J. Pfister and T. Weber).

*Salivary Gland Conditioning: In the footsteps of Pavlov and Garcia.* Paper presented at the fourth annual convention of The International Behaviorology Association, New Orleans, January, 1992 (with J. Pfister and F. Provenza).

*Interoceptive Conditioning of Salivary Gland Responses.* Poster presented at the annual convention of the Association for Behavior Analysis, San Francisco, May, 1992 (with J. Pfister and F. Provenza).

*Reversal of Tall Larkspur Poisoning in Cattle with Physostigmine.* Paper presented at the Western Regional Toxicology meeting, Logan, UT 1992. (with J. Pfister and K. Panter).

*B.F. Skinner's Early Work: The Link From Loeb to Crozier.* Paper presented at the Fifth Annual Convention of The International Behaviorology Association (TIBA), Little Compton, R.I., Mar., 1993 (with E.A. Vargas).

*Human Foraging.* Poster presented at the annual convention of the Association for Behavior Analysis: International (ABA:I), Chicago, May, 1993. (with B. Phelps).

*Skinner's Conceptual Development: Ants to Man.* Invited address at annual convention of NCABA, Oakland, CA, Feb., 1994. (with E. Vargas),

*Pigeon Diet Selection.* Poster presented at annual conference of NCABA, Oakland, CA, Feb., 1994. (with C. Schaffer and B. Hussey).

*Aversive Control.* (1994). Invited address at annual convention of TIBA, Guanajacto, Mexico, March 20.

*Avoidance.* (1994). Panel presentation at annual convention of ABA: International, Atlanta, GA.

*Medical Nonadherence: A Behavior Analysis.* (1995). Invited address at NCABA, Oakland, CA.

*Operant Behavior of Bovine under the influence of Toxins and Prophylactics.* (1995). Poster presented at NCABA, Oakland, CA (with C. Reed and J. Pfister).

*Teaching Behavior Concepts to Elementary School Children.* (1995). Poster presented at NCABA, Oakland, CA (with E. Miller).

*Immunizing Against Ignorance.* (1995). Address delivered at the seventh annual convention of The International Behaviorology Association, Gainesville, FL.

*Toxin Effects on the Operant Behavior of Cattle.* (1995). Poster presented at TIBA-7, Gainesville, FL. (with C. Reed and J. Pfister).

*Conditioning Foraging Behavior.* (1995). Discussant paper delivered at the 21st annual convention of ABA: International, Washington D.C., May, 27.

*Operant Analysis of the Effects of Toxic Plant Ingestion by Livestock.* (1995). Paper delivered at 21st annual convention of ABA:I, Washington D.C., (With J. Pfister).

*Ogden Lindsley-- the man and his work.* Panel member (Bob Bailey, chair) ABA:I, **May**, 1995.

*The Generic Nature of Prevention.* (1996). Paper presented at the convention of ABA: International, San Francisco.

*Forced Flavor Exposure Effects on Food Neophobia.* (1996). Poster presented at ABA: International, San Francisco (with E. Miller).

*Hunger: The Basis of All Behavior.* (1997). Invited address at No. Cal. ABA, Feb. 21, Oakland, CA.

*Biology, Ethology and Behaviorology.* (1997). Address at the IXth annual TIBA convention, Plymouth, Mass.

*A Hi-tech Verbal Summator and Latent Speech in Children.* (1997). Poster at TIBA-9, Plymouth, MA. (with A.Gardner and T. Woodmancy).

*Student Reports to Statements About the Use of Animals in Psychological Research.* (1997). Poster at TIBA-9, Plymouth, MA. (with Y-Fong Lau).

*Melatonin Effects on Pigeon Performance.* (1997). Poster at the annual convention of ABA, Chicago. (with J. Guillaumot and N. Call).

*Teaching Behavior Science to Youngsters.* (1997). Presentation at the annual convention of ABA, Chicago. (with E. Miller).

Supervised Conduct and preparation of three Posters (N.Call;L.Koppel;Y.F.Lau). NCABA, Oakland, CA, 1998.

*Structure of the Reflex and the Concept of Volition.* Presidential address, ISB-X, Tampa, March 18,1998.

*Self Organizing Brain and Behavior.* Invited address, Cal-ABA, San Francisco, Jan.28, 1999. (With F. Provenza)

*Calories Attenuate Activity-Based Anorexia.* Poster presented at ABA, Chicago, May, 1999. (With L. Koppel).

*Behavior Analysis: From Science to Engineering.* Invited address at CalABA, Feb., 2000.

*Battling Ignorance not Opposition.* Invited address, NWABA, Oct. 2000.

*Promoting world view and life style behavior analysis.* Invited address, CalABA, Feb. 2001.

*Recidivism of Activity-based Anorexia.* Poster at ABA, May, 2001. New Orleans, LA. (With Rosemary Tolman).

*Internal and External Effects of Early Experience.* Paper delivered at ABA, May, 2002. Toronto, Canada. (with Fred Provenza).

*Behavior Analysis in the future.* Invited address, CalABA, Newport Beach, CA., Feb., 2003.

*(Sponsored three undergraduate posters at CalABA, Feb., 2003.)*

*Science and Religion: Same aims and means, different baggage.* Paper in a Symposium: *Behavior Analysis in the Cultural Domain*, chaired by J. Twyman at ABA, May, 2003. San Francisco, CA.

*External and Internal Effects on Behavior.* Invited address 1<sup>st</sup> Annual Nevada Association for Behavior Analysis, Jan 2004.

Modeling hamsters for evaluating West Nile Virus therapies (Poster). J.D. Morrey, C.W. Day, J.G. Julander, A.L. Olsen, R.W. Sidwell, C.D. Cheney, L.M. Blatt. Institute for Antiviral Research.

*From Ants to Man:* The emergence of the experimental analysis of behavior. An invited series of five presentations delivered at the UN-Reno, July, 2004.