

Vita

Name: F. Robert Treichler

Current rank: Emeritus Professor of Psychology (as of 1994)

EDUCATION

<i>Degree</i>	<i>Year Degree Received</i>	<i>(Discipline Major/Minor) College/University</i>
B.A.	1954	(Psychology; Biology) Dickinson College, Carlisle PA
M.A.	1955	(Psychology; Zoology) Pennsylvania State University
Ph.D.	1960	(Psychology, Zoology) Pennsylvania State University

PROFESSIONAL EXPERIENCE (academic, administrative)

<i>Inclusive Dates</i>	<i>Position, Institution</i>
1994 - present	EMERITUS PROFESSOR OF PSYCHOLOGY, Kent State University
1999 – 2000	ASSISTANT DEAN FOR ADVISING (Part-time) – Kent State University, College of Arts and Sciences
1969 - 1993	PROFESSOR OF PSYCHOLOGY, Kent State University
1966 - 1968	ASSOCIATE PROFESSOR OF PSYCHOLOGY, Kent State University
1962 - 1965	ASSISTANT PROFESSOR OF PSYCHOLOGY, Kent State University
1960 - 1962	NIMH POSTDOCTORAL FELLOW, Ohio State University
1959	INSTRUCTOR IN PSYCHOLOGY, Pennsylvania State University (Altoona Campus)

- 1959 – 1960 HUMAN FACTORS PSYCHOLOGIST, (part-time), HRB-Singer, Inc., an engineering consulting firm, State College, PA
- 1957 - 1958 LABORATORY & TEACHING ASSISTANT IN PSYCHOLOGY, Pennsylvania State University
- 1955 - 1957 RESEARCH PSYCHOLOGIST, U. S. Army-Signal Corps Survey Team, Electronics Training Research Branch, Ft. Monmouth, NJ

PUBLICATIONS --

Book Chapters:

- . Meyer, D. R., Treichler, F. R., & Meyer, P. M. (1965). Discrete-trial training techniques and stimulus variables. *Behavior of non-human primates*, A. M. Schrier, H. F. Harlow, & F. Stollnitz (Eds.) Vol. I, Academic Press, New York. 1-49.

- Treichler, F. R. (2007). Monkeys making a list: Checking it twice? In *Primate Perspectives on Behavior and Cognition*, D. A. Washburn (Ed.), American Psychological Association, Washington, DC. 143-160.

- Treichler, F. R. (2012) Serial list retention by non-human primates: Complexity and cognitive continuity. In *The Complex Mind: An Interdisciplinary Approach*. D. McFarland, K. Stenning & M. McGonigle-Chalmers (Eds.), Palgrave Macmillan, Basingstoke, UK. 25-37.

Peer-reviewed research reports:

- . Hall, J. F., & Treichler, F. R. (1956). Transfer of training in a perceptual discrimination task. *Perceptual & Motor Skills*, **6**, 107-108.

- Treichler, F. R., & Hall, J. F. (1962). The relationship between deprivation weight loss and several measures of activity. *Journal of Comparative and Physiological Psychology*, **55**, 346-349. Also in *Readings in the Psychology of Learning*, J. F. Hall (Ed.), New York, Lippincott Co., 1967, 60-66.

- Treichler, F. R., Horel, J. A., & Meyer, D. R. (1962). An assessment of automatically dispensed primate reinforcers. *Journal of the Experimental Analysis of Behavior*, **5**, 537-539.

Horel, J. A., Treichler, F. R., & Meyer, D. R. (1963). Coercive behavior in the rhesus monkey. *Journal of Comparative and Physiological Psychology*, **56**, 208-210.

Meyer, D. R., Treichler, F. R., Yutzey, D. A., & Meyer, P. M. (1964). Preference effects in discrimination learning by normal and frontal monkeys. *Journal of Comparative and Physiological Psychology*, **58**, 472-474.

Treichler, F. R. (1964). Delayed response performance by the Squirrel Monkey, *Psychonomic Science*, **1**, 129-130.

Williams, J., Treichler, F. R., & Thomas, D. R. (1964). Satiation and recovery of the air-drinking response in rats. *Psychonomic Science*, **1**, 49-50.

Treichler, F. R., & Feeney, D. M. (1965). A comparison of running activity of weanling rats under food or water deprivation. *Psychological Reports*, **16**, 906-908.

Treichler, F. R., & Marsella, A. J. (1965). Extent of deprivation and probability learning performance. *Psychological Reports*, **16**, 915-916.

Treichler, F. R., & Collins, R. W. (1965). A comparison of cyclic and continuous deprivation effects on wheel-running. *Journal of Comparative and Physiological Psychology*, **60**, 447-448.

Treichler, F. R., & Homick, J. L. (1966). Pretraining influence on the relationship between extent of deprivation and probability learning performance. *Psychological Reports*, **18**, 689-690.

Treichler, F. R., Hann, B., & Donaldson, S. L. (1966). Comparison of operant rate and paired comparison methods of measuring reinforcer preferences in monkeys. *Psychological Reports*, **18**, 435-439.

Treichler, F. R. (1966). Transfer effects in monkey discrimination learning after extensive two problem training. *Psychonomic Science*, **5**, 201-202.

Treichler, F. R. (1967). Reinforcer preference effects on probability learning performance by monkeys. *Journal of Comparative and Physiological Psychology*, **61**, 339-342.

Riccio, D. C., Hamilton, D. M., & Treichler, F. R. (1967). Effects of age and ingestive experience on air-drinking behavior in the rat. *Psychonomic Science*, **7**, 295-296.

- Treichler, F. R., & Hamilton, D. M. (1967). Relationships between deprivation and air-drinking behavior. *Journal of Comparative and Physiological Psychology*, **63**, 541-544.
- Treichler, F. R., & Weinstein, A. (1967). Effects of adaptation and amount of reward on air-drinking behavior. *Psychonomic Science*, **9**, 525-526.
- Treichler, F. R., & Hoernig, M. J. (1967). Relationships among age, deprivation severity and intake behavior of rats. *Psychonomic Science*, **8**, 127-128.
- Treichler, F. R., Hann, B., & Way, S. J. (1967). The effects of response-induced stimulus change on human discrimination. *Journal of Experimental Psychology*, **75**, 453-456.
- Treichler, F. R., & Way, S. J. (1968). Task variables and the effects of response-contingent stimulus change on discrimination performance. *Journal of Experimental Psychology*, **76**, 671-673.
- Hamilton, D. M., & Treichler, F. R. (1968). Effects of multiple stimulus dimensions on preoperative and postoperative performance of brightness discrimination by rats. *Journal of Comparative and Physiological Psychology*, **66**, 363-368.
- Schweikert, G. E., & Treichler, F. R. (1969). Visual probability learning and reversal in cats. *Journal of Comparative and Physiological Psychology*, **67**, 269-272.
- Parker, T. D., Ericksen, C. K., & Treichler, F. R. (1969). The influence of brightness preferences on the assessment of cortical lesion deficits in rats. *Journal of Comparative and Physiological Psychology*, **67**, 240-244.
- Treichler, F. R., & Riccio, B. B. (1970). Discrimination influences of the post-choice display of incorrect objects. *Journal of Experimental Psychology*, **83**, 345-347.
- Treichler, F. R., & Dengerink, H. (1970). Visual and spatial probability learning by the rat: Selective decortication influences. *Physiology and Behavior*, **5**, 1229-1233.
- Parker, T. D., & Treichler, F. R. (1970). Transfer of brightness discrimination training by normal and striate lesioned rats. *Physiology and Behavior*, **5**, 75-77.

- Ricciardi, A. M., & Treichler, F. R. (1970). Prior training influences on transfer to learning set by squirrel monkeys. *Journal of Comparative and Physiological Psychology*, **73**, 314-319.
- Treichler, F. R., Conner, J. B., & Ricciardi, A. M. (1970). Probability learning and reversal by experimentally naive rhesus and squirrel monkeys. *Learning and Motivation*, **1**, 411-419.
- Treichler, F. R., Graham, M. M., & Schweikert, G. E. (1971). Social facilitation of the rat's responding in extinction. *Psychonomic Science*, **22**, 291-294.
- Treichler, F. R. (1971). Noncorrectional probability learning and reversal by rats: Posterior decortication influence. *Physiology and Behavior*, **6**, 613-615.
- Treichler, F. R., Hamilton, D. M., & Halay, M. A. (1971). The influence of delay interval on severity of the spatial alternation deficit in frontal monkeys. *Cortex*, **7**, 143-151.
- Fossett, C. K., & Treichler, F. R. (1971). Air-drinking by partially ageusic rats. *Physiology and Behavior*, **7**, 759-761.
- Treichler, F. R. (1973) Effects of extensive training on object reversal by frontal monkeys. *Neuropsychologia*, **11**, 57-65.
- Parker, T. D., & Treichler, F. R. (1973). The influence of restricted posterior neodecortication on brightness preference and brightness discrimination performance of rats. *Physiology and Behavior*, **10**, 473-478.
- Treichler, F. R., Hubbard, M. J., & Holland, E. J. (1975). Restricted posterior cortical lesion influences on learning and retention of a successive brightness discrimination. *Physiological Psychology*, **3**, 73-76.
- Treichler, F. R. (1975). Two-stage frontal lesion influences upon severity of delayed-response deficit. *Behavioral Biology*, **13**, 35-47.
- Treichler, F. R., Wetsel, W., & Lesner, S. A. (1977). Some characteristics of concurrent discrimination and its retention by monkeys. *Learning and Motivation*, **8**, 213-228.
- Bolles, R. C., & Treichler, F. R. (1977). Deprivation, weight loss and intake in the rat as a function of age: Evidence for an obligatory growth factor. *Biobehavioral Reviews*, **1**, 207-212.

- Treichler, F. R., & Wetsel, W. C. (1978). Pressure influences on air-licking behavior of rats. *Physiological Psychology*, **6**, 399-402.
- Treichler, F. R., Petros, T. V., & Lesner, S. A. (1981). Preference effects on acquisition and retention of concurrent discriminations by rhesus monkeys. *Animal Learning & Behavior*, **9**, 401-405.
- Treichler, F. R., & Conley, E. J. (1982). Posterior cortical lesion influences on successive discrimination reversal performance by rats. *Physiological Psychology*, **10**, 405-408.
- Treichler, F. R., & Petros, T. V. (1983). Interference characteristics in concurrent discrimination performance by monkeys. *Bulletin of the Psychonomic Society*, **21**, 206-208.
- Treichler, F. R. (1984). Long-term retention of concurrent discriminations by monkeys. *Physiological Psychology*, **12**, 92-96.
- Santucci, A. C., and Treichler, F. R. (1985). Effects of posterior cortical lesion on two versions of the brightness-discrimination task. *Physiological Psychology*, **13**, 86-91.
- Treichler, F. R., and Petros, T. V. (1986). Information about incorrect choices in the transfer of concurrent discriminations by monkeys. *American Journal of Psychology*, **99**, 497-507.
- Santucci, A. C., Treichler, F. R., and Ahlers, S. T. (1986). Effects of ethanol inhalation exposure on brightness discrimination after posterior decortication. *Physiological Psychology*, **14**, 90-95.
- Santucci, A. C., Riccio, D. C., & Treichler, F. R. (1989). Role of ACTH in recovery from retrograde amnesia induced by hypothermia in rats. *Behavioral Neuroscience*, **103**, 1267-1275.
- Santucci, A. C., & Treichler, F. R. (1990). Concurrent object discrimination in rats. *Animal Learning and Behavior*, **18**, 295-301.
- Treichler, F. R., & Petros, T. V. (1991). Informational properties of infinite numbers of objects in concurrent discriminations by monkeys. *Animal Learning and Behavior*, **19**, 95-100.
- Bakner, L., & Treichler, F. R. (1993). Age differences in the acquisition and retention of concurrent discriminations by monkeys. *Animal Learning and Behavior*, *21(1)*, 51-58.

Treichler, F. R., & VanTilburg, D. (1996). Concurrent conditional discrimination tests of transitive inference by macaque monkeys: List linking. *Journal of Experimental Psychology: Animal Behavior Processes*, *11*(1), 105-117.

Treichler, F. R., & VanTilburg, D. (1999). Training requirements and retention characteristics of serial list organization by macaque monkeys. *Animal Cognition*, *2*, 235-244.

Treichler, F. R., & VanTilburg, D. (2002). Premise-pair training for valid tests of serial list organization in macaques. *Animal Cognition*, *5*, 97-105.

Treichler, F. R., Raghanti, M. A., & VanTilburg, D. (2003). Linking of serially ordered lists by macaque monkeys (*Macaca mulatta*): List position influences. *Journal of Experimental Psychology: Animal Behavior Processes*, *29*, 211-221.

Treichler, F. R. (2005). Successive reversal of concurrent discriminations by macaques (*Macaca mulatta*): proactive interference effects. *Animal Cognition*, *8*, 6-15.

Treichler, F. R., Raghanti, M. A., & VanTilburg, D. (2007). Serial list linking by macaque monkeys (*Macaca mulatta*): List property limitations. *Journal of Comparative Psychology*, *121*, 251-259.

Treichler, F. R. & Raghanti, M. A. (2010). Serial list combination by monkeys (*Macaca mulatta*): test cues and linking. *Animal Cognition*, *13*, 121-131.

Treichler, F. R. (2013). Testing musical ability: An American dissenter and some related historical comparisons. *History of the Human Sciences*, *26* (5), 48-68.

Raghanti, M. A., Spurlock, L. B., Treichler, F. R., Weigel, S. E., Stimmelmayer, R., Butti, C., Thewissen, J. G. M. & Hof, P. R. (2014). An analysis of von Economo neurons in the cerebral cortex of cetaceans, artiodactyls, and perissodactyls. *Brain Structure & Function*, *220*, 2303-2314.

ABSTRACTS

M.A. Raghanti, L.B. Spurlock, F.R. Treichler, N. T. Heinrichs, J.C. George, R. Stimmelmayer, C. Butti, J.G.M. Thewissen (2013). An analysis of von Economo neurons in the cerebral cortex of cetaceans, artiodactyls, and perissodactyls: Emerging evidence for a phylogenetically ancient neuron type. *Society for Neuroscience*.

PRESENTATIONS AT PROFESSIONAL MEETINGS (last 15 years)-

Treichler, F. R. & Raghanti, M. A. (2005). Monkeys linking serial lists: A test of episodic memory. Comparative Cognition Society, Melbourne, FL.

Treichler, F.R. (2011) Raleigh Drake's tests of music and beyond. Southeastern Psychological Association, Jacksonville, FL. (invited)

GRANTS – Indicating Source, Role and Year(s)

Kent State University Summer Research Grants -- 2 awards – Principal Investigator -
--1963 and 1974

National Institutes of Mental Health -- 3 awards – Principal Investigator -- 1963 to 1971.

National Science Foundation -- Undergraduate Research Participation -- Project Director
-- 6 awards -- 1965 to 1981.

National Science Foundation -- Undergraduate Research Experience -- Project Director
-- 4 awards -- 1987 to 1992.

KSU Research and Sponsored Programs -- Academic-year release-time appointment –
--Spring semester - 1990.

ACADEMIC and PROFESSIONAL HONORS

Professional Organizations:

Sigma Xi – Member since 1960, Chapter Secretary 1979-81; President 1984-86

American Psychological Association--Fellow (Divisions 3 & 6)

Member (Division 26)

Psychonomic Society – 50 year member

American Psychological Society -- Charter Fellow

Midwestern Psychological Association - Charter Fellow

University Honors:

President's Medal – Career contribution – Kent State Commencement 1994
Varsity “K” Hall of Fame (2004) -- Honorary Member Award
Kent State University Intercollegiate Athletics

OTHER SCHOLARLY ACTIVITY:

Review & Editing:

NSF Research Grant Reviewer -- 1967-1994
NSF Panelist on Evaluation of Undergraduate Research Participation and
Instructional Equipment Grants -- 1968-75
Associate Editor -- *Learning and Motivation* -- 1969-75.
Midwestern Psychological Association Program Committee -- 1983-86;
Program Chair -- 1984.
NIMH Grant Reviewer -- 2005, 2006
Ad hoc Reviewer – various American Psychological Assn. and
Springer-Verlag journals – 1970 to present

NON-PROFESSIONAL AUTHORSHIPS

Local History Books - *A History of Northeast Ohio Stoneware* (2011),
ISBN # 978-0-61543332-5, Carlisle Printing of Walnut Creek (OH).
reviewed in *Maine Antique Digest*, January 2012

More History of Ohio Stoneware (2015)
ISBN # 978-0-692-47006-0, Carlisle Printing of Walnut Creek (OH).
reviewed in *Maine Antique Digest*, November 2015

UNIVERSITY SERVICE:

University Athletic Committee – 1969 - 1976; 1979 - 1982
Faculty Representative for Intercollegiate Athletics to NCAA and Mid-American
Conference –1971 - 1976; 1979 - 1982
University Ethics Committee – 1983 - 1984
NEO College of Medicine BS/MD Admissions Committees - 1976-1988
College of Arts and Sciences Curriculum Committee – 1986 - 1992
Institutional Animal Care and Use Committee – 1981 - 1991; Chair 1983 - 1987
Percent for Art – Sculptural Review Committee – 2009, 2010
F. Robert and Nancy R. Treichler Undergraduate Scholarship Endowment Fund
2014 to present

COMMUNITY SERVICE:

Tallmadge Historical Society – 1966 to present; President – 1971

Summit County Historic Homes Association – 1990 to present

City of Tallmadge – Appearance Commission – 1995 - 2007,
renamed Heritage Commission 2006

Akron International Friendship – Home host to US State Dept. and other
agency-sponsored visitors. -- 1983 to present