

# 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