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### **Lester E. Krueger Papers**

COLLECTION DATES: 1968-2002

VOLUME: 10.75 Linear Feet [M3389-3410]

ACCESS: This collection is open for research

PROCESSED BY: Tim Rogers, February 2006

#### **Biographical Note**

Lester E. Krueger was born on November 6, 1939, in Chicago Illinois. Krueger received a Bachelor of Science in Journalism, a Master's of Science in Journalism, and a Master of Arts at the New School for Social Research at Northwestern University in 1960, 1961, 1965 respectively. Krueger received his Ph.D. from Harvard University in 1969. After completing his doctorate, Krueger became an assistant and subsequently an associate professor at the City College of New York from 1969-1974. Krueger then went on to teach at The Ohio State University for the remainder of his career, becoming a full professor. During his career he published several studies on various topics in cognitive psychology (e.g. detection of letter repetition in words and non-words, word-superiority effect, perceptual matching, visual information processing, and psychophysics), associate editor for Perception and Psychophysics, and was active in several professional organizations. He was a fellow for Division 3 in the American Psychological Association, and a fellow in the American Psychological Society. Lester E. Krueger died in 2005.

#### **Scope and Content**

The Lester E. Krueger papers are organized into the following record series:

1. Biographical
2. Correspondence
3. Research
4. Conferences
5. Editorial
6. Teaching and Educational Materials
7. Computers
8. Dissertations and Theses
9. Experimental Data

The papers of Lester E. Krueger entail his extensive research in cognitive psychology. Most of the materials in the collection document the progression of a rough draft to a published manuscript. In addition to these research materials, this collection contains correspondence with colleagues, materials from conferences he attended, his work as an editor and reviewer of scholarly works, teaching and educational materials, as well as information about technology that he used for his research experiments. Of special note in this collection are the IMLAC computers used in Krueger's experimental research.

## **Series Description**

### **1. Biographical File**

This series consists of autobiographical information from his curriculum vitae.

### **2. Correspondence**

This series contains general correspondence related to various topics. The dates of correspondence range from 1970-1994 and are arranged chronologically. Most of the correspondence related to Krueger's research (e.g. editors, coauthors, and colleagues) is included with the relevant manuscripts.

### **3. Research**

Included in this series are reprints, manuscripts, and other professional publications such as newsletters that convey information about clinical psychology, eclecticism, education, IQ, mental retardation, psychology, pharmacology, psychotherapy, and therapists.

### **4. Conferences**

In this series, materials from Attention and Performance Conference IV, and Electronics for Scientists Program are included.

### **5. Editorial**

This series contains Krueger's work as an associate editor for Perception and Psychophysics, consulting editor for Memory & Cognition, and associate editor for Behavioral and Brain Sciences. In addition, this series also includes commentaries from manuscripts or books that he reviewed.

### **6. Teaching/Educational Materials**

Materials included in this series are notes, and course syllabi Krueger used as a professor of psychology to examine issues related to cognitive psychology.

## **7. Computers**

This series contains diagrams and instructions for using equipment, manuals for the IMLAC computers, manufacturer's information about products, notes about using the equipment, program information, output from analyses, and receipts from purchases.

## **8. Dissertation/Theses**

Materials in this series include Krueger's master thesis and dissertation as well as those done by students.

## **9. Experimental Data**

In this series are data reels, disk cartridges, and back up floppy disks from Krueger's office and experiments.

### **Inventory**

#### **Series 1: Biographical**

Box 1: (M3389)

Lester E. Krueger Biographical Information – (M3389)

#### **Series 2: Correspondence**

Box 1: (M3389)

General Correspondence (1970-1994) – (M3389)

#### **Series 3: Research (Manuscripts)**

Boxes 2-13: (M3390-M3401)

A Theory of Perceptual Matching: A Technical Report (1977) – (M3390)

A Theory of Perceptual Matching (1978) – (M3390)

A Theory of "Same-Different" Judgments: Preliminary Draft (1976) – (M3390)

Alphanumerical Order and Category Effects in Visual Search (1985) – (M3390)

Cognitive Impenetrability of Perception (1989) – (M3391)

Complexity Level and Vision (1990) – (M3391)

Converging Evidence of Psychophysical Law (1988) – (M3391)

Directional Scanning (1976) – (M3391)

Effect of Opposite-Case Distractors (1991) – (M3391)

Familiarity Effects in Visual Information Processing (1975) – (M3392)

Features and Location: Dichotomy or Continuum (1989) – (M3392)

Feature Perturbations (1983) – (M3392)  
Fechner's Law (1980) – (M3392)  
High Speed Stress (1985) – (M3392)  
Intermixed Foveal and Parafoveal presentation (1985) – (M3393)  
Interstimulus Interval and Heterogeneity of Difference (1985) – (M3393)  
Intertrial Effects (1981) – (M3393)  
Item Recognition (1975) – (M3393)  
Intraword and Interword Letter Repetition (1988) – (M3393)  
Keep It Simple (1989) – (M3394)  
Letter Detection (1979) – (M3394)  
Letter Masking and Letter Reversal (1985) – (M3394)  
Letter-pair Frequency and Orientation (1973) – (M3394)  
Letter Search (1975) – (M3394)  
Letter Search (1982) – (M3395)  
Letter Search (1980) – (M3395)  
Letter Search by Braille Readers (1982) – (M3395)  
Letter Search by Words and Nonwords (1974) – (M3395)  
Masking and Same Different Judgments (1987) – (M3395)  
Model of Unidimensional Perceptual Matching (1979) – (M3395)  
Odd Even Rule (1984) – (M3396)  
Perceptual Matching (1980) – (M3396)  
Perceptual Matching Under Difficult Conditions (1984) – (M3396)  
Positive Effect of Heterogeneity (1986) – (M3396)  
Proctor's Priming Principle (1983) – (M3397)  
Proctor's Theory (1981) – (M3397)  
Psychological Law (1990) – (M3397)  
Reaction Time Experiments (1982) – (M3397)  
Repeating the Target (1980) – (M3397)  
Review of Cognition and the Symbolic Processes (1982) – (M3397)  
Same-Different Judgments by Older Adults (1987) – (M3398)  
Search for Absence (1980) – (M3398)  
Search for a Letter-pair (1982) – (M3398)  
Search for a Single Word or Nonword (1992) – (M3398)  
Search Time (Undated) – (M3399)  
Self Termination (1983) – (M3399)  
Single Judgments (1981) – (M3399)  
Statistics with a Human Face (1987) – (M3399)  
Tactile Perception in Historical Perspective (1979) – (M3399)  
Tactual Perception in Historical Perspective (1980) – (M3399)  
Toward a Unified Psychophysical Law (1990) – (M3400)  
Visual Comparison (Undated) – (M3400)  
Will the Real Stimulus Please Step Forward (1991) – (M3400)  
Word Superiority Effect (1975) – (M3400)  
Word Superiority Effect (1982) – (M3400)  
Word Superiority Effect (1992) – (M3400)  
World of Touch (1968-1980) 1 – (M3401)

World of Touch (1986-1989) 2 – (M3401)  
World of Touch (1988) 3 – (M3401)  
World of Touch (1989) 4 – (M3401)

#### **Series 4: Conferences**

Box 14: (M3402)

Attention and Performances IV (1971) – (M3402)  
Electronics for Scientists Program 1 (1966) – (M3402)  
Electronics for Scientists Program 2 (1966) – (M3402)  
Electronics for Scientists Program 3 (1966) – (M3402)  
Electronics for Scientists Program 4 (1966) – (M3402)

#### **Series 5: Editorial**

Box 15: (M3403)

Editor

Continuity and Stream Segregation of Noise (1998) – (M3403)  
Various Manuscripts – (M3403)

Review

Psychophysical Scaling (1992) – (M3403)

#### **Series 6: Teaching and Educational Materials**

Box 15: (M3403)

Course Syllabi, Notes from Courses, Presentations (1987-2002) – (M3403)

#### **Series 7: Computers**

Boxes 15-19: (M3403-M3407)

Diagrams for Operating – (M3403)  
Instructions for IMLAC – (M3404)  
Manual for IMLAC 1 (1980) – (M3405)  
Manual for IMLAC 2 (1975-1979) – (M3405)  
Manual for IMLAC 3 (1973-1974) – (M3405)  
Manual for IMLAC 4 (1973-1974) – (M3405)  
Manual for IMLAC 5 (1971-1972) – (M3406)  
Manuals – (M3406)  
Manufacturers' Information – (M3406)  
Notes (1972-1981) – (M3406)

Output – (M3406)  
Programs 1 – (M3406)  
Programs 2 – (M3407)  
Receipts – (M3407)

**Series 8: Dissertations/Theses**

Boxes 20-21: (M3408-M3409)

Lester E. Krueger - (M3408)

Thesis: Effect of Type Face on Connotations of Advertisements (1961)

Dissertation: Search Time in Redundant Visual Display (1969)

Students – (M3409)

Thesis: The Effect of Interstimulus Interval on Same-Different Judgments of Visual Patterns (1977)

Thesis: On the Stopping Time for the Random Walk with Poisson Steps and Absorbing Boundaries (1996)

Dissertation: The Effect of Irrelevant Surrounding Letters on Focal Letter Identification (1981)

Technical Writeups (1980)

Thesis: Effect of Mask Location, Letter Orientation, and Letter Pair Direction on Perceptual Matching (1982)

Thesis: Effect of Size of Difference and Stimulus Configuration on Speed of Verification of Arithmetic Sums (1982)

**Series 9: Experimental Data**

Box 22: (M3410)

Data Disks – (M3410)

Data Reels – (M3410)

Floppy Disks (Backup Files) – (M3410)