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Archives of the History of American Psychology
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Willard E. Caldwell, Papers

COLLECTION DATES: 1938 - 2007

VOLUME: 6 linear feet

RESTRICTIONS: Collection is open for research use

PREPARED BY: Mark Bloom, September 2007

Biographical Note

Willard E. Caldwell was born July 10, 1920 in Flushing, Long Island, New York. Caldwell earned his A.B. (Artium Baccalaureatus) and M.A. at the University of Florida in 1941 and 1942 respectively. He then went to Cornell University to work on his Ph.D. which he received in 1946. Caldwell was appointed Professor of Psychology at Mary Baldwin College in 1946-1947. In 1947 he was hired as Assistant Professor of Psychology at George Washington University where he remained for 38 years. Caldwell also maintained a part-time private practice in Florida from 1954-1958. He was awarded Professor Emeritus in 1985 and continues researching and writing into retirement.

Scope and Content

The Willard E. Caldwell papers are arranged into the following series:

1. Biographical Files
2. Correspondence
3. Academic Materials
4. Research
5. Writings
6. Subject Files

The papers of Willard E. Caldwell document his career as a teacher and researcher. There is little personal biographical information in this collection that does not involve Caldwell's profession. The correspondence in this collection from 1940 through 2007 mostly concerns publishing material or collaborations with colleagues. Caldwell's early

interest in comparative psychology is evident in the animal studies that are included in his research. There are lecture notes and outlines for the Comparative Psychology and History and Systems of Psychology classes Caldwell taught, along with newspaper and newsletter articles about his academic activities. This collection has a large amount of slides and photographic material related to Caldwell's investigation into Corona Discharge Photography or Kirlian Photography a technique for photographing energy radiated from animate and inanimate objects. A large portion of written and research material are for a book he wrote after retirement entitled *Sudden Infant Death Syndrome: Toward an Integrated Theory of (ARSID) Apnea Related Sudden Infant Death Syndrome*.

Description of Series

Series 1: Biographical file

This small series contains information regarding Caldwell's personal and professional life. It includes a vocational guidance interview from 1938, clinical and post-doctoral experiences and awards and certificates of professional recognition.

Series 2: Correspondence

This series consists of general professional correspondence including correspondence with colleagues in the medical and psychological fields. It also includes contact with publishers and professional organizations. This series has material in it dating from 1942 through 2007.

Series 3: Academic Materials

This series includes Caldwell's thesis, along with material on the Comparative Psychology and History and Systems of Psychology classes that he taught. Also included in this series are announcements of seminars and lectures given by Caldwell, material about George Washington University, and newspaper articles about Caldwell's academic activities.

Series 4: Research

This series is divided into four sub-series:

Sub-series 1: Animal Studies includes various experiments and trials that Caldwell performed. Many of these folders are located in the oversized materials box.

Sub-series 2: Bio-energy consists of theories and material on the bio-electric energy that living organisms generate.

Sub-series 3: "Kirlian Photography" includes procedures, notes and theories on performing corona discharge photography and Caldwell's results of those photographs. This series has many slides and photographs that were removed to the visual media collection.

Sub-series 4: Apnea Related Sudden Infant Death Syndrome consists of theories and ideas that Caldwell believes could explain psychological reasons for this event.

Series 5: Writings

This series encompasses the Drafts and Reprints of Caldwell's published works. Caldwell's book *Principles of Comparative Psychology* was removed to the textbook collection. There are also several bibliographies of Caldwell's work.

Series 6: Subject Files

This series has material on travel, genealogy, and information regarding Shady Side, Maryland. The Differentiatometer test was removed to the test collection.

Inventory

Box 1: [M3604]

Folder- Contents

Series 1: Biographical Files

1. Vocational Guidance Interview 1937
2. Professional Recognition
3. Newspaper and Newsletter Articles about Caldwell's laboratory work
4. Clinical Experience and Post Doctoral Education
5. Professional Material

Series 2: Correspondence

6. 1940 through 1949 [and some with no date]
7. 1950 through 1959
8. 1960 through 1969
9. 1970 through 1979
10. 1980 through 1989
11. 1990 through 2007

Series 3: Academics

12. Thesis: Consequences of Long Continues and Unvarying Motor Conditioning in Sheep by Willard Edmund Caldwell 1946

13. Appointment as Professor Emeritus Letter, 1985 with Commencement Book and speech about Caldwell
14. Conference presentations and Lectures
15. Graduate Council
16. Lecture – New Theory of Neuroses
17. Lecture – New Theories of Behaviorism
18. Lecture Notes
19. Lecture 7 Material
20. Notes for course 196 History and Systems of Psychology
21. Notes and Material for Psychology 161 Lecture
22. Outline of Comparative Psychology Lectures; Psychology 161
23. Outline of Comparative Psychology Lectures Chapters 1-9
24. Outline of Comparative Psychology Lectures Chapters 8, 9, 4, 6, and Special taxes
25. Outline of Comparative Psychology Lectures Chapters 10-16
26. Outline and Notes for History and Systems of Psychology 196
27. Outline and Notes for Psychology Class
28. Summary of Academic Career
29. Thesis and Note from Graduate Student
30. George Washington University Newsletters
31. George Washington University Material
32. Newspaper releases of Caldwell's Academic Activities

Series 4: Research

Sub-series 1: Animal Studies

33. Albino Mice
34. Others (List of material in Oversized Materials Box # 6 M3609)
35. Sheep
36. Unidentified Study Material
37. Diagram of Apparatus for Pigeon Study
38. An Exploratory Study Involving the Effects of Long Term Conflict Upon the Stress Reactions of Rats
39. Stomach Contractions
40. Stomach Contractions folder #2

Box 2: [M3605]

Folder – Contents

Series 4: Research [continued]

1. Stress Studies Kyriasis folder #1
2. Stress Studies Kyriasis folder #2
3. Theory of Morpho-Genesis
4. Theory of Morphogenesis

Sub-series 2: Bio-energy

5. Bio-energy Hemophotography
6. Bio-energy – Kirlian Photography material by William A. Tiller
7. Bio-energy – Kirlian Photography material (legal sized folder on side of box)
8. Consciousness
9. Consciousness problem
10. Field experiments
11. Caldwell's field experiments
12. Doctor Shadid and bio-energy material
13. Material on bio-energy
14. Material on bio-energy folder #2
15. Material and notes for bio-energy research
16. Material on the use of magnetic fields to map the brain
17. Material on Bio-electronics
18. Material on Quantum Theory and its implications for Psychology
19. Nervous System material
20. Neurology
21. Newspaper articles on bio-energy
22. Notes on Sheldane and Marx
23. Potential Difference
24. Sheldrake synopsis
25. Shipman: The Basic Physical Process
26. Summaries of articles on Quantum Mechanics
27. Material on Quantum Radar Theory
28. Radar
29. Radar Material
30. Summary of Articles by Shipman, Adam, and Rein

Sub-series 3: Kirlian Photography

31. Chromatic Phylogenetic Scale
32. Control Studies
33. Dyadic, the Interaction of fields
34. Effects of different kinds of film on the quality and quantity of Streamers
35. Human individual differences
36. Kirlian Photography – Apparatus and techniques
37. Kirlian Photography – Cocoons
38. Kirlian Photography – Earthworms
39. Kirlian Photography – Eggs
40. Kirlian Photography – Fish
41. Kirlian Photography – Grasshoppers
42. Kirlian Photography – Human

43. Kirlian Photography – Inorganic Fields
44. Kirlian Photography – Lizard
45. Kirlian Photography – Ontogenetic Scale
46. Kirlian Photography – Plant Fields
47. Kirlian Photography – Snails
48. Kirlian Photography – Turtle
49. Material on Kirlian Photography
50. Notes on Lenenson's Causes and Presentation of Cancer
51. Notes on Nordenstrom's Biologically Closed Circuits: The Theory
52. Photographing of Fingers
53. Positive and Negative Fields
54. Problem of Reliability
55. Psychogenetic Theory of Cancer
56. Right and Left Cortical regions of the Human head
57. Some further research in Kirlian Photography
58. Some comments on the theory used in present research
59. Some right-hand left-hand pictures
60. Unified Megotoxic theory

Sub-series 4: Sudden Infant Death Syndrome

61. Conditioned Hyperventilation as a factor in animal, infant, and adult Apnea
62. Copy of Arno Gruen's Prior themes of rejection among parents of sudden infant death victims
63. Draft and Material for Conditional Hyperventilation (legal sized folder in side of box)
64. Material for Conditioned Hyperventilation
65. Material for Conditioned Hyperventilation Paper (legal sized folder in side of box)
66. Material on SIDS from L.P. Lipsitt

Box 3: [M3606]

Folder – Contents

Series 4: Research Sub-series Sudden Infant Death Syndrome [continued]

1. Newspaper Articles
2. Newspaper Articles about Sudden Infant Death Syndrome
3. Organizations and Resources for Information about Sudden Infant Death Syndrome
4. Sudden Infant Death Syndrome Material
5. Sudden Infant Death Syndrome Material folder #2
6. Sudden Infant Death Syndrome Material folder #3
7. SIDS material (reprints) by James McKenna with notes by Caldwell

8. SIDS speech and other material
9. Toward and an Experimentally Testable Theory of Alzheimer's Disease

Sub-series 5: Miscellaneous

10. Copied for Books
11. Stress Study – Wensel

Series 5: Writings

12. Apparent stationary form perception of neutral and affective stimuli in normals and schizophrenics
13. Book outline: Sudden Infant Death Syndrome
14. Chapter on Circadian Rhythmes
15. Copy of Toward Analysis of a Functional Deficit
16. Draft 1 of 5: Quantum Theory of Consciousness
17. Draft 2 of 5: Electro-magnetic and Quantum fields
18. Draft 3 of 5: Cytoskeleton Field
19. Draft 4 of 5: Experimental Studies Supporting Brain Fields
20. Draft 5 of 5: Studies
21. Draft of apparent Stationary Form Perception of Neural and Affective Stimuli in Normals and Schizophrenics
22. Draft of Bio-energy Photography – Introduction
23. Draft of Bio-energy Photography – Kirlian Photography
24. Draft of Bio-energy Photography – A Chromatic Phylogenetic Scale
25. Draft of Bio-energy Photography – Bio-energy Hemoto-photography
26. Draft of Bio-energy Photography – Some experimental variables
27. Draft of Bio-energy Photography – A Unified Theory of Magno-Toxic
28. Draft of Bio-energy Photography - Toward a Psycho-genetic Theory of Cancer
29. Draft of Book (folder 1 of 2)
30. Draft of Book (folder 2 of 2)
31. Draft of the Concept of Field and Differentiation in Physics and Biology
32. Draft of Conditioned Hyperventilation with corrections noted
33. Draft of Kirlian Photography book

Box 4: [M3607]

Folder- Contents

Series 5: Writings [continued]

1. Draft of Kirlian Photography book folder 2
2. Draft material not included in SIDS book
3. Draft of Paper on Bio-energy
4. Draft of Paper on Harold Burr's Propositions of Electro-dynamic Fields
5. Draft of Paper on Lee Steiner's work with self-healing methods
6. Draft of Paper about Leonard J. Ravitz's theories
7. Drafts Paraphrasing Barnette's materials on Einstein's theories
8. Drafts of Personal and Social Factors in Binocular Dominance

9. Draft of Sudden Infant Death Syndrome: Toward an Integrated Theory for Apnea Related Sudden Infant Death Syndrome
10. Draft of Sudden Infant Death Syndrome: Toward an Integrated Theory for Apnea Related Sudden Infant Death Syndrome with Focus upon "Near Miss" Cases
11. Draft of *Sudden Infant Death Syndrome*
12. Draft of Table of Contents
13. Draft of Chapter I: Sudden Infant Death Viewed in terms of Evolution and its Relationship to CHA Theory
14. Draft of Chapter II: A Clinical and Psychoanalytic Theory of SIDS
15. Draft of Chapter III: Physical and Psychological Separation of infant From the Mother or Significant Person
16. Draft of Chapter IV: The Role of Conditioning and Learning in Voluntary Breathing and its relation to CHA Theory and SIDS
17. Draft of Chapter V
18. Draft of Summary
19. Draft of Epilogue
20. Draft of References
21. Draft of Appendix A: Some SIDS "Near Miss: Cases
22. Draft of Appendix B: Sheep Case Histories Showing Data on Apnea
23. Draft of the Telonomic Theory of Perception
24. Draft of Toward the Analysis of a Functional Deficit with notes and Galley

25. Early Copy of *Sudden Infant Death Syndrome* with notes
26. Early Copy of *Sudden Infant Death Syndrome* with notes folder #2
27. Early Draft of SIDS Book: Asleep-Awake Continuous Apnea
28. Early Draft of SIDS Book: Classical Conditioning and the Development of Voluntary Breathing
29. Early Draft of SIDS Book: Doctor Arno Gruen's Treatment of REM
30. Early Draft of SIDS Book: Evolutionary Hypothesis

31. Early Draft of SIDS Book: Final Copy and Working Copy
32. Early Draft of SIDS Book: Sudden Change Hypothesis
33. Early Draft of SIDS Book: Hypothesis number two - Conditioned Amniotic Breathing
34. Early Draft of SIDS Book: Infant Separates Both Physically and Psychologically
35. Early Draft of SIDS Book: Lewis Lipsitt – Critical Conditions in Infancy, A Psychological Perspective
36. Early Draft of SIDS Book: Failure to Arouse
37. Early Draft of SIDS Book: Notes and Newspaper Article

Box 5: [M3608]

Folder – Contents

Series 5: Writings

1. The Effects of Personality Variables on Distortion Thresholds in the Ames Room
2. The Electromagnetic Environment of Organisms
3. An Experiment in Thoughtography or a lesson in Perceptual Psychology
4. Galley Copy of the Influence of Stimulus, Set, and Subject Variables on Binocular Dominance in Normal and Schizophrenic Subjects.
5. Galley of Perceptual Distortion as a Function of Stimulus Objects, Sex, Naivete' and trials using a portable model of the Ames Room
6. Galley Proofs of Conditioned Hyperventilation Article
7. Galvanotaxic Behavior and Reinforcement of Fish Brachy Danio Rerio
8. Interaction between Living Fields
9. The Living System as a Field and its Relation to Circadian Rythme
10. Magnetism and Neural Behavior
11. Manuscript: A Thought Experiment
12. Master Draft – *Sudden Infant Death Syndrome*
13. Material and Drafts of Personal and Social Factors in Binocular Dominance
14. Old Writing on Bio-magnetic Psychology
15. Original Draft and Photocopy of Article or Chapter on Leonard Rantz's and Harold Burr's work on Bio-energy
16. Outline of SIDS Book
17. A Neuro-magnetic Field Model
18. Notes on Lewin's Material about Cytoskeleton
19. Notes and Drafts on Bio-energy Fields
20. Notes on McLean's Article and Photocopy of Caldwell's *The Telonomic Theory of Perception*
21. Projected Magnetic Fields in Living Systems

22. Revision Notes for Conditioned Hyperventilation
23. SIDS Material – Sheep Case Histories Showing Data
24. Sleep Apnea: A Non Medical Presentation
25. Some Conceptual Integration of Russian, Chinese, North Korean and American Field Theory
26. Summaries and Articles on Bio-energy
27. Summary and Conclusions (Draft for a book or article on Bio-energy)
28. Writings on Bio-energy
29. Bibliography of Caldwell's work
30. Updated Bibliography of Caldwell's Published Material

Sub-series 1: Reprints

31. Reprints Folder #1

“Adaptive Conditioning: A Unified Theory Proposed for Conditioning”
1951

“The Application of Light Avoidance in a Perceptual Differentiation Problem in the Pekin Duck 1956

“Biomagnetic Phenomena: Some Implications for the Behavioral and Neurophysiological Sciences” 1971

“The Body-Image Identification Test: A Quantitative Projective Technique to Study an Aspect of Body Image” 1966

32. Reprints Folder #2

“Classical Conditioning I: Its Utilization in Producing Abnormal Breathing in Sheep” 1966

“Classical Conditioning II: Changes in Conditioned Motor Responses over Long Periods of Training” 1966

“The Children's Somatic Apperception Test, A Technique for Quantifying Body Image” 1963

“Conditioned Hyperventilation as a Factor in Animal, Infant, and Adult Apnea: A Theoretical Analysis of Experimental and Clinical Data” 1966

“The Delayed Field Drive in the Raccoon and Cat” 1961

“Discrimination Learning Theory Applied to Psychotherapy and Repetitive Behavior” 1959

33. Reprints Folder #3

“Effects of Magnetic Fields on Neural Behaviour”

“The Effects of Personality Variables on Distortion Thresholds in the Ames Room” 1970

“An Exploratory Study of the Effects of an A.C. Magnetic Field Upon the Behavior of the Italian Honeybee (*Apis Mellifica*)” 1968

“An Exploratory Study of the Environmental Preferences of Electric Fish (*Sternachus Albifrons*)” 1969
“Field Theory: II. Some Mathematical Applications to Comparative Psychology” 1954
“Galvanotaxic Behavior and Reinforcement of Fish *Brachydanio Rerio*” 1971
“The Influence of Stimulus, Set, and Subject Variables on Binocular Dominance in Normal and Schizophrenic Subjects” 1968
“An Investigation of Geotropism Utilized as Motivation in the Maze Performance of Golden Hamsters” 1956
“An Investigation of Light Avoidance as Motivation in Perceptual Differentiation Problem in the Cat” 1956
“An Investigation of the Role of Exteroceptive Motivation in the Behavior of the Earth-worm” 1955
“Magnetic Field Effects on the Compass Mechanism and Activity Level of the Snail *Helisoma Duryi Endiscus*” 1967
“The Mathematical Formulation of a Unified Field Theory” 1953

34. Reprints Folder #4

“An Operant Electromagnetic Chamber” 1969
“Perception of Affective Stimuli by Normal and Schizophrenic Subjects in a Depth Perception Task” 1962
“Perception of the Vertical as a Function of Affective Stimuli and Extraneous Stimulation in Schizophrenic and Normal Subjects” 1967
“Perceptual Distortion as a Function of Stimulus Objects, Sex, Naivete, and Trials Using a Portable Model of the Ames Distorted Room” 1971
“Perceptual Learning: Differentiation and Enrichment of Past Experience” 1959
“The Performance of Albino Mice in the Maze Situation with the Utilization of Light as Motivation and its Relative Absence as Reinforcement” 1953
“The Performance of Goldfish in the Maze Situation with the Utilization of Temperature as Motivation and its Reduction as Reinforcement” 1955
“The Performance of Hamsters in the Maze Situation Utilizing Gravitation and the Vestibular Sense as Motivation” 1955
“The (ASF) Phenomena: An Exploratory Investigation of Apparent Stationary Form Perception of Neutral and Affective Stimuli” 1968
“A Psycholinguistic Investigation of Verbal Psychological Tests” 1961

35. Reprints Folder #5

“A Radial Bimedial Discrimination Chamber” 1968
“Relationship Between Color and Affect in Paranoid Schizophrenics” 1959

“The Role of Gaseous Formaldehyde as Reinforcement in Maze Learning in Albino Mice” 1952
“The Role of Temperature Change as Reinforcement” 1951
“The Somatic Apperception Test” 1963
“The Somato-Chroma Apperception Test: A Quantitative Projective Technique” 1966
“Some Aspects of the Behavior of the Ant in the Maze under Various Conditions of Stimulation” 1959
“Some Historical Notes and a Brief Summary of the Experimental Method and Findings of Fedinando Cazzamalli” 1959
“Some Positive Results on a Modified Tolman and Honzik Insight Maze” 1954
“The Theory of Adaptive Differentiation” 1951
“Toward the Analysis of a Functional Deficit” 1968
“The Utilization of Light as Exteroceptive Motivation in the Comet Goldfish (*Carassius Auratius*)” 1956
“The Utilization of Light Avoidance as Motivation in the Investigation of Perceptual Differentiation in the Pigeon” 1955
“The Utilization of Temperature Change as Motivation and Reinforcement in the Maze Performance of Albino Mice” 1956

Series 6: Subject Files

36. Genealogy Material
37. Material on Shady Side, Maryland
38. Travel Mementos and material

Box 6 [M3609]

Folder – Contents

Series 6: Subject Files [continued]

1. Artwork
2. Animal Trial Record of “Harvey”
3. Illustration for Book
4. Poster presentation of Kirlian Photography
5. Animal Studies – Ants
6. Animal Studies – Ducks
7. Animal Studies – Earthworms
8. Animal Studies – Goldfish
9. Animal Studies – Kittens
10. Animal Trials: Raccoon and Cat