Professor. Manuscripts and personal papers relating to the life of John W. Renner, Professor of Science Education at the University of Oklahoma. The collection includes articles and notes (1949–1960); and manuscripts, publications and textbooks (1951–1979) by Renner and others on physics and science education.

Box 1 contains articles by Renner, notes and a textbook on "heat" by L.D. Weld.

Box 2 contains physics topics including those written by Renner and Montgomery and Renner and Packard (consultant). It also includes Teaching Science in the Secondary School by Renner and Stafford, and miscellaneous chapters.

Box 3 contains a physics textbook written by Renner, Stafford, and Kellogg.

Box 4 contains Investigations in Physical Science by Renner, Stafford, and Kellogg.

Box 5 contains Guiding Learning in the Secondary School by Renner, Bibens, and Shepherd.

Boxes 5-7 include works by Renner, Stafford and Coulter -- Teacher's Guide: Books (Grades) 1-6 and Books (Grades) 1-6 and Record Books: Grades (Books) 1-6

Box 8 contains Scope and Sequence: Grades 1-6, and class notes in spiral notebooks.

Box 9 contains correspondence articles by Renner and others, Learning Science Program -- Kindergarten Program, Renner's vita, and miscellaneous.

**Box 1 Folder:**
1. Film Strip Scripts for S.V.E., 1956-1957
2. Outlines in Development, 1960
3. Physics 22 -- Electricity Exam (includes keys, ditto masters, corrected copies, and answer sheets), 1959
4. World Book -- Completed (includes articles on various topics), 1955-1956
6. Correspondence with Creighton University and other universities, and misc., 1958-1959

7. Tides

8. Speedometer, ca. 1955

9. Curriculum Laboratory -- 2nd semester, 1949-1954

10. Demonstration Hints and Cartoons, ca. 1954


12. "John Dewey in the Science Classroom" -- John W. Renner -- Dr. J. E. McAdam, 1953

13. Statistical Treatment of the Data


15. Davis Test of Functional Competence in Mathematics, 1953


   *A Textbook of Heat* by L. D. Weld:

17. Weld -- Chapter 1, 1958

18. Weld -- Chapter 2, ca. 1951


20. Weld -- Chapter 4, 1958

21. Weld -- Chapter 5, ca. mid-1950's

22. Weld -- Chapter 6, ca. mid-1950's

23. Weld -- Chapter 7, ca. mid-1950's

24. Weld -- Chapter 8, ca. 1952

25. Weld -- Chapter 9, ca. 1952
26. Weld -- Chapter 10, ca. mid-1950's
27. Filmstrips -- Correspondence and Scripts -- McGraw-Hill, 1961-1962
29. Four Seasons #2, 1969-1972

Box 2
Folder:
1. Vectors, 1962
3. Torque, 1962
6. Force and Motion, 1962
7. "Electrostatics" by Renner and Montgomery, ca. 1960's(?)
8. "Magnetism" by Renner and Montgomery, ca. 1960's(?)
9. "Is Sound a Wave?" by Renner and Packard, ca. 1960's(?)
10. "What is a Wave" by Renner and Packard, ca. 1960's(?)
11. "The Design of Optical Instruments" by Renner and Packard, ca. 1960's(?)
12. "Momentum and Impulse" by Renner and Packard (Consultant), ca. 1960's(?)
13. "Friction and Its Effects" by Renner and Packard (consultant), ca. 1960's(?)
15. "Measuring Heat and Temperature" by Renner and Packard (consultant), ca. 1960's(?)
17. "The Effects of Temperature Change" by Renner and Packard (consultant), ca. 1960's(?)
18. "Orbiting the Earth" by Renner and Packard (consultant), ca. 1960's(?)
19. "Taking and Interpreting Measurements" by Renner
20. Chapter I -- Quantitative Techniques for Handling Data

*Teaching Science in the Secondary School*  
(TSITSS) by Renner and Stafford:

22. Chapter 1 (TSITSS) -- The Dimensions of Science, 1967-1971
23. Chapter 2 (TSITSS) -- Science and Educational Purpose, 1970
24. Chapter 3 (TSITSS) -- The Adolescent, ca. 1970
25. Chapter 4 (TSITSS) -- The Elements of Inquiry, 1970
26. Chapter 5 (TSITSS) -- Teacher and Learner Functions in the Science Classroom, ca. 1970
27. Chapter 6 (TSITSS) -- The Science Curriculum, 1970
28. Chapter 8 (TSITSS) -- Evaluation in Science Education
29. Chapter 9 (TSITSS) -- The Future, 1971
30. Appendices (TSITSS), 1971

Misc. Chapters

33. Chapter 17: The Nucleus of the Atom, ca. 1962
34. Chapter 11 (18?)
35. Chapter 19: Nuclear Fission and Fusion, 1963
36. Chapter 20: The Instruments of the Atom, 1963

**Box 3**
**Folder:**
5. Renner Physics -- Chapter 1, 1966-1971
8. Renner Physics -- Chapter 3: Motion and Vectors, 1966-1970
15. Renner Physics -- Investigations

**Box 4**
**Folder:**

*Investigations in Physical Science*
by Renner, Stafford, and Kellogg
(Inquiry through Physical Science):

3. Chapter 1 -- Science: An Introduction, 1975
5. Chapter 3 -- A Changing Model" The Universe, ca. 1975
6. Chapter 3/4 -- Some Ideas on Motion Before Newton, 1974
7. Chapter 4/5 -- Gravitation, 1975
8. Chapter 5/6 -- One Type of Energy, 1975
9. Chapter 7 -- Physical Atom, 1975
10. Chapter 7/8 -- Radiation in the Atom and the Universe, ca. 1975
11. Chapter 8/9 -- Properties and Classification of Matter, ca. 1975
12. Chapter 9/10 -- Some Foundation of Stones in the Structure of Chemistry, ca. 1975
13. Chapter 10/11 -- The Atom and Chemical Phenomena, ca. 1975
14. Chapter 12 -- Weather and Weathering, ca. 1975
15. Chapter 13 -- Rocks and the Changing Earth, ca. 1975
16. Chapter 14 -- Some Properties of Electricity and Magnetism, ca. 1975
17. Some Properties of Electricity and Magnetism, ca. 1973
18. Chapter 15 -- Some Properties of Light and Lenses, ca. 1975
19. Some of the Properties of Light and Lenses (includes carbons), ca. 1975
20. Chapter 16 -- Some Properties of Sound, 1975
21. Chapter 17 -- Science and Society, ca. 1975
22. Investigations in Physical Science
   --Material and outline (Review)
   --includes Marketing Questionnaire, 1974-1975


**Box 5**
**Folder:**

*Guiding Learning in the Secondary School*
by John Renner, Robert Bibens, and Gene Shepherd:

1. Chapter 1: The Evolution of Educational Purpose, ca. 1970
2. Chapter 2: The Planning of Educational Purpose, 1970
3. Chapter 3: The Role of the Teacher, 1970
4. Chapter 4: The Impact of the Learner's characteristics on Educational Purpose, 1970
5. Chapter 5: Using Content …, ca. 1970

**Book 6**
**Folder:**
Works written by Renner, Stafford, and Coulter


Works written by Renner, Stafford, and Coulter

1. Book 5 (Grade 5) -- Action (3), 1975
2. Book 5 (Grade 5) -- Action (4), ca. 1975
4. Science Exploration, Inventions, and Discoveries -- Book 6 (Grade 6), ca. 1976
5. The Learning Science Program -- Record Book for Things -- Book 1 (Grade 1), ca. 1977
6. Student Record Book for Change -- Book 2 (Grade 2), ca. 1977
7. Student Record Book for Systems -- Book 3 (Grade 3), ca. 1977
8. Student Record Book for Variation -- Book 4 (Grade 4), ca. 1977
9. Student Record Book for Variation -- Book 4 (Grade 4), ca. 1977
10. Student-Record Book for Variation - Book 4 (Grade 4), ca. 1977
11. Student Record Book for Action -- Book 5 (Grade 5), ca. 1977
12. Student Record Book for Models -- Book 6 (Grade 6), 1977
13. Evaluation Plans for Tests -- Grade (Book) 1 - Grade (Book) 6, ca. 1977
14. A Design for Reading Instruction in the Area of Science: Grades One through Six -- by Renner, Henderson, and Coulter, 1975
Box 8
Folder:
2. "Research, Teaching, and Learning with the Piagetian Model", 1974
3. Scope and Sequence -- Grade 1, ca. 1979
4. Scope and Sequence -- Grade 2, ca. 1979
5. Scope and Sequence -- Grade 3, ca. 1979
6. Scope and Sequence -- Grade 4, ca. 1979
7. Scope and Sequence -- Grade 5, ca. 1979
8. Scope and Sequence -- Grade 6, ca. 1979


Box 9
Folder:
1. College General Physical Science Course -- Investigation in Physical Science, 1968-1973
4. Chemistry and Biology Research, 1986
5. "Science for the Middle School" by Renner, Atkinson, and Cate, ca. 1988
7. Correspondence, Clippings, and Misc., 1976-1984
8. Correspondence and Clippings, 1985-1989
10. Correspondence with Listener Corporation (includes Transcripts and Outlines of Tape Series), 1968-1975
11. Rough Draft of M.A. Thesis
12. Correspondence, 1985-1986
13. Correspondence, 1986
15. Correspondence, 1986-1988
16. "Teaching Science as Science" by Renner and Marek, 1990
17. The Learning Science Program -- Kindergarten, ca. 1978
18. The Learning Science Program -- Kindergarten Activities, ca. 1978
19. Furry Kitten Stories -- The Learning Science Program -- Kindergarten
21. Correspondence dealing with the Kindergarten Program, 1975-1977
22. Artwork for Books