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## Guide to the Papers of Thomas Lauritsen, 1922-1974

### Collection number: Consult repository

Archives

California Institute of Technology  
Pasadena, California

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Date Completed:

May 1981. Updated in December 1999 by Charlotte E. Erwin.

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### Descriptive Summary

**Title:** Thomas Lauritsen papers,

**Date (inclusive):** 1922-1974

**Collection number:** Consult repository

**Creator:** Lauritsen, Thomas, 1915-1973

**Extent:** 9.5 linear feet.

**Repository:** California Institute of Technology. Archives.

Pasadena, California 91125

**Abstract:** Professor of nuclear physics, California Institute of Technology, 1941-1973. Includes correspondence, proposals, monographs, research data, lecture notes, conference, travel and course materials, materials relating to work with government and professional organizations, e.g., the Atomic Energy Commission, National Academy of Sciences, and the American Physical Society. Bulk of collection from after World War II. Principal correspondent is Fay Ajzenberg-Selove; others include his father, C. C. Lauritsen, Luis Alvarez, Hans Bethe, Niels and Aage Bohr, and William A. Fowler.

**Language:** English

#### Access

The collection is open for research. Researchers must apply in writing for access.

#### Publication Rights

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#### **Preferred Citation**

[Identification of item, box and file number], Papers of Thomas Lauritsen. Archives, California Institute of Technology.

#### **Acquisition Information**

A portion of Lauritsen's papers were deposited in the Archives in 1974, a gift of Mrs. Margaret Lauritsen. In 1975, additional boxes of Lauritsen's personal correspondence were turned over to the Archives by Dr. Thomas Tombrello. Two boxes of letters of recommendation were donated by William A. Fowler in 1974 and sealed for twenty years (opened 1994). Further, in 1987 the Archives received Tommy Lauritsen's copy of the printed matter relating to the Oppenheimer cases.

#### **Processing History**

This collection was processed by Susan Trauger in May 1981. Updated by Charlotte E. Erwin in December 1999.

#### **Biography**

Thomas Lauritsen--or Tommy, as he was always called--was the son of Charles Christian Lauritsen, one of Caltech's most prominent nuclear physicists. Tommy Lauritsen's forty-one year association with Caltech began in 1932 when he entered the Institute to pursue his undergraduate degree. Following the award of his PhD in 1939, he left Caltech for postdoctoral study at what is now the Niels Bohr Institute in Copenhagen. He returned to Caltech in 1941 and was appointed to the physics faculty in 1946. He served Caltech continuously until his untimely death from cancer at the age of fifty-seven in October, 1973.

Aside from the war period, during which he was closely involved in the Caltech rocket project for the U.S. Navy, Lauritsen's research activity was directed principally to experimental investigations of the structure of atomic nuclei, with particular emphasis on the nuclides in the first row of the periodic table, the light nuclei. Beginning in 1948, in collaboration with Fay Ajzenberg-Selove, Lauritsen authored fourteen review papers which summarized current knowledge about the light nuclei. He was much admired as a teacher of physics at Caltech and co-authored with Richtmyer and Kennard the textbook *Introduction to Modern Physics* (5th ed., 1955).

In the last years of his career Lauritsen served the whole nuclear physics community. He played a major role in writing the report of the Wenener Panel of the Physics Survey Committee of the National Academy of Sciences. The Wenener report provided the first reliable and detailed information on the level of funding, facilities, and trained workers in nuclear physics in the United States. During the last two years of his life he was elected and served as Chairman of the Division of Nuclear Physics of the American Physical Society, a fitting honor to one who had worked to found the division.

#### **Scope and Content of Collection**

The papers, which were donated to the archives by the Lauritsen family in 1974, span the years 1922-1974, with the bulk of the material concentrated in the period 1952-1973. The papers consist chiefly of correspondence, course and lecture notes, conferences, and reprints. There is correspondence with such prominent nuclear physicists as Thomas Bonner, D. Allan Bromley, Serge Gorodetsky, E. H. Kennard, Walter Meyerhof, Ernest Titterton, and Denys Wilkinson. The most extensive correspondence is with his collaborator of twenty-one years, Fay Ajzenberg-Selove; as well as with those researchers associated with the Kellogg Laboratory: his father, C. C. Lauritsen, William A. Fowler, Charles Barnes, Robert Macklin, Jerry Marion, and William Hornyak; and with those at the Niels Bohr Institute with whom he collaborated over the years: Niels and Aage Bohr, Jørgen Bøggild, K. J. Brostrøm, Torben Huus, and Aage Winther.

#### **Indexing Terms**

The following terms have been used to index the description of this collection.

#### **People**

Ajzenberg-Selove, Fay, 1926-

Alvarez, Luis W., 1911-1988

Bethe, Hans Albrecht, 1906-

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Bohr, Aage, 1922-  
Bohr, Niels Henrik David, 1885-1962  
Fowler, William A., 1911-1995  
Lauritsen, Charles Christian, 1892-1968

**Corporations**

American Physical Society  
California Institute of Technology  
National Science Foundation (U.S.)  
U.S. Atomic Energy Commission

**Subjects**

Nuclear physics--Congresses  
Nuclear physics--Research  
Nuclear physics--Study and teaching  
World War, 1939-1945--War work. United States.

**Genres and Forms of Materials**

Clippings  
Monographs  
Lecture notes  
Proposals  
Reprints (publications)

**Occupations**

Physicists

**Related Collections**

Related collections in the Caltech Archives include: the Papers of C. C. Lauritsen, the Papers of William A. Fowler. Researchers should also consult the oral history and supplemental oral history of William A. Fowler, conducted by the Caltech Archives; the oral history of Margaret Lauritsen Leighton; and copies of two interviews of Thomas Lauritsen conducted by the American Institute of Physics (B. Richman and C. Weiner, 1967), and by the China Lake Naval Weapons Center (A. B. Christman, 1969).

## Series I: Correspondence

## Part A: Personal correspondence

Box 1	<b>Ajzenberg-Selove, Fay</b>
Box 1, Folder 1	<b>1950-1957</b>
Box 1, Folder 2	<b>1958</b>
Box 1, Folder 3	<b>1959</b>
Box 1, Folder 4	<b>1960</b>
Box 1, Folder 5	<b>1961</b>
Box 1, Folder 6	<b>1962</b>
Box 1, Folder 7	<b>1963</b>
Box 1, Folder 8	<b>1964</b>
Box 1, Folder 9	<b>1965</b>
Box 1, Folder 10	<b>1966</b>
Box 1, Folder 11	<b>1967-1968</b>
Box 1, Folder 12	<b>1969</b>
Box 1, Folder 13	<b>1970</b>
Box 1, Folder 14	<b>1971</b>
Box 1, Folder 15	<b>1972-1974</b>
Box 1, Folder 16	<b>Alburger, David E. 1949, 1964, 1973</b>
Box 1, Folder 17	<b>Allison, Samuel K. 1948-1949, 1951-1952</b>
Box 1, Folder 18	<b>Alvarez, Luis W. 1946, 1948, 1952</b>
Box 2, Folder 1	<b>A misc.</b>
Box 2, Folder 2	<b>Bacher, Robert F. 1952-1953, 1963</b>
Box 2, Folder 3	<b>Barker, F. C. 1965</b>
Box 2, Folder 4	<b>Barnes, Charles 1956, 1958, 1962-1963, 1967, 1970, n.d.</b>
Box 2, Folder 5	<b>Barschall, H. H. 1950-1951, 1956-1957, 1959, 1967, 1969-1971</b>
Box 2, Folder 6	<b>Bethe, Hans A. 1947, 1949, 1967, undated</b>
Box 2, Folder 7	<b>Blatt, John 1949-1953</b>
Box 2, Folder 8	<b>Bøggild, Jørgen K. 1946-1947, 1950, 1952, 1956, 1964</b>
Box 2, Folder 9	<b>Bohr, Aage 1947-1954, 1961-1966, 1970-1973</b>
Box 2, Folder 10	<b>Bohr, Hans 1948; Bohr, Margrethe *1963, 1971-1972</b>
Box 2, Folder 11	<b>Bohr, Niels 1945-1947, 1950-1951, 1953, 1957</b>
Box 2, Folder 12	<b>Bonner, Thomas W. 1947-1950, 1952, 1954-1959, 1961, 1962</b>
Box 2, Folder 13	<b>Bromley, D. A. 1963, 1966, 1969-1970, 1972</b>
Box 2, Folder 14	<b>Brostrøm, K. J. (Laps) 1946-1950, 1961, 1965</b>
Box 2, Folder 15	<b>Buchta, J. W. 1945-1947, 1950-1954, 1966</b>
Box 2, Folder 16	<b>Buechner, W. W. 1948-1952</b>
Box 2, Folder 17	<b>Burcham, W. E. 1950-1951, 1954, 1958, 1965</b>
Box 2, Folder 18	<b>Ba-Be misc.</b>
Box 2, Folder 19	<b>Bh-Bo misc.</b>
Box 2, Folder 20	<b>Br-Bu misc.</b>
Box 3, Folder 1	<b>Cabot, Nick 1965-1970, 1972</b>
Box 3, Folder 2	<b>California Museum of Science and Industry 1964-1973</b>
Box 3, Folder 3	<b>Cocke, Charles (Lew) 1963-1965, 1968-1969</b>
Box 3, Folder 4	<b>Cooper, John N. 1967-1969</b>
Box 3, Folder 5	<b>Ca-Ch misc.</b>
Box 3, Folder 6	<b>Ci-CI misc.</b>
Box 3, Folder 7	<b>Co-Cu misc.</b>
Box 3, Folder 8	<b>Day, Robert B. 1952, 1954, 1957, 1961, 1963</b>
Box 3, Folder 9	<b>Devons, Samuel 1951, 1957-1958, 1967</b>
Box 3, Folder 10	<b>D misc.</b>
Box 3, Folder 11	<b>E misc.</b>
Box 3, Folder 12	<b>Fowler, William A.</b>

Series I: Correspondence

Part A: Personal correspondence

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Box 3, Folder 12	1949, 1953-1955, 1957-1958, 1961-1963
Box 3, Folder 13	1964-1969, 1971-1972
Box 3, Folder 14	French, Anthony P. 1950-1953
Box 3, Folder 15	Frisch, Otto 1948, 1950-1951
Box 3, Folder 16	F misc.
Box 3, Folder 17	Gamow, George 1946-1947, 1949, 1956
Box 3, Folder 18	Goldhaber, Maurice 1947-1950, 1953, 1958, 1969-1970
Box 3, Folder 19	Goldring, Gvirol 1953, 1961, 1963-1965, 1967-1968
Box 3, Folder 20	Gorodetzky, Serge 1951-1952, 1957, 1964, 1966-1967, 1969, 1972
Box 4, Folder 1	Griffiths, George 1963-1964
Box 4, Folder 2	Ga-Gi misc.
Box 4, Folder 3	Go-Gu misc.
Box 4, Folder 4	Hornyak, William F. 1949-1953, 1956, 1959, 1961
Box 4, Folder 5	Houston, W. V. 1947-1948, 1972
Box 4, Folder 6	Huber, Paul 1951, 1957, 1963-1964, 1966, 1971
Box 4, Folder 7	Huus, Torben 1950-1953, 1959, 1965
Box 4, Folder 8	Ha misc.
Box 4, Folder 9	He-Hu misc.
Box 4, Folder 10	Inglis, David R. 1947-1948, 1950, 1952, 1954, 1956
Box 4, Folder 11	I misc.
Box 4, Folder 12	J misc.
Box 4, Folder 13-17	Kennard, E. H.
Box 4, Folder 13	1953
Box 4, Folder 14	1954 Jan-Mar
Box 4, Folder 15	1954 Apr-Jun
Box 4, Folder 16	1954 Jul-Dec
Box 4, Folder 17	1955-1962
Box 4, Folder 18	K misc.
Box 5, Folder 1	Lauritsen, Charles C. (father) 1947, 1952-1953, 1963, 1964
Box 5, Folder 2	L misc.
Box 5, Folder 3	Mackin, Robert J. 1952-1958
Box 5, Folder 4	Mandeville, C. E. 1949-1952
Box 5, Folder 5	Marion, Jerry B. 1955-1958, 1962, 1965, 1968
Box 5, Folder 6	Martin, Hugh J. 1956
Box 5, Folder 7	Mattauch, J. 1951-1953, 1963, 1964
Box 5, Folder 8	McMillan, Edwin M. 1945, 1946, 1951
Box 5, Folder 9	Meyerhof, Walter 1952, 1955, 1958, 1960-1961, 1963, 1965-1967, 1970, 1972
Box 5, Folder 10	Ma misc.
Box 5, Folder 11	Mc-Mi misc.
Box 5, Folder 12	Mo-My misc.
Box 5, Folder 13	N misc.
Box 5, Folder 14	Oppenheimer, J. Robert and Kitty 1954, 1972
Box 5, Folder 15	O misc.
Box 5, Folder 16	Pa-Pe misc.
Box 5, Folder 17	Ph-Pr misc.
Box 5, Folder 18	Q misc
Box 6, Folder 1	Rasmussen, V. K. 1950-1955, 1957-1958
Box 6, Folder 2	Richards, H. T. 1949-1950, 1952-1954
Box 6, Folder 3	R misc.
Box 6, Folder 4	Sellschop, J. P. F. 1962, 1964-1966, 1968, 1971-1973
Box 6, Folder 5	Stephens, W. E. 1945-1950, 1952-1953
Box 6, Folder 6	Sa-Si misc.
Box 6, Folder 7	Sl-Sp misc.
Box 6, Folder 8	St-Sy misc.
Box 6, Folder 9	Thomas, Robert G. 1950, 1952-1953
Box 6, Folder 10	Titterton, Ernest 1950-1954, 1957-1960, 1964-1965, 1968-1970
Box 6, Folder 11	T misc.
Box 6, Folder 12	U-V misc.

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**Series I: Correspondence**

**Part A: Personal correspondence**

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Box 6, Folder 13	<b>Watson, Earnest C. 1960, 1967-1969</b>
Box 6, Folder 14	<b>Wilkinson, Denys H. 1950-1954, 1956, 1959, 1963, 1973</b>
Box 6, Folder 15	<b>Winther, Aage 1954, 1961, 1966-1967, 1969-1973</b>
Box 6, Folder 16	<b>Wa misc.</b>
Box 6, Folder 17	<b>We-Wh misc.</b>
Box 7, Folder 1	<b>Wi-Wy misc.</b>
Box 7, Folder 2	<b>Y-Z misc.</b>
Box 7, Folder 3	<b>Unidentified correspondence 1950-1971</b>

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**Part B: Business and equipment correspondence**

Box 7, Folder 4	<b>High Voltage Engineering Corp. 1951-1952, 1957-1958, 1960, 1962, 1971</b>
Box 7, Folder 5	<b>Radiation Counter Laboratories 1946-1947, 1949-1950</b>
Box 7, Folder 6	<b>A-H misc.</b>
Box 7, Folder 7	<b>I-W misc.</b>

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**Part C: Institute correspondence**

Box 7, Folder 8-10	<b>Caltech</b>
Box 7, Folder 8	<b>A-Z misc.</b>
Box 7, Folder 9-10	<b>Memoranda</b>
Box 7, Folder 9	<b>1945-1967</b>
Box 7, Folder 10	
Box 7, Folder 11-16	<b>Niels Bohr Institute</b>
Box 7, Folder 11	<b>1970-1971 Jun</b>
Box 7, Folder 12	<b>1971 Jul-Dec</b>
Box 7, Folder 13	<b>1972 Jan-Jul</b>
Box 7, Folder 14	<b>1972 Aug-Dec</b>
Box 7, Folder 15	<b>1973</b>
Box 7, Folder 16	<b>Funding 1970, 1973</b>

Series II: Professional and Governmental Organizations and Meetings

Box 7, Folder 17 **American Academy of Arts and Sciences 1969, 1972**  
Box 8, Folder 1-2 **American Institute of Physics**  
Box 8, Folder 1 **1946, 1948-1950, 1953, 1962-1966**  
Box 8, Folder 2 **1967-1971**  
Box 8, Folder 2 **American Physical Society**  
Box 8, Folder 2 **Committees**  
Box 8, Folder 2 **Fellowship**  
Box 8, Folder 3 **1967-1968 Aug**  
Box 8, Folder 4 **1968 Sep - 1969**  
Box 8, Folder 5 **Miscellaneous 1954-1970**  
Box 8, Folder 5 **Division of Nuclear Physics**  
Box 8, Folder 6 **1964**  
Box 8, Folder 7 **1965**  
Box 8, Folder 8 **1966 Jan-Sep**  
Box 8, Folder 9 **1966 Oct - 1967**  
Box 8, Folder 10 **1968-1970**  
Box 8, Folder 11 **1971**  
Box 8, Folder 12 **1972 Jan-Jul**  
Box 8, Folder 13 **1972 Aug-Dec**  
Box 8, Folder 14 **1973**  
Box 9, Folder 1 **Bonner Prize**  
Box 9, Folder 1 **1967-1968 Jul**  
Box 9, Folder 2 **1968 Aug - 1972**  
Box 9, Folder 3 **Invited papers 1969-1972**  
Box 9, Folder 4 **Nominating Committee 1970**  
Box 9, Folder 5 ***The Physical Review* 1956, 1971**  
Box 9, Folder 6 **Dr. Katharine Way 1972**  
Box 9, Folder 7 **Miscellaneous 1949, 1968-1973**  
Box 9, Folder 7 **Associated Universities, Inc.**  
Box 9, Folder 7 **Physics Visiting Committee**  
Box 9, Folder 8 **1966-1967**  
Box 9, Folder 9 **1968-1969**  
Box 9, Folder 10 **1970**  
Box 9, Folder 11 **Canadian National Research Council 1946, 1949-1950, 1953**  
Box 9, Folder 12 **Institute for Defense Analyses, Advanced Research Division 1958**  
Box 9, Folder 12 **International Union of Pure and Applied Physics (IUPAP)**  
Box 9, Folder 13 **1963-1967**  
Box 9, Folder 14 **1968**  
Box 9, Folder 15 **1969**  
Box 9, Folder 16 **1970-1971**  
Box 9, Folder 17 **1972-1973**  
Box 10, Folder 1 **National Academy of Sciences (NAS)**  
Box 10, Folder 1 **Bombing policy of U.S. in Indochina 1973**  
Box 10, Folder 2 **General correspondence 1954-1955, 1971-1972**  
Box 10, Folder 3 **Nominations 1969-1971**  
Box 10, Folder 3 **Nuclear Physics Survey**  
Box 10, Folder 4 **Joint discussion forms 1969**  
Box 10, Folder 5 **Manpower and training panel 1969-1971**  
Box 10, Folder 5 **Nuclear physics panel**  
Box 10, Folder 6 **1969**  
Box 10, Folder 7 **1970 Jan-Feb**  
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Box 10, Folder 11 **1970 Sep-Dec, 1971, 1973**

Box 10, Folder 12        **Nuclear Science Committee 1970-1972**  
Box 10, Folder 13        **Other sections 1970-1973**  
Box 10, Folder 14        **Science policy 1972**  
Box 11, Folder 1         **Report Review Committee 1970**  
Box 11, Folder 2        **National Research Council 1948 Jul - 1953, 1955, 1958, 1962, 1966-1967, 1969-1971**  
Box 11, Folder 3        **National Science Foundation 1968-1971**  
Box 11, Folder 4        **Proposal reviews 1956-1957, 1959, 1960-1963, 1971-1972**  
Box 11, Folder 5        **Oak Ridge National Laboratory 1947-1952, 1954, 1956-1958, 1961, 1964, 1967-1971**  
Box 11, Folder 6        **U.S. Army Research Office 1952, 1965-1968**  
Box 11, Folder 7        **Atomic Energy Commission 1949-1951, 1953, 1958-1964, 1969, 1971-1972**

**Note**

*See also:* Section V, 13.3-13.4

Box 11, Folder 7        **Dept. of Health, Education, and Welfare: Fellowship Review Panel**  
Box 11, Folder 8        **Case: Richard E. Healey 1966**  
Box 11, Folder 9-10     **Case exhibits 1, 2**  
Box 11, Folder 11       **Dept. of State 1957-1958**  
Box 11, Folder 11       **Naval Ordnance Test Station, Inyokern**  
Box 11, Folder 12       **General historical correspondence 1951, 1971, 1973**  
Box 11, Folder 13       **Printed matter re artillery rockets, silver anniversary 1946, 1968**  
Box 11, Folder 14       **Interview with T. Lauritsen re Caltech wartime rocket work 1969**  
Box 11, Folder 15       **Office of Naval Research 1946-1971**  
Box 11, Folder 16       **Miscellaneous (A-Z)**

**Series III: Conferences**

Box 12, Folder 1 **American Association of Physics Teachers: Improvement of Physics Courses 1959-1960 [correspondence**  
Box 12, Folder 1 **Birmingham Conference on Nuclear Physics 1953 Jul 13-18**  
Box 12, Folder 2 **Correspondence**  
Box 12, Folder 3 **Printed matter**  
Box 12, Folder 3 **Copenhagen conferences**  
Box 12, Folder 4 **Problems of Quantum Physics 1951 Jul 6-10**  
Box 12, Folder 4 **Nuclear Physics**  
Box 12, Folder 5 **1953 notes and printed matter notes and printed matter**  
Box 12, Folder 6 **1961 May 23-27**  
Box 12, Folder 7 **Heidelberg Conference on Nuclear Physics and Cosmic Radiation 1951 Jul 1-4**  
Box 12, Folder 8 **Travel correspondence 1951**  
Box 12, Folder 9 **International Conference on Nuclear Physics 1966 Sep 12-17**  
Box 12, Folder 10 **Invitations declined 1956-1971**

**Series IV: Publication Correspondence and Referee Reports**

- Box 12, Folder 11 ***Physics Handbook*, American Institute of Physics 1953-1954, 1956**
- Box 12, Folder 12 **McGraw-Hill Book Co. 1946-1970**
- Box 12, Folder 13 ***Nuclear Physics Journal*, North Holland Publishing Co. 1963-1969, 1971, 1973**
- Box 12, Folder 14 ***The Physical Review and Physical Review Letters*, American Physical Society 1948-1959, 1965-1972**
- Box 12, Folder 15 ***The Review of Scientific Instruments*, American Institute of Physics 1947-1951**
- Box 12, Folder 16 ***Reviews of Modern Physics*, American Physical Society 1954, 1969, 1971**
- Box 12, Folder 17 **A-O misc.**
- Box 12, Folder 18 **P-Y misc.**
- Box 12, Folder 19 **Referee reports 1954-1955, 1962, 1967-1971**

**Series V: Correspondence and Documents Relating to Atomic Radiation**

Box 13, Folder 1     **Arms Control and Foreign Policy Seminars 1970-1971**  
Box 13, Folder 1     **Atomic Radiation**  
Box 13, Folder 2     **Anti-ballistic missiles (ABM) 1961**  
Box 13, Folder 2     **Atomic Energy Commission**  
Box 13, Folder 3     **1955-1956**  
Box 13, Folder 4     **1957**  
Box 13, Folder 5     **Federation of American Scientists Bulletin and Statements 1955-1957**  
Box 13, Folder 6     **General correspondence 1956**  
Box 13, Folder 7     **Hydrogen bomb (H-bomb) tests 1956**  
Box 13, Folder 8     **Joint Committee on Atomic Energy 1957-1959**  
Box 13, Folder 9     **National Academy of Sciences reports: "The Biological Effects of Atomic Radiation" 1956**  
Box 13, Folder 10    **Newspaper clippings 1956**  
Box 13, Folder 11    **Printed matter re radiation exposure 1947, 1957, 1972, n.d.**  
Box 13, Folder 12    **Security clearance of Dr. J. Robert Oppenheimer 1954**

**Note**

*See also:* Section X, 21.1-21.2

**Series VI: Manuscripts and Notes**

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**Part A: Course lecture notes**

Box 13, Folder 13      **Physics IIIa, b 1958-1959**  
Box 14, Folder 1      **Physics 1959**  
Box 14, Folder 2      **Physics III (R. P. Feynman's course) 1961-1962**

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**Part B: Kellogg Radiation Laboratory**

Box 15, Folder 1      **Notes, research ideas and projects**  
Box 15, Folder 1      **Current projects 1961**  
Box 15, Folder 1      **Cyclotron project**  
Box 15, Folder 2      **1964-1965**  
Box 15, Folder 3      **1966**  
Box 15, Folder 4      **1967**  
Box 15, Folder 5      **OSRD Project Vista: monograph 1, "Artillery and Aircraft Rockets" 1951 declassified declassified**  
Box 15, Folder 6      **Patented cantilever quartz fiber electroscopes n.d. printed matter printed matter**  
Box 15, Folder 7      **Physics Club 1960-1963**  
Box 15, Folder 8      **Possible experiments 1953-1955**  
Box 15, Folder 9      **Proposal for 10 meV electrostatic accelerator 1956**  
Box 15, Folder 10      **Spectrometer 1962**  
Box 15, Folder 11      **Student questionnaire 1971-1972**  
Box 16, Folder 1      **Tandem Accelerator Project I 1958-1959**  
Box 16, Folder 2      **Tandem Accelerator Project II 1958-1961**

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**Part C: Lectures**

**Research activities**  
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Box 16, Folder 4      **1955-1956**  
Box 16, Folder 5      **1960**  
Box 16, Folder 6      **1964**  
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Box 16, Folder 8      **1972**  
**Notes on lectures from other physicists 1952-1954**  
Box 16, Folder 9      **1952-1954**  
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Box 16, Folder 11      **1957-1959**  
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Box 17, Folder 1      **1961**  
Box 17, Folder 2      **1962-1964**  
Box 17, Folder 3      **1965-1967**  
Box 17, Folder 4      **Notes and misc. 1940-1945, 1959**

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**Part D: Reprints**

Box 17, Folder 5      **T. Lauritsen and others re fission fragments**  
Box 17, Folder 5      **"Cloud Chamber Studies of Fission Fragment Tracks" 1940**  
Box 17, Folder 5      **"A High Tension Apparatus for Nuclear Research" 1940**

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## Part D: Reprints

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Box 17, Folder 5	"Range-Velocity Relation for Fission Fragments in Helium" 1941
Box 17, Folder 5	Fission fragment manuscript and photos [untitled and undated]
Box 17, Folder 6	Niels Bohr
Box 17, Folder 6	"Om Atomernes Bygning" 1922
Box 17, Folder 6	"Atomic Theory and Mechanics" 1925
Box 17, Folder 6	"The Quantum Postulate and the Recent Development of Atomic Theory" 1928
Box 17, Folder 6	"Faraday Lecture. Chemistry and the Quantum Theory of Atomic Constitution" 1932
Box 17, Folder 6	"Atomic Stability and Conservation Laws" 1931
Box 17, Folder 6	"Lys og Liv," <i>Særtryk af Naturens Verden</i> 1933
Box 17, Folder 6	"Can Quantum-Mechanical Description of Physical Reality be Considered Complete?" 1935
Box 17, Folder 6	"Zeeman Effect and Theory of Atomic Constitution" 1935
Box 17, Folder 6	"Neutron Capture and Nuclear Constitution" 1936
Box 17, Folder 7	"Transmutations of Atomic Nuclei" 1937
Box 17, Folder 7	"Mécanique Nucléaire," <i>Congrès du Palais de la Découverte</i> 1937
Box 17, Folder 7	"Kausalitet og Komplementaritet," <i>Særtryk af Naturens Verden</i> 1937
Box 17, Folder 7	"Referate und Diskussionen: Physik I," <i>Erkenntnis</i> 1936
Box 17, Folder 7	"Biology and Atomic Physics" 1938
Box 17, Folder 7	"Wirkungsquantum und Atomkern," 1938
Box 17, Folder 7	"Biologi og Atomfysik," <i>Særtryk af Naturens Verden</i> 1938
Box 17, Folder 7	"Virkningskvantum og Atomkerne," <i>Særtryk af Fysisk Tidsskrift</i> 1938
Box 17, Folder 7	"Fysikkens Erkendelseslære og Menneskekulturerne" 1939
Box 17, Folder 7	"Nuclear Reactions in the Continuous Energy Region" 1939
Box 17, Folder 7	"Resonance in Uranium and Thorium Disintegrations and the Phenomenon of Nuclear Fission" 1939
Box 17, Folder 7	"Scattering and Stopping of Fission Fragments" 1940
Box 17, Folder 8	"Velocity-Range Relation for Fission Fragments" 1941
Box 17, Folder 8	"Niels Bohr. An Essay," by L. Rosenfeld 1945
Box 17, Folder 8	"Nyere Undersøgelser over Atomkernernes Omdannelser," <i>Særtryk af Fysisk Tidsskrift</i> 1941
Box 17, Folder 8	"Univerisitetet og Forskningen," 1941
Box 17, Folder 8	"Tale ved Mindehøjtideligheden for Ole Chievitz" 1946
Box 17, Folder 8	"Atomic Physics and International Cooperation" 1947
Box 17, Folder 8	"On the Notions of Causality and Complementarity," <i>Dialectica</i> 1948
Box 17, Folder 8	"Niels Bohr om spøg og alvor i videnskaben" 1949
Box 17, Folder 8	"Atomerne og vor erkendelse" 1949
Box 17, Folder 8	"Niels Bohr hylder Albert Einstein" 1949
Box 17, Folder 8	"Discussion with Einstein on Epistemological Problems in Atomic Physics" 1949
Box 17, Folder 8	"Open Letter to the United Nations" 1950
Box 17, Folder 8	"Atomphysik und internationale Zusammenarbeit," <i>Universitas</i> 1951
Box 17, Folder 8	"Medical Research and Natural Philosophy," <i>Acta Medica Scandinavica</i> 1952
Box 17, Folder 8	"Physical Models and Living Organisms" 1961
Box 17, Folder 8	"Die Entstehung der Quantenmechanik" n.d.
Box 17, Folder 8	"Dialectics of Atomic Nuclei," by George Gamow n.d.

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## Part E: Miscellaneous

Box 17, Folder 9	Thesis 1939
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**Series VII: Nominations for Awards**

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Box 17, Folder 11 **Tom Bonner 1963**  
Box 17, Folder 12 **William A. Fowler 1976**  
Box 17, Folder 13 **J. Robert Oppenheimer 1959, 1962**  
Box 17, Folder 14-16 **Ernest O. Lawrence Award**  
Box 17, Folder 14 **Fay Ajzenberg-Selove 1972**  
Box 17, Folder 15 **Ben R. Mottelson 1964**  
Box 17, Folder 16 **Thomas A. Tombrello 1973**  
Box 17, Folder 17 **National Medal of Science: William A. Fowler 1969-1972**  
Box 17, Folder 18-20 **Nobel Prize**  
Box 17, Folder 18 **Aage Bohr and Ben R. Mottelson 1972**  
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Series VIII: Personal and Biographical

Box 18, Folder 1	<b>Bibliography of T. Lauritsen publications</b>
Box 18, Folder 2	<b>Biographical dictionary forms</b>
Box 18, Folder 3	<b>Biographical information forms (Caltech); list of foreign countries visited 1962</b>
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Box 18, Folder 5-18	<b>T. Lauritsen's death and memorials</b>
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Box 18, Folder 11	<b>Transcript of the service</b>
	<b>Memorial tributes</b>
Box 18, Folder 12	<b>"Whither U.S. Nuclear Science?," by D. Allan Bromley, American Physical Society, Washington D.C. 1974 Apr 24</b>
Box 18, Folder 13	<b><i>The California Tech</i> 1973 Oct 26</b>
Box 18, Folder 14	<b>"TI and Helium Burning in Stars," by William A. Fowler, American Physical Society, Washington D.C. 1974 Apr 25</b>
Box 18, Folder 15	<b>Division of Nuclear Physics Banquet 1973 Nov 2; "The Light Nuclei," by Fay Ajzenberg-Selove, American Physical Society, Washington D.C. 1974 Apr 24</b>
Box 18, Folder 16	<b>Thomas Tombrello 1973 Oct</b>
Box 18, Folder 17	<b>Obituaries</b>
Box 18, Folder 18	<b>Miscellaneous</b>
Box 18, Folder 19-26	<b>Honors and appointments</b>
Box 18, Folder 19	<b>American Institute of Physics 1966, 1968</b>
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Box 18, Folder 21	<b>Caltech Faculty Office listing of honors and awards 1945, 1957, 1960-1970</b>
Box 18, Folder 22	<b>National Academy of Sciences 1965, 1967-1969</b>
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Box 18, Folder 27-28	<b>C. C. Lauritsen Memorial Fund: thank-you letters, lists of contributors 1969-1973</b>
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Box 18, Folder 32	<b>Denmark sabbatical 1962-1963</b>
Box 18, Folder 33	<b>Application to John Simon Guggenheim Memorial Foundation for fellowship appointments 1952-1953</b>
Box 18, Folder 34	<b>Lectures for the Physical Society of Zürich and Basel 1953</b>
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**Series X: Supplements**

- Box 21, Folder 1-2 **[Added to collection September, 1987]**  
                                  **U. S. Atomic Energy Commission in the matter of J. Robert Oppenheimer**
- Box 21, Folder 1                   **Transcript of hearing before Personnel Security Board 1954 Apr 12 1954 May 6**
- Box 21, Folder 2                   **Brief on behalf of J. Robert Oppenheimer 1954 Jun 7**
- Box 21, Folder 3 **[Added to collection from W. A. Fowler Papers, January, 2000]**
- Box 21, Folder 3                   **Plaque, Sigma Pi Sigma 196**