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Records, 1965-1986, with related records from *circa* 1903

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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	Records
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Date:	1965-1986, with related records from <i>circa</i> 1903
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Administrative Information

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Descriptive Entry

These records primarily document the research programs and administration of the Radiation Biology Laboratory (RBL), 1965-1983, and the Smithsonian Environmental Research Center (SERC), 1983-1986, under Director William H. Klein. Also included are smaller amounts of material created by the Smithsonian Astrophysical Observatory (SAO) and the Division of Radiation and Organisms (R&O).

The records include incoming and outgoing correspondence of Klein, and Assistant Director, Walter Shropshire, Jr., 1965-1986; correspondence, proposals, and reports documenting research conducted under contracts with the Eppley Foundation, the National Aeronautics and Space Administration, the National Oceanic and Atmospheric Administration, the United States Department of Energy, the Atomic Energy Commission, the National Science Foundation, and the National Institutes of Health; files concerning the establishment of RBL in 1965, its facilities in the Smithsonian Institution Building, and the move to the Rockville building in 1970; records relating to the merger of RBL and the Chesapeake Bay Center for Environmental Studies to form SERC in 1983; correspondence, memoranda, and reports concerning the Carbon-Dating Laboratory; correspondence with equipment suppliers; requests for information from the general public; staff reviews of scientific manuscripts; budget files of R&O, RBL, and SERC; a manuscript by Earl S. Johnston on sunlight and plants; photographs of SAO, R&O, and RBL personnel including Charles G. Abbot, Loyal B. Aldrich, and Klein; photographs of equipment and facilities; glass plate negatives of SAO expeditions to Chile, 1918, and Africa and India, 1925; and glass plate negatives containing solar radiation data.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

Environmental protection -- Research
Environmental sciences

Types of Materials:

Black-and-white photographs
Brochures
Color photographs
Glass negatives
Lantern slides
Manuscripts

Names:

Abbot, C. G. (Charles Greeley), 1872-1973
Aldrich, Loyal Blaine, 1884-1965
Chesapeake Bay Center for Environmental Studies
Eppley Foundation for Research
Johnston, Earl S. (Earl Steinfeld), 1889-1947
Klein, William H. (William Harvey)
National Institutes of Health (U.S.)
National Science Foundation (U.S.)
Shropshire, Walter
Smithsonian Astrophysical Observatory
Smithsonian Astrophysical Observatory. Radiation and Organisms Division
Smithsonian Environmental Research Center. Carbon-Dating Laboratory
Smithsonian Institution Building (Washington, D.C.)
Smithsonian Radiation Biology Laboratory
U.S. Atomic Energy Commission
United States. Dept. of Energy
United States. National Aeronautics and Space Administration
United States. National Oceanic and Atmospheric Administration

Geographic Names:

Africa
Chile
India

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- Box 9 of 28 DOE Contract DE-ASO5-76ER14241 (Klein) Progress Report to 11/30/1979; proposal to review, 11/30/1980
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- Box 9 of 28 DOE Contract EY-76-S-05-4241 (Klein) - Proposal to Renew to 11/30/1979
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- Box 13 of 28 Proposed ASAE Engineering Practice: Guidelines for Measuring and Reporting Environmental Parameters for Plant Experiments in Growth Chambers

- Box 13 of 28 Shropshire, W., J. F. Lafay, J. Matrimon - "Sensory physiology of sporangiophore responses to stimuli other than light"
- Box 13 of 28 Drake, B. G. and J. L. Gallagher (1984) - "Osmotic Potential and Turgor Maintenance in *S. Alternifora loisel*"
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- Box 14 of 28 Frosch, Tsala, Agoshi, Greppin - "Effect of photoperiod length on leaf ontogenesis..."
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- Box 14 of 28 ASAE Engineering Practice - ASAE411
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Box 15 of 28 ODC Quarterly Meeting, SERC, 1983-1986

Box 15 of 28 Gantt - ASPP, 1985-1986

Box 15 of 28 Reading File (Incoming & Outgoing Correspondence & Memoranda), W.H. Klein, FY 1986

Box 15 of 28 Reading File (Incoming & Outgoing Correspondence & Memoranda), W. Shropshire, Jr., FY 1985

Box 15 of 28 Wells Fargo Protective Services, 1970-1972

Box 15 of 28 RBL Files Index, 1971

Box 15 of 28 IBM Maintenance Agreement Friden 0026

Box 15 of 28 RBL and SERC Organization Charts, 1969-1984

Box 15 of 28 Parking

Box 15 of 28 SI Press, 1970-1986

Box 15 of 28 Solar Radiation Requests, 1983

- Box 15 of 28 American District Telegraph Co. (ADT), 1973-1986
- Box 15 of 28 5 year prospectus, 1984
- Box 15 of 28 Atherton Seidell Endowment Fund, 1979-1985
- Box 15 of 28 Aruchami, Marappa, 1985
- Box 15 of 28 Hawaii Solar Radiation Project, 1984
- Box 15 of 28 Photographs - Charles G. Abbott
- Box 15 of 28 Photographs - W. H. Klein
- Box 15 of 28 Photographs (3 folders)
- Box 15 of 28 Negatives
- Box 15 of 28 Research Opportunities Fund, 1985-1986
- Box 15 of 28 Fluid Research Fund, 1979-1985

- Box 16

- Box 16 of 28 Earl S. Johnston Manuscripts on Plants and Sunlight, 1930-1936 (2 folders)

- Budget Files

- Box 16 of 28 FY 1987 Budget

- Box 16 of 28 SI FY 1986 Justification of Estimates to the Office of Management and Budget (2 folders)

- Box 16 of 28 Rockville Budget Submission, Spring 1985, Federal 1987, Trust 1986

- Box 16 of 28 Five Year Submission, 1983-1987

- Box 16 of 28 Five Year Prospectus, FY 1986-1990

- Box 16 of 28 Five Year Prospectus, FY 1985-1989

- Box 16 of 28 Equipment Replacement Survey, FY 1985-FY 1988

- Box 16 of 28 5 year planning statement, FY 1983-FY 1987
- Box 16 of 28 Spring Budget Submission, Federal 1986, Trust 1985
- Box 16 of 28 Edgewater Budget Submission, Spring 1985, Federal 1987, Trust 1986
- Box 16 of 28 Budget Submission, Federal 1985, Trust 1984
- Box 16 of 28 Budget Management Committee Meetings, Summer 1985
- Box 16 of 28 Budget, FY 1984
- Box 16 of 28 Budget, FY 1983
- Box 16 of 28 RBL Forward Planning Program, FY 1978-FY 1983
- Box 16 of 28 Budget - Planning, Programming, Budgeting, 1965-1966
- Box 16 of 28 Memoranda regarding Budget, 1965-1970
- Box 16 of 28 GAO Report on SI Operations, 3/31/1977

- Box 17

- Box 17 of 28 FY 1982 Budget Submission
- Box 17 of 28 FY 1981 Budget to OMB
- Box 17 of 28 Draft Material for Discussion of FY 1982 Budget
- Box 17 of 28 Forward Planning (FY 1982-FY 1985) and Zero-Base Budget Instructions for FY 1981
- Box 17 of 28 FY 1981 Budget
- Box 17 of 28 Trust Funds FY 1980 and FY 1981 Budget Submissions & Projections for FY 1982-FY 1985
- Box 17 of 28 Zero Base Budget, FY 1980
- Box 17 of 28 FY 1980 Budget Justifications submitted to Committee on Appropriations

Box 17 of 28	FY 1980 Budget Submission
Box 17 of 28	FY 1979 Budget Justification
Box 17 of 28	FY 1978 Budget
Box 17 of 28	FY 1977 Budget Justifications
Box 17 of 28	FY 1975 Budget
Box 17 of 28	FY 1976 Budget
Box 17 of 28	Budget Planning, FY 1971-FY 1976
Box 17 of 28	FY 1974 Budget
Box 17 of 28	FY 1972 Budget Justification
Box 17 of 28	FY 1973 Budget Justification
Box 17 of 28	FY 1973 Budget
Box 17 of 28	FY 1972 Budget
Box 17 of 28	FY 1971 Budget
Box 17 of 28	Projected Budget Estimate, FY 1968-FY 1972
Box 17 of 28	FY 1970 Budget

Box 18

Box 18 of 28	FY 1969 Budget
Box 18 of 28	FY 1968 Budget
Box 18 of 28	Budget Estimates - FY 1967 and Projections for FY 1968-FY 1970
Box 18 of 28	Total of allotments, FY 1965-FY 1969
Box 18 of 28	FY 1967 Budget
Box 18 of 28	Budget and Justifications, FY 1966

Box 18 of 28 3 year projected budget, 1966-1968

Box 18 of 28 FY 1964 Budget and Justifications

Box 18 of 28 FY 1963 Budget and Justifications

Box 18 of 28 FY 1962 Budget and Justifications

Box 18 of 28 FY 1961 Budget and Justifications

Box 18 of 28 FY 1960 Budget

Box 18 of 28 FY 1959 Budget

Box 18 of 28 SERC/Rockville Guest Book, 1984-1986

Box 19

Lantern Slides

Box 19 of 28 3" x 3" and 3" x 4" unmounted and unnumbered slides. Images of sun, November 1947, date and time stamped (marked by Charles G. Abbott).

Box 20

Box 20 of 28 Lantern slides #70-137 (some numbers missing or out of order) - Images include sites in England, Baluchistan, Agra, Bombay, Mt. Brukharos (Southwest Africa), and Arica (South America)

Box 21

Box 21 of 28 Lantern slides #384-447 (some numbers missing or out of order) - Images are of graphs of the solar constant, sunspots, and atmospheric transmission and humidity

Box 22

Box 22 of 28 Lantern slides #448-508 (some numbers missing or out of order) - Images are of graphs and charts of the solar constant (1903) and data from Albany

Box 23

Box 23 of 28 Lantern slides #512-572 (some numbers missing or out of order) - Images are of graphs and charts; also eclipse information from January 3, 1908; Abbott; and graphics pertaining to construction and design of bolometer

Box 24

Box 24 of 28 Lantern slides (circa 1960s) - Undated and unnumbered consisting of charts and graphs of subjects including Black Valentine bean and Enzymatic reactions in salts

Box 25

Box 25 of 28 Lantern slides (circa 1950-1960s) - Undated and unnumbered consisting of charts and graphs of subjects including plant research and computer setup

Box 26

Box 26 of 28 Lantern slides (circa 1960s) - Undated and unnumbered consisting of charts and graphs

Box 27

Box 27 of 28 Lantern slides (circa 1960s) - Undated and unnumbered consisting of charts and graphs

Box 28

Transparencies and Glass Plate Negatives

Box 28 of 28 Glass plate negatives attributed to Charles G. Abbott
Note: • Plate VI - A. "Hydrogen Cloud," B. "Completely over edge"
 • Plate IV - B. "Spectra of outer edges of the Penumbra of a Sun-spot"

Box 28 of 28 Glass plate negatives attributed to Charles G. Abbott
Note: • Plate IV - A. "Displaced solar lines"
 • Plate ? - B. "Rotation of the Sun"

Box 28 of 28 35mm transparencies (glass and film)