



Smithsonian Institution Archives

Records, 1962-1986

Finding aid prepared by Smithsonian Institution Archives

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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
Title:	Records
Identifier:	Record Unit 387
Date:	1962-1986
Extent:	13 cu. ft. (13 record storage boxes)
Creator::	Smithsonian Environmental Research Center. Radiocarbon Dating Laboratory
Language:	English

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Record Unit 387, Smithsonian Environmental Research Center, Radiocarbon Dating Laboratory, Records

Historical Note

A Carbon-Dating Laboratory was established in the Division of Radiation and Organisms, Astrophysical Observatory, in September 1962. The function of the Laboratory was to analyze samples of archaeological and geological interest submitted by Smithsonian and outside researchers. The Laboratory also conducted basic research in the techniques of dating by the use of the carbon-14 method. Joel J. Sigalove, a geochemist, directed the Laboratory during its first year of operations. Austin Long was appointed Geochemist in 1963 and given charge of the carbon-dating work. Long resigned in 1968, and was replaced by Robert Stuckenrath, who directed the Laboratory with the title of Anthropologist. Stuckenrath remained in the position until carbon-dating work ceased when the Rockville laboratory of the Smithsonian Environmental Research Center closed in November 1986.

Descriptive Entry

These records document the operation of the Carbon-Dating Laboratory during its twenty-four year history. They include logbooks containing raw data on samples analyzed; incoming and outgoing correspondence of Sigalove, Long, and Stuckenrath with Smithsonian and outside scientists concerning the analysis of samples submitted for dating; information on dates provided by the Laboratory which were published in the journal *Radiocarbon*; and miscellaneous laboratory and record books.

Names and Subject Terms

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

Subjects:

Geochemistry
Radiocarbon dating

Types of Materials:

Laboratory notebooks
Manuscripts

Names:

Long, Austin
Sigalove, Joel J.
Smithsonian Astrophysical Observatory. Radiation and Organisms Division
Stuckenrath, Robert

Container Listing

Box 1

Sample Logs - Counter 2

Box 1 of 13	Book 1, October 1970 - May 1971
Box 1 of 13	Book 2, May 1971 - December 1971
Box 1 of 13	Book 3, December 1971 - August 1972
Box 1 of 13	Book 4, August 1972 - February 1973
Box 1 of 13	Book 5, February 1973 - August 1973
Box 1 of 13	Book 6, August 1973 - March 1974
Box 1 of 13	Book 7, March 1974 - December 1974
Box 1 of 13	Book 8, December 1974 - June 1975
Box 1 of 13	Book 9, June 1975 - December 1975
Box 1 of 13	Book 10, January 1976 - July 1976
Box 1 of 13	Book 11, September 1976 - February 1977
Box 1 of 13	Book 12, February 1977 - February 1979
Box 1 of 13	Book 13, February 1979 - February 1980
Box 1 of 13	Book 14, February 1980 - November 1980
Box 1 of 13	Book 15, November 1980 - July 1981
Box 1 of 13	Book 16, July 1981 - March 1982
Box 1 of 13	Book 17, March 1982 - December 1982
Box 1 of 13	Book 18, December 1982 - August 1983

Box 1 of 13 Book 19, August 1983 - April 1984

Box 1 of 13 Book 20, April 1984 - November 1984

Box 1 of 13 Book 21, November 1984 - November 1985

 Oxalic Acid Runs - Counter 2

Box 1 of 13 Book 1, October 1970 - November 1972

Box 1 of 13 Book 2, November 1972 - February 1977

Box 1 of 13 Book 3, February 1977 - October 1981

Box 2

 Backgrounds - Counter 2

Box 2 of 13 Book 1, October 1970 - September 1972

Box 2 of 13 Book 2, September 1972 - June 1975

Box 2 of 13 Book 3, June 1976 - September 1978

Box 2 of 13 Book 4, September 1978 - April 1981

 Sample Runs - Counter 3

Box 2 of 13 Book 1, May 1971 - January 1972

Box 2 of 13 Book 2, January 1972 - August 1972

 Sample Logs - Counter 3

Box 2 of 13 Book 3, August 1972 - February 1973

Box 2 of 13 Book 4, February 1973 - August 1973

Box 2 of 13 Book 5, August 1973 - January 1974

Box 2 of 13 Book 6, January 1974 - July 1974

Box 2 of 13	Book 7, August 1974 - March 1975
Box 2 of 13	Book 8, March 1975 - August 1975
Box 2 of 13	Book 9, August 1975 - January 1976
Box 2 of 13	Book 10, January 1976 - May 1976
Box 2 of 13	Book 11, May 1976 - November 1976
Box 2 of 13	Book 12, November 1976 - May 1977
Box 2 of 13	Book 13, May 1977 - October 1977
Box 3	
	Sample Logs - Counter 3
Box 3 of 13	Book 14, October 1977 - April 1978
Box 3 of 13	Book 15, April 1978 - August 1978
Box 3 of 13	Book 16, September 1978 - April 1979
Box 3 of 13	Book 17, April 1979 - November 1979
Box 3 of 13	Book 18, November 1979 - June 1980
Box 3 of 13	Book 19, June 1980 - December 1980
Box 3 of 13	Book 20, December 1980 - June 1981
Box 3 of 13	Book 21, June 1981 - December 1981
Box 3 of 13	Book 22, December 1981 - August 1982
Box 3 of 13	Book 23, August 1982 - April 1983
Box 3 of 13	Book 24, April 1983 - December 1983
Box 3 of 13	Book 24, December 1983 - September 1984
Box 3 of 13	Book 25, September 1984 - September 1985

Oxalic Acid Runs - Counter 3

Box 3 of 13 Book 1, May 1971 - May 1974

Box 3 of 13 Book 2, May 1974 - July 1978

Backgrounds - Counter 3

Box 3 of 13 Book 1, May 1971 - November 1973

Box 3 of 13 Book 2, November 1973 - January 1977

Box 3 of 13 Book 3, January 1977 - November 1979

Box 3 of 13 Book 4, November 1979 - July 1982

Box 4

Sample Logs - Counter 1

Box 4 of 13 Book 1, October 1970 - April 1971

Box 4 of 13 Book 2, April 1971 - December 1971

Box 4 of 13 Book 3, December 1971 - August 1972

Box 4 of 13 Book 4, August 1972 - February 1973

Box 4 of 13 Book 5, February 1973 - August 1973

Box 4 of 13 Book 6, August 1973 - February 1974

Box 4 of 13 Book 7, February 1974 - December 1974

Box 4 of 13 Book 8, December 1974 - June 1975

Box 4 of 13 Book 9, June 1975 - January 1976

Box 4 of 13 Book 10, January 1976 - July 1976

Box 4 of 13 Book 11, July 1976 - February 1977

Box 4 of 13 Book 12, February 1977 - February 1978

Box 4 of 13 Book 13, February 1978 - September 1978

Box 4 of 13 Book 14, September 1978 - May 1979

Box 4 of 13 Book 15, May 1979 - June 1980

Box 4 of 13 Book 16, June 1980 - February 1981

Box 4 of 13 Book 17, February 1981 - October 1981

Box 4 of 13 Book 18, October 1981 - May 1982

Box 4 of 13 Book 19, May 1982 - February 1983

Box 4 of 13 Book 20, March 1983 - October 1983

Box 5

 Sample Logs - Counter 1

Box 5 of 13 Book 21, October 1983 - June 1984

Box 5 of 13 Book 22, June 1984 - February 1985

Box 5 of 13 Book 23, February 1985 - February 1986

 Oxalic Acid Runs - Counter 1

Box 5 of 13 Book 1, October 1970 - November 1972

Box 5 of 13 Book 2, November 1972 - May 1977

Box 5 of 13 Book 3, May 1977 - March 1981

 Backgrounds - Counter 1

Box 5 of 13 Book 1, October 1970 - July 1972

Box 5 of 13 Book 2, July 1972 - May 1975

Box 5 of 13 Book 3, May 1975 - April 1978

Box 5 of 13 Book 4, April 1978 - August 1980

 Sample Runs - Counter 4

Box 5 of 13 Book 1, September 1971 - September 1978

Box 5 of 13 Book 2, September 1978 - May 1979

Box 5 of 13 Book 3, May 1979 - February 1980

Box 5 of 13 Book 4, February 1980 - January 1981

Box 5 of 13 Book 5, January 1981 - October 1981

Box 5 of 13 Book 6, October 1981 - July 1982

Box 5 of 13 Book 7, July 1982 - March 1983

Box 5 of 13 Book 8, March 1983 - November 1983

Box 5 of 13 Book 9, November 1983 - July 1984

Box 5 of 13 Book 10, July 1984 - March 1985

Box 5 of 13 Book 11, March 1985 - February 1986

Box 6

 Oxalic Acid Runs - Counter 4

Box 6 of 13 Book 1, June 1971 - May 1980

Box 6 of 13 Book 2, May 1980 - June 1983

 Backgrounds - Counter 4

Box 6 of 13 Book 1, June 1971 - April 1978

Box 6 of 13 Book 2, April 1978 - October 1980

Sample Runs - Counter 5

Box 6 of 13 Book 1, March 1977 - September 1980

Box 6 of 13 Book 2, September 1980 - March 1985

Oxalic Acid - Counter 5

Box 6 of 13 Book 1, March 1977 - April 1981

Backgrounds - Counter 5

Box 6 of 13 Book 1, March 1977 - January 1980

Box 6 of 13 Miscellaneous record books. Includes lab notes and records of equipment.

Box 7

Published SI-dates. Apparently a record of carbon-dating performed for SI scientists that was eventually used in publication, #12 -1106. One card file box. Published C-14 dates. Arranged by country

Box 7 of 13 Africa

Box 7 of 13 Arabia

Box 7 of 13 Argentina

Box 7 of 13 Bahama Islands

Box 7 of 13 Brazil (2 folders)

Box 7 of 13 Canada

Box 7 of 13 China

Box 7 of 13 Colombia

Box 7 of 13 Costa Rica

Box 7 of 13 Cuba

Box 7 of 13 Ecuador

Box 7 of 13	England
Box 7 of 13	Guatemala
Box 7 of 13	Honduras
Box 7 of 13	Iran
Box 7 of 13	Ireland
Box 7 of 13	Israel
Box 7 of 13	Japan
Box 7 of 13	Labrador
Box 7 of 13	Mallurga

Box 8

Box 8 of 13	Mediterranean
Box 8 of 13	Mexico
Box 8 of 13	New Brunswick
Box 8 of 13	Pacific
Box 8 of 13	Panama
Box 8 of 13	Peru
Box 8 of 13	Poland
Box 8 of 13	Venezuela
Box 8 of 13	Yukon
Box 8 of 13	U.S. - Alabama
Box 8 of 13	U.S. - Alaska (4 folders)

Box 8 of 13	U.S. - Arizona
Box 8 of 13	U.S. - California
Box 8 of 13	U.S. - Colorado
Box 8 of 13	U.S. - District of Columbia
Box 8 of 13	U.S. - Florida
Box 8 of 13	U.S. - Georgia
Box 8 of 13	U.S. - Iowa
Box 8 of 13	U.S. - Kansas
Box 8 of 13	U.S. - Maine
Box 8 of 13	U.S. - Maryland
Box 8 of 13	U.S. - Massachusetts
Box 8 of 13	U.S. - Minnesota (2 folders)
Box 8 of 13	U.S. - Missouri
Box 8 of 13	U.S. - Montana
Box 8 of 13	U.S. - Nebraska
Box 8 of 13	U.S. - New Jersey
Box 8 of 13	U.S. - New Mexico
Box 8 of 13	U.S. - North Carolina
Box 8 of 13	U.S. - North Dakota
Box 8 of 13	U.S. - Oklahoma
Box 8 of 13	U.S. - Oregon
Box 8 of 13	U.S. - South Carolina

Box 8 of 13 U.S. - South Dakota

Box 8 of 13 U.S. - Tennessee

Box 8 of 13 U.S. - Virginia

Box 8 of 13 U.S. - Washington

Box 8 of 13 U.S. - Wyoming

Correspondence

Box 8 of 13 Ackerman, Robert E.

Box 8 of 13 Adey, Walter H.

Box 8 of 13 Ager, Thomas

Box 8 of 13 Aikens, C. Melvin

Box 8 of 13 Anderson, Douglas D.

Box 8 of 13 Anderson, R. Scott

Box 9

Box 9 of 13 Andrews, John T. (2 folders)

Box 9 of 13 Angel, J. Lawrence

Box 9 of 13 Bastian, Tyler

Box 9 of 13 Behrensmeyer, A. K.

Box 9 of 13 Bloom, Arthur G.

Box 9 of 13 Bourque, Bruce

Box 9 of 13 Bradley, Raymond S.

Box 9 of 13 Bryan, Alan L.

Box 9 of 13	Butzer, Karl W.
Box 9 of 13	Byers, Douglas S.
Box 9 of 13	Cadwell, Donald H.
Box 9 of 13	Clark, Gerald H.
Box 9 of 13	Clarke, A. H.
Box 9 of 13	Collins, Henry B.
Box 9 of 13	Connally, G. Gordon
Box 9 of 13	Cook, John P.
Box 9 of 13	Correll, David L.
Box 9 of 13	Craft, Jesse L.
Box 9 of 13	Crowl, George
Box 9 of 13	David, Nicholas
Box 9 of 13	Davis, Stanley D.
Box 9 of 13	Deevey, Edward S.
Box 9 of 13	Dumond, Don E.
Box 9 of 13	England, John
Box 9 of 13	Evans, Clifford/Meggars, Betty (2 folders)

Box 10

Box 10 of 13	Evans, Clifford/Meggars, Betty (3 folders)
Box 10 of 13	Faulkner, Charles H.
Box 10 of 13	Ferguson, C. W.
Box 10 of 13	Ferring, C. R.

Box 10 of 13	Fitzhugh, William W. (3 folders)
Box 10 of 13	Fry, Gary F.
Box 10 of 13	Fudali, R. F.
Box 10 of 13	Gardner, William M.
Box 10 of 13	Gibson, Gordon D.
Box 10 of 13	Glynn, Peter W.
Box 10 of 13	Hamilton, Thomas D.
Box 10 of 13	Harp, Elmer, Jr.
Box 10 of 13	Holliday, Vance T.
Box 10 of 13	Irving, W. N.
Box 10 of 13	Irwin-Williams, Cynthia
Box 10 of 13	Jennings, Jesse D.

Box 11

Box 11 of 13	Karlen, Wibjorn
Box 11 of 13	Knez, E. I.
Box 11 of 13	Ladd, Harry S.
Box 11 of 13	Laughlin, William S.
Box 11 of 13	Lewis, Douglas
Box 11 of 13	Linares, Olga
Box 11 of 13	Livingstone, Daniel A.
Box 11 of 13	Lovis, William A.

Box 11 of 13	Lynch, Thomas F.
Box 11 of 13	MacIntyre, Ian G. (2 folders)
Box 11 of 13	Madsen, David B.
Box 11 of 13	Manis Mastodon Project
Box 11 of 13	Mayer-Oakes, William J.
Box 11 of 13	McCartney, Allen P.
Box 11 of 13	McPherron, Alan
Box 11 of 13	Mead, James G.
Box 11 of 13	Meggars, Betty (2 folders; see also under Clifford Evans)
Box 11 of 13	Melson, William
Box 11 of 13	Mielke, James E.
Box 11 of 13	Nichols, Harvey
Box 11 of 13	Norton, Stephen A.
Box 11 of 13	Olson, Storrs L.
Box 11 of 13	Ortner, Donald J.
Box 11 of 13	Pewe, Troy L.
Box 11 of 13	Phebus, George
Box 11 of 13	Pierce, J. W.

Box 12

Box 12 of 13	Powers, William R.
Box 12 of 13	Ranere, Anthony J.
Box 12 of 13	Ray, Clayton E.

Box 12 of 13	Rhode River (MD)
Box 12 of 13	Richards, Horace G.
Box 12 of 13	Rosewater, Joseph
Box 12 of 13	Schnitker, Detmar
Box 12 of 13	Simkin, Thomas E.
Box 12 of 13	Sirkin, L. A.
Box 12 of 13	Smith, Bruce D. (2 folders)
Box 12 of 13	Smith, Philip
Box 12 of 13	Snow, Dean R.
Box 12 of 13	Stanford, Dennis (2 folders)
Box 12 of 13	Stanley, Daniel J. (2 folders)
Box 12 of 13	Thomas, David H.
Box 12 of 13	Trousdale, William
Box 12 of 13	Tuck, James
Box 12 of 13	Turner, Christy G., II
Box 12 of 13	Ubelaker, Douglas H.
Box 12 of 13	Wailles, Bernard (2 folders)
Box 12 of 13	Watson, Patty Jo

Box 13

Box 13 of 13	Wedel, Waldo R.
Box 13 of 13	West, Frederick H.

Box 13 of 13	Wheat, Joe Ben
Box 13 of 13	Whitehead, Donald R.
Box 13 of 13	Wilke, Steve
Box 13 of 13	Winter, John
Box 13 of 13	Wright, Herbert E.
Box 13 of 13	Yellen, John
Box 13 of 13	Young, T. Cuyler, Jr.
Box 13 of 13	Miscellaneous loose correspondence