
Descriptive Summary

Title: Samuel Epstein Papers,

Date (inclusive): 1942-2002

Collection number: 10159-MS

Creator: Epstein, Samuel 1919-2001

Extent: 36 linear feet

Repository: California Institute of Technology. Caltech Archives
Pasadena, California 91125

Abstract: The working papers, correspondence, scientific data, teaching and biographical material of Samuel Epstein form the collection known as the Samuel Epstein Papers at the California Institute of Technology Archives. Epstein had a distinguished career in isotope geochemistry, resulting in the development of the carbonate paleotemperature scale, as well as the publication of some pioneering papers with regards to the measurements of paleotemperatures and of the isotopic composition of water in the meteorological cycle. Epstein carried out important research on the Antarctic and Greenland ice sheets, on isotope composition of hydrogen and oxygen in tree rings, and on the origin of meteorites, tektites, and lunar rocks and minerals.

Physical location: Archives, California Institute of Technology.

Language of Material:

Languages represented in the collection:

English

Access

The collection is open for research with the exception of the following seven files: 14.7, 15.7, and 15.10 through 15.14, that are closed due to their confidential matters. Researchers must apply in writing for access.

Publication Rights

Copyright may not have been assigned to the California Institute of Technology Archives. All requests for permission to publish or quote from manuscripts must be submitted in writing to the Caltech Archivist. Permission for publication is given on behalf of the California Institute of Technology Archives as the owner of the physical items and, unless explicitly stated otherwise, is not intended to include or imply permission of the copyright holder, which must also be obtained by the reader.

Preferred Citation

[Identification of item], Samuel Epstein Papers, 10159-MS, Caltech Archives, California Institute of Technology.

Acquisition Information

The papers were donated to the Caltech Archives by Samuel and Diane Epstein in two installments. The first installment was donated by Samuel Epstein himself, on September 1996, and consisted of five storage boxes that were inventoried in 1998. Forty-three additional storage boxes were donated by Epstein's widow, Diane, on January 2002.

Biography

Samuel Epstein was born near Kobryn, Poland in 1919 and moved to Winnipeg, Canada with his family in 1927. After graduating from high school in 1937, he attended the University of Manitoba, where he earned a BS in geology and chemistry in 1941 and a MS in chemistry in 1942. In 1944 he received his PhD in chemistry at McGill University, where he conducted research on the kinetics of reactions involving the high explosive RDX.

Immediately after graduation Epstein joined the Canadian Atomic Energy Project in Montreal where he worked on rare-gas fission products resulting from the fission of U235.

In 1948, he joined Nobel Laureate Harold Urey at the University of Chicago on an oxygen isotope paleotemperature project that Urey was in the process of initiating. The period Epstein spent at the University of Chicago (1948-1952) was the beginning of his distinguished career in isotope geochemistry.

In June 1952, Epstein was invited by Harrison Brown to join a team of scientists at Caltech, among them Clair C. Patterson and Charles McKinney. This group formed the nucleus of what would become Caltech's geochemistry program. Epstein joined the Geology Division as a

research fellow in geochemistry in 1952, was appointed Associate Professor of Geochemistry in 1954, and Professor of Geochemistry in 1959.

Epstein began his research on the utility of oxygen isotope data in igneous, metamorphic, and sedimentary related problems, as well as investigating the isotopic fractionations associated with the growth of plants and the formation of petroleum. He carried out important research on the Antarctic and Greenland ice sheets, on isotope composition of hydrogen and oxygen in tree rings, and on the origin of meteorites, tektites, and lunar rocks and minerals.

Epstein was widely recognized for his scientific achievements. In 1976 he was elected to both the National Academy of Sciences and the American Academy of Arts and Sciences. He was the recipient of the Day Medal of the Geological Society in 1976, the Goldschmidt Medal of the Geochemical Society and the Wollaston Medal, both in 1977, and the Urey Medal of the European Association of Geochemistry in 1995. During 1978-1979 he served as president of the Geochemical Society.

From 1984 until his retirement in 1990, Epstein held the position of William E. Leonhard Professor of Geology at Caltech. He continued his productive scientific work in meteorite geology and past climate changes until his death on September 17, 2001.

Scope and Content

The collection is divided into seven series, organized in 84 archival boxes. The correspondence series contains both incoming and outgoing correspondence organized in alphabetically ordered folders.

Series 2 contains material that relates directly to the California Institute of Technology. This series is subdivided into Epstein's teaching material, Division of Geological and Planetary Sciences (GPS) material, committees and reviews.

Epstein's manuscripts, preprints and reprints (Series 3), and his talks and conference meetings materials (Series 4) are arranged in chronological order and contain a wide variety of related documents, from graphs to notes to related correspondence.

Epstein's research files (Series 5) are subdivided into two categories: grant proposals and general research materials organized by research subjects and topics.

The technical files (Series 6) which make up over half the collection, contain mass spectrometer data books as well as laboratory notebooks of Epstein and his collaborators. Notebook numbering refers to the sequence of experiments.

The biographical section contains a small amount of biographical material.

The collection is organized into the following series:

- Series 1. Correspondence
- Series 2. California Institute of Technology
- Series 3. Manuscripts, Preprints and Reprints
- Series 4. Talks, Conferences and Meetings
- Series 5. Research Files
- Series 6. Technical Files
- Series 7. Biographical

Related Material

Researchers should also refer to Epstein's oral histories, conducted in 1985-1986 by Carol Bugé, which are deposited in the Caltech Archives.

Indexing Terms

The following terms have been used to index the description of this collection in the library's online public access catalog.

Subjects

California Institute of Technology

Geochemistry

Isotope geology

Occupations

Geochemists

Series 1. Correspondence

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- Abrajano, Jun 1983
- Ahrens, Thomas J. 1997
- Aines, Roger 1983
- Akeroyd, Michele 1997
- Albee, Arden L. 1982
- Ambrose, Stan 1993
- American Academy of Arts and Sciences 1978, 1985
- American Association of Petroleum Geologists 1961
- American Geological Institute 1968
- American Geophysical Union 1964, 1980, 1985
- American Journal of Science 1977
- American Men and Women of Science 1978-1979
- American Meteorological Society 1959-1960
- American Scientist 1977
- Amster, Warren 1978
- Amundson, Ronald 1993
- Analytical Chemistry 1965
- Angell, James 1956
- Anderson, Alfred T., Jr. 1962
- Anderson, Thomas F. 1984
- Andreae, Meinrat O. 1995
- Angino, Ernest E. 1961, 1967
- Arizona-Nevada Academy of Science 1982
- Arnold, James R. 1977
- Arthur, Michael A. 1980
- Aschenbrand, Leonard M. 1951
- Ashburn, Edward V. 1953
- Ashendorf, Debra 1979
- Aswathanarayana, U. 1978
- Ancour [?], A. M. 1995
- Ault, Wayne U. 1958
- Awramik, S. M. 1977

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- Back, William 1964
- Baertschi, P. 1950, 1951
- Barghoorn, Elso S. 1979
- Barnes, H. L. 1959
- Barron, Eric J. 1992
- Barton, Paul B. 1985
- Basu, Asish R. 1986
- Bayly, Brian 1967
- Beckman, Arnold O. 1967
- Bedell, Elizabeth A. 1979
- Bertsehinger [?], Ed 1979
- Bellemare, Guy R. 1985
- Benson, Bruce B. 1958
- Benson, William E. 1957
- Bernstein, R. B. 1956
- Bengelsdorf, Irv[ing] 1980
- Berkley Geochronology Center 1994
- Bhandari, R. 1981, 1984
- Bhattacharya, S. K. 1996
- Biddle Co. 1950
- Biochimica et Biophysica Acta 1959
- Blattner, Peter 1977
- Blum, Joel 1993
- Bodvarsson, Gunnar 1958, 1961
- Boettcher, Art 1977, 1980
- Bollay, Eugene 1955
- Boato, G. 1958
- Bonner, James 1977
- Bonner, Francis T. 1974
- Bottinga, Yan 1962, 1975
- Borok [?], Keilisundated
- Boyd, F. R. 1957
- Boyer, Paul D. 1985
- Bradley, J. H. 1954
- Breger, Irving A. 1978
- Brenninkmeijer, C. A. M. 1982
- Bricout, J. 1978
- British Broadcasting Corporation 1977
- Brittingham, Michael 1960
- Brown, Allan H. 1951
- Brown, Ronald G. 1984
- Brownlow, Arthur H. undated
- Bruhingarne [?], Al 1977
- Buckwold, Sidney Joshua 1957
- Bullard, Edward 1977
- Brugman [?], Mindy undated
- Burke, Kevin C. 1984
- Burnett, D. S. 1986
- Burt, Eme 1992
- Bush, Robert 1993
- Busenberg, E. 1981
- Bussod, Gilles Y. 1983
- Byers, Horace 1959, 1960
- Byrne, Roger 1997

Box 2, Folder 1 **Canadian Journal of Earth Sciences 1983**
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- California Institute of Technology, Alumni Association 1978
- California Institute of Technology, Industrial Associates 1967
- California Institute of Technology, Physics Faculty 1983
- Cameron, Maryellen 1983
- Campbell, Ian 1952, 1956, 1978
- Carnegie Institution of Washington 1958
- Carter, David L. 1992
- Casshyap, S. M. 1965
- Chahine, Moustafa T. 1996, undated
- Chang, Shih-bin Robin 1982
- Charney, Jule G. 1959
- Chave, Keith E. 1966
- Chayes, Felix 1955
- Chemical Abstracts 1951
- Chenghua 1992
- Chevron Oil Field Research Company 1979, 1981
- Choi, Yoon Young 1998
- Chow, Tsaihua Jaimes 1955, 1979
- Clausen, Carl J. 1978
- Cicerone, Ralph J. 1994
- Clayton, Donald 1993
- Clemens-Knott, Diane 1997
- Commission de la Carte Géologique du Monde 1981
- Condon Society 1983
- Consolidated Engineering 1950, 1952
- Continental Oil Company 1958
- Cook, Jack 1982
- Cook, Lester 1982
- Cooper, Dan M. 1986
- Coplen, T. 1978
- Corless, James T. 1964
- Corning Glass Works 1956
- Correns, Carl W. 1955
- Courtillot, Vincent 1994
- Cox, Alan 1981
- Crowell, John C. 1958
- Criswell, David R. 1976, 1977
- CRC Press, Inc. 1979, 1982
- Cross, Carroll E. 1993
- Curry, William B. 1989
- Curtis, Garniss 1994

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- Daugherty, Robert L. 1978
- Davidson, Norman 1960
- Davis, George H. 1982
- Davis, Raymond, Jr. 1977
- Davis, W. B. 1980
- De Ford, Ronald K. 1959
- Dees, Bowen C. 1957
- de Groot, Pier 1998
- Delaney, Margaret Lois 1983
- Delmar Scientific Laboratories 1955
- Densmore, Morris A. 1987
- Dent, Sydney undated
- DeVere, Dinah 1982
- Deuser, Werner G. 1966
- de Vries, Hessel 1959
- Dickey, John S. 1979
- Dickinson, William R. 1982, 1983
- Dietrich, John 1983
- Dibeler, Vernon H. 1955
- Dickson, Frank W. 1954
- Djerassi, Carl 1982, 1983
- Dobson, Pat 1988
- Dodd, James R. 1963
- Doe, Bruce R. 1967
- Domingues Oliveira, Margarete 1993
- Donahue, Tom 1994
- Doner, Landis W. 1982
- Donath, Fred A. 1967
- Doetravsky[?], J. 1962
- Doyle, Peter 1983
- Driesner, Thomas 1997
- Dubois, A. D. undated
- Dunne, Patrick, C. 1977
- Durham, Wyatt J. 1951

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Edward, John T. 1984-1985
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Eidelman, Amir 1979
Eiler, John M. 1994, 1996
Emerson, William K. 1954
Emiliani, Cesare 1958-1959, 1977-1978, 1989, 1993
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- Early, Tom 1973
- Edwards, Raymond R. 1957
- Ehleringer, James 1994
- Electro-Optical Systems, Inc. 1965
- Elehard undated
- Ellison, Samuel P., Jr. 1957
- Elsevier Science Publishers 1985
- Emery, K. O. 1956
- Encyclopedia Britannica Films Inc. 1951
- Englert, Peter A. J. 1992
- Enore [?] 1956
- Enrico Fermi Institute 1989
- Enright, Nancy 1981
- Epstein, Emanuel 1981
- Ericson, David B. 1984
- Eslinger, Eric V. 1985
- Ewing, Maurice 1956
- Experimental Mycology 1985

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- Fairbridge, Rhodes 1981
- Fall, Mamadou 1996
- Farmer, Lang G. 1987
- Faure, Gunter 1986
- Fein, Jay S. 1990
- Felton, J. R. 1959
- Fenselau, Catherine 1997
- Fisher, Al G. 1995, undated
- Folinsbee, R. E. 1959
- Fongliang, Jiang 1982, 1986
- Forster, Robert E. 1968
- Forester, Richard W. 1988
- Fortus 1998
- Foundation for Research into the Origin of Man 1979
- Francey, R. J. 1979
- Frakes, L. A. 1978
- Freeman, Gerald W. 1978
- Fritts, Harold C. 1974
- Fritz, P. 1983
- Fry, Brian 1978
- Fudali, Robert F. 1983
- Fuller, M. 1987
- unidentified F [Wilby A.] sender 1986

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- Galpert, Arni 1972
- Gao, Guoqiu 1993
- Garwin, Richard L. 1982
- Geodata Systems, Inc. 1969
- Gest, Howard 1979
- Getty Oil 1982
- Gibson, Everett K., Jr. 1975
- Gilbert, Charles 1987
- Gilbert, Meg 1984
- Gillis, Marvi B. 1958
- Ginsberg, Harold 1957, 1959
- Ginsberg, Karen 1979
- Ginsbuerg, Robert N. 1981
- Godfrey, Kerr 1997
- Gold, T. 1977
- Goldanskii, Vitalii I. 1987
- Goldberg, Edward G. 1959
- Gonfiantini, Roberto 1975
- Goncalves Leister, Adail Ricardo 1980
- Goodall, D. W. 1968
- Goodfellow, Wayne 1984
- Goresey, Ahmed El 1983, 1984
- Gorham, Peter 1989
- Goris, Joop 1990
- Gray, J. 1979
- Graf, Donald L. 1963, 1965
- Green, Ronald 1959
- Greenwood, Robert undated
- Grigorieff, W. W. 1951
- Grober, Frank 1979
- Groesz, Arnold 1979
- Grogan, Robert M. 1959
- Gromet, Peter 1977
- Gross, Grant M. 1962
- Grossman, Ethan 1982
- Grunenfelder, Marc 1964
- Guan, Yin 1983

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- Haggerty, Janet A. 1987
- Hall, D. H. 1978
- Hamilton, James 1995
- Handler, Philip 1981
- Hanson, Gilbert 1983
- Hare, P. E. 1958
- Hargreaves, J. K. 1977, 1986
- Harmon, Russ 1977, 1982
- Harrison, Mark 1989
- Hart, Stanley R. 1989
- Harvard Medical School 1967
- Helgeson, Harold C. 1967
- Helsley, Charles E. 1977
- Hendy, Chris 1977
- Herzog, L. F. 1955
- Hess, H. H. , 1962, 1965
- Hewett, Foster D. 1957
- Hewitt, David undated
- Hewitt, Foster 1973
- Heymann, Dieter 1972, 1984
- Higashi, Akira 1957
- Hill, Robert 1992
- Hill, M. N. 1959
- Hinnens, Noel W. 1977
- Hipple, J. A. 1951
- Hitchon, Brian 1986
- Hirner, Alfred 1982
- Ho, Tong-yun 1967
- Hoekstra, Henry R. 1955
- Hoernes, Stephan 1980
- Hole, Frank 1982
- Holland, H. D. 1979, 1989
- Hollin, John 1959
- Holt, R. B. 1950
- Honda, Masatake 1982
- Hoppe, Peter 1994
- Horberg, Leeland 1954
- Huang, Lin 1997
- Huang, Wen H. 1979
- Hubbs, Carl L. 1954
- Hubenschmidt, Debbie 1978
- Hughes, Dudley 1997
- Hughes Laboratories Chapter 1978
- Hulston, J. R. 1958
- Hurst, Andrew R. 1980
- Huss, Margaret A. 1995
- Hutcheon, Ian 1992
- Hutchinson, Clyde 1983, 1998
- Hutchison, R. 1981

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Isotope Geosciences 1984

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Ishida, Takanobu 1989, 1996, 1998

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- Ihinger, Phil 1985
- Ingerson, Earl 1960
- Inghram, Mark G. 1955, 1959
- Institute for Global Change Research & Education 1995
- International Nickel Company, The 1959
- Interscience Publishers, Inc. 1959
- Irvine, W. T. 1962
- Irving E. undated
- Irving E. (Ted) 1993, 1994
- Ito, Emi 1997

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Journal of Geology 1957-1958, 1960

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Journal of Isotope Geology 1959-1961

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- James, Harold L. 1955, 1958
- Jasper, John P. 1991
- Javitch, R. A. 1957
- Jercinovic, Michael J. 1982
- Jenner, Margot 1988
- Jinsheng, Yu 1992
- Jizba, Diane 1983
- Jonson, D. A. 1980
- Johnson, Mary 1977
- Johnson, Paul H. 1994
- Jones, Clive M. 1981
- Jones, Douglas 1978
- Joseph, Lionel 1954
- Jouzel, J. 1981
- Jowhar, T. N. 1980
- Juhlin, Homer 1966
- Junge, Christian 1960

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- Kagan, B. M. 1967
- Kamb, Barclay 1960, 1977
- Karrow, P. F. 1976, 1977
- Kaufman, Aaron 1997
- Kamen [?], Martin 1977
- Kaula, William M. 1983
- Kerr-McGee Corporation 1975
- Keil, Klaus 1968
- Kerrich, Robert 1984
- Khare, Bishun N. 1982
- Khesghi, Haroon S. 1991
- Kigoshi, K. 1982
- Killick, David 1982
- Killingley, John 1977
- Kim, Kyu Han 1983
- King, Elbert 1967
- Kinsman, J. J. 1964
- Kluwer Academic Press 1998
- Kochert, Gary 1982
- Kokke, Wilhelmus C. 1981
- Koltchanov, V. 1989
- Koomanoff, Fred 1986
- Konta, Jiri 1966
- Koplitz, Lynn Vogel 1987
- Kouvo, Olavi 1961
- Kratz, Ralph 1999
- Krauskopf, Konnie 1977
- Kuei-Ju, Li 1979
- Kuhn, Doris 1955
- Kulp, Laurence J. 1955
- Kullerud, Gunnar 1977
- Kuno, Hisashi 1965
- Kunzig, Robert 1988
- Kusakabe, Minoru 1980

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- Labeyrie, Laurent D. 1980
- Lafuun, M. undated
- Land, Lynton S. 1968, 1969
- Landergren, Sture 1960
- Lang, Anton 1977
- Langway, C. C. 1967
- Laves, F. 1968
- Lansgreari [?], Willi 1958
- Larso, Sven Åke 1979
- Lee, Paul W. 1993
- Leonhard, W. E. 1986
- Lerman, Juan Carlos 1974
- Leshin, Laurie 1997
- Letolle, R. 1977
- Leventhal, Joel S. 1968
- Liang, Bertrand 1983
- Libby, Leona Marshall 1973
- Librojo, Nieva T. 1986
- Lill, Gordon G. 1954, 1958
- Lin, Sheng Hsien 1980
- Lindsay, Gordon J. 1951
- Lipps, Jere H. 1983
- Littell, Emlen T. 1954
- Liu, Ti Lang 1982
- Llano, George A. 1958
- Loyd, Michael R. 1959, 1968
- Loader, Neil 1995
- Lodge, James P. 1955
- Longinelli, Antonio 1974
- Love, S. K. 1961
- Lovering, J. F. 1977
- Luetkehans, George H. 1953
- Luth, William C. 1959, 1993
- Lyon, G. L. 1979

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Marathon Oil Company 1964-1969

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Markell, E. A. 1962, 1966-1967

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Matthews, Alan 1976-1979, 1985, 1994

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McGraw-Hill Book Company 1958-1959, 1968-1969, 1977-1978

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McKee, Arthur 1992, 1998

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McKinnon, Shannon L. 1992-1993

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McMaster University, Canada 1967, 1972-1974

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Meteorological Society 1981-1984, 1986

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Miller, Randall 1983

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Muehlenbachs, Karlis 1979-1980, 1982

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Murray, James W. 1973, 1975

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Myers, Edward P. 1977, 1979

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M miscellaneous**Scope and Content Note**

- Maccini, John 1983
- MacCready, Paul B. 1954
- Macdougall, J. D. 1979
- Macfarlane, R. D. 1983
- Machavaram, Madhav 1997
- Machta, Lester 1956
- Mackenzie, F. T. 1969
- MacKinnon, Peter K. 1979, 1980
- Macko, Stephen A. 1996, undated
- Maestas, Yvette 1997
- Magany [?], Terry undated
- Magaritz, Mordeckai 1980
- Mageda, Toshiko K. 1956
- Maley, F. 1977
- Mainz, V. 1994
- Mann, W. B. 1981
- Manuel, Oliver K. 1993
- Mariotti, A. undated
- Marshall, Brian 1979
- Margulis, Lynn 1977
- Martin, Glen E. 1978, 1979
- Martell, E. A. 1957
- Mason undated
- Matsuo, Sadao 1991
- Mauersberger, Konrad 1992
- McCormick, Lucille 1952
- McCloskey, Chester M. 1959
- McDonald, James M. 1967
- McFadden, Bruce J. 1992
- McGill University 1955, 1967, 1977
- McLafferty, F. W. 1986
- McNaughton, Neal 1982
- Meade, Bob 1959
- Meier, Mark F. 1956
- Meinschein, W. G. 1962, 1977
- Meisburger, Edward 1960
- Menard, Bill 1977
- Mercer, J. H. 1979
- Merkel, Carolyn 1992
- Merivat, L. 1978
- Merrill, Russell B. 1975
- Meteoritics & Planetary Science 1996
- Meyerowitz, Elliot 1998
- Miller, Charles 1978
- Miller, Donald S. 1983
- Miller, H. C. 1956
- Miller, Stanley 1959, 1983
- Milton, Charles 1955
- Minagawa, Masao 1991
- Mingde, Li 1980
- Minitti, Michelle 1997
- Mittman, Scott 1977
- Miyake, Y. 1966, 1967
- Mizutani, Hiroshi 1991
- Mobil Research and Development Corporation 1980
- Mohler, Fred L. 1954, 1957, 1959
- Mokstad, C. S. 1957, 1959
- Monster, Jan 1958
- Mook, W. G. 1982
- Mooney, R. L. 1978
- Moorbath, Stephen 1979
- Moores, Eldridge M. 1994, 1995
- Moorman, William T. 1978
- Morrison, Joan undated
- Morrisroe, David W. 1977, 1978
- Moser, H. 1979
- Mukherjee, S. 1965
- Muehlberge [?], Bill 1977
- Mullane, Valerie M. 1985
- Murgatroyd, R. J. 1959
- Murty, Rama V. 1977
- unidentified M. [Clem S.] sender 1952
- unidentified M. [John] sender 1950

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- Nackowski, Matthew P. 1958
- Nagata, Takesi 1983
- Nagi, Bartholomew 1957
- Nash, Denise Nelson 1995
- Naudet, R. 1974
- Naron, Oded 1982
- Nelson, Robert M. 1957
- Neuman, J. 1955
- New Zealand Geological Survey 1959
- Newburgh, R. W. 1965
- Nief, G. 1959
- Nozawa, Tamotsu 1982

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- Oak Ridge Associated Universities 1983
- Oana, Shinya 1958, 1969
- Occidental Research Corporation 1981
- Ogata, K. 1968
- O' Leary, Marion H. 1977
- Olson, Eric 1978
- Olson, Roger H. 1978
- O'Nions, R. K. 1986
- Opdyke, Neil D. 1982
- Orr, Wilson L. 1959
- Oxford University Press 1986

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P miscellaneous

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- Palmer, Allison 1984
- Pandey, G. C. 1977
- Parsons, James B. 1951
- Pasadena Unified School District 1978, 1979
- Patinkin, Don 1984
- Paulson, Glenn 1984
- Payne, Bryan R. 1966
- Pecora, W. T. 1959
- Peck, Dallas L. 1965
- Pellas, Paul 1982
- Pendall, Elise 1997
- Perry, Eugene C. 1967
- Peterson, Bruce J. 1985
- Peterson, Donald N. 1984
- Peterson, Larry 1985
- Petit, Michel 1985
- Pettijohn, F. J. 1954
- Pfefferkon, Hermann W. 1997
- Phillips Petroleum Company 1958
- Piazza, George 1979
- Picciotto, E. 1959
- Pilkey, Orrin H. undated
- Piper, Randy 1979
- Pisciotto, Kenneth 1977
- Pizzarello, Sandra 1986, 1987
- Planta 1985
- Plummer, Niel L. 1994
- Ponnampereuma, Cyril 1978
- Potter, Russell 1977, 1978
- Price, Buford P. 1983
- Price, Douglas T. 1982
- Printing Control Services, Inc. 1978
- unidentified P. [Don] sender 1954

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- Raffalli, Gaëlle 1997
- Rafter, T. A. 1978
- Rakestraw, Norris W. 1963, 1992
- Ramesh 1986
- Ramsay, Bertrand O. 1981
- Randolph, Laura J. 1979
- Ransom, Jay Ellis 1976
- Reaves, Christopher 1983
- Reed, George W. 1977
- Reesman, Richard 1960
- Reidel Publishing Company 1984
- Reiss, Z. 1978
- Remington, Edward W. 1958
- Revalle, Roger 1959
- Rex, Robert 1956
- Richards, Arthur 1957
- Rigby, Keith J. 1985
- Rigsby, George P. 1958
- Ringwood 1979
- Riley, Allen N. 1957
- Robert, François 1996
- Robinson, Brian 1978
- Robinson, Bruce, Jr. 1968
- Roedder, Ed 1986
- Rona, Peter A. 1982
- Ronov, Alexander B. 1992
- Rouhi, Maureen A. 1997, 2000
- Rounick, Jim S. 1983
- Rowland, F. S. 1959
- Royal Society of Canada, The 1997
- Ruatta, Stephen A. 1982
- Rubey, William W. 1959
- Rubin, Meyer 1977
- Ruderman, Warren 1959
- Runcorn, Keith S. 1989
- Rundel, Philip W. 1986
- Ruth, Joseph 1983
- Rye, Robert O. 1967

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- Sackmann, Juliana 1998
- Sakai, H. 1977
- Samuel, D. 1960
- Sanders, Robert 1997
- Santos, Roberto Ventura 1994
- Saunders, W. H. 1989
- Schaeffer, O. A. 1966
- Schenck, Hubert G. 1957
- Schidlowski, M. 1985
- Schiffman, Peter 1987
- Schink, David R. 1964
- Schmitt, Harrison H. 1973
- Schoeinger, Margaret 1983, 1986
- Schoell, M. 1978
- Schoepe, Adolf 1997
- Schroeder, Genny [?] undated
- Schramm, Vern L. 1999
- Schultz, Ludolf 1983
- Schwarcz, Henry P. 1964
- Scientific American Magazine 1989
- Scott, R. undated
- S-Cubed company 1983
- Selo, Jean-Loïc 1994
- Sepkoski, John J. 1980
- Shackleton, N. J. 1985, undated
- Shapiro, Mark H. 1983
- Sharma, T. 1966, 1967
- Shaw, Denis M. 1958
- Sheppard, Simon M. F. 1967, 1979, 1992
- Shields, W. R. 1966
- Shoemaker, Eugene M. 1971, 1982
- Shukolyukov, Yu. A. undated
- Siever, Raymond 1959
- Silfer, Jeffrey A. 1992
- Simonoff, G. 1985
- Simons, Wilbur D. 1978
- Sivertsen, Barbara J. 1997
- Sieroty, Alan 1977
- Skinner, Brian J. 1977, 1978
- Silverman, Sol R. 1950, 1958
- Slattery, Michael W. 1993
- Slaughter, Bob H. 1978
- Smith, Allen H. 1968
- Smith, Bruce N. 1985
- Smith, John W. 1978
- Smith, Lewis R. I. 1978
- Smith, Patsy J. 1958, 1960
- Smith, Ruven S. 1958
- Snelling, Norman J. 1958
- Somayajulu, B. L. K. 1986
- Southern California Coastal Water Research Project 1979
- Society of Economic Paleontologists and Mineralogists (SEPM) 1981
- Spengler, Kenneth C. 1959
- Spire, Etienne 1958
- Springhorn, C. E. 1958
- Srivastava, Rajesh K. 1986, 1987
- Stites, James R. 1983
- Strock, Lester W. 1977
- Sugimoto, Atsuko 1994
- Sugarman, Nathan undated
- Swain, Tony 1979
- Swedish Royal Academy of Sciences 1980, 1981
- Switzer, George 1954
- Szecsody, Jim 1983

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- Talwani, Manik 1977
- Tatsumoto, Mitsunobu 1984
- Taylor, Bruce 1983
- Taylor, Bruce E. 1986
- Taylor, Richard P. 1982
- Texaco 1976
- Thomas, Lorna 1984
- Thompson, William J. 1958
- Thomson, W. W. 1949, 1962
- Tilles, David 1956
- Tilton, George R. 1957, undated
- Tombrello, Tom 1986
- Tomlinson, R. H. 1959
- Tongiorgi, Ezio 1965
- Toohey, Terrence J. 1977
- Torgersen, Thomas 1979
- Town Hall of California 1967
- Tredoux, Marian 1996
- Tribuna Magazine (Romania)1967
- Trimborn, P. 1979
- Tsai, Yi-Ben 1982
- Tudor, D. S. 1981
- Turner, Sandra Muhleman 1984
- Twiddy, Edward 1993

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Box 10, Folder 14 **U miscellaneous**

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- University of Arizona, The 1977
- University of California, Berkeley 1978, 1979
- University of California, Los Angeles 1977
- University of California, Riverside 1979
- University of California, Santa Barbara 1979
- University of Minnesota, Twin Cities 1981
- United States Department of Agriculture 1977
- United States Department of Commerce 1978, 1980
- United States Department of the Interior, Bureau of Land Management 1979
- United States Department of the Interior, Geological Survey 1978, 1980, 1985
- United States Department of the Interior, National Park Service 1979

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- Valentine, James W. 1959
- Valenzuela, Katherine 1993
- Vali, Muntaz S. S. S. 1996
- Valee, I. 1974
- Valley, John W. 1986
- van der Rijst, Henk 1983
- Van Cappellen, Philippe 1990
- Van Hook, Alexander 1976, 1984
- Veizer, Ján 1983, 1984
- Velsko, Carol 1984
- Vickers, William W. 1959, 1960
- Viehbock, F. 1966
- Visbeck, Martin 1998
- Visser, W. 1979
- Viswanath, K. 1979
- Vogt, Rochus 1984, undated
- Volkoff, G. M. 1978
- Vries, Hessel de 1959
- Vurgachu [?] 1979

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- Wager, Bill 1958, 1961
- Walker, Robert M. 1984
- Walker, Jerome 1983
- Wang, C. G. 1976
- Wasson, John 1978
- Watson, Janet 1983
- Waters, A. C. 1958
- Watkins, Carolyn 1973
- Webb, John 1981
- Webers, Jon 1966
- Wei, Kuo-Yen undated
- Weinberg, Steven 1979
- Weiser, Judith 1953
- Weiss, Ray Franklin 1964
- Welinstein, Sheila 1980
- Welker, Douglas 1977
- Wen, Jun-Shan 1988
- Went 1959
- Westphal, Michael I. 1996
- Weton, Ralph 1959
- Wetherill, George W. 1962
- Wetzel, K. 1983
- Wexler, Harry 1957
- Wickman, Frans E. 1966
- Wiesner, Jerome 1965
- Wigley, T. M. L. 1988
- Winkler, Helmut G. F. 1963
- Williams, Darcy 1977
- Williams, Milton 1958, 1959, 1960
- Wiley & Sons, Inc. 1957
- Wilson, H. D. B. 1956
- Wilson, John 1993
- Wilson, Mark R. 1987
- Wilson, Richard 1992
- Winchester, John W. 1958
- Winkler, Carl A. 1978
- Wolman, Gordon 1983
- Wolfsberg, Max 1972
- Wones, David R. 1979
- Woods Hole Oceanographic Institution 1980
- Woodcock, A. H. 1956, 1967
- Wright, Judith 1984
- Wyatt, Durham J. 1952

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- Yager, Donald E. undated
- Yang, Changshu 1989
- Yanshin, A. L. 1988
- Yoshiba, Gary T. 1987
- Young, Francis A. 1959

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- Zach, Manny 1997
- Zachariasen, W. H. 1959
- Zeller, Edward J. 1954
- Zemann, Josef 1980
- Zenger, Donald 1985
- Zheng, Cheng-hua 1994
- Zhou, Xinhua 1984
- Zinner, Ernst Kunibert 1996
- Zweig, George 1984
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Box 17, Folder 2	A search for isotopic variations in some terrestrial and meteoritic calcium 1963
Box 17, Folder 3	[Origin of the continents] probably 1965
Box 17, Folder 4	Geochemical implications of oxygen and hydrogen isotope fluctuation in hot spring water, fumarolic condensate and fluid inclusions 1966
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Box 17, Folder 6	D/H ratios for classes of compounds isolated from potato tube 1970
Box 17, Folder 7	Trace element analysis (cadmium) 1972
Box 17, Folder 8	The D/H ratio in water extracted from hydrous silica 1973
Box 17, Folder 9	The corrected oxygen isotope carbonate-water paleotemperature scale 1975
Box 17, Folder 10	Oxygen isotope ratios of sedimentary iron oxides 1976
Box 17, Folder 11	Degradability and carbon isotopic changes of primary effluent particulate organic carbon discharged to marine waters 1977
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- Box 23, Folder 39 "Climatic significance of the isotopic composition of hydrogen in plants," International conference on Stable Isotopes and Isotope Effects, France (See also: Series 7, Photos: group) 1999 Jun 21
- Box 23, Folder 40 Miscellaneous talk outlines undated

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	Department of Energy (DOE)
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