

# Guide to the Martin J. Klein Papers

MS 1866



compiled by William Massa

September 2007

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**CALL NUMBER:** MS 1866

**CREATOR:** Klein, Martin J.

**TITLE:** Martin J. Klein papers

**DATES:** 1951-2004

**PHYSICAL DESCRIPTION:** 8 linear feet

**LANGUAGE:** English

**SUMMARY:** The papers consist of teaching files in physics and history of science and medicine from Klein's years at Yale University; earlier teaching files are from Case Institute of Technology. Also included is documentation on the symposium to celebrate the sesquicentennial of J. Willard Gibbs's birth in May 1989. Correspondence, taped lectures given by Klein, and an oral history interview of Madeleine Michelson Mueller are also included in the papers.

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b.      box  
f.      folder

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## Administrative Information

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### Immediate Source of Acquisition

Gift of Martin J. Klein, 2005. Gift of the American Institute of Physics, 2007.

## Conditions Governing Access

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## Preferred Citation

Martin J. Klein Papers (MS 1866). Manuscripts and Archives, Yale University Library.

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## Biographical / Historical

Martin J. Klein was born on June 25, 1924, in New York City. He received his A.B. in 1942 and A.M. in 1944 from Columbia University, and his Ph.D. in physics from Massachusetts Institute of Technology in 1948. He was a member of the Operations Research Group for the U. S. Navy from 1945 to 1946. Klein returned to MIT in 1946 as a research associate in physics. From 1949 to 1967 he held various academic appointments in physics at Case Institute of Technology. He joined Yale in 1967 as professor of the history of physics and chaired the Department of History of Science and Medicine from 1971 to 1974. In 1974 he was named Eugene Higgins Professor of History of Physics and Professor of Physics. In 1991 he was named Bass Professor of the History of Science and Professor of Physics. He retired from Yale in 1999. Klein published on the history of physics and biographies of prominent physicists including Albert Einstein, Paul Ehrenfest, and J. Willard Gibbs. In 2005 Klein received the American Physical Society/American Institute of Physics's Abraham Pais Prize for the History of Physics for his research in nineteenth- and twentieth-century physics.

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## Scope and Contents

The papers consist of teaching files in physics and history of science and medicine from Klein's years at Yale University; earlier teaching files are from Case Institute of Technology. Also included is documentation on the symposium to celebrate the sesquicentennial of J. Willard Gibbs's birth in May 1989. Correspondence, taped lectures given by Klein, and an oral history interview of Madeleine Michelson Mueller are also included in the papers.

## Collection Contents

### Inventory, 1954-1996, undated

b. 1, f. 1 - 3	DeVane Lecture	1979-1980
b. 1, f. 4	Statistical Mechanics 2	undated
b. 1, f. 5	College Seminar, Jonathan Edwards College, Yale University	1971-1972
b. 1, f. 6 - 7	Modern Physics (P-10)	1960-1965
	Mechanics	
b. 1, f. 8 - 9	1 (P-111)	1964-1966
b. 1, f. 10 - 11	2 (P-112)	1965-1966
	Quantum Mechanics	
b. 1, f. 12 - 13	P-203	1960-1964
b. 1, f. 14 - 15	P-204	1963-1964
b. 1, f. 16	Statistical Thermodynamics (P-223)	1961
	Physics	
b. 1, f. 17 - 19	36a, Statistical Thermodynamics	1971-1976
b. 1, f. 20 - 22	38a, Analytical Mechanics	1968-1970, 1973
b. 2, f. 23 - 24	110a, Space, Time and Motion	1981-1982
b. 2, f. 25	151b	1989
b. 2, f. 26 - 29	410a, Classical Mechanics	1983-1984
b. 2, f. 30	420a, Statistical Thermodynamics	1976-1977
b. 2, f. 31	512b, Statistical Physics	1981
b. 2, f. 32 - 33	660a, Statistical Mechanics; course was taught in 1978, includes teaching files on Statistical Thermodynamics from 1954 to 1976	1954-1978
b. 2, f. 34	669b	1986
	History of Science	
b. 2, f. 35 - 36	144a, History of Quantum Physics	1971-1974
b. 2, f. 37	172a, Mechanism Seminar	1973
b. 2, f. 38 - 41	421a, From Galileo to Newton and Emergence of Modern Physics	1984, 1988-1994
b. 2, f. 42	421b, Motion and the Scientific Revolution	1989
b. 2, f. 43	431a, Physics and Physicists of the Early Twentieth Century	1986-1987

## History of Science (continued)

b. 2, f. 44	431b, Einstein and Others	1987, 1991-1996
b. 3, f. 45	872b, Seminar in the History of Modern Physics	1983
History of Science and Medicine		
b. 3, f. 46 - 49	10b, 110b, Introduction to the History of the Physical Sciences Since 1600	1969-1972
b. 3, f. 50 - 56	25, 123a, The Emergence of Modern Physics	1972, 1977
b. 3, f. 57 - 58	110a, History and Science: An Introduction	1986-1988
b. 3, f. 59	164a	1974
b. 3, f. 60 - 63	421a, The Emergence of Modern Physics	1977, 1984
b. 3, f. 64 - 66	421b, Motion and the Scientific Revolution	1986, 1988-1989
b. 3, f. 67 - 71	431b, Physics and Physicists of the Early Twentieth Century	1981, 1982, 1983, 1985, 1991
b. 3, f. 72	Examinations	1976-1978
b. 3, f. 73	Yale graduate program in history of science and medicine	1992
b. 3, f. 74	Gibbs symposium (150th anniversary of the birth of J. Willard Gibbs)	1988-1989

**Accession 2007-M-088: Additional Material, 1951-2004**

	Correspondence	1961-2004
b. 1, f. 1 - 9	General, A-Z	1961-1967
b. 1, f. 10	General, A	1969-1990
b. 1, f. 11	Aaboe, Asger	1964-1991
b. 1, f. 12	Académie des Sciences	1991-1992
b. 1, f. 13	American Elsevier (Watson, Neale)	1970-1972
b. 1, f. 14	American Journal of Physics	1971-1993
b. 1, f. 15	American Philosophical Society	1968-1993
b. 1, f. 16	American Physical Society	1991
b. 1, f. 17	American Scientist	1970-1971, 1989
b. 1, f. 18 - 19	General, B	1969-1997
b. 1, f. 20	Bailey, Herbert S.	1970-1980
b. 1, f. 21	Bernstein, Howard R.	1977-1994
b. 1, f. 22	Blackmore, John	1970-1971
b. 1, f. 23	Blanpied, William A.	1970-1974
b. 1, f. 24	Blotzmann, Ludwig, lectures by	1983
b. 1, f. 25	Brandt, Werner	1968-1981
b. 1, f. 26	Bromberg, Joan	1968-1983
b. 2, f. 27	Brush, Stephen G.	1968-1988
b. 2, f. 28	Buchwald, Jed Z.	1978-1992
b. 2, f. 29	Burgers, Jan	1968-1972
b. 2, f. 30	General, C	1969-1998
b. 2, f. 31	Carrick, Bruce R.	1985-1991
b. 2, f. 32	General, D	1969-1997
b. 2, f. 33	Daub, Edward E.	1968-1970
b. 2, f. 34	DeGroot, Sybren R.	1968-1984
b. 2, f. 35	Deltete, Robert J.	1982-1997
b. 2, f. 36	Dictionary of Scientific Biography	1967- 1984
b. 2, f. 37	Dukas, Helen	1968-1978

## Correspondence (continued)

b. 2, f. 38	General, E	1970-1992
b. 2, f. 39	Ehrenfest, Paul	1994
b. 2, f. 40	Einsten, Albert, correspondence about	1992- 2004
b. 2, f. 41	Ellis, R. Hobart	1968-1969
b. 2, f. 42	Emery, Guy T.	1990- 1992
b. 2, f. 43	General, F	1968-1993
b. 2, f. 44	Farm Hall	1992- 1993
b. 2, f. 45	Finn, Bernard S.	1968-1978
b. 2, f. 46	Forman, Paul	1968-1986
b. 2, f. 47	Frank, M.D. (North-Holland Pub. Co.)	1959-1997
b. 2, f. 48	French, A.P.	1977- 1983
b. 2, f. 49	General, G	1969-1999
b. 2, f. 50	Garber, Elizabeth	1968-1989
b. 2, f. 51	Gentieu, Norman P.	1984
b. 2, f. 52	Gould, Laurence	1981- 1991
b. 2, f. 53	Greenberg, Daniel	1970
b. 2, f. 54 - 55	John Simon Guggenheim Memorial Foundation, includes reviews	1978-1990
b. 2, f. 56	General, H	1968-1997
b. 3, f. 57	Halpern, Otto	1968
b. 3, f. 58	Harmon, Peter Michael (formerly Heimann)	1969-1994
b. 3, f. 59	Heilbron, John	1969-1988
b. 3, f. 60	Heilbron, John, includes National Academy of Sciences	1969-1988
b. 3, f. 61	Heims, Steven P.	1969-1969
b. 3, f. 62	History of Medicine	1989
b. 3, f. 63	History of Physics Newsletter	1989-1991
b. 3, f. 64	Holton, Gerald	1968-1999
b. 3, f. 65	Howard, John N.	1969-1988
b. 3, f. 66 - 68	General, I-K	1968- 1992
b. 3, f. 69	Kidwell, Peggy	1975-1991
	Klein, Martin J.	



## Correspondence &gt; Klein, Martin J. (continued)

b. 3, f. 70	Talks	2004
b. 3, f. 71	Retirement	2000
b. 3, f. 72	Knudsen, Ole	1972- 2004
b. 3, f. 73	Kox, Anne J.	1975- 1992
b. 3, f. 74	Kranzberg, Melvin	1968- 1990
b. 3, f. 75	Kuhn, Thomas S.	1968- 1988
b. 3, f. 76	General, L A copy of this material is available in digital form from Manuscripts and Archives. Contact Manuscripts and Archives at <a href="mailto:mssa.assist@yale.edu">mssa.assist@yale.edu</a> to request access to the digital copy.	1969- 1999
b. 3, f. 77	Leff, Harvey S.	1968- 1997
b. 3, f. 78 - 79	General, M	1969-1991
b. 3, f. 80-80a	McCormmach, Russell	1965- 1995
b. 4, f. 81	Mahoney, Michael S.	1972- 1973
b. 4, f. 82	Meijer, Paul H.E.	1963- 1995
b. 4, f. 83	Melcher, Horst	1977- 1979
b. 4, f. 84	Miller, Arthur I.	1975- 1987
b. 4, f. 85	Minnesota, University of, and Case Western Reserve University	1979- 1983
b. 4, f. 86	Multhauf, Robert P.	1969- 1979
b. 4, f. 87	General, N	1968- 1999
b. 4, f. 88	Nathan, Otto	1968-1979
b. 4, f. 89	National Academy of Sciences	1977- 1988
b. 4, f. 90	National Research Council	1951- 1953
b. 4, f. 91	Nernst, W., papers of	1991
b. 4, f. 92	Niels Bohr Centenary Symposium	1985
b. 4, f. 93	General, O	1968- 1993
b. 4, f. 94	Overmann, Ronald J.	1979- 1991
b. 4, f. 95	General, P	1968- 1998
b. 4, f. 96	Pais, Abraham	1977- 1991
b. 4, f. 97	General, R	1969-1996
b. 4, f. 98	Rijksarchief, Algemeen	1969

## Correspondence (continued)

b. 4, f. 99	Recommendations	1969- 1992
b. 4, f. 100	Rosenfeld, L.	1969- 1971
b. 4, f. 101 - 102	General, S	1968- 2004
b. 4, f. 103	Scribner, Charles	1968- 1974
b. 4, f. 104	Seitz, Frederick	1974- 1990
b. 4, f. 105	Shapiro, Alan E.	1970- 1990
b. 4, f. 106	Shankland, Robert S.	1968- 1982
b. 4, f. 107	Stachel, John	1975- 1987
b. 4, f. 108	Stein, Howard	1970- 1989
b. 4, f. 109	Stenwer, Roger H.	1969- 1989
b. 5, f. 110	General, T	1968- 1999
b. 5, f. 111	Teaching-student letters	1984
b. 5, f. 112	Trappeniers, N.J.	1968- 1974
b. 5, f. 113	Truesdell, Clifford	1971- 1989
b. 5, f. 114 - 115	General, U-V	1968-1998
b. 5, f. 116	Van der Star, P.	1968- 1977
b. 5, f. 117	Vogel, David H.	1970
b. 5, f. 118	Von Bommel-Ehrenfest, Anna	1969- 1979
b. 5, f. 119	General, W	1969- 1996
b. 5, f. 120	Walter, Mark	1983- 1988
b. 5, f. 121	Weiner, Charles	1968- 1974
b. 5, f. 122	Wheeler, John A.	1968- 1985
b. 5, f. 123	General, X-Z	1969- 1997
b. 5, f. 124 - 125	Lecture notebooks	1957- 1969
b. 5, f. 126	Concepts in contemporary science	1969
b. 5, f. 127	Newtoniana	1969- 1976
b. 5, f. 128	International school of physics "Enrico Fermi," Varenna, Italy	1972
b. 5, f. 129	Sadi Carnot papers and lectures	1974
b. 5, f. 130	Newton seminar	1976
b. 5, f. 131 - 132	Devane lecture course	1978- 1980

## Correspondence (continued)

b. 5, f. 133	History of science, course 119	1989- 1990
b. 5, f. 134 - 135	Bass program in western civilization	1991-1992
b. 6	Lectures given by Klein <i>1 Audiocassette</i>  Original audiovisual materials, as well as preservation and duplicating masters, may not be played. Researchers must consult use copies, or if none exist must pay for a use copy, which is retained by the repository. Researchers wishing to obtain an additional copy for their personal use should consult Copying Services information on the Manuscripts and Archives web site.	Circa 1980-1993
b. 7	Lectures given by Klein <i>1 Audiocassette</i>  Original audiovisual materials, as well as preservation and duplicating masters, may not be played. Researchers must consult use copies, or if none exist must pay for a use copy, which is retained by the repository. Researchers wishing to obtain an additional copy for their personal use should consult Copying Services information on the Manuscripts and Archives web site.	Circa 1980-1993
b. 8	Lectures given by Klein <i>1 Audiocassette</i>  Original audiovisual materials, as well as preservation and duplicating masters, may not be played. Researchers must consult use copies, or if none exist must pay for a use copy, which is retained by the repository. Researchers wishing to obtain an additional copy for their personal use should consult Copying Services information on the Manuscripts and Archives web site.	Circa 1980-1993
b. 9	HHH Lecture Series, Cosmology, Quantum Physics and Consciousness <i>1 Audiocassette</i>  Original audiovisual materials, as well as preservation and duplicating masters, may not be played. Researchers must consult use copies, or if none exist must pay for a use copy, which is retained by the repository. Researchers wishing to obtain an additional copy for their personal use should consult Copying Services information on the Manuscripts and Archives web site.	1981 October 20
b. 10-11	Mueller, Madeleine Michelson, oral history interview, Nicholas Georgis interviewer [poor quality] <i>2 Audiocassettes</i>  Original audiovisual materials, as well as preservation and duplicating masters, may not be played. Researchers must consult use copies, or if none exist must pay for a use copy, which is retained by the repository. Researchers wishing to obtain an additional copy for their personal use should consult Copying Services information on the Manuscripts and Archives web site.	1989

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