

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
John Werner Abrams fonds						
Biographical Information and Educational Background series						
Textual	MG31 J 16	1	1	John W. Abrams Curriculum Vitae		1968
Textual	MG31 J 16	1	2	"In HI at 12. John Abrams, boy of 12 is Galileo pupil. Youngest freshman plans to study Chemistry"	Xerox copy of newspaper article, Volume 2, No. 25.	1 March 1926
Textual	MG31 J 16	1	3	"Jack Abrams Twelve Years Old, Youngest Galileo Freshmen"	Article in the <u>Galileo Pendulum</u> , published by the newswriting class of Galileo High School, San Francisco, California, Vol. VI, No. 7.	5 April 1926
Textual	MG31 J 16	1	4	Letter of Sophia H Levy to Dean Deutsch	Letter of Sophia H Levy to Dean Deutsch, allowing John Abrams to take oral examination on account of near blindness (no date), plus explanatory note by Dr. Norman R. Ball, Engineering archivist, P.A.C. (1982).	n.d., 1982
Textual	MG31 J 16	1	5	John Werner Abrams, Official Transcript of Record, University of California	Xerox copy, 5 pages.	n.d.
Textual	MG31 J 16	1	6	John W. Abrams, Scholastic Record at the University of California	Includes course number and instructor. Carbon typescript, 2 pages.	1929-1935
Textual	MG31 J 16	1	7	John W. Abrams, Defence Research Board, Certificate of Transfer		14 November 1951
Textual	MG31 J 16	1	8	John W. Abrams, Defence Research Board	Confidential information relating to Government employment, 2 pages.	1953
Textual	MG31 J 16	1	9	John W. Abrams, Defence Research Board, Certificate of appointment		7 January 1953
Textual	MG31 J 16	1	10	John W. Abrams, Defence Research Board, Certificate of employment		16 October 1953
Textual	MG31 J 16	1	11	John W. Abrams, Defence Research Board, Certificate of appointment		14 April 1953
Textual	MG31 J 16	1	12	John W. Abrams, Certificate of appointment		15 June 1954
Textual	MG31 J 16	1	13	John W. Abrams, Defence Research Board, Certificate of appointment		19 October 1954
Textual	MG31 J 16	1	14	John W. Abrams, Government of Canada - Personal history form		1955
Textual	MG31 J 16	1	15	Biographical Sketch titled: Dr. John W. Abrams	Biographical sketch, titled: Dr. John W. Abrams, Chief of Operational Research, Defence Research Board. Two versions included, 2 pages each. Also included is a National Defence Armed Forces news announcement that J. W. Abrams has been appointed Chief of Operational Research for DRB.	1962
Textual	MG31 J 16	49	1	J.W. Abrams - Various CV's and biographical information		[ca. 1965]
Education						
Textual	MG31 J 16	1	16	J. W. Abrams, Galileo High School - English compositions		1929
Textual	MG31 J 16	1	17	J. W. Abrams, "The Relation of Chemistry to National Defence"	Various drafts of San Francisco Public School Bulletin, Volume 1, No. 7.	1930
Textual	MG31 J 16	1	18	J. W. Abrams, University of California - Various courses		1932
Textual	MG31 J 16	1	19	J. W. Abrams, University of California - Various course examinations		1932-1935
Textual	MG31 J 16	1	20	J. W. Abrams, University of California - Astronomy Observations Chart		1932
Textual	MG31 J 16	1	21	J. W. Abrams, University of California - Astronomy Observations of Orbit, Comet Whipple		1933
Textual	MG31 J 16	1	22	J. W. Abrams, University of California - Astronomy Course 1 - Notes and problems		1930-1931
Textual	MG31 J 16	1	23	J. W. Abrams, University of California - Astronomy Course 104 - Notes and problems		1932-1933
Textual	MG31 J 16	1	24	J. W. Abrams, University of California, Astronomy Course 103A - Notes and problems		1932-1933

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Textual	MG31 J 16	1	25	J. W. Abrams, University of California, Astronomy Course 103B - Notes and problems		1932-1933
Textual	MG31 J 16	1	26	J. W. Abrams, University of California, Astronomy Course 104B - Notes and problems		1932-1933
Textual	MG31 J 16	1	27	J. W. Abrams, University of California, Astronomy Course 107 - Notes and problems		1932-1933
Textual	MG31 J 16	1	28	J. W. Abrams, University of California, Astronomy Course 108B - Notes and problems		1932-1933
Textual	MG31 J 16	1	29	J. W. Abrams, University of California, Chemistry Course 6B - Notebook		1930-1931
Textual	MG31 J 16	1	30	J. W. Abrams, University of California, Chemistry Course 110 - Notes and problems		1931-1932
Textual	MG31 J 16	1	31	J. W. Abrams, University of California, History course - Notes and problems		1932-1933
Textual	MG31 J 16	1	32	J. W. Abrams, University of California, Mathematics course 110A - Notebook		1931-1932
Textual	MG31 J 16	1	33	J. W. Abrams, University of California, Mathematics course 110A and B - Notes and problems		1931-1932
Textual	MG31 J 16	1	34	J. W. Abrams, University of California, Military course 154B - Notes and problems		1931-1932
Textual	MG31 J 16	1	35	J. W. Abrams, University of California, Physics course 110A - Notebook		1931-1932
Textual	MG31 J 16	1	36	J. W. Abrams, University of California, Physics course 111A and B - Notebook, problems and course outline		1931-1932
Textual	MG31 J 16	1	37	J. W. Abrams, University of California, Physics course 111B - Notes and problems		1931-1932
Textual	MG31 J 16	1	38	J. W. Abrams, University of California, Physics course 105A - Notes and problems		1932-1933
Textual	MG31 J 16	1	39	J. W. Abrams, University of California, Physics course 108A and B - Notes and problems		1932-1933
Textual	MG31 J 16	1	40	J. W. Abrams, University of California, Physics course 208A - Notes and problems		1937
Textual	MG31 J 16	1	41	J. W. Abrams, University of California, Physics course 205A - Notes and problems		1937-1938
Textual	MG31 J 16	1	42	J. W. Abrams, University of California, Physics course 211 - Notes and problems		1933-1934
Textual	MG31 J 16	1	43	J. W. Abrams, University of California - Notebook		n.d.
Textual	MG31 J 16	1	44	J. W. Abrams, University of California - Course essay, "The Stark Effect"		n.d.
Textual	MG31 J 16	1	45	J. W. Abrams, University of California - Course essay, "Active Nitrogen"		n.d.
Textual	MG31 J 16	1	46	J. W. Abrams, University of California - Translation of K. Schwarzschild's "On Diffusion and Absorption in the Sun's Atmosphere"		n.d.
Textual	MG31 J 16	1	47	J. W. Abrams, University of California - Book review of A.C. Laut's "Pioneers of the Pacific Coast"		n.d.
Textual	MG31 J 16	1	48	R.P. Foster, "The Solar Motion with Respect to the Red Stars" - Observations and paper		1932?
Textual	MG31 J 16	1	49	J. W. Abrams, University of California, Astronomy Courses 217 and 218 - Notes and problems		1937-1938
Textual	MG31 J 16	1	50	J. W. Abrams, University of California, Astronomy Course 217 - Notebook		1937-1938
Textual	MG31 J 16	1	51	J. W. Abrams, University of California, Astronomy Course 217A - Notebooks, part 1		1937-1938
Textual	MG31 J 16	1	52	J. W. Abrams, University of California, Astronomy Course 217A - Notebooks, part 2		1937-1938
Textual	MG31 J 16	2	1	J. W. Abrams, University of California, Astronomy Course 217A - Notebooks, part 3		1937-1938
Textual	MG31 J 16	2	2	J. W. Abrams, University of California, Astronomy Course 217A - Notebooks, part 4		1937-1938

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Textual	MG31 J 16	2	3	J. W. Abrams, University of California, Astronomy Course 217A - Notebook		1937-1938
Textual	MG31 J 16	2	4	J. W. Abrams, University of California, Astronomy Course 217B - Notebook		1937-1938
Textual	MG31 J 16	2	5	J. W. Abrams, University of California, Astronomy Course 217B - Notebook		1937-1938
Textual	MG31 J 16	2	6	J. W. Abrams, University of California, Astronomy Course 218 - Notebook		1937-1938
Textual	MG31 J 16	2	7	J. W. Abrams, University of California, Astronomy Course 218A - Notebook		1937-1938
Textual	MG31 J 16	2	8	J. W. Abrams, University of California, Astronomy Course 218A - Outline of paper, "Transfer of Radiation in a Star"		1937-1938
Textual	MG31 J 16	2	9	J. W. Abrams, University of California, Astronomy Course 218B - Notes and problems		1937-1938
Textual	MG31 J 16	2	10	J. W. Abrams, University of California, Education Course III - Notebook		n.d.
Textual	MG31 J 16	2	11	J. W. Abrams, University of California, Education Course - Notebook		n.d.
Textual	MG31 J 16	2	12	J. W. Abrams, University of California, Education Course - Notebook		n.d.
Textual	MG31 J 16	2	13	J. W. Abrams, University of California, Mathematic Course 270 - Notebook		1938-1939
Textual	MG31 J 16	2	14	J. W. Abrams, University of California, Physics Course 112 - Notebook, notes and problems		1937-1938
Textual	MG31 J 16	2	15	J. W. Abrams, University of California, Physics Course 205A - Notebook		1937-1938
Textual	MG31 J 16	2	16	J. W. Abrams, University of California, Physics Course 205B - Notebook		1937-1938
Textual	MG31 J 16	2	17	J. W. Abrams, University of California, Physics Course 208A - Notebook		1937-1938
Textual	MG31 J 16	2	18	J. W. Abrams, University of California, Physics Course 208A - Notebook		1937-1938
Textual	MG31 J 16	3	1	J. W. Abrams, University of California, Physics Course 208A - Notebook		1937-1938
Textual	MG31 J 16	3	2	J. W. Abrams, University of California, Physics Course 208B - Notebook		1937-1938
Textual	MG31 J 16	3	3	J. W. Abrams, University of California, Physics Course 208B - Notebook		1937-1938
Textual	MG31 J 16	3	4	J. W. Abrams, University of California, Physics Course 215B - Notebook and course reading list		1937-1938
Textual	MG31 J 16	3	5	J. W. Abrams, "Should the Junior College Science Instructor Have the Ph.D. Degree"	Typescript, 12 pages.	1939
Textual	MG31 J 16	3	6	J. W. Abrams, University of California - "A Model Astronomy Course for Junior College"		n.d.
Textual	MG31 J 16	3	7	J. W. Abrams, University of California - Miscellaneous		n.d.
Textual	MG31 J 16	3	8	J. W. Abrams, University of California - Ph.D. Statistical Astrophysics notes, part B (there is no part A)		1939
Textual	MG31 J 16	3	9	J. W. Abrams, University of California - Ph.D. Statistical Astrophysics notes, part C		1939
Textual	MG31 J 16	3	10	J. W. Abrams, University of California - Ph.D. Statistical Astrophysics notes, part D		1939
Textual	MG31 J 16	3	11	J. W. Abrams, University of California - Ph.D. Statistical Astrophysics notes, part E		1939
Textual	MG31 J 16	3	12	J. W. Abrams, University of California - Ph.D. Statistical Astrophysics notes, part F		1939
Textual	MG31 J 16	3	13	J. W. Abrams, University of California - Ph.D. Statistical Astrophysics notes, part G		1939
Textual	MG31 J 16	3	14	J. W. Abrams, University of California - Ph.D. Statistical Astrophysics notes, part H		1939

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	3	15	J. W. Abrams, University of California - Ph.D. dissertation	Includes notes, drafts, Scholastic record.	1933
Textual	MG31 J 16	3	16	J. W. Abrams, University of California - Ph.D. dissertation	Notes, observations, calculations.	[ca. 1933]
Textual	MG31 J 16	49	2	J.W. Abrams, University of California, Astronomy Course 218B	Lecture notes by Professor R.J. Trumpler, blueprint and photocopy. Approximately 60 pages.	n.d.
Textual	MG31 J 16	49	3	J.W. Abrams, University of California, Extension Division - American Institutions Course X7A and X7B, part I	Assignments by Professor R.G. Gettel, mimeographed typescript.	n.d.
Textual	MG31 J 16	49	4	J.W. Abrams, University of California, Extension Division - American Institutions Course X7A and X7B, part 2	Assignments by Professor R.G. Gettel, mimeographed typescript.	n.d.
Textual	MG31 J 16	49	5	J.W. Abrams, University of California - American Political Institutions Course 101	Syllabus by Professor P.O. Ray, typescript, 62 pages.	n.d.
Textual	MG31 J 16	49	6	J.W. Abrams, University of California - Various courses, lecture notes		1929
Textual	MG31 J 16	49	7	J.W. Abrams, University of California - Astronomy Course 1 - Notebook		1935
Textual	MG31 J 16	49	8	J.W. Abrams, University of California, Physics Course 215A - Notebook		1935
Textual	MG31 J 16	49	9	J.W. Abrams, University of California - Observatory notes		1936
Textual	MG31 J 16	49	10	J.W. Abrams, Lick Observatory - Paper on Luminosity of Stars	Paper on Luminosity of Stars, typescript, 32 pages (three annotated copies).	n.d.
Textual	MG31 J 16	49	11	J.W. Abrams, University of California (Lick Observatory) - Astronomical Observations and Calculations manuscript	Manuscript, approximately 100 pages.	[ca. 1938]
Textual	MG31 J 16	49	12	J.W. Abrams, University of California - Physics Course 112, part 1	Lecture notes by Professor Loeb, mimeographed typescript.	1938
Textual	MG31 J 16	49	13	J.W. Abrams, University of California - Physics Course 112, part 2	Lecture notes by Professor Loeb, mimeographed typescript.	1938
Textual	MG31 J 16	49	14	J.W. Abrams, University of California - Astronomy Course 1A and Physics Courses 105A and 208B	Examinations and problem sheets.	1939-1940
Textual	MG31 J 16	49	15	J.W. Abrams, University of California - "Parabola Method of Positive Ray Analysis"	Paper written for Chemistry Course 110, typescript, 4 pages.	n.d.
Textual	MG31 J 16	49	16	Russell, J.A., "The Mean Parallax of the Stars Of Spectral Classes 139-AZ and of Apparent Magnitude 3.01-4.00"	Paper written for Astronomy 218A, manuscript, 9 pages.	1937
Textual	MG31 J 16	3	17--19	J. W. Abrams, Harvard University - Summer Observatory School - Notes		1936
Textual	MG31 J 16	49	17	Harvard Observatory Mimeograms, Series III, no. 1, "Visual Magnitude of Bright Stars Reduced to the Harvard Photovisual System, 0n to 11n", Cambridge (Mass.)	Typescript, 100 pages.	1938
Textual	MG31 J 16	49	18	Harvard Observatory Mimeograms, Series III, no. 2, "Visual Magnitude of Bright Stars Reduced to the Harvard Photovisual System, 12n to 23n", Cambridge (Mass.)	Typescript, 110 pages.	1938
Textual	MG31 J 16	3	20	J. W. Abrams, Royal Canadian Air Force training notes, part 1		1941-1942
Textual	MG31 J 16	3	21	J. W. Abrams, Royal Canadian Air Force training notes, part 2		1941-1942
Textual	MG31 J 16	4	1--4	J. W. Abrams, University of London - History of Science - Notebook		1949-1951
Textual	MG31 J 16	4	5--7	J. W. Abrams, University of London - History of Science - Biology - Notebook		1949-1951
Textual	MG31 J 16	4	8	J. W. Abrams, University of London - History of Science - Physics - Notebook		1949-1951
Textual	MG31 J 16	4	9--10	J. W. Abrams, University of London - History of Science - Astronomy, Professor Armitage - Notebook		1949-1951
Textual	MG31 J 16	4	11--12	J. W. Abrams, University of London - History of Science - Modern Historical Astronomy, Professor Dingle - Notebook		1949-1951
Textual	MG31 J 16	4	13--14	J. W. Abrams, University of London - History of Science - Biology, Professor Underwood - Notebook		1949-1951
Textual	MG31 J 16	4 5	15 1--3	J. W. Abrams, University of London - History of Science - Chemistry, Professor McKie - Notebook		1949-1951
Textual	MG31 J 16	5	4--6	J. W. Abrams, University of London - History of Science - Electricity and Magnetism, Professor Heathcote - Notebook		1949-1951

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Textual	MG31 J 16	5	7	J. W. Abrams, University of London - History of Science and Light - Notebook		1949-1951
Textual	MG31 J 16	5	8	J. W. Abrams, University of London - History of Science - Mediaeval to Modern Thought, Professor Crombie - Notebook		1949-1951
Textual	MG31 J 16	5	9--10	J. W. Abrams, University of London - History of Science - Philosophy of Science, Professor Dingle - Notebook		1949-1951
Textual	MG31 J 16	5	11	J. W. Abrams, University of London - History of Science - Modern Mathematics, Professor Wren - Notebook		1949-1951
Teaching series						
Textual	MG31 J 16	5	12	J.W. Abrams - Princeton University - Conference on Science in General Education		1947
Textual	MG31 J 16	5	13	American Council on Education Studies - A Design for General Education		1944
Textual	MG31 J 16	5	14	Amherst College - Report of the Faculty Committee on Long Range Policy		1945
Textual	MG31 J 16	5	15	Amherst College - Amherst Alumni Council News, Volume XVIII, No. 3		1945
Textual	MG31 J 16	5	16	Colgate University - Physical Science student notes, part 1		1946
Textual	MG31 J 16	5	17	Florida State University - Basic Mathematics for General Education		1948
Textual	MG31 J 16	6	1	Michigan State College - Syllabus of Lectures and Laboratory Exercises in Physical Science, First Term		1945
Textual	MG31 J 16	6	2	Michigan State College - Syllabus of Lectures and Laboratory Exercises in Physical Science, Second Term		1945
Textual	MG31 J 16	6	3	Michigan State College - Syllabus of Lectures and Laboratory Exercises in Physical Science, Third Term		1946
Textual	MG31 J 16	6	4	Florida State University - Syllabus for the General Education Area of Physical Science		1948
Textual	MG31 J 16	6	5	Junior College - Readings		n.d.
Textual	MG31 J 16	6	6	Princeton University, Conference on Natural Sciences in the Liberal Arts		1945
Textual	MG31 J 16	6	7	University of Chicago - Physical Sciences 3 - Comprehensive Examinations		1944, 1946
Textual	MG31 J 16	6	8	University of Chicago - Calendar, Physical Sciences		1946
Textual	MG31 J 16	6	9	University of Chicago, Calendar, Physical Sciences, part II		1946
Textual	MG31 J 16	6	10	University of Chicago - Placement Test Program brochure		1947-1948
Textual	MG31 J 16	6	11	University of Chicago - Course Descriptions		1948-1949
Textual	MG31 J 16	6	12	University of Chicago - Brochures on teacher training		1948-1949
Textual	MG31 J 16	6	13	University of London - M.Sc. examinations in the History and Philosophy of Science		1939, 1948-1949
Textual	MG31 J 16	6	14	University reports and manuals on education		1941-1949
Textual	MG31 J 16	6	15	W.C. Schaab, "Education - An Ultimate Happiness"	Essay submitted in competition for Ryder Prize, typed manuscript, 41 pages.	n.d.
Textual	MG31 J 16	6	16	Anonymous - Proposed Plan of Organization for Physical Science 50		n.d.
Textual	MG31 J 16	6	17	J. W. Abrams, University of Manitoba - Lecture notes and examination, part 1		1945-1946
Textual	MG31 J 16	6	18	J. W. Abrams, University of Manitoba - Lecture notes and examination, part 2		1945-1946
Textual	MG31 J 16	6	19	J. W. Abrams, University of Manitoba - Lecture notes and examination, part 3		1945-1946
Textual	MG31 J 16	6	20	J. W. Abrams, University of Manitoba - Aurora Abstracts notebook		1945
Textual	MG31 J 16	6	21	J. W. Abrams, University of Manitoba - Differential Equations, Problems from Murry - Notebook		1945
Textual	MG31 J 16	6	22	J. W. Abrams, University of Manitoba - Differential Equations, Problems from Rainville - Notebook		1945
Textual	MG31 J 16	6	23	J. W. Abrams, University of Manitoba - Differential Equations, Theory from Rainville - Notebook		1945

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Textual	MG31 J 16	7	1	J. W. Abrams, University of Manitoba - Problems on Partial Differential Equations - Notebook		1946
Textual	MG31 J 16	7	2	J. W. Abrams, University of Manitoba - Mathematics, Sokolnikoff Problems - Notebook		1945
Textual	MG31 J 16	7	3	J. W. Abrams, University of Manitoba - Mathematics, Sokolnikoff Theory - Notebook		1945
Textual	MG31 J 16	7	4	J. W. Abrams, University of Manitoba - Quantum Mechanics - Notebook		1946
Textual	MG31 J 16	7	5	J. W. Abrams, University of Manitoba - Quantum Mechanics, Problems from Rojansky - Notebook		1945
Textual	MG31 J 16	7	6	J. W. Abrams, University of Manitoba - Quantum Mechanics, Theory from Rojansky - Notebook		1945
Textual	MG31 J 16	7	7	J. W. Abrams, University of Manitoba - Theoretical Physics, book I - Notebook		1945
Textual	MG31 J 16	7	8	J. W. Abrams, University of Manitoba - Theoretical Physics, book II - Notebook		1945
Textual	MG31 J 16	7	9	J. W. Abrams, University of Manitoba - Stellar Structure, Outlines from Chandrasekar - Notebook		1945
Teaching: Wesleyan University						
a) Thermodynamics of the stars, astronomy						
Textual	MG31 J 16	7	10	J. W. Abrams, Wesleyan University - Thermodynamics of the Stars - Notebook, part 1		1946
Textual	MG31 J 16	7	11	J. W. Abrams, Wesleyan University - Thermodynamics of the Stars - Notebook, part 2		1946
Textual	MG31 J 16	7	12	J. W. Abrams, Wesleyan University - Thermodynamics of the Stars - Notebook, part 3		1946
Textual	MG31 J 16	7	13	J. W. Abrams, Wesleyan University - Thermodynamics of the Stars - Notebook, part 4		1946
Textual	MG31 J 16	7	14	J. W. Abrams, Wesleyan University - Thermodynamics of the Stars - Notebook, part 5		1946
Textual	MG31 J 16	7	15	Wesleyan University - Astronomy notes		[ca. 1948]
b) Creation, planning and evaluation of the Wesleyan University course in Physical Science based on historical principles						
Textual	MG31 J 16	7	16	Wesleyan University - Calendar		1947-1948
Textual	MG31 J 16	7	17	Wesleyan University - Calendar		1948-1949
Textual	MG31 J 16	8	1	Wesleyan University - Course in Physical Science - Course outline		[ca. 1947-1949]
Textual	MG31 J 16	8	2	Wesleyan University - Course in Physical Science - Course outline and assignment sheets		1947
Textual	MG31 J 16	8	3	Wesleyan University - Course in Physical Science - Course evaluations and examinations		[ca. 1947-1949]
c) Lecture notes						
Textual	MG31 J 16	8	4--8	Wesleyan University - Course in Physical Science - Lectures		[ca. 1947-1949]
d) Student readings						
Textual	MG31 J 16	8	9--15	Wesleyan University - Course in Physical Science - Student readings		[ca. 1947-1949]
e) Readings from unpublished book manuscript, <u>An Historical Introduction to Physical Sciences</u>						
Textual	MG31 J 16	9	1--6	Wesleyan University- Course in Physical Science - Readings	Readings from Abram's unpublished book manuscript, "An Historical Introduction to Physical Sciences".	[ca. 1947-1949]
f) Unpublished book manuscript, <u>An Historical Introduction to Physical Sciences</u>						
Textual	MG31 J 16	9	7	J. W. Abrams, unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Book outline, preliminary readers' comments, and correspondence from publisher.	1948
Textual	MG31 J 16	9	8--14	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter I, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	9 10	15--16 1--2	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 2, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	10	3--5	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 3, various versions. Typescript and manuscript.	[ca. 1948]

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Textual	MG31 J 16	10	6--7	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 4, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	10	8--9	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 6, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	10	10--13	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 7, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	11	1--4	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 9, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	11	5	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 9-10, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	11	6--8	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 10, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	11	9--13	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences"	Chapter 12, various versions. Typescript and manuscript.	[ca. 1948]
Textual	MG31 J 16	11	14	J. W. Abrams' unpublished book manuscript, "An Historical Introduction to Physical Sciences" - Bibliography		[ca. 1948]
University of Toronto, Department of Industrial Engineering a) Correspondence and administration						
Textual	MG31 J 16	31	16	University of Toronto, Department of Industrial Engineering - Creation of First Course		1959
Textual	MG31 J 16	31	17	University of Toronto, Department of Industrial Engineering - University Calendar entries		1962-1975
Textual	MG31 J 16	31	18	University of Toronto, Department of Industrial Engineering - Letters re: Russian exchange		1963-1964
Textual	MG31 J 16	31	19	University of Toronto, Industrial Engineering staff meeting		16 November 1964
Textual	MG31 J 16	31	20	University of Toronto, Department of Industrial Engineering - Graduate enrolment		1965-1974
Textual	MG31 J 16	31	21	University of Toronto, Department of Industrial Engineering - Graduate statistics, part 1		1968-1973
Textual	MG31 J 16	31	22	University of Toronto, Department of Industrial Engineering - Graduate statistics, part 2		1968-1973
Textual	MG31 J 16	31	23	University of Toronto, Department of Industrial Engineering - Graduate statistics, part 3		1968-1973
Textual	MG31 J 16	31	24	University of Toronto, Department of Industrial Engineering - Departmental Planning		1972-1973
Textual	MG31 J 16	31	25	University of Toronto, Department of Industrial Engineering - Memoranda		1973-1974
Textual	MG31 J 16	31	26	University of Toronto, Department of Industrial Engineering - Course Proposal: Readings in the Philosophy of Technology and Engineering		1974
Textual	MG31 J 16	31	27	University of Toronto, Department of Industrial Engineering - Cockburn Bequest		1976-1977
Textual	MG31 J 16	31	28	University of Toronto, Department of Industrial Engineering - Correspondence, reports, minutes		1970-1973
Textual	MG31 J 16	31	29	Industrial Engineering		n.d.
Textual	MG31 J 16	31	30	University of Toronto, Department of Industrial Engineering - Filing system and staff list		n.d.
Textual	MG31 J 16	31	31	University of Toronto, Department of Industrial Engineering - Former staff		n.d.
Textual	MG31 J 16	31	32	University of Toronto, Department of Industrial Engineering - Staff meeting		n.d.
Textual	MG31 J 16	31	33	University of Toronto - Teaching	J.W. Abrams et. al., notes for discussion on the structure and future of an Industrial Engineering Department. Mimeographed typescript, 3 pages.	n.d.
University of Toronto, Department of Industrial Engineering b) Research grants						
Textual	MG31 J 16	32	1	University of Toronto, Department of Industrial Engineering - Research grants correspondence, part 1		1962-1967

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	32	2	University of Toronto, Department of Industrial Engineering - Research grants correspondence, part 2		1962-1967
Textual	MG31 J 16	32	3	University of Toronto, Department of Industrial Engineering - Scientific research grant No. 1157		1963-1968
Textual	MG31 J 16	32	4	University of Toronto, Department of Industrial Engineering - Research and grant information		n.d.
University of Toronto, Department of Industrial Engineering c) Engineering education and organization						
Textual	MG31 J 16	32	5	University of Toronto, Department of Industrial Engineering - J.W. Abrams, untitled lecture on Engineering Education		n.d.
Textual	MG31 J 16	32	6	University of Toronto, Department of Industrial Engineering - Engineering Concepts curriculum project		1966-1967
Textual	MG31 J 16	32	7	University of Toronto - Teaching industrial engineering, Alan K. Mackworth	<u>Soft Engineering: A Modest Proposal.</u> Xerox typescript and correspondence.	1969
Textual	MG31 J 16	32	8	G. Sinclair, "Concerning the Definition of Technology"	Mimeographed typescript, 10 pages.	1979
Textual	MG31 J 16	32	9	G. Sinclair, "Response" to W.H. Vanderburg		1980
Textual	MG31 J 16	32	10	W.H. Vanderburg, "A Blueprint for Engineering Curriculum"	Mimeographed typescript, 12 pages.	1980
Textual	MG31 J 16	32	11	G. Sinclair, "New Goals for the Engineering Institute of Canada"	Mimeographed typescript, 38 pages.	1980
Textual	MG31 J 16	32	12	Operational Research, training for		n.d.
University of Toronto, Department of Industrial Engineering d) Identified courses						
Textual	MG31 J 16	32	13	University of Toronto - Teaching - Operational Research, 3rd year, course 2 - Examination		1964
Textual	MG31 J 16	32	14	University of Toronto - Teaching - Industrial Engineering, course Ind. 200 - Assignment		n.d.
Textual	MG31 J 16	32	15	University of Toronto - Teaching - Industrial Engineering, course Ind. 200F - A. Porter correspondence		1974
Textual	MG31 J 16	32	16	University of Toronto - Teaching - Industrial Engineering, course Ind. 200F - Procedural outline, examination, assignments		1975-1976, n.d.
Textual	MG31 J 16	32	17	University of Toronto - Teaching - Industrial Engineering, course Ind. 200F - Course outline, registrants, source material, assignments, notes, examinations		1976, n.d.
Textual	MG31 J 16	32	18	University of Toronto - Teaching - Industrial Engineering, course Ind. 200F - Elements of Industrial Engineering I - Lectures, correspondence		1973-1975
Textual	MG31 J 16	32	19	University of Toronto - Teaching - Ind. 200F, Elements of Industrial Engineering I - Lectures, assignments, examinations		1973-1976
Textual	MG31 J 16	32	20--21	University of Toronto - Industrial Engineering, course Ind. 200F - Lecture notes		1974
Textual	MG31 J 16	32	22	University of Toronto - Teaching - Ind. 200F - Lecture notes		1976
Textual	MG31 J 16	32	23	University of Toronto - Industrial Engineering, course Ind. 200F - Organization		n.d.
Textual	MG31 J 16	32	24	University of Toronto - Teaching - Industrial Engineering, Ind. 200S - Course introduction, schedule, lecture outlines, assignments		1978-1979, n.d.
Textual	MG31 J 16	32	25	University of Toronto - Teaching - Industrial Engineering, Ind. 200S, Introduction to Industrial Engineering II - Examination, assignments		1978-1979, n.d.
Textual	MG31 J 16	32	26	University of Toronto - Teaching - Ind. 200S, Introduction to Industrial Engineering II - Examination		1979
Textual	MG31 J 16	32	27	University of Toronto - Teaching - Industrial Engineering, Ind. 200S - Lecture schedule		1975
Textual	MG31 J 16	32	28	University of Toronto - Teaching - Operational Research, Ind. 301F, Operational Research - Examinations		1976-1978
Textual	MG31 J 16	32	29	University of Toronto - Teaching - Ind. 301F, Operational Research I - Examination		1979
Textual	MG31 J 16	32	30	University of Toronto - Teaching - Operational Research, Ind. 310F - Examination		December 1979
Textual	MG31 J 16	32	31	University of Toronto - Teaching - Ind. 302S, Operational Research II - Examination, assignments		1975

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Textual	MG31 J 16	32	32	University of Toronto - Teaching - Industrial Engineering 413F, 301F	One Xerox set of articles in Operational Research Management Science and related areas.	n.d.
Textual	MG31 J 16	32	33	University of Toronto - Teaching - Ind. 413F, Fundamentals of Management Science - Examination		1974
Textual	MG31 J 16	32	34	University of Toronto - Teaching - Industrial Engineering, Ind. 413F - Lecture notes, assignments		1975, n.d.
Textual	MG31 J 16	32	35	University of Toronto - Teaching - Ind. 413F, Fundamentals of Management Science - Assignments, course objectives, examination		1975-1976, n.d.
Textual	MG31 J 16	32	36	University of Toronto - Teaching - Ind. 413F, Fundamentals of Management Science - Various examinations and assignments		1975-1980, n.d.
Textual	MG31 J 16	32	37	University of Toronto - Teaching - Ind. 413F - Assignments, tests, notes		1976-1977
Textual	MG31 J 16	32	38	University of Toronto - Teaching - Management Science, Ind. 413F, Fundamentals of Management Science - Examination		1978
Textual	MG31 J 16	32	39	University of Toronto - Teaching - Management Science (O.R.) Ind. 413F - Notes, lecture II (3 pages)		1976
Textual	MG31 J 16	32	40	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture IX (8 pages)		1977
Textual	MG31 J 16	32	41	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture VIII (1 page)		10 October 1978
Textual	MG31 J 16	32	42	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture I (8 pages)		1980
Textual	MG31 J 16	32	43	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture 2 (9 pages), plus assignment (1 page)		1980
Textual	MG31 J 16	32	44	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture 3 (12 pages)		1980
Textual	MG31 J 16	32	45	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture IV (12 pages) plus student list		1980
Textual	MG31 J 16	32	46	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture V (10 pages) plus Xerox of 3 book pages		1980
Textual	MG31 J 16	32	47	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture 6 (10 pages plus Xerox of 5 book pages)		1980
Textual	MG31 J 16	32	48	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture 7 (11 pages)		1980
Textual	MG31 J 16	32	49	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture VIII (15 pages plus Xerox of 1 book page)		1980
Textual	MG31 J 16	33	1	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture IX (12 pages plus Xerox of 1 book page)		1980
Textual	MG31 J 16	33	2	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture X (9 pages)		1980
Textual	MG31 J 16	33	3	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture I (7 pages)		n.d.
Textual	MG31 J 16	33	4	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture II (7 pages)		n.d.
Textual	MG31 J 16	33	5	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Manuscript notes, lecture III (3 pages)		n.d.
Textual	MG31 J 16	33	6	University of Toronto - Teaching - Industrial Engineering, Ind. 413F	Reference notes to be given to students, ditto copy of typescript, 33 pages, plus other source material and notes.	1974, n.d.
Textual	MG31 J 16	33	7	University of Toronto - Teaching - Management Science (O.R.), Ind. 413F - Student list, unidentified loose pages		n.d.

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	33	8	University of Toronto - Teaching - Industrial Engineering, 413F	Supplementary notes to be given to students, mimeographed typescript (33 pages) and manuscript (37 pages).	n.d.
Textual	MG31 J 16	33	9	University of Toronto - Teaching - Industrial Engineering - Student Course Evaluation, course 1721F, Interpretation of Applied Technology		1978
University of Toronto, Department of Industrial Engineering e) Unidentified courses						
Textual	MG31 J 16	33	10	University of Toronto - Teaching - Lecture notes, "What is Operational Research?"		n.d.
Textual	MG31 J 16	33	11	University of Toronto - Teaching - Introduction to Operational Research - Course outlines		1969-1971
Textual	MG31 J 16	33	12	University of Toronto - Teaching - " Introduction to Operational Research" - Student list		1968-1969
Textual	MG31 J 16	33	13	University of Toronto - Teaching - Operational Research - Assignment		n.d.
Textual	MG31 J 16	33	14	University of Toronto - Teaching - Operational Research - Assignment		n.d.
Textual	MG31 J 16	33	15	University of Toronto - Teaching - Operational Research - Annual examination		January 1964
Textual	MG31 J 16	33	16	University of Toronto - Teaching - Operational Research (Industrial Engineering) - Final examination (2 copies)		1970-1971
Textual	MG31 J 16	33	17	University of Toronto - Teaching - Operational Research, Management Science - Assignments, unidentified course		n.d.
Textual	MG31 J 16	33	18	University of Toronto - Teaching - Operational Research - Various lectures, assignments, sources		1969-1973, n.d.
Textual	MG31 J 16	33	19	University of Toronto - Teaching - Introduction to Operational Research II - Lecture notes		1972
Textual	MG31 J 16	33	20	University of Toronto - Teaching - Introduction to Operational Research - Lecture notes, much on statistics		n.d.
Textual	MG31 J 16	33	21	University of Toronto - Teaching - Lecture notes	Lecture notes on "Direct-Winters Transport" for an unidentified course in Management Science or Operational Research.	n.d.
Textual	MG31 J 16	33	22	University of Toronto - Teaching - Lecture notes	Lecture notes on "Bidding Problems (Models)" for an unidentified course in Management Science or Operational Research.	n.d.
Textual	MG31 J 16	33	23	University of Toronto - Teaching - Lecture notes	Lecture notes on "Sub-Problem 3" for an unidentified course in Management Science or Operational Research.	n.d.
Textual	MG31 J 16	33	24	University of Toronto - Teaching - Lecture notes	Lecture notes for an unidentified course in Management Science or Operational Research.	n.d.
Textual	MG31 J 16	33	25	University of Toronto - Operational Research working plans	Lecture notes on a wide range of topics.	n.d.
Textual	MG31 J 16	33	26	University of Toronto - Operational Research	Miscellaneous research problems. Some notes appear to be lecture notes and assignments.	n.d., 1965-1966
Textual	MG31 J 16	33	27	University of Toronto - J.W. Abrams - Lecture notes, Science and Management		n.d.
Textual	MG31 J 16	33	28	University of Toronto - Operational Research/Management Science - Promotional material from John Wiley and Sons		1962
Textual	MG31 J 16	33	29	University of Toronto - Industrial Engineering - Handout	Mimeographed handout on Graphs and Critical Path Scheduling. Author unknown.	n.d.
Textual	MG31 J 16	33	30	University of Toronto - Teaching - Elements of Industrial Engineering - Statement of purpose, lecture notes, schedule, assignments, handouts		1973-1975, n.d.
Textual	MG31 J 16	33	31	University of Toronto - Teaching - Lecture "Who is the Industrial Engineer?"		n.d.

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Textual	MG31 J 16	33	32	University of Toronto - Teaching - Untitled lecture on Industrial Engineering		n.d.
Textual	MG31 J 16	33	33	University of Toronto - Teaching - Lecture on " Industrial Engineering in Historical Context"		n.d.
Textual	MG31 J 16	33	34	University of Toronto - Teaching - Industrial Engineering - Lecture notes on Scientific Method (16 pages)		n.d.
University of Toronto, Department of Industrial Engineering f) Student work						
Textual	MG31 J 16	33	35	University of Toronto, Industrial Engineering - Thesis progress reports		n.d., 1964
Textual	MG31 J 16	33	36	University of Toronto, Industrial Engineering - Graduate Theses		1964
Textual	MG31 J 16	33	37	University of Toronto - Students - W.J. Salmond, Thesis project		1969
Textual	MG31 J 16	33	38	University of Toronto, Department of Industrial Engineering - Ph.D. Committee for H. W. Jackman		1970
Textual	MG31 J 16	33	39	University of Toronto, Industrial Engineering - Students - J.C. Moynes		1975
Textual	MG31 J 16	33	40	University of Toronto, Industrial Engineering - Students - Betsy Price		1975-1976
Textual	MG31 J 16	33	41	University of Toronto, Industrial Engineering - Students - B. Strzalkowski		n.d.
Textual	MG31 J 16	33	42	University of Toronto, Industrial Engineering course - Students' marks		n.d.
Textual	MG31 J 16	33	43	University of Toronto - Industrial Engineering - Theses evaluations		n.d.
Textual	MG31 J 16	33	44	University of Toronto - G.W. Skeleton, progress report		n.d.
University of Toronto, Extension and Correspondence Courses						
Textual	MG31 J 16	34	1	University of Toronto, Division of University Extension - Primarily Management, Operational Research, Linear Programming, part 1		1968-1971
Textual	MG31 J 16	34	2	University of Toronto, Division of University Extension - Primarily Management, Operational Research, Linear Programming, part 2		1968-1971
Textual	MG31 J 16	34	3	University of Toronto, Division of University Extension - Primarily Management, Operational Research, Linear Programming, part 3		1968-1971
Textual	MG31 J 16	34	4	University of Toronto - Teaching - Proposal for the establishment of a diploma course in Operational Research (typescript, 9 pages)		4 January 1963
Textual	MG31 J 16	34	5	University of Toronto - Diploma course in Operational Research		1963-1964
Textual	MG31 J 16	34	6	University of Toronto - Teaching - Diploma course in Operational Research - Annual examinations, mathematics		1965
Textual	MG31 J 16	34	7	University of Toronto, Operational Research Certificate Programme		1974-1975
Textual	MG31 J 16	34	8	University of Toronto - Teaching - Correspondence course in Applied Chemical Thermodynamics - Assignments		n.d.
Textual	MG31 J 16	34	9	University of Toronto - Thomas A. Lambe, <u>Management Science</u>	Mimeographed typescript serving as the text book for a course.	n.d.
Textual	MG31 J 16	34	10	University of Toronto - Teaching - Management Science - Assignment for an unidentified course		n.d.
Textual	MG31 J 16	34	11	University of Toronto - Teaching - Correspondence course in Mathematics IV (Linear Algebra) - Assignments		n.d.
Textual	MG31 J 16	34	12	University of Toronto - Teaching - Correspondence course in Momentum, Heat and Mass Transfer - Assignments		n.d.
Textual	MG31 J 16	34	13	University of Toronto - Teaching - Operational Research and Management Science, "Extension Course in Simulation" - Course outline, mimeographed handouts		n.d.
Textual	MG31 J 16	34	14	University of Toronto - Extension Division - "Simulation and Management Modelling Course"		n.d.
Linear Programming, Statistics and Probability - a) Course outlines in Linear Programming						
Textual	MG31 J 16	34	15	University of Toronto - Teaching - Linear Programming and its Extensions - Course outline and topics		n.d.

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Textual	MG31 J 16	34	16	University of Toronto - Teaching - Linear Programming and its Extensions - Course outlines, lecture notes		n.d.
Textual	MG31 J 16	34	17	University of Toronto - Teaching - Linear Programming and its Extensions - Course outline (2 versions)		n.d.
Textual	MG31 J 16	34	18	University of Toronto - Teaching - Linear Programming and its Extensions - Course outline, list of topics, instructional material, assignment		n.d.
Textual	MG31 J 16	34	19	University of Toronto - Teaching - Linear Programming and its Extensions - List of students		1968-1969
Linear Programming, Statistics and Probability - b) Assignments and Exercises in Linear Programming						
Textual	MG31 J 16	34	20	University of Toronto - Linear Programming, Statistics and Probability - Diploma course - Exercises on Linear Spaces (printed and manuscript material)		n.d., 1964
Textual	MG31 J 16	34	21	University of Toronto - Linear Programming - Student assignment		n.d.
Textual	MG31 J 16	34	22	University of Toronto - Teaching - Correspondence course in Linear Programming	Mimeographed notes and assignments, 154 pages.	1972?
Textual	MG31 J 16	34	23	University of Toronto - Linear Programming - Assignments from students		n.d.
Textual	MG31 J 16	34	24	University of Toronto - Teaching - Linear Programming - Assignment		n.d.
Textual	MG31 J 16	34	25	University of Toronto - Teaching - Linear Programming and its Extensions - Assignment, distributed 29 February		1971-1972
Textual	MG31 J 16	34	26	University of Toronto - Teaching - Linear Programming - Assignments		n.d.
Textual	MG31 J 16	34	27	University of Toronto - Linear Programming, "LP Model to Analyze Clinical Training Programs"		n.d.
Linear Programming, Statistics and Probability - c) Examinations in Linear Programming						
Textual	MG31 J 16	34	28	University of Toronto - Teaching - Linear Programming and its Extensions - Final examination		25 April 1968
Textual	MG31 J 16	34	29	University of Toronto - Teaching - Linear Programming and its Extensions, Canadian Operational Research Society Certificate Course - Examination		1969-1970
Textual	MG31 J 16	34	30	University of Toronto - Teaching - Linear Programming and its Extensions - Examination		15 April 1969
Textual	MG31 J 16	34	31	University of Toronto - Teaching - Linear Programming and its Extensions, Canadian Operational Research Society Certificate Course - Examination		1969-1970
Textual	MG31 J 16	34	32	University of Toronto - Teaching - Linear Programming - Final examination		1970-1971
Textual	MG31 J 16	34	33	University of Toronto - Teaching - Readings in Linear Programming, Ind. 1106 - Final examination with answers submitted by I.K. Iskander		1971
Linear Programming, Statistics and Probability - d) Lectures and lecture notes in Linear Programming						
Textual	MG31 J 16	34	34	University of Toronto - Linear Programming, Simplex Method - Lecture notes or assignments (?)		n.d.
Textual	MG31 J 16	34	35	University of Toronto - Teaching - Linear Programming - Notes for lecture XXV		1970-1971
Textual	MG31 J 16	34	36	University of Toronto - Teaching - Linear Programming - Lecture notes	Combination of annotated typescript and manuscript.	n.d.
Textual	MG31 J 16	34	37	University of Toronto - J.W. Abrams - Linear Programming - Unidentified lecture notes		n.d.
Textual	MG31 J 16	34	38	University of Toronto - Linear Programming - Lecture notes (17 pages)		n.d.
Textual	MG31 J 16	34	39	University of Toronto - Teaching - Quadratic Programming - Lecture notes (12 pages)		n.d.
Textual	MG31 J 16	34	40	University of Toronto - Linear Programming - Lecture notes		1969
Textual	MG31 J 16	34	41	University of Toronto - Linear Programming - Lecture notes, sections 22, 23, 24, 25, 26 (manuscripts)		n.d.
Linear Programming, Statistics and Probability - e) Correspondence course in Linear Programming						

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Textual	MG31 J 16	34	42	University of Toronto - Teaching - Correspondence course in Linear Programming, part I	Manuscript notes, 36 pages.	n.d.
Textual	MG31 J 16	34	43	University of Toronto - Teaching - Correspondence course in Linear Programming, part II	Manuscript notes, 32 pages.	n.d.
Textual	MG31 J 16	34	44	University of Toronto - Teaching - Correspondence course in Linear Programming, part III	Manuscript notes, 35 pages.	n.d.
Linear Programming, Statistics and Probability - f) University of Toronto course in Linear Programming						
Textual	MG31 J 16	35	1	University of Toronto - Teaching - Linear Programming and its Extensions - Course outline		n.d.
Textual	MG31 J 16	35	2	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture II, 1 October	Manuscript notes, 7 pages.	n.d.
Textual	MG31 J 16	35	3	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture III, 8 October	Manuscript notes, 8 pages.	n.d.
Textual	MG31 J 16	35	4	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture IV, 15 October	Manuscript notes, 20 pages.	n.d.
Textual	MG31 J 16	35	5	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture V, 22 October	Manuscript notes, 7 pages.	n.d.
Textual	MG31 J 16	35	6	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture VI, 29 October	Manuscript notes, 14 pages.	n.d.
Textual	MG31 J 16	35	7	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture VII, 5 November	Manuscript notes, 14 pages.	n.d.
Textual	MG31 J 16	35	8	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture VIII, 12 November	Manuscript notes, 12 pages.	n.d.
Textual	MG31 J 16	35	9	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture IX, 19 November	Manuscript notes, 16 pages.	n.d.
Textual	MG31 J 16	35	10	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XVI, 28 January	Manuscript notes, 17 pages.	n.d.
Textual	MG31 J 16	35	11	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XVII, 4 February	Manuscript notes, 14 pages.	n.d.
Textual	MG31 J 16	35	12	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XVIII, 11 February	Manuscript notes, 8 pages.	n.d.
Textual	MG31 J 16	35	13	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XIX, 17 February	Manuscript notes, 19 pages.	n.d.
Textual	MG31 J 16	35	14	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XX, 25 February	Manuscript notes, 23 pages.	n.d.
Textual	MG31 J 16	35	15	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XXI, 4 March	Manuscript notes, 25 pages.	n.d.
Textual	MG31 J 16	35	16	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XXII, 11 March	Manuscript notes, 20 pages.	n.d.
Textual	MG31 J 16	35	17	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XXIII, 18 March	Manuscript notes, 12 pages.	n.d.
Textual	MG31 J 16	35	18	University of Toronto - Teaching - Linear Programming and its Extensions, Lecture XXV, 1 April	Manuscript notes, 24 pages.	n.d.
Linear Programming, Statistics and Probability - g) Control Data Users' Manual for Linear Programming						
Textual	MG31 J 16	35	19	Control Data Corporation - Preliminary Users' Manual for Linear Programming (LP-DCD)	Also includes a letter of transmittal.	1966
Linear Programming, Statistics and Probability - h) Linear Programming unidentified notes						
Textual	MG31 J 16	35	20	Linear Programming - Unidentified notes		n.d.
Linear Programming, Statistics and Probability - i) Articles on Statistics						
Textual	MG31 J 16	35	21	K. Bornemann, <u>La Precision de la Conclusion Statistique Pour Differentes Formes Caracteristiques de la Distribution d'une Variable Aleatoire</u>		n.d.
Textual	MG31 J 16	35	22	J.A. v.d. Heiden, <u>Plotting Actual Statistical Figures on Probability Paper</u>		1965
Textual	MG31 J 16	35	23	Samuel Kotz, <u>On the Solutions of Some "Isomoment" Functional Equations</u> , reprinted from the American Mathematical Monthly, Vol. 72, No. 10		1965
Textual	MG31 J 16	35	24	Samuel Kotz, <u>Statistics in the USSR</u> , reprinted from Survey, No. 57		1965
Linear Programming, Statistics and Probability - j) Probability and statistics lectures						

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Textual	MG31 J 16	35	25	"Probability"	Mimeographed typescript for teaching, probably written by John W. Abrams, 33 pages.	n.d.
Textual	MG31 J 16	35	26	University of Toronto - Teaching - Correspondence course in Probability and Statistics - Assignments		n.d.
Textual	MG31 J 16	35	27--30	Statistics, Probability	Unidentified mimeographed typescripts and lecture notes, found in one unmarked file.	n.d.
Linear Programming, Statistics and Probability - k) Stochastic processes dittoed lecture notes						
Textual	MG31 J 16	35	31	University of Toronto - Stochastic Processes - Extension course notes		1965-1966
Textual	MG31 J 16	35	32	University of Toronto - <u>Stochastic Processes</u> - Dittoed lecture notes, unknown source		1966
Linear Programming, Statistics and Probability - l) University of Ottawa Mathematics 2384 course outline						
Textual	MG31 J 16	35	33	University of Ottawa - Teaching - Mathematics 2384, Applied Statistics - Course outline		1963-1964
University of Toronto, History of Science and Technology - a) Identified courses						
Textual	MG31 J 16	35	34	University of Toronto - Teaching - History of Science and Technology - HPS 401S Social Impact of Technology - Course outline, lectures, correspondence		1976-1977
Textual	MG31 J 16	35	35	University of Toronto - Teaching - History of Technology and Engineering - HPS 281F - Student course evaluations		1974
Textual	MG31 J 16	35	36	University of Toronto - Teaching - Final examination for course HPS 281F, History of Technology and Engineering up to the Industrial Revolution (manuscript and typescript)		1974
Textual	MG31 J 16	35	37	University of Toronto - Teaching - History and Philosophy of Science, course HPS 281F		1975-1978
Textual	MG31 J 16	35	38	University of Toronto - Teaching - HPS 281F, History of Technology and Engineering up to the Industrial Revolution - Examination		1976
Textual	MG31 J 16	35	39	University of Toronto - Teaching - History and Philosophy of Science, course no. 282S		1977-1981
Textual	MG31 J 16	35	40	University of Toronto - Teaching - History and Philosophy of Science, course no. 282		1979-1981
Textual	MG31 J 16	35	41	University of Toronto - Teaching - HPS 282S - Course readings, part 1		n.d.
Textual	MG31 J 16	35	42	University of Toronto - Teaching - HPS 282S - Course readings, part 2		n.d.
Textual	MG31 J 16	35	43	University of Toronto - Teaching - HPS 282S - Course readings, part 3		n.d.
Textual	MG31 J 16	35	44	University of Toronto - Teaching - HPS 282S - Test and exam		1977
Textual	MG31 J 16	35	45	University of Toronto - Teaching - HPS 282 - Course outline, reading list, lecture topics		1979
Textual	MG31 J 16	35	46	University of Toronto - Teaching - HPS 282S - Second Term test		n.d.
Textual	MG31 J 16	35	47	University of Toronto - Teaching - HPS 320 - Lecture notes		n.d.
Textual	MG31 J 16	35	48	University of Toronto - Teaching - History 320 - List of lectures		n.d.
Textual	MG31 J 16	36	1--4	University of Toronto - Teaching - HPS 1041 - Course readings		n.d.
Textual	MG31 J 16	36	5--8	University of Toronto - Teaching - HPS 1017 - Course readings		n.d.
Textual	MG31 J 16	36	9	University of Toronto - Teaching - HPS 1087SS - Lecture notes, History of Science		n.d.
Textual	MG31 J 16	36	10	University of Toronto - Teaching - History of Technology and Engineering 2330 - Mid-term test		n.d.
Textual	MG31 J 16	36	11	University of Toronto - Teaching - History of Science lectures - Summer course		1975-1976
Textual	MG31 J 16	36	12--14	University of Toronto - Teaching - History of Science lectures - Summer course		1976
University of Toronto, History of Science and Technology - b) Unidentified courses and lectures						
Textual	MG31 J 16	36	15	University of Toronto - Lecture notes, HPS, summer		1976
Textual	MG31 J 16	36	16--17	University of Toronto - Lecture notes, HPS		n.d.
Textual	MG31 J 16	36	18	University of Toronto - Lecture notes, HPS		[1974-1975]

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	36	19	University of Toronto - Lecture notes, HPS		n.d.
Textual	MG31 J 16	36	20	University of Toronto - Lecture notes, HPS - Greece, Rome, Alexandria		1972-1973, 1975
Textual	MG31 J 16	36	21	University of Toronto - Lecture notes, HPS - Medieval		n.d.
Textual	MG31 J 16	37	1	University of Toronto - Lecture notes, HPS - Renaissance (include clocks)		1974-1975
Textual	MG31 J 16	37	2	University of Toronto - Lecture notes, HPS		1969-1970
Textual	MG31 J 16	37	3	University of Toronto - Lecture notes, HPS		1976
Textual	MG31 J 16	37	4	University of Toronto - Lecture notes, HPS		n.d.
Textual	MG31 J 16	37	5	University of Toronto - HPS - Lecture notes, course and lecture outlines		1972-1979
Textual	MG31 J 16	37	6	University of Toronto - HPS - Course and lecture notes		1972
Textual	MG31 J 16	37	7	University of Toronto - HPS - Course and lecture notes		1970-1977
Textual	MG31 J 16	37	8	University of Toronto - Lecture notes, HPS		1965-1981
Textual	MG31 J 16	37	9	University of Toronto - Lecture notes, HPS		1975-1980
Textual	MG31 J 16	37	10	University of Toronto - Lecture notes, HPS - Beginnings, Babylon, Egypt		1968-1978
Textual	MG31 J 16	37	11	University of Toronto - Lecture notes, HPS		1968-1972
Textual	MG31 J 16	37	12	University of Toronto - Lecture notes, HPS		n.d.
Textual	MG31 J 16	37	13	University of Toronto - Lecture notes, HPS		1975
Textual	MG31 J 16	37	14	University of Toronto - Lecture notes, HPS		1970-1971
Textual	MG31 J 16	37	15	University of Toronto - Lecture notes, HPS		1972
Textual	MG31 J 16	37	16	University of Toronto - Lecture notes, HPS		1976
Textual	MG31 J 16	37	17--20	University of Toronto - Lecture notes, HPS		n.d.
Textual	MG31 J 16	37	21	University of Toronto - Lecture notes, HPS		1976-1977
Textual	MG31 J 16	37	22	University of Toronto - Lecture notes, HPS		1978-1979
Textual	MG31 J 16	37	23	University of Toronto - Lecture notes, HPS		n.d.
Textual	MG31 J 16	38	1	University of Toronto - Lecture notes, HPS		1971
Textual	MG31 J 16	38	2	University of Toronto - Lecture notes, HPS		1974-1978
Textual	MG31 J 16	38	3	University of Toronto - Lecture notes, HPS		1976
Textual	MG31 J 16	38	4	University of Toronto - Lecture notes, HPS		1977
Textual	MG31 J 16	38	5--6	University of Toronto - Lecture notes, HPS		1981
Textual	MG31 J 16	38	7	University of Toronto - Lecture notes, HPS		n.d.
University of Toronto, History of Science and Technology - c) Mechanology						
Textual	MG31 J 16	38	8	Jacques Lafitte, <u>Reflexions sur la Science des Machines</u> (Xerox copy)		n.d.
Textual	MG31 J 16	38	9	Jacques Lafitte - Copies of writings by		n.d.
Textual	MG31 J 16	38	10	University of Toronto - Mechanology - Correspondence, colloquium announcement		1971
Textual	MG31 J 16	38	11	Gilbert Simondon, Jean LeMoyné - <u>Entretien sur la Mécologie</u> (copy)		1968
Textual	MG31 J 16	38	12	Henri Vanier, Henri Jones, Jean LeMoyné - <u>Entretien sur la Mécologie</u> (copy)		1968
Textual	MG31 J 16	38	13	Gilbert Simondon, <u>Du Mode D'Existence des Objets Techniques</u> (copy)		n.d.
University of Toronto, History of Science and Technology - d) Various items in teaching						
Textual	MG31 J 16	38	14	John W. Abrams, University of Toronto - Teaching - History of Philosophy of Science and Technology - Assorted papers		n.d.
Textual	MG31 J 16	38	15	University of Toronto - Teaching - N. J. R. Bastedo - Course work for course 1009/1011		n.d.
Textual	MG31 J 16	38	16	John W. Abrams, University of Toronto - Teaching - History and Philosophy of Science and Technology - Course outline, History 2330		n.d.
Textual	MG31 J 16	38	17	University of Toronto - Course outlines, History 116		1967
Textual	MG31 J 16	38	18	University of Toronto - Course outlines		1976-1977
Textual	MG31 J 16	38	19	University of Toronto - Teaching - Betsy Price, book list for work in course 1007X		n.d.
Textual	MG31 J 16	38	20	University of Toronto - Teaching - Correspondence from students asked to assign their own grade		1976

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	38	21	University of Toronto - Teaching - Natural Sciences 120, History of the Exact Sciences - Bibliography, assignments		1964-1965
Textual	MG31 J 16	38	22	University of Toronto - Teaching - History of Machine Tools - Notes		n.d.
Textual	MG31 J 16	38	23	University of Toronto - Teaching - History of Mining - Notes		n.d.
Textual	MG31 J 16	38	24	University of Toronto - Teaching - Miscellaneous		n.d.
Textual	MG31 J 16	38	25	University of Toronto - Teaching - Unidentified notes and ideas for teaching		n.d.
Textual	MG31 J 16	38	26	John W. Abrams, University of Toronto - Teaching - History and Philosophy of Science and Technology - Policy on making		1970
Textual	MG31 J 16	38	27	University of Toronto - Teaching - History and Philosophy of Science - Sample examination		n.d.
Textual	MG31 J 16	38	28	John W. Abrams, University of Toronto - Teaching - History and Philosophy of Science and Technology - Untitled lecture notes		n.d.
Textual	MG31 J 16	38	29	University of Toronto - Teaching - Various bibliographies		n.d.
Textual	MG31 J 16	38	30	University of Toronto - Teaching - Various		n.d.
University of Toronto, History of Science and Technology - e) Papers by John W. Abrams						
Textual	MG31 J 16	38	31	J.W. Abrams, "Famous Universities - Tartu" - Radio talk		1946
Textual	MG31 J 16	38	32	J.W. Abrams, book review of H.E. Zinner, <i>Geschichte Ihrer Probleme</i> , 1951		1954
Textual	MG31 J 16	38	33	J.W. Abrams, "The Potential of Technology" - Various drafts and manuscripts		1964
Textual	MG31 J 16	38	34	J.W. Abrams, "Science, Technology and the Humanities" - Various drafts and manuscripts		1967
Textual	MG31 J 16	39	1	J.W. Abrams, "Science, Technology and the Humanities"	A draft copy of a lecture given on 12 October 1967 and ditto copy of typescript, 16 pages.	1967
Textual	MG31 J 16	39	2	J.W. Abrams, "Biography of William Wallace Campbell" (14 pages)		1968
Textual	MG31 J 16	39	3	J.W. Abrams, Notes/Address at American Society of Engineering Education		1968
Textual	MG31 J 16	39	4	J.W. Abrams, "Clock Lecture" given at Ontario Science Centre	Rough draft and final copy.	1969-1971
Textual	MG31 J 16	39	5	J.W. Abrams, book review of H.D. Wagoner, <i>The US Machine Tool Industry from 1900-1950</i> , 1968		1969
Textual	MG31 J 16	39	6	J.W. Abrams - Comments on "Science, Logic and Political Action", manuscript by M.C. Goodall		1969
Textual	MG31 J 16	39	7	J.W. Abrams - Convocation Address - Various drafts and manuscripts		1970
Textual	MG31 J 16	39	8	J.W. Abrams - Review of Sir William Lawrence Bragg, ed., <i>The Royal Institution Library of Science, Physical Sciences</i> , 10 vol.		[ca. 1970]
Textual	MG31 J 16	39	9	J.W. Abrams - Address to Trinity College		1971
Textual	MG31 J 16	39	10	J.W. Abrams - Book review of Samuel Hartlib and the Advancement of Learning, C. Webster, 1970		1971
Textual	MG31 J 16	39	11	J.W. Abrams - Comments on Professor Spirito's Paper - Various drafts and manuscripts		1971
Textual	MG31 J 16	39	12--15	J.W. Abrams - Untitled lecture on the Historical Development of Astronomy, University of Rochester, rough draft		1972
Textual	MG31 J 16	39	16--17	J.W. Abrams - "The Epicycles of Copernicus", paper presented to the Canadian Society for the Study of the History and Philosophy of Science, rough draft		1973
Textual	MG31 J 16	39	18	J.W. Abrams - "The Epicycles of Copernicus", paper presented to the Canadian Society for the Study of the History and Philosophy of Science, final draft		1973
Textual	MG31 J 16	39	19	J.W. Abrams - Report on trip to New York to investigate preservation of non-archival scientific material of note		1973
Textual	MG31 J 16	39	20	J.W. Abrams - "The Canons of Scientific Acceptability"		1974
Textual	MG31 J 16	39	21	J.W. Abrams - "The Canons of Scientific Acceptability", paper given at the Seventh Centenary of the Birth of Thomas Aquinas, Rome - Rough draft and final		1973-1974

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	39	22	J.W. Abrams - Manuscript notes for his lectures on "What Did Technology Ever do for Society?" at a special two-day seminar to mark the visit of Professor John Abrams to the University of Aston		1974
Textual	MG31 J 16	39	23	J.W. Abrams - Assignment: "M.Sc. In Systems Analysis, 4th March: Historical Account of the Organization of Scientific Knowledge"		1974
Textual	MG31 J 16	39	24	J.W. Abrams - Report of the Committee on the Education of Historians of Science, International Union for the History and Philosophy of Science, (IUHPS)		1977
Textual	MG31 J 16	39	25	J.W. Abrams - Report on the Education of Historians of Science, prepared for IUHPS		1977
Textual	MG31 J 16	39	26	J.W. Abrams - "Review of Arnold Pacey, The Maze of Ingenuity: Ideals and Idealism in the History of Technology", and correspondence		1977
Textual	MG31 J 16	39	27	J.W. Abrams - "Sanford Fleming in Canada", address to Newcomen Society, Scotland		1977
Textual	MG31 J 16	39	28	J.W. Abrams - "Teaching the History and Philosophy of Science to Students with Primary Commitments Elsewhere", presented to the Canadian Society for the History and Philosophy of Science, Fredericton		June 1977
Textual	MG31 J 16	39	29	J.W. Abrams - Comments on Dr. Russell's paper given at a Conference on the Study of the History of Canadian Science and Technology		1978
Textual	MG31 J 16	39	30	J.W. Abrams - "Mining Safety in Ontario: Historical Apercu", paper presented to ICOHTEC Symposium, Freiberg, 1978 - Offprint, typescript abstracts, typescript, manuscript drafts, notes		1978
Textual	MG31 J 16	39	31	J.W. Abrams - "The Development of Medieval Astronomy"		1979
Textual	MG31 J 16	39	32	Education - Conference on Career Options in the Liberal Arts, Simon Fraser University, January 26, 1979 - Correspondence, drafts of addresses, other relevant material		1978-1979
Textual	MG31 J 16	39	33	John W. Abrams - Untitled manuscript - Address on the subject of options in the Liberal Arts, delivered at Simon Fraser University		1979
Textual	MG31 J 16	39	34	John W. Abrams - The Liberal Arts Student After University, delivered at Simon Fraser University		1979
Textual	MG31 J 16	39	35	J.W. Abrams - Comment to a Montreal group - Dealing with Organization and Goals of Study of History of Science and Technology in Canada - Drafts, correspondence		1980
Textual	MG31 J 16	39	36	J.W. Abrams - "Technology in Perspective" - Various drafts		1980
Textual	MG31 J 16	39	37	J.W. Abrams, - "Why not teach Science?" - Various drafts		[ca. 1980]
Textual	MG31 J 16	39	38	J.W. Abrams - "The development of the Lathe as an Example of the Machine Tool Industry"		n.d.
Textual	MG31 J 16	39	39	John W. Abrams - Notebook on History of Science and Technology (on cover, "Case Institute of Technology")		n.d.
Textual	MG31 J 16	39	40	J.W. Abrams - Comments on Dr. Russell's presentation on patents		n.d.
Textual	MG31 J 16	39	41	J.W. Abrams - "The History of Science and the Scientist of Today"		n.d.
Textual	MG31 J 16	39	42	John W. Abrams - History of Technology in Canada: A Report Prepared for ICOHTEC		n.d.
Textual	MG31 J 16	39	43	John W. Abrams - "Historical Perspective in the Advent of Computers" address		n.d.
Textual	MG31 J 16	39	44	J.W. Abrams - "M.Sc. In Systems Analysis", handwritten draft		n.d.
Textual	MG31 J 16	39	45	John W. Abrams - Notebook on History of Science and Technology (on cover, "Memorandum Book No. 3")		n.d.
Textual	MG31 J 16	39	46	J.W. Abrams - "Newton" - various drafts and manuscripts		n.d.
Textual	MG31 J 16	39	47	J.W. Abrams - "Science and Society" - Handwritten manuscript		n.d.

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	39 40	48 1--3	J.W. Abrams - "Science and Technology" - Various chapters, unpublished manuscript		n.d.
Textual	MG31 J 16	40	4	University of Toronto - Teaching - History of Science - Lecture notes on relativity		n.d.
Textual	MG31 J 16	40	5	J.W. Abrams - "Technology: Mirror of Social Change"		n.d.
Textual	MG31 J 16	40	6	J.W. Abrams, - "Technology, Humanism and Peace", written for the ICOHTEC congress, August 1981, and delivered by Professor Melvin Kranzberg		1981
Textual	MG31 J 16	40	7	Outline, notes for unidentified Student Symposium or Conference on the History of Technology, believed held at University of Toronto		n.d.
Textual	MG31 J 16	40	8	University of Toronto - Teaching - History of Science, unit on the Scientist and His Loyalties to Mankind or the State		n.d.
Textual	MG31 J 16	40	9	John W. Abrams - Text of presentation of Joseph Needham to Madam Chancellor, University of Toronto, for the award of the degree of LL.D.		n.d.
Textual	MG31 J 16	40	10	John W. Abrams - "The Ph.D. Problem" - Lecture or draft of paper		n.d.
Textual	MG31 J 16	40	11	J.W. Abrams - Talk on "Reality"		n.d.
Textual	MG31 J 16	40	12	John W. Abrams - Review of E. Zinner, <u>Astronomie. Geschichte ihrer Probleme</u>		n.d.
Textual	MG31 J 16	40	13	J.W. Abrams - "Tradition and Revolution"		n.d.
Textual	MG31 J 16	40	14	J.W. Abrams - "Tradition and Revolution" - Rough draft and final		n.d.
Textual	MG31 J 16	40	15	John W. Abrams - Untitled manuscript on the Future of Literacy		n.d.
Textual	MG31 J 16	40	16	John W. Abrams - Lecture on the Meaning of Revolutionary Change and the Influence of the Computer		n.d.
Textual	MG31 J 16	40	17	John W. Abrams - Notebook on History of Science and Technology (on cover, "Shorthand Schools Reporters")		n.d.
Textual	MG31 J 16	40	18	John W. Abrams - History of Science, untitled lecture in four parts		n.d.
Textual	MG31 J 16	40	19	John W. Abrams - Manuscript notes for untitled, unidentified lecture on the relationship between the history of science and science of today		n.d.
Textual	MG31 J 16	40	20	John W. Abrams - Untitled, unidentified page dealing with the history of technology		n.d.
University of Toronto, History of Science and Technology - f) Papers by other authors						
Textual	MG31 J 16	40	21	History of Astronomy essay, author unknown		n.d.
Textual	MG31 J 16	40	22	Articles on Ancient Civilization and Technology		1966
Textual	MG31 J 16	40	23	H. Aspden, "The Fundamental Nature of Gravitation"		1966
Textual	MG31 J 16	40	24	K.E. Bailes, "Soviet Technical Specialists and Political Power"		1978
Textual	MG31 J 16	40	25	A.D. Booth, "The Computer and the University"		n.d.
Textual	MG31 J 16	40	26	M. Bunge, "Proposal for the Creation of a Foundations and Philosophy of Science Institute"		n.d.
Textual	MG31 J 16	40	27	Daniel Callahan, Sissela Bok - "The Role of Applied Ethics in Learning"		September 1979
Textual	MG31 J 16	40	28	Essay on Cosmology, Astronomy and Various Models, plus graph of Time-Density Relationships, author unknown		n.d.
Textual	MG31 J 16	40	29	B.G. Doran, "Demechanization of Fields"		n.d.
Textual	MG31 J 16	40	30	Marcel Florkin, Personality and Scientific Research		n.d.
Textual	MG31 J 16	40	31	Internal Combustion Engine History		n.d.
Textual	MG31 J 16	40	32	R.A. Jarrell, "The Mastlin-Clavius Controversy"		1977
Textual	MG31 J 16	40	33	W. Mays, "Teaching in the History and Philosophy of Science"		n.d.
Textual	MG31 J 16	40	34	Lewis Mumford, The Automation of Knowledge		n.d.
Textual	MG31 J 16	40	35	Joseph Needham, "The Roles of Europe and China in the Evolution of Oecumenical Science"		1967
Textual	MG31 J 16	40	36	H.J.B. Nevitt, ""The Future of Science: An Endless Striving to Know How and Why and to Think and Do Everything"		1966
Textual	MG31 J 16	40	37	R.A. Peck, "Boethius and the Compass of the Mind: An Assessment of His Contributions to Medieval Thought"		n.d.

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Textual	MG31 J 16	40	38	H. Plotkin, "A Guide to the Teaching of History of Science in Canada"		1972
Textual	MG31 J 16	40	39	J.A. Richardson, "The Development of Chemistry"		n.d.
Textual	MG31 J 16	40	40	H.D. Roller, "The Teaching of History of Science in the United States"		1965
Textual	MG31 J 16	40	41	A.E. Roos, "An Interpretation of the Hypotheses of the Planets of Claudius Ptolemy"		n.d.
Textual	MG31 J 16	40	42	Abraham Rotstein, Melville H. Watkins, "The Outer Man: Technology and Alienation"		1965
Textual	MG31 J 16	40	43	Science, Technology and Environment - Clippings, cartoon		1970
Textual	MG31 J 16	40	44	George V. Sinclair, William V. Tilston, "Technology and Engineering", <i>Canadian Electrical Engineering Journal</i> , vol. 4, no. 4		1979
Textual	MG31 J 16	40	45	B.R. Smith, "The Contest of Apollo and Marsyas: Ideas about Music in the Middle Ages"		n.d.
Textual	MG31 J 16	40	46	"Some Notes on Mathematical Models of Socio-Technological Systems"		n.d.
Textual	MG31 J 16	40	47	Wesley M. Stevens, Reports of research project on "The Diffusion of Computistical Theory, AD. 725-850"		1977-1979
Textual	MG31 J 16	40	48	M.S. Staum, "Medical Components of Cabanis's Science of Man"		n.d.
Textual	MG31 J 16	40	49	Darko Suvin, "A Grammar of Form and a Criticism of Fact: 'The Machine' as a Structural Model for Science Fiction"		n.d.
Textual	MG31 J 16	40	50	Teaching and research - Papers from University of British Columbia History Workshop - History of Science and Technology		22-24 October 1971
Textual	MG31 J 16	40	51	Peter Temin, Review of A.D. Chandler Jr., <u>The Visible Hand: The Managerial Revolution in American Business</u>		n.d.
Textual	MG31 J 16	41	1	G.B. Thompson, Communications		1975-1976
Textual	MG31 J 16	41	2	Imre Toth, "The Problem of Parallels in Corpus Aristotelicum"		n.d.
Textual	MG31 J 16	41	3	Essay on the History of Astronomy	Unidentified essay, sent to J. W. Abrams by Professor G. N. Conklin. Essay deals with the history of astronomy, typescript, 33 pages.	1950
Textual	MG31 J 16	41	4	Université de Montreal, Institute d'Histoire et de Sociopolitique des Sciences - Programme outline and attachment		n.d.
Textual	MG31 J 16	41	5	University of Stuttgart, History of Science and Technology		1971
Textual	MG31 J 16	41	6	B.E. Wall, "Anatomy of Precursor"		1975
Textual	MG31 J 16	41	7	James A. Weisheipl, "The Contribution of Thomas Aquinas to the Validity and Value of Natural Philosophy"		n.d.
Textual	MG31 J 16	41	8	W. White Jr., "An Assyrian Physician's Vade Mecum"		1967
Textual	MG31 J 16	41	9	W. White Jr., "Radiocarbon Dating"		n.d.
Textual	MG31 J 16	41	10	W. White Jr., Bibliography, references		n.d.
University of Toronto, History of Science and Technology - g) Conferences on History of Science and Technology and research projects						
Textual	MG31 J 16	41	11	Automation and Social Change Conference, Toronto		1955
Textual	MG31 J 16	41	12	Dictionary of Scientific Biography		1963-1965
Textual	MG31 J 16	41	13	XIle Congres International d'Histoire des Sciences		1968
Textual	MG31 J 16	41	14	Imperial Collage (UK), History of Technology Symposium		1977
Textual	MG31 J 16	41	15--21	International C.N.R.S. Symposium No. 538 - Papers on Industrial Revolution and Technology Transfer		1970
Textual	MG31 J 16	41	22	International Congress On History of Science, Moscow		1971
Textual	MG31 J 16	41	23	Canadian Committee for the 500th Anniversary of Copernicus		1972-1973
Textual	MG31 J 16	41	24	Copernicus Celebrations		1973
Textual	MG31 J 16	41	25	University of Montreal, N. Copernicus Committee		1973
Textual	MG31 J 16	41	26--27	University of British Columbia, Institute of International Relations, "Canadian Professors Concerned with International Problems: A Survey"		1973
Textual	MG31 J 16	41	28	University of British Columbia, Institute of International Relations, "Federal Government Departments Concerned with International Problems: A Survey"		[1973]

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	41	29	University of British Columbia, Conference on the State of Canadian Bibliography		1974
Textual	MG31 J 16	41	30	Rome Conference: "Aquinas and the Fundamental Problems of Our Time"		1974
Textual	MG31 J 16	41	31	Seventh Centenary of St. Thomas Aquinas, research trip		1974
Textual	MG31 J 16	41	32	Proposed 5th International Congress for Logic, Methodology and Philosophy of Science		1975
Textual	MG31 J 16	41	33	Conference on the Study of the History of Canadian Science - List of registrants and papers		1978
Textual	MG31 J 16	41	34	J. Gordon Parr, "The Workshop on Invention and Discovery" - Account of discussion at Conference on the Study of The History of Canadian Science and Technology, Queen's University, Kingston		4 November 1978
Textual	MG31 J 16	41	35	Human Context for Science and Technology, National Conference - List of participants		1980
Textual	MG31 J 16	41	36	Human Context for Science and Technology, Second Western Regional Workshop		1980
Textual	MG31 J 16	41	37	Human Context for Science and Technology, Atlantic Regional Workshop		[1980]
Textual	MG31 J 16	41	38	Human Context for Science and Technology, Ontario Regional Group, first meeting		1980
Textual	MG31 J 16	41	39	Human Context for Science and Technology, Ontario Regional Group, second meeting		1980
Textual	MG31 J 16	41	40	Senate Committee on the Needs of the Aged - Matters for enquiry by		n.d.
Textual	MG31 J 16	41	41	Siam National Meeting, Washington, DC.		1969
Textual	MG31 J 16	41	42	Société Internationale pour l'Étude de la Philosophie Medievale, IVth International Congress		1967
Textual	MG31 J 16	41	43	University of Aston, Research Colloquia		1974
Marshall McLuhan and the Centre for Culture and Technology						
Textual	MG31 J 16	42	1	J. W. Abrams and Marshall McLuhan, Communications and Cultures, part 1	File includes: M. McLuhan, "The Government and the Governed" (mimeographed typescript, 15 pages), and J. W. Abrams, "Technology and Media" (mimeographed typescript, 25 pages).	n.d.
Textual	MG31 J 16	42	2	J. W. Abrams and Marshall McLuhan, Communications and Cultures, part 2	File includes: M. McLuhan, "The Public and Private Sectors in The Electric Age" (mimeographed typescript, 19 pages, 1964); J. W. Abrams, "Technology and Media" (various drafts); and J. W. Abrams, notes on McLuhan's Gutenberg Thesis.	1964, n.d.
Textual	MG31 J 16	42	3	J. W. Abrams and Marshall McLuhan, Communications and Cultures, part 3	File includes: M. McLuhan, "The Hemispheres and the Media" (mimeographed typescript, 21 pages, 1977); J. W. Abrams, "Technology and Media" (mimeographed typescript, 21 pages); and notes by Abrams.	1977, n.d.
Textual	MG31 J 16	42	4	J. W. Abrams and Marshall McLuhan, Communications and Cultures, part 4	File includes: R.L. Schoenwald "Training Urban Man: A Hypothesis About the Sanitary Movement" (mimeographed typescript, 23 pages, 1973); Playboy interview with M. McLuhan, 1969; and J. W. Abrams' notes on Technology.	1969, 1973, n.d.
Textual	MG31 J 16	42	5	J. W. Abrams and Marshall McLuhan, Communications and Cultures, part 5		n.d.
Textual	MG31 J 16	42	6	Marshall McLuhan, "The Brain and the Media: The 'Western' Hemisphere"		1978
Textual	MG31 J 16	42	7	Marshall McLuhan, notes on cinematographic sequences		n.d.

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Textual	MG31 J 16	42	8	Marshall McLuhan, "Notes from Hermosa: On the Global Dilemma"	Mimeographed typescript, 55 pages.	n.d.
Textual	MG31 J 16	42	9	Marshall McLuhan, On Visual Space	Mimeographed typescript, 43 pages.	n.d.
Textual	MG31 J 16	42	10	Marshall McLuhan - Speeches at the Symposium of the Place and Function of Art in Contemporary Life	Transcripts of tapes.	1976
Textual	MG31 J 16	42	11	Marshall McLuhan and B. Logan, "Alphabet, Mother of Invention"	Abstract, 3 pages.	1976
Textual	MG31 J 16	42	12	Marshall McLuhan, B. Nevitt, "Causality in the Electric World"	Mimeographed typescript, 29 pages.	1971
Textual	MG31 J 16	42	13	A. Bernholtz, "The Relation of the Computer World to Architectural Design"		1964
Textual	MG31 J 16	42	14	M.H. Watkins, "Nationalism and Media"		1965
Textual	MG31 J 16	42	15	University of Toronto, Centre for Culture and Technology - Correspondence		12 November 1962-5 November 1963
Textual	MG31 J 16	42	16	University of Toronto, Centre for Culture and Technology - History		1963
Textual	MG31 J 16	42	17	University of Toronto, Centre for Culture and Technology - Media and Society class lists		1963-1979
Textual	MG31 J 16	42	18	University of Toronto, Centre for Culture and Technology - Marshall McLuhan personnel file		1963-1979
Textual	MG31 J 16	42	19	University of Toronto, Centre for Culture and Technology - Publications		1963-1980
Textual	MG31 J 16	42	20	University of Toronto, Centre for Culture and Technology - Various		1964-1980
Textual	MG31 J 16	42	21	University of Toronto, Centre for Culture and Technology - Science and Arts Conference and Exhibition		1966
Textual	MG31 J 16	42	22	University of Toronto, Centre for Culture and Technology - Budget		1973
Textual	MG31 J 16	42	23--25	University of Toronto, Centre for Culture and Technology - Review Committee of		1980
Textual	MG31 J 16	42	26--28	University of Toronto, Centre for Culture and Technology - McLuhan Program Search Committee		1981
Textual	MG31 J 16	42	29	Marshall McLuhan - Press clippings		1981
Textual	MG31 J 16	42	30	Marshall McLuhan - Memorial tributes		1981
Queen's University: Teaching - a) M.B.A. course no. 962						
Textual	MG31 J 16	45	1	Queen's University, M.B.A. course no. 962 - Assignments		[ca. 1960s]
Textual	MG31 J 16	45	2--14	Queen's University, M.B.A. course no. 962 - Lectures, assignments		[ca. 1960s]
Queen's University: Teaching - b) Commerce course no. 50						
Textual	MG31 J 16	45	15	Queen's University, Commerce course no. 50 - Lectures, assignments		[ca. 1960s]
Queen's University: Teaching - c) Examinations						
Textual	MG31 J 16	45	16	Queen's University, School of Business - Teaching - Business Administration 103 - Examination		1964
Textual	MG31 J 16	45	17	Queen's University, School of Business - Teaching - Business Administration 251 - Examinations		1963-1965
Textual	MG31 J 16	45	18	Queen's University, School of Business - Teaching - Operational Research - Examination		1965
Textual	MG31 J 16	45	19	Queen's University, School of Business - Teaching - Business Administration 962 - Examination		1965
Textual	MG31 J 16	45	20	Queen's University - M.B.A. course no. 962 - Examination		[1965]
Textual	MG31 J 16	45	21	Queen's University, School of Business - Teaching - Commerce 50 - Examinations		1964-1965
Textual	MG31 J 16	45	22	Queen's University, School of Business - Teaching - Commerce 362 - Examination		1966
Queen's University: Teaching - d) Articles on Operational Research and Management						
Textual	MG31 J 16	45	23	Queen's University, School of Business - <u>Operational Research: Its Implications for Management, A Seminar for Middle and Senior Managers</u> , May 9-10, 1963	Programme, participants, various papers.	1963

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Textual	MG31 J 16	45	24	Queen's University, School of Business - <u>Perspectives on Management Conference</u>		9-13 May 1966
Textual	MG31 J 16	45	25	J.W. Abrams, "What Will Management Science do to Business"	Lecture presented at Queen's University, 22 pages.	May 1966
Physics Lectures on the Upper Atmosphere						
Textual	MG31 J 16	47	1	The Physics of the Upper Atmosphere lecture by T.R. Hartz, "The Earth's Atmosphere and its Dependence on Solar Radiations" (33 pages)		n.d.
Textual	MG31 J 16	47	2	The Physics of the Upper Atmosphere lecture II, by J.S. Belrose, "The Ionosphere - Information and Variation of the Ionospheric Layers" (43 pages)		n.d.
Textual	MG31 J 16	47	3	The Physics of the Upper Atmosphere lecture III, by C.O. Hines, "Atmospheric Waves in the Ionosphere" (39 pages)		n.d.
Textual	MG31 J 16	47	4	The Physics of the Upper Atmosphere lecture IV, by J.A. Fejer, "Tidal Motions of the Atmosphere; Associated Dynamocurrent Systems and Geomagnetic Variations" (40 pages)		n.d.
Textual	MG31 J 16	47	5	The Physics of the Upper Atmosphere lecture V, by R.E. Barrington, "Radio Propagation in an Ionized Medium" (35 pages)		n.d.
Textual	MG31 J 16	47	6	The Physics of the Upper Atmosphere lecture VI (part A), J.S. Belrose, "Propagation of Low and Very Low Frequency Radio Waves" (24 pages)		n.d.
Textual	MG31 J 16	47	7	The Physics of the Upper Atmosphere lecture VI (part B), by R.E. Barrington, "Whistler Propagation" (17 pages)		n.d.
Textual	MG31 J 16	47	8	The Physics of the Upper Atmosphere lecture VII, by J.A. Fejer, "Wave Propagation in an Inhomogeneous Medium" (42 pages)		n.d.
Textual	MG31 J 16	47	9	The Physics of the Upper Atmosphere lecture VIII, by E.S. Warren, "Ionograms: Limitations on High Frequency Communications" (23 pages)		n.d.
Textual	MG31 J 16	47	10	The Physics of the Upper Atmosphere lecture IX, by W. J. Heikkila, "Summary of Experimental Techniques for the Study of the Undisturbed Upper Atmosphere" (17 pages)		n.d.
Textual	MG31 J 16	47	11	The Physics of the Upper Atmosphere lecture X, by C.O. Hines, "Introduction to the Disturbed Upper Atmosphere" (21 pages)		n.d.
Textual	MG31 J 16	47	12	The Physics of the Upper Atmosphere lecture XI, by T.R. Hartz, "Solar Control of Upper Atmospheric Disturbances" (34 pages)		n.d.
Textual	MG31 J 16	47	13	The Physics of the Upper Atmosphere lecture XII, by C. Collins, "Sudden Ionospheric Disturbances" (43 pages)		n.d.
Textual	MG31 J 16	47	14	The Physics of the Upper Atmosphere lecture XIII, by W.J. Heikkila, "Individual Particle Motions in the Geomagnetic Field" (22 pages)		n.d.
Textual	MG31 J 16	47	15	The Physics of the Upper Atmosphere lecture 13B, by J.A. Fejer, "Plasma Interaction with the Geomagnetic Field; Earth Currents and Micropulsations" (27 pages)		n.d.
Textual	MG31 J 16	47	16	The Physics of the Upper Atmosphere lecture XIV, by R.E. Barrington, "Very Low Frequency Emissions (Including Dawn Chorus) and Particle-Wave Interactions" (22 pages)		n.d.
Textual	MG31 J 16	47	17	The Physics of the Upper Atmosphere lecture XV, by W.J. Heikkila, "Auroral Phenomena" (27 pages)		n.d.
Textual	MG31 J 16	47	18	The Physics of the Upper Atmosphere lecture XVI, by B.C. Blevis, "Radar Aurora" (32 pages)		n.d.
Textual	MG31 J 16	47	19	The Physics of the Upper Atmosphere lecture XVII, part II, by C. Collins, "Radio Aurora as Observed by Forward Scattering" (26 pages)		n.d.
Textual	MG31 J 16	47	20	The Physics of the Upper Atmosphere lecture XVII, by T.R. Harts, "Radio Wave Absorption" (21 pages)		n.d.
Textual	MG31 J 16	47	21	The Physics of the Upper Atmosphere lecture XVIII, by J.S. Belrose, "Abnormal Ionospheric Variations Associated with Ionospheric Storms" (41 pages)		n.d.

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Textual	MG31 J 16	47	22	The Physics of the Upper Atmosphere lecture XIX, by I. Paghis, "Abnormal Magnetic Variations, or Magnetic Storm" (20 pages)		n.d.
Textual	MG31 J 16	47	23	The Physics of the Upper Atmosphere lecture XX, by I. Paghis, "Summary on the Disturbed Upper Atmosphere" (23 pages)		n.d.
Teaching, Wesleyan University						
Textual	MG31 J 16	49	19	J.W. Abrams, Wesleyan University - Humanities Course 1	Course bibliography and assignment schedule.	1946-1947
Textual	MG31 J 16	49	20	Anonymous, "God's Omniscience and Human Freedom", used in Wesleyan University, Humanities courses		[ca. 1947]
Textual	MG31 J 16	49	21	Brown, N. O., "Notes on the Greek Readings", used in Wesleyan University, Humanities courses		[ca. 1947]
Textual	MG31 J 16	49	22	Everett, J. R., "Notes on Augustine's <u>Confessions</u> ", used in Wesleyan University, Humanities courses		[ca. 1947]
Textual	MG31 J 16	49	23	Everett, J. R., "Introductory notes on Aquinas", used in Wesleyan University, Humanities courses		[ca. 1947]
Textual	MG31 J 16	49	24	J.W. Abrams, Wesleyan University - Humanities course questionnaire		[ca. 1947]
Textual	MG31 J 16	49	25	J.W. Abrams, Wesleyan University - Humanities course laboratory procedure instructions		[ca. 1947]
Textual	MG31 J 16	49	26	J.W. Abrams, Wesleyan University, "Report on Humanities 1-2 for the year 1947-1948"		[ca. 1947]
Astronomy: Lecture courses by B. J. Bok and L. H. Aller, and printed bulletins						
Textual	MG31 J 16	63	12	Bok, B. J., "Twelve Seminars on Stellar Statistics given during June 1936 at Yerkes Observatory"		1936
Textual	MG31 J 16	63	13	Harvard College Observatory, "Bulletin of the Panel on the Orbits of Eclipsing Binaries"	Issues of September 1946 and April 1947.	September 1946, April 1947
Textual	MG31 J 16	63	14	Aller, L. H., "An Introduction to Astrophysics, Stellar Atmosphere and Stellar Interiors, part 2"		1947
Textual	MG31 J 16	63	15	Aller, L. H., "An Introduction to Astrophysics, Nuclear Transformations and Stellar Energy Generation, part 3"		1947
McGill and Queen's Universities: Teaching Operational Research						
Textual	MG31 J 16	63	16	J.W. Abrams, McGill University, Department of University Extension and School of Commerce - Examinations in O.R. courses D-9 and D-18		1963-1964
Textual	MG31 J 16	63	17	J.W. Abrams, Queen's University, School of Business Administration - Lecture titled "Linear Programming" for Commerce 50 course and Commerce 362 examination		1965
Correspondence series						
Correspondence files from the residence of Dr. J.W. Abrams						
Textual	MG31 J 16	12	1	Correspondence		n.d.
Textual	MG31 J 16	12	2	J.W. Abrams - University of California - Application for National Research Fellowship in the Natural Sciences		1939
Textual	MG31 J 16	12	3	Correspondence		1938-1939
Textual	MG31 J 16	12	4	Correspondence		1940
Textual	MG31 J 16	12	5	Correspondence		1945
Textual	MG31 J 16	12	6	Correspondence		1946
Textual	MG31 J 16	12	7	Correspondence		1947
Textual	MG31 J 16	12	8	Correspondence		1948
Textual	MG31 J 16	12	9	Correspondence		1949
Textual	MG31 J 16	12	10	Correspondence		1950
Textual	MG31 J 16	12	11	Correspondence		1951
Textual	MG31 J 16	12	12	Operational Research, Military correspondence		1951-1952
Textual	MG31 J 16	12	13	Correspondence		1952
Textual	MG31 J 16	12	14	Correspondence		1953
Textual	MG31 J 16	12	15	Correspondence		1954
Textual	MG31 J 16	12	16	Correspondence		1958
Textual	MG31 J 16	12	17	Correspondence		1960
Textual	MG31 J 16	12	18	Correspondence		1961
Textual	MG31 J 16	12	19	Correspondence - Demi-official, outgoing		1961-1962
Textual	MG31 J 16	12	20	Correspondence - Demi-official, incoming		1961-1962

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Textual	MG31 J 16	12	21	Correspondence - Personal		1962
Textual	MG31 J 16	12	22	Correspondence		1962
Textual	MG31 J 16	12	23	Correspondence		1963
Textual	MG31 J 16	12	24	Operational Research - Correspondence and reports (as filed by Dr. Abrams)		1963-1977
Textual	MG31 J 16	12	25	Correspondence and research data on carbon brushes in GMD traction motors, operated by C.P.R.		1963
Textual	MG31 J 16	12	26	Correspondence		1964
Textual	MG31 J 16	12	27	Correspondence		1965
Textual	MG31 J 16	12	28--30	Correspondence		1966
Textual	MG31 J 16	12	31	Correspondence		1967
Textual	MG31 J 16	12	32	Correspondence - Personal		1966-1968
Textual	MG31 J 16	12	33	Mario Bunge - Proposal for the creation of a Foundations and Philosophy of Science Institute - Text, correspondence		1968
Textual	MG31 J 16	12	34	Correspondence		1968
Textual	MG31 J 16	12	35	Correspondence		1969
Textual	MG31 J 16	12	36	Operational Research - General correspondence		1969-1973
Textual	MG31 J 16	12	37--39	Correspondence		1970-1971
Textual	MG31 J 16	13	1	Correspondence		1970
Textual	MG31 J 16	13	2	Claude Bissell gift correspondence		1971
Textual	MG31 J 16	13	3	Correspondence		1971
Textual	MG31 J 16	13	4--7	Correspondence		1971-1972
Textual	MG31 J 16	13	8	Operations Research, Aarhus School of Business Administration		1972
Textual	MG31 J 16	13	9	Correspondence		1972
Textual	MG31 J 16	13	10	Canada Studies Foundation - Correspondence		1972
Textual	MG31 J 16	13	11--15	Correspondence		1972-1973
Textual	MG31 J 16	13	16--17	Correspondence		1973
Textual	MG31 J 16	13	18	Correspondence		1974
Textual	MG31 J 16	13	19	Correspondence		1975
Textual	MG31 J 16	13	20	Correspondence - Patrick Rivett, University of Sussex		1976
Textual	MG31 J 16	13	21	Correspondence		1976
Textual	MG31 J 16	13	22	Correspondence		1977
Textual	MG31 J 16	13	23	Correspondence		1978
Textual	MG31 J 16	13	24	Correspondence		1979
Textual	MG31 J 16	13	25	Correspondence		1980
Textual	MG31 J 16	13	26	Unidentified questionnaire from Department of Philosophy, University of Western Ontario		1980
Textual	MG31 J 16	13	27	Correspondence		1981
Correspondence files from office Dr. J.W. Abrams, Department of Industrial Engineering, University of Toronto						
Textual	MG31 J 16	13	28	Correspondence		January-March 1964
Textual	MG31 J 16	13	29	Correspondence		April-June 1964
Textual	MG31 J 16	13	30	Correspondence		July-September 1964
Textual	MG31 J 16	13	31--32	Correspondence		October-December 1964
Textual	MG31 J 16	14	1--3	Correspondence		January-March 1965
Textual	MG31 J 16	14	4--5	Correspondence		April-June 1965
Textual	MG31 J 16	14	6	Correspondence		July-September 1965
Textual	MG31 J 16	14	7	Correspondence		October-December 1965
Textual	MG31 J 16	14	8--10	Department of Industrial Engineering - External correspondence		1964-1967
Textual	MG31 J 16	14	11--12	Department of Industrial Engineering - External correspondence		1964-1968
Textual	MG31 J 16	14	13--14	Correspondence		1963
Textual	MG31 J 16	14	15	Correspondence		1964
Textual	MG31 J 16	14	16--17	Correspondence		1965
Textual	MG31 J 16	14	18	Correspondence		1967
Textual	MG31 J 16	14	19	Correspondence		1968

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Textual	MG31 J 16	14	20--22	Correspondence		1969
Textual	MG31 J 16	15	1--2	Correspondence		1970
Textual	MG31 J 16	15	3	Correspondence		1971
Textual	MG31 J 16	15	4	Correspondence		1972
Textual	MG31 J 16	15	5	Correspondence		1973
Textual	MG31 J 16	15	6--8	Correspondence		1974
Textual	MG31 J 16	15	9	Correspondence		1975
Textual	MG31 J 16	15	10	Correspondence		1976
Textual	MG31 J 16	15	11	Correspondence		1977
Textual	MG31 J 16	15	12	Correspondence relating to visit of Professor Alexander A. Maslin		1977-1978
Textual	MG31 J 16	15	13	Correspondence		1980
Textual	MG31 J 16	15	14	Correspondence		1981
Alphabetical files from office Dr. J.W. Abrams, Department of Industrial Engineering, University of Toronto						
Textual	MG31 J 16	15	15	Alphabetical file "A"		[ca. 1962-1967]
Textual	MG31 J 16	15	16--19	Alphabetical file "B"		[ca. 1962-1967]
Textual	MG31 J 16	15	20--21	Alphabetical file "C"		[ca. 1962-1967]
Textual	MG31 J 16	16	1--2	Alphabetical file "D"		[ca. 1962-1967]
Textual	MG31 J 16	16	3	Alphabetical file "F"		[ca. 1962-1967]
Textual	MG31 J 16	16	4	Alphabetical file "G"		[ca. 1962-1967]
Textual	MG31 J 16	16	5--7	Alphabetical file "H"		[ca. 1962-1967]
Textual	MG31 J 16	16	8--9	Alphabetical file "K"		[ca. 1962-1967]
Textual	MG31 J 16	16	10	Alphabetical file "L"		[ca. 1962-1967]
Textual	MG31 J 16	16	11--12	Alphabetical file "M"		[ca. 1962-1967]
Textual	MG31 J 16	16	13	Alphabetical file "N"		[ca. 1962-1967]
Textual	MG31 J 16	16	14	Alphabetical file "O"		[ca. 1962-1967]
Textual	MG31 J 16	16	15--17	Alphabetical file "P"		[ca. 1962-1967]
Textual	MG31 J 16	16	18	Alphabetical file "R"		[ca. 1962-1967]
Textual	MG31 J 16	17	1--4	Alphabetical file "S"		[ca. 1962-1967]
Textual	MG31 J 16	17	5	Alphabetical file "T"		[ca. 1962-1967]
Textual	MG31 J 16	17	6	Alphabetical file "V"		[ca. 1962-1967]
Textual	MG31 J 16	17	7--9	Alphabetical file "W"		[ca. 1962-1967]
Correspondence Files						
Textual	MG31 J 16	49	27	J.W. Abrams, correspondence		n.d.
Textual	MG31 J 16	49	28	J.W. Abrams, correspondence		1936-1958
Textual	MG31 J 16	49	29	J.W. Abrams, correspondence		1962
Textual	MG31 J 16	49	30	J.W. Abrams, correspondence		1963
Textual	MG31 J 16	49	31	J.W. Abrams, correspondence		1964
Textual	MG31 J 16	49	32	J.W. Abrams, correspondence		1965
Textual	MG31 J 16	50	1	J.W. Abrams, correspondence		1966
Textual	MG31 J 16	50	2	J.W. Abrams, correspondence		1967
Textual	MG31 J 16	50	3	J.W. Abrams, correspondence		1968
Textual	MG31 J 16	50	4	J.W. Abrams, correspondence		1969
Textual	MG31 J 16	50	5	J.W. Abrams, correspondence		1970
Textual	MG31 J 16	50	6	J.W. Abrams, correspondence		1971
Textual	MG31 J 16	50	7	J.W. Abrams, correspondence		1972
Textual	MG31 J 16	50	8	J.W. Abrams, correspondence		1973
Textual	MG31 J 16	50	9	J.W. Abrams, correspondence		1974
Textual	MG31 J 16	50	10	J.W. Abrams, correspondence		1975
Textual	MG31 J 16	50	11	J.W. Abrams, correspondence		1976
Textual	MG31 J 16	50	12	J.W. Abrams, correspondence		1977
Textual	MG31 J 16	50	13	J.W. Abrams, correspondence		1978
Textual	MG31 J 16	50	14	J.W. Abrams, correspondence		1979
Textual	MG31 J 16	50	15	J.W. Abrams, correspondence		1980
Textual	MG31 J 16	50	16	J.W. Abrams, correspondence		1981
Learned Societies series						
Files on specific societies and institutions excluding C.O.R.S. and ICOTEC						
Textual	MG31 J 16	17	10	American Institute of Industrial Engineers Inc. - Correspondence		1964, 1966
Textual	MG31 J 16	17	11	American Institute of Industrial Engineering		1969-1972
Textual	MG31 J 16	17	12	American Institute of Physics, Centre for the History of Physics		1969-1973

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Textual	MG31 J 16	17	13	Association for Eighteenth Century Studies		1970-1971
Textual	MG31 J 16	17	14	Association for Systems Management, Spring Conference, Toronto		1969
Textual	MG31 J 16	17	15	British Society for History of Science - Meetings, reports and correspondence		1965-1973
Textual	MG31 J 16	17	16	British Society for History of Science - Meetings, reports		1973-1974
Textual	MG31 J 16	17	17	British Society for Philosophy of Science - Annual General Meeting		1969
Textual	MG31 J 16	17	18	British Society for Philosophy of Science - Annual Conference		1970
Textual	MG31 J 16	17	19	British Society for Philosophy of Science - Annual Conference		1973
Textual	MG31 J 16	17	20	Canadian Academic Centre in Italy - Opening		1979
Textual	MG31 J 16	17	21	Canadian Aeronautics and Space Institute - Advertising brochure for a Symposium of the Canadian Aeronautics and Space Institute Propulsion Section, Ottawa		16-17 March 1964
Textual	MG31 J 16	17	22	Canadian Association of Physicists - Study of Enrollment Trends		1969
Textual	MG31 J 16	17	23	Canadian Association of Physicists - <u>Student Attitudes Toward Science and Technology</u> - Reports and correspondence		1971
Textual	MG31 J 16	17	24	Canadian Association of University Teachers of German - Financial report		1974
Textual	MG31 J 16	17	25	Canadian Linguistic Association - Financial audit		1974
Textual	MG31 J 16	18	1	Canadian National Committee for the International Council of Scientific Unions - Conference, Ottawa		1974
Textual	MG31 J 16	18	2	Canadian Society for the History of Medicine - General by-laws		n.d.
Textual	MG31 J 16	18	3	Canadian Society for the History of Medicine - Correspondence		1975, 1977-1978
Textual	MG31 J 16	18	4	Canadian Society for the History and Philosophy of Science - Correspondence and minutes		1971-1972
Textual	MG31 J 16	18	5	Canadian Society for the Study of the History and Philosophy of Science - Meeting		29-31 May 1972
Textual	MG31 J 16	18	6	Canadian Society for the History and Philosophy of Science - Convention, Kingston		1973
Textual	MG31 J 16	18	7	Canadian Society for the History and Philosophy of Science - Correspondence and minutes		1973
Textual	MG31 J 16	18	8	Canadian Society for the Study of the History and Philosophy of Science - Correspondence		1973
Textual	MG31 J 16	18	9	Canadian Society for the History and Philosophy of Science - Constitution, minutes, correspondence and membership lists		1973-1976
Textual	MG31 J 16	18	10	Canadian Society for the History and Philosophy of Science - Correspondence and minutes		1974
Textual	MG31 J 16	18	11	Canadian Society for the History and Philosophy of Science - Learned Societies Meeting, Toronto		1974
Textual	MG31 J 16	18	12	Canadian Society for the History and Philosophy of Science - Correspondence and minutes		1975-1978
Textual	MG31 J 16	18	13	Canadian Society for the Study of the History and Philosophy of Science - Conference, Fredericton		1977
Textual	MG31 J 16	18	14	Canadian Society of the History and Philosophy of Science - Conference, Montreal		1980
Textual	MG31 J 16	18	15	Canadian Society for the Study of the History and Philosophy of Science - St. Lawrence Region Branch - Minutes		1975
Textual	MG31 J 16	18	16-17	Canadian Society for the Study of the History and Philosophy of Science - Correspondence		1972
Textual	MG31 J 16	18	18	Canadian Society for the Study of the History and Philosophy of Science - Correspondence		1973
Textual	MG31 J 16	18	19	Canadian Society for the History and Philosophy of Science - Toronto/Upper Canada Section		1973
Textual	MG31 J 16	18	20	Canadian Society for the History and Philosophy of Science - Upper Canada Branch		1975-1976
Textual	MG31 J 16	18	21	Canadian Society for the Study of the History of Philosophy of Science - Minutes		1978
Textual	MG31 J 16	18	22	The Classical Association of Canada - Financial Report		1974
Textual	MG31 J 16	18	23	Comité International pour la Métrologie Historique		1974

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Textual	MG31 J 16	18	24	Department of National Health and Welfare - Inventory of Research Projects		1969-1971
Textual	MG31 J 16	18	25	Economic Council of Canada - Correspondence		1970
Textual	MG31 J 16	18	26	The Hannah Institute for History of Medical and Related Sciences - Correspondence, minutes and other papers		1977-1981
Textual	MG31 J 16	18	27--28	The Hannah Institute for History of Medical and Related Sciences - Mediat		1976-1981
Textual	MG31 J 16	18	29	The Harold Innis Foundation - Financial statements		1971
Textual	MG31 J 16	18	30	The Harvard Club of Toronto - Correspondence		1972
Textual	MG31 J 16	18	31	Harvard Graduate Society for Advanced Study and Research - Correspondence		1971
Textual	MG31 J 16	19	1--2	History of Science Society (ISIS) - Correspondence, newsletters and reports		1969-1973
Textual	MG31 J 16	19	3	Hospital Management Systems Society - Correspondence		1972
Textual	MG31 J 16	19	4	Humanities Research Council of Canada - Highly Qualified Manpower Committee		1971-1972
Textual	MG31 J 16	19	5	Humanities Research Council of Canada - Various Committees		1972-1973
Textual	MG31 J 16	19	6	Humanities Research Council of Canada - "Future Employment of Doctorates in the Humanities"		1977
Textual	MG31 J 16	19	7	Humanities Research Council Committee on the Nature of the Graduate Programme		1972-1973
Textual	MG31 J 16	19	8	Industrial Management Society - Brochures		1969-1970
Textual	MG31 J 16	19	9	The Institute of Management Sciences - Correspondence and various papers		1965-1973
Textual	MG31 J 16	19	10	The Institute of Management Studies - European Meeting		1968
Textual	MG31 J 16	19	11	The Institute of Management Studies and the Operations Research Society of America - Conference, San Francisco		1976-1977
Textual	MG31 J 16	19	12	International Congress on Science Thru (sic) XIV Centuries of Islam - Proposal for		1983
Textual	MG31 J 16	19	13	International Congress of the History of Sciences - Agenda, Moscow Conference		1974
Textual	MG31 J 16	19	14	International Council of Scientific Unions - Reports, minutes and papers		1963-1971
Textual	MG31 J 16	19	15	International Council of Scientific Unions - Reports, minutes and papers		1971
Textual	MG31 J 16	19	16--18	International Council of Scientific Unions - Reports, minutes and papers		1972
Textual	MG31 J 16	19	19	International Federation of Operational Research Societies - Correspondence		1969-1972
Textual	MG31 J 16	19	20	International Federation of Operational Research Societies - Correspondence, information sheets, courses at University of Lancaster		1966-1969
Textual	MG31 J 16	19	21--23	International Federation of Operational Research Societies - Conference, Dublin		1972
Textual	MG31 J 16	19	24	International Institute for Applied Systems Analysis "Questionnaire Concerning the Structure and Content of IIASA Survey Project Publications"		1975
Textual	MG31 J 16	19	25	International Union of the History and Philosophy of Science (IUHPS)		1968
Textual	MG31 J 16	19	26	International Union of the History and Philosophy of Science - Convention, Tokyo		1974
Textual	MG31 J 16	19	27	International Union of the History and Philosophy of Science - Science Policy Studies Contributions - Convention, Tokyo		1974
Textual	MG31 J 16	20	1	International Union of the History and Philosophy of Science - Correspondence		1971-1977
Textual	MG31 J 16	20	2	International Union of the History and Philosophy of Science - Correspondence		1974-1975
Textual	MG31 J 16	20	3	International Union of the History and Philosophy of Science - Correspondence		1971-1973
Textual	MG31 J 16	20	4	International Union of the History and Philosophy of Science and Technology - Information Committee		

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Textual	MG31 J 16	20	5--6	International Union of the History and Philosophy of Science - Correspondence		1973-1974
Textual	MG31 J 16	20	7	International Union of the History and Philosophy of Science - Questionnaire on the teaching of History of Technology at Canadian Universities, and other correspondence		1973-1978
Textual	MG31 J 16	20	8	International Union of the History and Philosophy of Science - Questionnaire, part 1		1973
Textual	MG31 J 16	20	9	International Union of the History and Philosophy of Science - Questionnaire, part 2		1973-1974
Textual	MG31 J 16	20	10	International Union of the History and Philosophy of Science - Questionnaire, part 3		1973-1974
Textual	MG31 J 16	20	11	International Union of the History and Philosophy of Science - India		1973
Textual	MG31 J 16	20	12	International Union of the History and Philosophy of Science - West Germany		1973
Textual	MG31 J 16	20	13	International Union of the History and Philosophy of Science - Edinburgh Conference		1977
Textual	MG31 J 16	20	14	National Committee for the International Council of Scientific Unions - Reports and correspondence		1969-1972
Textual	MG31 J 16	20	15	National Committee for the International Union for the History of Science - Minutes		1970, 1974
Textual	MG31 J 16	20	16	National Committee on History and Philosophy of Science and Technology - Correspondence		1969-1973
Textual	MG31 J 16	20	17	National Institute of Public Affairs - <u>University Offerings in The Mid-Career Educational Program in Systematic Analysis</u>		1966
Textual	MG31 J 16	20	18	National Research Council - Correspondence		1968-1973
Textual	MG31 J 16	20	19	NRC Research Grants		1968-1972
Textual	MG31 J 16	20	20	National Research Council grants		1968-1972
Textual	MG31 J 16	20	21	Northwestern University - Technological Institute - Annual report		1966-1967
Textual	MG31 J 16	20	22	Operational Research Society of America - Conference, Cleveland		1962
Textual	MG31 J 16	20	23	Operational Research Society of America - Correspondence and newsletters		1962-1972
Textual	MG31 J 16	21	1	Operational Research Society of America International Conference, Oxford, England	Arrangements, programme, Committee minutes.	1957
Textual	MG31 J 16	21	2	Operational Research Society of America - International Conference, Oxford, England	Correspondence.	1956-1957
Textual	MG31 J 16	21	3	Operational Research Society of America International Conference, Oxford, England	Abstracts.	1957
Textual	MG31 J 16	21	4	Operational Research Society - Correspondence, list of Conference members		1957
Textual	MG31 J 16	21	5	Operational Research Society of America - Correspondence, annual meeting		1972
Textual	MG31 J 16	21	6	Operational Research Society - London, England Convention		1967
Textual	MG31 J 16	21	7	Operational Research Society, London (UK) - List of members		1968
Textual	MG31 J 16	21	8	Operational Research Society - London trip		1970
Textual	MG31 J 16	21	9	Operational Research Society, London, England		1970-1972
Textual	MG31 J 16	21	10	Operations Research Society of Japan - <u>The Application of Operations Research in Japan</u>		June 1969
Textual	MG31 J 16	21	11	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Abrams' correspondence and newspaper clipping.	9-12 September 1964
Textual	MG31 J 16	21	12	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Report of Economics Committee of the Policy Research Council of Ontario Young P.C. Association.	9-12 September 1964
Textual	MG31 J 16	21	13	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Dr. Daniel Cappon, <u>Mental Science and Government</u> , version 1.	9-12 September 1964
Textual	MG31 J 16	21	14	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Robert M. Clark, <u>The Responsibilities of The Individual in Facing Political Questions in Our Society.</u>	9-12 September 1964

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Textual	MG31 J 16	21	15	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Eugene Forsey, <u>Comment on professor W.L. Morton's Paper.</u>	9-12 September 1964
Textual	MG31 J 16	21	16	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	W. Heward Grafftey, <u>The Conservative Challenge - 1964.</u>	9-12 September 1964
Textual	MG31 J 16	21	17	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Roger Graham, <u>The Conservative Tradition and Canadian Independence.</u>	9-12 September 1964
Textual	MG31 J 16	21	18	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Alvin Hamilton, <u>A Resource Policy for Canada 1964.</u>	9-12 September 1964
Textual	MG31 J 16	21	19	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	John W. Holmes, <u>Present Realities of the Common Wealth.</u>	9-12 September 1964
Textual	MG31 J 16	21	20	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	H. Ian MacDonald, <u>The Canadian Hedgehog and The American Fox (A Study of Canadian-American Relations).</u>	9-12 September 1964
Textual	MG31 J 16	21	21	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Dr. A.N. McLeod, <u>Financial Policies and Economic Problems.</u>	9-12 September 1964
Textual	MG31 J 16	21	22	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Max McMahon, <u>The Changing Posture of English Quebec.</u>	9-12 September 1964
Textual	MG31 J 16	21	23	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	W.L. Morton, <u>The Conservative Principle in Confederation.</u> Revised pages 20, 21, 22.	9-12 September 1964
Textual	MG31 J 16	21	24	Progressive Conservative Association of Canada National Conference on Canadian Goals, Fredericton	Burton A. Weisbrod, <u>Investing in Human Capital.</u>	9-12 September 1964
Textual	MG31 J 16	21	25	The Royal Society, National Committee for the History of Science, Medicine and Technology		1974
Textual	MG31 J 16	21	26	Science Council of Canada - Basic Research and National Goals		1969-1971
Textual	MG31 J 16	21	27	Science Council of Canada - Conference, Ottawa		1971
Textual	MG31 J 16	21	28	Science Council of Canada - Task Force on Research - Report		1976
Textual	MG31 J 16	21	29--30	Scientific Societies - History of Science Society, Society for the History of Technology		1967
Textual	MG31 J 16	21	31--32	Scitec - Reports, correspondence		1970-1973
Textual	MG31 J 16	21	33	Social Science Federation of Canada - Travel claim		1980
Textual	MG31 J 16	21	34--35	Social Science Research Council of Canada - Seminar on Social Science Policies in Canada - Correspondence, organizational and background material		1975
Textual	MG31 J 16	21	36	Société Canadienne d'Histoire de la Médecine		1972
Textual	MG31 J 16	21	37	Society for the History of Technology - Correspondence and other papers		1969-1973
Textual	MG31 J 16	22	1	Society for the History of Technology - Correspondence and other papers		1974
Textual	MG31 J 16	22	2	Society for the History of Technology - Correspondence		1975-1978
Textual	MG31 J 16	22	3--5	Society for the History of Technology - Prizes and awards for 1976		1977
Textual	MG31 J 16	22	6	Society for the History of Technology - U.S. House of Representatives - Committee Report on Science, Research and Technology		1977
Canadian Operational Research Society						
Textual	MG31 J 16	22	7	Canadian Operational Research Society, address by J.W. Abrams		n.d.
Textual	MG31 J 16	22	8	Canadian Operational Research Society - Planning for education and demand survey		n.d.
Textual	MG31 J 16	22	9	John W. Abrams - Progress Report on Investigation of Operational Research in Canada		n.d.
Textual	MG31 J 16	22	10	Canadian Operational Research Society, formation of		1958
Textual	MG31 J 16	22	11	Canadian Operational Research Society - Correspondence, Treasurer's report, membership list		1958-1959
Textual	MG31 J 16	22	12	Canadian Operational Research Society - Membership and Professional Standards Committee		1959-1967
Textual	MG31 J 16	22	13	Canadian Operational Research Society - Correspondence		1960-1962
Textual	MG31 J 16	22	14	Canadian Operational Research Society - Constitution and correspondence		1963

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Textual	MG31 J 16	22	15	Canadian Operational Research Society - Minutes, Programme of 5th Annual Conference in Ottawa		1963
Textual	MG31 J 16	22	16	Canadian Operational Research Society - Toronto Section - Membership lists		1963-1967
Textual	MG31 J 16	22	17	Canadian Operational Research Society Journal - Report to Council		26 November 1964
Textual	MG31 J 16	22	18--21	Canadian Operational Research Society - Correspondence		1964-1968
Textual	MG31 J 16	22	22	Canadian Operational Research Society - Conference		1965
Textual	MG31 J 16	22	23	Canadian Operational Research Society - Programs and abstracts, Seventh Annual Conference, University of Toronto		13-14 May 1965
Textual	MG31 J 16	22	24	Canadian Operational Research Society - Membership		1965
Textual	MG31 J 16	22	25	Canadian Operational Research Society - Correspondence, printed matter, membership list		1965
Textual	MG31 J 16	22	26	Canadian Operational Research Society, "Education Committee Report 1965-1966" manuscript		1965-1966
Textual	MG31 J 16	22	27	Canadian Operational Research Society - Printed material and reports		1966
Textual	MG31 J 16	22	28	Canadian Operational Research Society - Correspondence		1966
Textual	MG31 J 16	23	1	Programme and abstracts of the First Joint Conference of the Canadian Operational Research Society and the Institute of Management Science, Toronto		1962
Textual	MG31 J 16	23	2	Canadian Operational Research Society - Correspondence and bulletins		1966
Textual	MG31 J 16	23	3--5	Operational Research questionnaire and survey		1967-1969
Textual	MG31 J 16	23	6	Canadian Operational Research Society - Correspondence		1967
Textual	MG31 J 16	23	7	Canadian Operational Research Society - Correspondence		1968
Textual	MG31 J 16	23	8	Canadian Operational Research Society - Minutes of the Third 1968-1969 Council meeting		22 November 1968
Textual	MG31 J 16	23	9	Canadian Operational Research Society - Project to Investigate Operational Research in Canada		1968-1972
Textual	MG31 J 16	23	10	Canadian Operational Research Society and University of Toronto - Certificate Program in Operational Research - Course brochures		1968-1969, 1971-1972
Textual	MG31 J 16	23	11	Canadian Operational Research Society - Correspondence and bulletins		1969
Textual	MG31 J 16	23	12	Canadian Operational Research Society - Montreal trip		1969
Textual	MG31 J 16	23	13--14	Canadian Operational Research Society - Correspondence, reports and membership lists		1969
Textual	MG31 J 16	23	15	Canadian Operational Research Society - John W. Abrams, Questionnaire on Canadian Operational Research Practitioners		1969
Textual	MG31 J 16	23	16	Canadian Operational Research Society - L.A. Smith, "Educational Attitude Survey Results"		1969
Textual	MG31 J 16	23	17	Canadian Operational Research Society - John W. Abrams, Implementation of Operational Research in Canada		late 1960
Textual	MG31 J 16	23	18	Canadian Operational Research Society - Correspondence, bulletins, fiscal reports and membership lists		1970
Textual	MG31 J 16	23	19	Canadian Operational Research Society - Correspondence and bulletins		1970
Textual	MG31 J 16	23	20	Canadian Operational Research Society - Correspondence, reports and bulletins		1970
Textual	MG31 J 16	23	21	Canadian Operational Research Society - Annual Conference Programmes		1969, 1971
Textual	MG31 J 16	23	22	Canadian Operational Research Society - Correspondence		1971
Textual	MG31 J 16	23	23	Canadian Operational Research Society - Correspondence bulletins, and reports		1971
Textual	MG31 J 16	23	24	Canadian Operational Research Society - Printed material		1971-1974
Textual	MG31 J 16	23	25--26	Canadian Operational Research Society - Correspondence, reports and bulletins		1972
Textual	MG31 J 16	23	27	Canadian Operational Research Society - Certificate programme		1973
Files on Specific Societies and Institutions Excluding C.O.R.S. and ICOHTEC						

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Textual	MG31 J 16	50	17	American Institute of Industrial Engineers, Inc. - "Institute Organization Manual Including Position Descriptions"		1963
Textual	MG31 J 16	50	18	American Institute of Industrial Engineers, Inc. - "Institute Constitution and By-Laws"		1964
Textual	MG31 J 16	50	19	American Institute of Industrial Engineers, Inc. - "Institute and Chapter Officers Directory"		1964
Textual	MG31 J 16	50	20	American Institute of Industrial Engineers, Inc. - "Guidelines and Directions to Aid in Submission of Technical Papers"		1967
Textual	MG31 J 16	50	21	Canadian Committee for the 500th Anniversary of Copernicus - Minutes of Second meeting		1973
Textual	MG31 J 16	50	22	Canadian Society for History and Philosophy of Science - Programme and agenda		n.d.
Textual	MG31 J 16	50	23	Various articles on Technology and Science, grouped in a file titled "Canadian Society for the Study of the History and Philosophy of Science"		n.d.
Textual	MG31 J 16	50	24	Canadian Society for the History and Philosophy of Science - Agenda, newsletters, minutes		1974-1975
Textual	MG31 J 16	50	25	Covington, A.E. - Application for membership the Canadian Society for the History and Philosophy of Science - Correspondence and minor publications		1974-1976
Textual	MG31 J 16	50	26	CISTI - "CISTI's Collection of material on History of Science and Engineering"		1977
Textual	MG31 J 16	50	27	Council for the Understanding of Technology in Human Affairs - Conference at Garden City (New York) - Agenda, programmes, notes		1977-1980
Textual	MG31 J 16	50	28	Operational Research - IFORS Constitution and memorandum to ORSA Council		1958
Textual	MG31 J 16	50	29	Operational Research - IFORS Education Committee - Circular letter no. 1		1977
Textual	MG31 J 16	50	30	Operational Research - IFORS Education Committee - Anonymous paper, "Survey on University Teaching in Operations Research in Southern Africa"		1978
Textual	MG31 J 16	50	31	Operational Research - IFORS Education Committee - Paper by S. Bonder, "Changing the Future of OR"		1978
Textual	MG31 J 16	50	32	Operational Research - IFORS Education Committee - Paper by Ku Chi-Fa, "Operational Research Education in China"		1978
Textual	MG31 J 16	50	33	Operational Research - IFORS Education Committee - Paper by I.A. Pappas, "Operational Research Education in Greece"		1978
Textual	MG31 J 16	50	34	Operational Research - IFORS Education Committee - Paper by C. Schweigman, "The Education of Operational Research at the University of Dar Es Salaam, Tanzania"		1978
Textual	MG31 J 16	50	35	Operational Research Society (India) - History, Constitution, brochure		n.d.
Textual	MG31 J 16	50	36	IUHPS - General correspondence	General correspondence including minutes, reports, material relating to the education of historians of science.	1971-1974
Textual	MG31 J 16	51	1	International Union of the History and Philosophy of Science - Correspondence	Correspondence regarding science policies of developing countries, and proceedings of the XIV International Congress in Tokyo.	1972-1974
Textual	MG31 J 16	51	2	Brush, S. G., "Education of Historians of Science in the USA"	Two reports prepared for the IUHPS Commission. Xerox and mimeographed typescript, 18 pages.	1975
Textual	MG31 J 16	51	3	Midwest Junto - Roster of members		1972
Textual	MG31 J 16	51	4	Operational Research Society (UK) - Membership list, publication		1966
Textual	MG31 J 16	51	5	J.W. Abrams - Progressive Conservative Party, National Conference on Canadian Goals		1964
Textual	MG31 J 16	51	6	Operational Research Society (UK) - Newsletter, membership list, Editorial Committee minutes, etc.		1966-1973

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Textual	MG31 J 16	51	7	Society for the History of Technology - Agenda of meeting, table of contents of "Technology and Culture", vol. 15, no 4		1974
Textual	MG31 J 16	51	8	Society for the History of Technology	Research proposal submitted to National Science Foundation, Conference on "Critical Issues in the History of Technology".	1976
Textual	MG31 J 16	51	9	System Engineering Associates Limited - Reports, accounts		1965
Textual	MG31 J 16	51	10	Technocracy (Operational Research) - Technocracy, Inc.	Seven issues, for 1937-1944; also four circulars.	1937-1944
Textual	MG31 J 16	51	11	Toronto Area Research Conference - Agenda, notes	Agenda for meeting of November 26, 1964. Also included are notes by J.W. Abrams, perhaps on the Metropolitan Toronto Official Plan.	1964
Textual	MG31 J 16	51	12	University of California (Berkeley) - "Operations Research Center Reports"		[ca. 1966]
Textual	MG31 J 16	51	13	University of Lancaster - Information sheet, brochures	Information sheet and five brochures on the University of Lancaster's Operational Research programme.	1965-1966
Canadian Operational Research Society						
Textual	MG31 J 16	51	14	Canadian Operational Research Society - Bibliography of writings relevant to Operational Research		n.d.
Textual	MG31 J 16	51	15	Canadian Operational Research Society - "Information about CORS"		n.d.
Textual	MG31 J 16	51	16	Canadian Operational Research Society - Correspondence regarding publications in CORS Journal		1963-1964
Textual	MG31 J 16	51	17	Canadian Operational Research Society - Various memoranda		1963-1964
Textual	MG31 J 16	51	18	Canadian Operational Research Society - Budgetary proposals, Education Committee Report		1964
Textual	MG31 J 16	51	19	Canadian Operational Research Society - CORS Journal Editorial Board - Minutes, report		1964
Textual	MG31 J 16	51	20	Canadian Operational Research Society - Mailing list		1964
Textual	MG31 J 16	51	21	Canadian Operational Research Society - "CORS Sub-Committee on Professional Standards"		1965
Textual	MG31 J 16	51	22	Canadian Operational Research Society - Executive Meeting, University of Toronto - Minutes		1965
Textual	MG31 J 16	51	23	Canadian Operational Research Society - Third Council Meeting, University of Toronto		1965-1966
Textual	MG31 J 16	51	24	Canadian Operational Research Society - Fourth Council Meeting - Minutes		1968
Textual	MG31 J 16	51	25	Canadian Operational Research Society - "Public Relations Committee Report"		1968
Textual	MG31 J 16	51	26	Canadian Operational Research Society - Secretary's Annual Report		1968
Textual	MG31 J 16	51	27	Canadian Operational Research Society - CORS-AFCET Conference, Montreal		1970
International Co-operation in the History of Technology Committee - a) Statutes, amendments, minutes, circulars and organizational reports						
Textual	MG31 J 16	55	2	ICOHTEC - Japanese National Committee, "Draft of the Proposed Resolution for the General Assembly of the International Union of the History of Science"		n.d.
Textual	MG31 J 16	55	3	ICOHTEC - Statutes, amendment and revision		1968-1980
Textual	MG31 J 16	55	4	ICOHTEC - Incorporation and Constitution		1969-1970
Textual	MG31 J 16	55	5	ICOHTEC - Relations avec UIHPS		1968-1969
Textual	MG31 J 16	55	6	ICOHTEC - Relations avec Organismes Internationaux		1968-1970
Textual	MG31 J 16	55	7	ICOHTEC - Various drafts of Project of Association between ICOHTEC and Italian CNR		1972
Textual	MG31 J 16	55	8	ICOHTEC - Minutes of Executive, Bureau and General Assembly meetings		1968-1979
Textual	MG31 J 16	55	9	ICOHTEC - Comité Exécutif, lettres Générales		1965-1971
Textual	MG31 J 16	55	10	ICOHTEC - Circulaires générales		1968-1974
Textual	MG31 J 16	55	11	ICOHTEC - Memoranda, informational circulars		1969-1981

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Textual	MG31 J 16	55	12	ICOHTEC - "Nouvelles ICOHTEC Newsletter", no. 1-3		1978-1979
Textual	MG31 J 16	55	13	ICOHTEC - Various programmes and information		1977-1980
Textual	MG31 J 16	55	14	ICOHTEC - Fiscal and Organizational Reports		1968-1980
Textual	MG31 J 16	55	15	ICOHTEC - Cash ledger		[ca. 1971]
Textual	MG31 J 16	55	16	ICOHTEC - Correspondence, financial receipts		1971-1974
Textual	MG31 J 16	55	17	ICOHTEC - Finance		1973
Textual	MG31 J 16	55	18	ICOHTEC - Correspondence with Crédit Lyonnais		1974
ICOHTEC - General correspondence						
Textual	MG31 J 16	55	19	ICOHTEC - Correspondence		n.d.
Textual	MG31 J 16	55	20	ICOHTEC - Correspondence between M. Daumas and M. Kranzberg		1964-1974
Textual	MG31 J 16	56	1	ICOHTEC - Correspondence between M. Daumas and E. Olszewski		1965-1974
Textual	MG31 J 16	56	2	ICOHTEC - Correspondence with S.V. Shukhardin		1965-1972
Textual	MG31 J 16	56	3--5	ICOHTEC - Correspondence with members		1968-1973
Textual	MG31 J 16	56	6	ICOHTEC - Correspondence		1969
Textual	MG31 J 16	56	7	ICOHTEC - Correspondence		1969-1973
Textual	MG31 J 16	56	8	ICOHTEC - Correspondence		1970
Textual	MG31 J 16	56	9	ICOHTEC - Correspondence		1971
Textual	MG31 J 16	56	10	ICOHTEC - Correspondence		1972
Textual	MG31 J 16	56	11	ICOHTEC - Correspondence		1973
Textual	MG31 J 16	56	12	ICOHTEC - Correspondence		1974
Textual	MG31 J 16	56	13	ICOHTEC - Correspondence		1974-1975
Textual	MG31 J 16	56	14--16	ICOHTEC - Correspondence		1975
Textual	MG31 J 16	56	17	ICOHTEC - Correspondence		1976
Textual	MG31 J 16	56	18	ICOHTEC - Correspondence		1977
Textual	MG31 J 16	56	19--20	ICOHTEC - Correspondence		1978
Textual	MG31 J 16	56	21	ICOHTEC - Correspondence		1979
Textual	MG31 J 16	56	22	ICOHTEC - Correspondence		1980
Textual	MG31 J 16	57	1	ICOHTEC - Correspondence		1981
ICOHTEC - Questionnaire on Teaching History of Technology at Canadian Universities						
Textual	MG31 J 16	57	2	International Co-Operation in the History of Technology Committee - Questionnaire on the Teaching of History of Technology at Canadian Universities, part 1		1976
Textual	MG31 J 16	57	3	International Co-Operation in the History of Technology Committee, Questionnaire on the Teaching of History of Technology at Canadian Universities, part 2		1976
ICOHTEC - Questionnaire to ICOHTEC members regarding interests, work and achievements						
Textual	MG31 J 16	57	4	ICOHTEC - Questionnaire to members, part 1		1972
Textual	MG31 J 16	57	5	ICOHTEC - Questionnaire to members, part 2		1972
ICOHTEC - XII International Congress, Pont-à Mousson, France, 1970: Correspondence with participants, Invitations to attend, Executive Committee minutes						
Textual	MG31 J 16	57	6	ICOHTEC - XII International Congress, Pont-à Mousson (France) - Correspondence with participants		1969-1972
Textual	MG31 J 16	57	7--10	ICOHTEC - XII International Congress, Pont-à Mousson (France) - Invitations to attend and correspondence regarding papers		1969-1973
ICOHTEC - XIII International Congress, Jablonna, Poland, 1973: Invitations to attend, correspondence with participants, Executive Committee minutes and papers						
Textual	MG31 J 16	57	11	ICOHTEC - XIII International Congress, Jablonna (Poland) - Projects and circulars		1972-1973
Textual	MG31 J 16	57	12	ICOHTEC - XIII International Congress, Jablonna (Poland) - Projects and circulars		1973
Textual	MG31 J 16	57	13	ICOHTEC - XIII International Congress, Jablonna (Poland) - Correspondence		1973
Textual	MG31 J 16	57	14	ICOHTEC - XIII International Congress, Jablonna (Poland) - Invitations		1973
Textual	MG31 J 16	57	15	ICOHTEC - XIII International Congress, Jablonna (Poland) - Correspondence with P. Pawlowska and E. Olszewski		1972-1974
Textual	MG31 J 16	57	16	Anonymous, "The Development of Education in the GDR"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 9 pages.	1973
Textual	MG31 J 16	57	17	Bovykine, V. - "Les Problèmes Économiques et Sociaux du Développement Industriel en Russie"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 40 pages.	1973

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Textual	MG31 J 16	57	18	Długoborski, W. - "The Influx of Labour to Industry in the Countries of Central and Eastern Europe (1850-1918)"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 59 pages.	1973
Textual	MG31 J 16	57	19	Eddie, S.M. - "Industrialization and the Growth of Manufactured Exports from Hungary during the Protectionist Period (1882-1913)"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 21 pages.	1973
Textual	MG31 J 16	57	20	Hapak, P. - "Problèmes du Deplacement de la Main-d'Oeuvre et l'Emigration Solvaque a Partir de la Deuxième Moitié du XIXe Siècle Jusqu'a 1918"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 11 pages.	1973
Textual	MG31 J 16	57	21	Kranzberg, M. - "Historical Perspectives on Technology Transfer"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 31 pages.	1973
Textual	MG31 J 16	57	22	Kwasny, Z. - "Iron Metallurgy in the Silesian Industrialization Process in the Second and Third Quarter of the XIX C."	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 9 pages.	1973
Textual	MG31 J 16	57	23	Lukasiewicz, J. - "Les Débuts d'un Système Énergétique Moderne sur les Territoires Polonais"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 30 pages.	1973
Textual	MG31 J 16	57	24	Michalkiewicz, S. - "La Main-d'Oeuvre Durant la Période de L'Industrialisation de la Haute-Silésie dans la Seconde Moitié du XIXe siècle"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 10 pages.	1973
Textual	MG31 J 16	57	25	Misztal, S. - "Changes in Distribution of Industry in the Area of Poland in the Years 1860-1965"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 11 pages.	1973
Textual	MG31 J 16	57	26	Nahlik, A. - "The Modernization of Techniques and Technology in the Textile Industry"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 10 pages.	1973
Textual	MG31 J 16	57	27	Nietyska, M. - "The Formation of the Warsaw Agglomeration in the 19th Century"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 12 pages.	1973
Textual	MG31 J 16	57	28	Pawlowska-Pietrzak, I. - "La Révolution Technique et les Types d'Industrialisation dans les Pays de l'Europe Centrale et du Sud au XIXe siècle"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 28 pages.	1973
Textual	MG31 J 16	57	29	Piaskowska, H. - "La Dynamique de la Propagation de la Nouvelle Technique dans les Pays Industrialisés et les Pays Agricoles (CAS: Production D'Acier)"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 12 pages.	1973
Textual	MG31 J 16	57	30	Piaskowski, J. - "Chain Analysis of Technical Progress in Industry"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 14 pages.	1973
Textual	MG31 J 16	57	31	Purs, J. - "Traction à Vapeur dans L'Industrie en Tant Qu'Indice du Développement des Cycles Économiques au 19e siècle"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 10 pages.	1973
Textual	MG31 J 16	57	32	Rosseger, G. - "The Danube-Black Sea Shortcut: A Problem in Technology Transfer"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 15 pages.	1973
Textual	MG31 J 16	57	33	Rusinski, W. - "La Révolution Industrielle, ses Portée et Notions dans l'Historiographie Universelle"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 24 pages.	1973
Textual	MG31 J 16	57	34	Schofer, L. - "Bureaucratization, Modernization and the Study of Labor History"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 21 pages.	1973
Textual	MG31 J 16	57	35	Smialowski, J. - "La Main-oeuvre Rurale dans l'Industrie Textile du Royaume de Pologne"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 10 pages.	1973
Textual	MG31 J 16	57	36	Vadkerty, K. - "Le Développement de l'Industrie Agricole en Slovaquie dans les Années 1849-1918"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 11 pages.	1973
Textual	MG31 J 16	57	37	Vanis, J. - "La Géographie des Usines Électriques aux Pays Tchèques du XIXe siècle (Leur Représentation Cartographique dans l'Atlas de l'Histoire Tchécoslovaque)"	Paper given at ICOHTEC Conference, Jablonna, Poland. Typescript, 8 pages.	1973
Textual	MG31 J 16	57	38	Various authors - Abstracts of papers given at ICOHTEC Conference, Jablonna (Poland)		1973
ICOHTEC - ICOHTEC Conference, Genoa, Italy, 1973						
Textual	MG31 J 16	57	39	ICOHTEC - ICOHTEC-CNR Conference, Genoa (Italy)		1973
Textual	MG31 J 16	57	40	ICOHTEC - ICOHTEC-CNR Conference, Genoa (Italy) - Finance		1974
ICOHTEC - XIV International Congress, Tokyo, Japan, 1974						
Textual	MG31 J 16	58	1--3	International Co-Operation in History of Technology Committee - Correspondence relating to Tokyo Conference		1968-1974
Textual	MG31 J 16	58	4	ICOHTEC - XIV International Congress, Tokyo - Correspondence between M. Daumas and R.J. Ballon		1972-1974
Textual	MG31 J 16	58	5	ICOHTEC - XIV International Congress, Tokyo - Correspondence regarding first contacts with participants		1973-1974
Textual	MG31 J 16	58	6	ICOHTEC - XIV International Congress, Tokyo - Correspondence regarding Congress preparations		1972-1973

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	58	7	ICOHTEC - XIV International Congress, Tokyo - Correspondence regarding candidates nominated to participate		1973-1974
Textual	MG31 J 16	58	8	ICOHTEC - XIV International Congress, Tokyo - Correspondence with persons desiring to participate		1973-1974
Textual	MG31 J 16	58	9	ICOHTEC - XIV International Congress, Tokyo - Other correspondence		1973-1974
Textual	MG31 J 16	58	10	ICOHTEC - XIV International Congress, Tokyo - Programme		1974
ICOHTEC, XV International Congress, Moscow/Kaluga (USSR), 1976						
Textual	MG31 J 16	58	11	ICOHTEC - XV International Congress, Kaluga (USSR) - Programmes and agendas		1971
Textual	MG31 J 16	58	12	ICOHTEC - XV International Congress, Kaluga (USSR) - Programmes and agendas		1975-1976
Textual	MG31 J 16	58	13--16	International Cooperation in History of Technology Committee - Correspondence relating to Moscow Conference		1975-1976
ICOHTEC, XVI International Congress, Edinburgh, Scotland, 1977						
Textual	MG31 J 16	58	17--21	International Cooperation in History of Technology Committee - Correspondence relating to Edinburgh Conference		1977
ICOHTEC - Papers presented at unidentified Conferences						
Textual	MG31 J 16	58	22	ICOHTEC - Bovykin, B. I. and Shukhardin, S. V. - "Technique et son Role dans le Processus de la Transformation de l'U.R.S.S. en un État à L'Industrie Développée"		n.d.
Textual	MG31 J 16	58	23	ICOHTEC - Résumé of paper by T. Kobayashi, "New Dimension for Institutionalizing Science and Technology"		n.d.
Textual	MG31 J 16	58	24	ICOHTEC - Abstract of J.W. Abram's paper on Mining in Northern Ontario and Mining Safety		n.d.
Textual	MG31 J 16	58	25	ICOHTEC - Abstract of papers given at unidentified conference		n.d.
Textual	MG31 J 16	58	26	ICOHTEC - Report by J.W. Abrams (?) on Education of Historians of Science		[ca. 1971]
Textual	MG31 J 16	58	27	ICOHTEC - Brush, S. G., "Education of Historians of Science in the USA", Report to IUHPS Commission on the Education of Historians of Science		1974
Operational Research series						
Operational Research- (a) History - (i) interviews by J.W. Abrams						
Textual	MG31 J 16	24	1	Operational Research history - Lists of names found with transcripts of interviews on Operational Research history conducted by John Abrams		n.d.
Textual	MG31 J 16	24	2	Operational research history - Transcript of John Abrams interviewing Harold Larander		6 April 1973
Textual	MG31 J 16	24	3--4	Operational research history - Transcript of John Abrams interviewing E.C. Williams		2 March 1974
Textual	MG31 J 16	24	5	Operational research history - Transcript of John Abrams interviewing E.C. Bonn		26 April 1974
Textual	MG31 J 16	24	6	Operational research history - Transcript of John Abrams interviewing C.H. Waddington		30 April 1974
Textual	MG31 J 16	24	7	Operational research history - Transcript of John Abrams interviewing Sir Charles Goodeve		2 May 1974
Textual	MG31 J 16	24	8	Operational research history - Transcript of John Abrams interviewing Harold Lounder (Larnder?)		21 September 1974
Textual	MG31 J 16	24	9	Operational research history - Transcript of John Abrams interviewing Dr. O.M. Solandt		5 October 1974
Textual	MG31 J 16	24	10	Operational research history - Transcript of John Abrams interviewing Professor Colin Barnes		9 December 1974
Textual	MG31 J 16	24	11	Operational research history - Transcript of John Abrams interviewing Harold Lounder (Larnder?)		n.d.
Textual	MG31 J 16	24	12	Operational research history - Transcript of John Abrams interviewing G.D. Kaye		10 December 1974
Textual	MG31 J 16	24	13	Operational research history - Transcript of John Abrams interviewing F. Maskell		11 December 1974
Operational Research- (a) History - (ii) writing, lectures by J.W. Abrams						

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	24	14	Operational Research History - "Remarks for 10th Anniversary Jubilee of the Operations Evaluation Group, USN, Washington, 9 May 1952"		1952
Textual	MG31 J 16	24	15	John W. Abrams, untitled lecture on the history of Operational Research (handwritten draft), probably presented at Operational Research Conference, Dalhousie University, 1964		1964
Textual	MG31 J 16	24	16	Defence Research Board - Correspondence and history of Operational Research activities		1966-1968
Textual	MG31 J 16	24	17	John W. Abrams, "A Modern Topic in the History of Science: The History of Operations Research", Montreal	Announcement of lecture only, no text.	1967
Textual	MG31 J 16	24	18	Operational Research History, Military History, "Third Annual Military History Symposium, United States Air Force Academy"	Program plus correspondence.	1969
Textual	MG31 J 16	24	19	John W. Abrams, "Historical Background of Operational Research"	Paper presented to the Fifth International Conference of Operational Research, Venice. Offprint and various typescript versions.	1969
Textual	MG31 J 16	24	20	John W. Abrams, "Historical Background of Operational Research"	Combined manuscript and annotated typescript, 17 pages.	n.d.
Textual	MG31 J 16	24	21	John W. Abrams, "Operational Research - Past and Future"	Paper read at CORS Conference, Vancouver.	1970
Textual	MG31 J 16	24	22	John W. Abrams, "Operational Research- Past and Future"	Presented at the Canadian Operational Research Society, Vancouver, 2 June 1970. Typescript and manuscript.	1970
Textual	MG31 J 16	24	23	John W. Abrams, "A Critical Survey of Operational Research as part of the Mainstream of Scientific Development",	Paper presented at the First International Research Conference on Operational Research. Various versions.	1973
Textual	MG31 J 16	24	24	John W. Abrams - Implementation of Operational Research in Canada		[1973?]
Textual	MG31 J 16	24	25	Science Council of Japan, XIVth International Congress of the History of Science	1974 Abstracts of papers. Contains J. Abrams, "Origin of Operational Research".	1974
Textual	MG31 J 16	24	26	John W. Abrams, Operational Research	Draft 3 of comments on S. Eilon, "Editorial. How Scientific is O.R.?" OMEGA volume 3, No. 1.	1975
Textual	MG31 J 16	24	27	Operational Research and Systems Analysis- History, correspondence with International Institute for Applied Systems Analysis		1976-1978
Textual	MG31 J 16	24	28	John W. Abrams, "Crystallization of Military Operational Research into an Accepted Role - 1939-1945"	Presented at TIMS/ORSA meeting, San Francisco, May 1977. One manuscript and two typescript versions.	1977
Textual	MG31 J 16	24	29	John W. Abrams, "The Origins and Development of Applied Systems Analysis"	Chapter 2 of Handbook of Applied Systems Analysis of International Institute for Applied Systems Analysis. Text, reviewers' comments, and correspondence.	1978
Textual	MG31 J 16	24	30	John W. Abrams, Operational Research History	Untitled typescript dealing primarily with pre-twentieth century developments in Systems, 49 pages.	n.d.
Textual	MG31 J 16	24	31	John W. Abrams, "The Origin of Organized O.R." (draft)		n.d.
Textual	MG31 J 16	24	32	John W. Abrams, Operational Research History - "The Origin of Organized O.R."	Annotated typescript, 15 pages.	n.d.
Textual	MG31 J 16	24	33	Operational Research History - John W. Abrams	Notes or draft for untitled lecture or article on the development of Systems throughout history and origins of Operational Research.	n.d.
Textual	MG31 J 16	24	34	John W. Abrams, Implementation of Operational Research in Canada		n.d., late 1960s
Textual	MG31 J 16	24	35	Operational Research History - Untitled draft or plans by John W. Abrams		n.d.

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	24	36	Operational Research History - Manuscript outline of untitled paper on history of O.R., list of sources		n.d.
Textual	MG31 J 16	24	37	Operational Research History - "History of O.R." - Lecture or draft article notes by John Abrams		n.d.
Textual	MG31 J 16	24	38	Operational Research History - Lecture notes dealing with the O.R. idea and its application in Biscay Bay Campaign		n.d.
Textual	MG31 J 16	24	39	Operational Research History - The Anti-U-Boat Campaign (1942-1943), abstract of paper by John W. Abrams		n.d.
Textual	MG31 J 16	24	40	Operational Research History - Untitled paper on history of O.R.		n.d.
Textual	MG31 J 16	24	41	Operational Research History, "AIEE Adjournment Speech"(two versions)		n.d.
Textual	MG31 J 16	24	42	Operational Research History - Various brief notes by John Abrams		n.d.
Textual	MG31 J 16	24	43	Operational Research History - Various outlines and pages from unidentified papers by John Abrams		n.d.
Textual	MG31 J 16	24	44	Operational Research History - Unidentified page of an article or lecture		n.d.
Textual	MG31 J 16	24	45	Operational Research History - Untitled lecture (manuscript)		n.d.
Operational Research- (a) History - (iii) writing, lectures by others						
Textual	MG31 J 16	24	46	Operational Research History - Correspondence relating to, and text of, R.W. Bevan, <u>Trends in Operational Research</u>		1958
Textual	MG31 J 16	24	47	S.L. Cook, "A Personal Review of Operational Research and the Management Sciences in the U.K."	Mimeographed typescript, 14 pages, prepared for T.I.M.S. XVth International Meeting, New York City.	March 1969
Textual	MG31 J 16	24	48	Operational Research History - Noel Falconer, review of C.H. Waddington, <u>Or in World War 2- Operational Research against the U-Boat</u> , Operational Research Quarterly, December 1973		December 1973
Textual	MG31 J 16	24	49	Ian C. Jess, The Formation and Applications of Operational Research in World War II	Bachelor of Applied Science Thesis, University of Toronto, supervisor J.W. Abrams. Two Xerox typescripts, 49 pages.	1976
Textual	MG31 J 16	25	1	Harold Larnder, "The Early History of Organized Operational Research"		1964
Textual	MG31 J 16	25	2	Harold Larnder, "The Early History of Organized Operational Research"	Paper presented at Operational Research Conference, Dalhousie University.	1964
Textual	MG31 J 16	25	3	Operational Research History - Harold Larnder, "The Origin of Operational Research", plus obituary of Harold Larnder		1978, 1981
Textual	MG31 J 16	25	4	Dr. G.R. Lindsey, Chief Operational Research and Analysis Establishment, Ottawa	Various poems by Lindsey, dealing with the history of O.R. Thirteen pages, plus transmittal note.	n.d.
Textual	MG31 J 16	25	5	Dr. H.P. Robertson, "The Impact of Science on Military Thought, Organization and Operations"	Lecture delivered to the NATO Defence College on 17 September 1954. 20 pages.	1954
Textual	MG31 J 16	25	6	Operational Research History - Thomas L. Saaty, Discipline and Practice of Operational Research	Xerox from <u>Naval Research Review</u> , January 1962, plus correspondence.	1962
Textual	MG31 J 16	25	7	Stanmore Research Station, Report no. 110, "Capacity of the R.D.F. system"		1940
Textual	MG31 J 16	25	8	Florence N. Trefethen, "A History of Operations Research"		n.d.
Operational Research- (b) J.W. Abrams Unpublished book manuscript on Operations Research and Management Science						
Textual	MG31 J 16	25	9	John W. Abrams, Rationale for course and book on principles of Operations Research and Management Science		[1965?]
Textual	MG31 J 16	25	10	Book manuscript, Principles of Operations Research and Management Science - Correspondence and portion of typescript		1964-1966
Textual	MG31 J 16	25	11	Operations Research and Management Science - Unpublished book manuscript - Table of Contents, rough notes and calculations (11 pages)		[ca. 1960s]
Textual	MG31 J 16	25	12	Operations Research and Management Science - Unpublished book manuscript - Chapter I, Introduction (45 pages)		[ca. 1960s]

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	25	13	Operations Research and Management Science - Unpublished book manuscript - Chapter II, Linear Programming (85 pages)		[ca. 1960s]
Textual	MG31 J 16	25	14	Operations Research and Management Science - Unpublished book manuscript - Chapter III, Linear Programming II (49 pages)		[ca. 1960s]
Textual	MG31 J 16	25	15	Operations Research and Management Science - Unpublished book manuscript - Chapter V, Inventory Models, Section I - Basics - Deterministic Models (16 pages)		[ca. 1960s]
Textual	MG31 J 16	25	16	Operations Research and Management Science - Unpublished book manuscript - Chapter V, Inventory Models (6 pages, some handwritten)		[ca. 1960s]
Textual	MG31 J 16	25	17	Operations Research and Management Science - Unpublished book manuscript - Chapter V, Section 2- Stochastic Models (15 pages)		[ca. 1960s]
Textual	MG31 J 16	25	18	Operations Research and Management Science - Unpublished book manuscript - Chapter VIII, Mathematical Programming (pages 83-99)		[ca. 1960s]
Textual	MG31 J 16	25	19	Operations Research and Management Science - Unpublished book manuscript - Section I-I-I - General (12 pages)		[ca. 1960s]
Textual	MG31 J 16	25	20	Operations Research and Management Science - Unpublished book manuscript - Section I-I-II - Models (11 pages)		[ca. 1960s]
Textual	MG31 J 16	25	21	Operations Research and Management Science - Unpublished book manuscript - Section I-II-I - Procedures (11 pages)		[ca. 1960s]
Textual	MG31 J 16	25	22	Operations Research and Management Science - Unpublished book manuscript - Section I-II-II - Practice (8 pages)		[ca. 1960s]
Textual	MG31 J 16	25	23	Operations Research and Management Science - Unpublished book manuscript - Section II-I-I - Linear Programming-I, General (14 pages)		[ca. 1960s]
Textual	MG31 J 16	25	24	Operations Research and Management Science - Unpublished book manuscript - Section II-I-II - Linear Programming-II, Simplex Method-I (25 pages)		[ca. 1960s]
Textual	MG31 J 16	25	25	Operations Research and Management Science - Unpublished book manuscript - Section II-I-III - Linear Programming, Simplex Method-II (15 pages)		[ca. 1960s]
Textual	MG31 J 16	25	26	Operations Research and Management Science - Unpublished book manuscript - Section II-II-I - Transportation Problems	Incomplete mimeographed typescript, variant portions, accompanying manuscript.	[ca. 1960s]
Textual	MG31 J 16	25	27	Operations Research and Management Science - Unpublished book manuscript - Section II-III-I - Examples (24 pages)		[ca. 1960s]
Textual	MG31 J 16	25	28	Operations Research and Management Science - Unpublished book manuscript - Section III-III-I - Simulation and Modeling of Queueing Systems (9 pages)		[ca. 1960s]
Textual	MG31 J 16	25	29	Operations Research and Management Science - Unpublished book manuscript - Section IV-I-I - Inventories-Basics (22 pages)		[ca. 1960s]
Textual	MG31 J 16	25	30	Operations Research and Management Science - Unpublished book manuscript - Section IV-I-I - Untitled, incomplete (pages 15-17, 21-22)		[ca. 1960s]
Textual	MG31 J 16	25	31	Operations Research and Management Science - Unpublished book manuscript - Section IV-B - Inventory Under Constraint	Mimeographed typescript, 14 pages. Two copies, one annotated and modified.	[ca. 1960s]
Textual	MG31 J 16	25	32	Operations Research and Management Science - Unpublished book manuscript - Untitled, incomplete (examples 7 and 8, pages 17-26)		[ca. 1960s]
Textual	MG31 J 16	25	33	Operations Research and Management Science - Unpublished book manuscript - Unnumbered section - Simulation (6 pages)		[ca. 1960s]
Operational Research - (c) La Drogue-Miracle du Professor Kashinawa						
Textual	MG31 J 16	25	34	Elio Ventura, Patrick Gordon - <u>La Drogue-Miracle Du Professor Kashinawa</u> - Partial translation of, by Jacqueline S. Abrams, John W. Abrams, plus correspondence		1968-1970
Textual	MG31 J 16	25	35	Elio Ventura, Patrick Gordon - <u>La Drogue-Miracle Du Professor Kashinawa, Dix Seetches sur la Recherche Operationelle</u> - Preface and sections I, VI, IX, X		1968-1970

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Operational Research - (d) Papers, Lectures on Operational Research by J.W. Abrams (excluding University of Toronto teaching)						
Textual	MG31 J 16	25	36	John W. Abrams, Lecture on Operational Research		1952
Textual	MG31 J 16	25	37	John W. Abrams, "Operational Research", <u>The Business Quarterly</u> , XVII no. 2, summer 1952		1952
Textual	MG31 J 16	25	38	John W. Abrams, "The Effect of Operations Research on Management Systems" - Paper presented to York Chapter of the Systems and Procedures Association - Correspondence and text		1963
Textual	MG31 J 16	25	39	John W. Abrams, <u>Origins and Growth of Policy Analysis</u> - Chapter for International Institute for Applied Systems Analysis Handbook, plus correspondence		1977
Textual	MG31 J 16	25	40	John W. Abrams, P.F. Wade - Price Waterhouse and Company, <u>Glossary of Terms Used in Statistics and Operations Research</u>		1963
Textual	MG31 J 16	26	1	J.W. Abrams, Report on A Means of Application of Scientific Methodology to Business Problems Through a Study of Information Flow for Decision Making	Typescript plus manuscript drafts.	1963
Textual	MG31 J 16	26	2	J.W. Abrams, Report on A Means of Application of Scientific Methodology to Business Problems Through a Study of Information Flow for Decision Making	Typescript, 23 pages.	1963
Textual	MG31 J 16	26	3	John W. Abrams, "Computers, Simulation and You" - Draft notes for a talk to N.Y. (North York?) Chapter APEO (Association of Professional Engineers of Ontario)		1964
Textual	MG31 J 16	26	4	John W. Abrams - Notes for Operational Research Seminar presentation at Science and the Management of Tomorrow, St. Michael's College, Toronto, plus list of participants		1964
Textual	MG31 J 16	26	5	Operations Research - Manuscript of article written for the Association of Professional Engineers of Ontario, plus correspondence		1965
Textual	MG31 J 16	26	6	John W. Abrams, "Scientific Decision Making" - Typescript from Engineering Digest, October 1965		1965
Textual	MG31 J 16	26	7	John W. Abrams, "Implementation of Operational Research: A Problem in Sociology"	Offprint from Canadian Operational Research Society Journal, Vol. 3, No. 3, November 1965, plus drafts and correspondence.	1965-1966
Textual	MG31 J 16	26	8	J.W. Abrams, S. Yagar, "Establishing Decision Rules for Single Types of Workers" - Draft plan for a publication, plus correspondence		1966
Textual	MG31 J 16	26	9	John Abrams' review of "Applied Queueing Theory" by Alec M. Lee, plus correspondence		1966
Textual	MG31 J 16	26	10	John Abrams' review of "Linear Programming and Extensions" by Dantzig, plus correspondence		1966
Textual	MG31 J 16	26	11	John W. Abrams, André Turgeron, "A Model to Determine Equitable Freight Rates for Non-Carload Traffic" presented to the European Meeting on Statistics, Econometrics and Management Science in Amsterdam	Mimeographed typescript, annotated. Two copies plus programme.	1968
Textual	MG31 J 16	26	12	Operational Research - Preprints of lectures for the course "Industrial Applications of Operational Research", University of Windsor, 19-21 May, 1969	Includes John W. Abrams' "Optimization Techniques".	1969
Textual	MG31 J 16	26	13	John W. Abrams, untitled lecture on Operational Research		1969
Textual	MG31 J 16	26	14	John W. Abrams, "Communication: The Engineer's Responsibility" - Prepared for delivery to University of Toronto Faculty of Applied Science and Engineering, 27 March 1980		1980
Textual	MG31 J 16	26	15	John W. Abrams, "The Role of Operational Research in a Decision Making Organization"		n.d.
Textual	MG31 J 16	26	16	Operational Research, "Sequential Network Procedures -I"	Ditto copy of typescript, bearing heading "V-A-1", 20 pages.	n.d.
Textual	MG31 J 16	26	17	Operational Research, "Bottlenecks in Industry"		n.d.
Textual	MG31 J 16	26	18	John W. Abrams, untitled mathematics notebook, starting with "Combinatorics", plus offprint of Kaufmann, Cruon, "Etude de la sensibilité en programmation dynamique: Politiques K-optimales en avenir certain"		n.d.
Textual	MG31 J 16	26	19	"Effects of Computers on Operational Research", John Abrams		n.d.

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	26	20	"Ideal Education for a Potential O.R. (Operational Research) Practitioner", probably written by John Abrams		n.d.
Textual	MG31 J 16	26	21	Unpublished lecture or paper entitled "Modles", related to work in Operational Research, Industrial Engineering		n.d.
Textual	MG31 J 16	26	22	J.W. Abrams, R.W.P. Anderson, D.J. Clough, "A Practical Approach to Automation" - Outline of proposed paper		n.d.
Textual	MG31 J 16	26	23	Operational Research, untitled lecture (one manuscript, two typescript versions)		n.d.
Textual	MG31 J 16	26	24	Operational Research, manuscript comments for book or lecture (10 pages)		n.d.
Textual	MG31 J 16	26	25	John W. Abrams, "What is Operational Research?" (lecture notes or draft of paper)		n.d.
Textual	MG31 J 16	26	26	John W. Abrams, "Operational Research" (lecture, 10 pages)		n.d.
Textual	MG31 J 16	26	27	John W. Abrams, Education and O.R. (manuscript lecture, outline or draft of paper)		n.d.
Textual	MG31 J 16	26	28	Introduction to untitled paper on Real Time Data Processing		n.d.
Textual	MG31 J 16	26	29	Operational Research, untitled lecture (9 pages)		n.d.
Textual	MG31 J 16	26	30	Operational Research, untitled lecture (manuscript)		n.d.
Textual	MG31 J 16	26	31	John W. Abrams - Untitled lecture on Operational Research (manuscript, 27 pages)		n.d.
Textual	MG31 J 16	26	32	Operational Research, incomplete text		n.d.
Textual	MG31 J 16	26	33	Operational Research - Untitled lecture or draft of paper		n.d.
Textual	MG31 J 16	26	34	Operational Research - Incomplete lecture or draft of paper		n.d.
Textual	MG31 J 16	26	35	John W. Abrams, "Game Theory" - Manuscript lecture notes or draft of article (10 pages)		n.d.
(e) Papers, Lectures on Operational Research by other authors						
Textual	MG31 J 16	26	36	Operational Research bibliography, author unknown (40 pages)		n.d.
Textual	MG31 J 16	26	37	Operational Research - Conventions of mathematical operations, unknown author		n.d.
Textual	MG31 J 16	26	38	"Language of Statistics", author unknown		n.d.
Textual	MG31 J 16	26	39	"Real Time Data Processing", author unknown		n.d.
Textual	MG31 J 16	26	40	Suggested Outline of C.S.A. Sampling Standard, author unknown		n.d.
Textual	MG31 J 16	26	41	A.P. Amiry, "The Simulation of Information Flow in a Steelmaking Plant"		1965
Textual	MG31 J 16	26	42	A.G. Baker, W.J. Smith, "The Scope for Operational Research and Development - One Way In"		1965
Textual	MG31 J 16	26	43	W.T. Bane, "The Application of Control Engineering Design Techniques to a Production Control Problem"		1965
Textual	MG31 J 16	26	44	Albert Battersby, "Simulating a Despatcher"		n.d.
Textual	MG31 J 16	26	45	E.M.L. Beale, "An Introduction to the Decomposition Principle"		1965
Textual	MG31 J 16	26	46	Alden S. Bean, "Notes for Talk on: The Management of Management of Science", presented to XVth meeting of the Institute of Management Sciences, New York City		March 1969
Textual	MG31 J 16	26	47	B. Bernholtz et. al., "A Method of Scheduling Optimum Operation of Ontario Hydro's Sir Adam-Beck-Niagara Generating Station"		1966
Textual	MG31 J 16	26	48	Raymond C. Boehne, "Digital Simulation of Environmental Limitations of Intervisibility", presented to the NATO Conference on the Role of Digital Simulation in Operational Research		6-10 September 1965
Textual	MG31 J 16	26	49	Juan A. Bustillo, "Notes for talk on: Perspective on Management Science in Venezuela", presented to XVIth Meeting, the Institute of Management Science, New York City		March 1969
Textual	MG31 J 16	26	50	G.K. Chacko, "Measurement of Decision - Process Changes in a Production and Inventory Problem"		1959
Textual	MG31 J 16	26	51	A. Charnes, W.W. Cooper, "Simulation, Optimization and Evaluation of Systems of Traffic Networks"		1966
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Textual	MG31 J 16	51	34	J.W. Abrams, Operational Research, "Chapter II: Linear Programming", unpublished book manuscript, red binder		n.d.

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Textual	MG31 J 16	51	35	J.W. Abrams, Operational Research, "Chapter III: Linear Programming - II", unpublished book manuscript, red binder		n.d.
Textual	MG31 J 16	51	36	J.W. Abrams, Operational Research, "Chapter V: Inventory Models", unpublished book manuscript, red binder		n.d.
Textual	MG31 J 16	51	37	J.W. Abrams, Operational Research, "Chapter V-A: Sequential Network Procedures", unpublished book manuscript, red binder		n.d.
Textual	MG31 J 16	51	38	J.W. Abrams, Operational Research, "Background Material on O.R." and "Chapter I", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	39	J.W. Abrams, Operational Research, "Chapter I", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	40	J.W. Abrams, Operational Research, "Chapter II-I-I: Linear Programming - I General", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	41	J.W. Abrams, Operational Research, "Chapter II-I-IV: Duality", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	42	J.W. Abrams, Operational Research, "Chapter II-II-I: Linear Programming", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	43	J.W. Abrams, Operational Research, "Chapter II-III-I: Linear Programming", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	44	J.W. Abrams, Operational Research, "Chapter III-I-I: Introduction to Queues and Probabilistic Systems", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	45	J.W. Abrams, Operational Research, "Chapter III-I-III: Multi-Channel Poisson-Exponential Queues", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	46	J.W. Abrams, Operational Research, "Chapter III-III-I: Simulation and Modelling of Queueing Systems", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	47	J.W. Abrams, Operational Research, "Chapter IV-I-II: Inventories - Stochastic Demand", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	48	J.W. Abrams, Operational Research, "Chapter IV-C: Dynamic Programming and Inventory Policy", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	49	J.W. Abrams, Operational Research, "Chapter V: Inventory Models", unpublished book manuscript		n.d.
Textual	MG31 J 16	51	50	J.W. Abrams, Operational Research, portions of two chapters, unpublished book manuscript		n.d.
Textual	MG31 J 16	51	51	J.W. Abrams, Operational Research, "Chapter I: Introduction to O.R." - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	51	52	J.W. Abrams, Operational Research, "Chapter)Lecture) II-VIII: Linear Programming" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	51	53	J.W. Abrams, Operational Research, "Chapter III: Linear Programming-II" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	51	54	J.W. Abrams, Operational Research, "Chapter III-I-I: Introduction to Queues to Programming Systems" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	51	55	J.W. Abrams, Operational Research, "Chapter III-III-I: Simulation and Modelling of Queueing Systems" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	51	56	J.W. Abrams, Operational Research, "Chapter IV: Introduction to O.R." - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	51	57	J.W. Abrams, Operational Research, "Chapter IV-I-II: Inventories - Stochastic Demand" - Notes, unpublished book manuscript		n.d.
Textual	MG31 J 16	51	58	J.W. Abrams, Operational Research, "Chapter IV-II-I: Inventory - Period Considerations - Delays" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	51	59	J.W. Abrams, Operational Research, "Chapter V, Section 2: Stochastic Demand" - Lecture notes and unpublished book manuscript		n.d.

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	52	1	J.W. Abrams, Operational Research, "Chapter IV-B: Inventory Under Constraint" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	2	J.W. Abrams, Operational Research, "Chapter V: Untitled" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	3	J.W. Abrams, Operational Research, "Chapter V-2-4, section 4: Continuous Newsboy Problem" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	4	J.W. Abrams, Operational Research, "Chapter V-3, section 3: Economic Order Quantities - Synamic Systems" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	5	J.W. Abrams, Operational Research, "Chapter IX: Queues (Waiting Lines)" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	6	J.W. Abrams, Operational Research, "Chapter X, XI, XII: Unnamed" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	7	J.W. Abrams, Operational Research, "Chapter XIII: Frequency Functions" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	8	J.W. Abrams, Operational Research, "Chapter Unnumbered: Inventory Control" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	9	J.W. Abrams, Operational Research, "Chapter Unnumbered: Inventory Problems" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	10	J.W. Abrams, Operational Research, "Chapter Unnumbered: Queue Examples" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	11	J.W. Abrams, Operational Research, "Chapter Unnumbered: Transportation Problem" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	12	J.W. Abrams, Operational Research, "Chapter P: Stochastic Models in Inventory Control" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	13	J.W. Abrams, Operational Research, "Chapter Q: Unnamed" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	14	J.W. Abrams, Operational Research, "Chapter R: Stochastic Deterioration" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	15	J.W. Abrams, Operational Research, "Chapter S: Competitive Strategies" - Lecture notes and unpublished book manuscript		n.d.
Textual	MG31 J 16	52	16--17	J.W. Abrams, Operational Research - Material probably related to lecture notes, unpublished book manuscript, particularly chapters I, II, VI		n.d.
Textual	MG31 J 16	52	18--19	J.W. Abrams, Operational Research - Material probably related to lecture notes, unpublished book manuscript		n.d.
Operational Research - (c) Papers, lectures on Operational Research by J.W. Abrams (excluding University of Toronto Teaching)						
Textual	MG31 J 16	52	20	J.W. Abrams, R.W.P. Anderson and J.D. Clough "A Practical Approach to Automatic Production"		n.d.
Textual	MG31 J 16	52	21	J.W. Abrams, Operational Research - Lecture on "Bits and Pieces (Quadratic Programming)" for an unidentified course		n.d.
Textual	MG31 J 16	52	22	J.W. Abrams, Operational Research - Lecture on "Games and Decisions" for an unidentified course		n.d.
Textual	MG31 J 16	52	23	J.W. Abrams - Hospital Administration, notebook		n.d.
Textual	MG31 J 16	52	24	J.W. Abrams, Operational Research - Lecture on "Key M.S. Decisions" for an unidentified course		n.d.
Textual	MG31 J 16	52	25	J.W. Abrams, Operational Research - Lectures on Linear Programming grouped under title "Mining Course"		n.d.
Textual	MG31 J 16	52	26	J.W. Abrams, Operational Research - Paper on O.R. Studies and Models Implementation		n.d.

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Textual	MG31 J 16	52	27	J.W. Abrams, Operational Research - Lecture on "Probability" and "O.R. Bibliographies" for an unidentified course		n.d.
Textual	MG31 J 16	52	28	J.W. Abrams, Operational Research, "Restricted Transfers"		n.d.
Textual	MG31 J 16	52	29	J.W. Abrams, Operational Research - Speech script (?) on O.R. Experts and Relations to Business Administrators		n.d.
Textual	MG31 J 16	52	30	J.W. Abrams, Operational Research - Speech script (?) for talk on O.R. Model Building		n.d.
Textual	MG31 J 16	52	31	J.W. Abrams, Operational Research - Speech script (?) for talk on O.R. Model Building		n.d.
Textual	MG31 J 16	52	32--34	J.W. Abrams, Operational Research and Linear Programming - Unidentified research notes		n.d.
Textual	MG31 J 16	52	35--36	J.W. Abrams, Operational Research - Problems and lecture notes for unidentified courses		n.d.
Textual	MG31 J 16	52	37--38	J.W. Abrams, Operational Research - Miscellaneous manuscript		n.d.
Textual	MG31 J 16	52	39	J.W. Abrams, Operational Research - Miscellaneous		n.d.
Operational Research - (d) Papers, lectures on Operational Research by other authors						
Textual	MG31 J 16	52	40	Anonymous, paper on "Humping Mode Costs"		n.d.
Textual	MG31 J 16	52	41	Anonymous, "Operational Research in Health Services", seminar outline for an unidentified course/conference		n.d.
Textual	MG31 J 16	52	42	Anonymous, Operational Research - Report on CN transportation tariffs		n.d.
Textual	MG31 J 16	52	43	Agin, N., "Optimum Seeking with Branch and Bound"		1966
Textual	MG31 J 16	52	44	Anerson, R. W. P., "Critical Path Scheduling: Pert/Time and Pert/Cost"		n.d.
Textual	MG31 J 16	52	45	Angers, F.-A., "The Consequences of Computers on the Future of Social Institutions"		n.d.
Textual	MG31 J 16	52	46	Barrett, F. D., "The Management Concept"		1964
Textual	MG31 J 16	52	47	Ben-Israel, A., "On Newton's Method for the Solution of Systems of Equations"		1965
Textual	MG31 J 16	52	48	Boot, J. C. G. and R.O. Teach, "Are Consumers Distance Transitive?"		n.d.
Textual	MG31 J 16	52	49	Buzarotti, J. A. (?), "Qualitative Events", chapter from unidentified manuscript		n.d.
Textual	MG31 J 16	53	1	Canada - Senate - "Proceedings of the Special Committee of the Senate on Science Policy", 1976; also J.E. Dooley, "An Operational Research View of the Senate Report on a Science Policy for Canada"		1976
Textual	MG31 J 16	53	2	Charnes, A. and K. Kortanek, "A Note on the Discrete Maximum Principle and Distribution Problems"		1966
Textual	MG31 J 16	53	3	Dobrov, G. M., "A Strategy for Organized Technology"		1977
Textual	MG31 J 16	53	4	Eilon, S., "Taxonomy of Communications"		1967
Textual	MG31 J 16	53	5	Ezra, D., "Operational Research within the National Coal Board"		n.d.
Textual	MG31 J 16	53	6	Gratwick, J., "Area of Coverage, Objectives and Programmes of the Special Programme Panel on Systems Science", NATO unclassified document		1973
Textual	MG31 J 16	53	7	Grygier, T., "Treatment Variables in Non-Linear Prediction"		1964
Textual	MG31 J 16	53	8	Grygier, T., "The Concept of 'Social Progression'"		1963-1964
Textual	MG31 J 16	53	9	Grygier, T., "The Linear Regression and Progression Models"		n.d.
Textual	MG31 J 16	53	10	Ham, J.M., "Megawatts and Megaclocks: Aspects of the Imperative of Scale in Technology"		1974
Textual	MG31 J 16	53	11	Hirsch, W.M. and G.B. Dantzig, "The Fixed Charge Problem", Rand Corporation Astia document		1954
Textual	MG31 J 16	53	12	Jeroslow, R.G., "An Application of Linear Programs with Infinite Quantities"		1970
Textual	MG31 J 16	53	13	Jones, R.V., "Philosophers and Kings", Rand Corporation document		1962
Textual	MG31 J 16	53	14	Kirby, J.L., "On Methods of Testing for Diurnal Effect"		1967
Textual	MG31 J 16	53	15	Kotz, S., "Russian-English Machine Translation After Fifteen Years"		1966

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	53	16	Law, C.E., "A Survey of Operational Research Education in Canada", School of Business, Queen's University; also "Questionnaire on Operational Research Education"		n.d.
Textual	MG31 J 16	53	17	Lesourne, R.W., "A Prospective Look at the OR System"		n.d.
Textual	MG31 J 16	53	18	Linder, R.W., "A Review of 'Contributions to Airline Scheduling' by G. Shaw"		1968
Textual	MG31 J 16	53	19	Madge, D.N., "Simulation of Truck Movements in an Open Pit Mining Operation", Referee's Report and correspondence		1963
Textual	MG31 J 16	53	20	Majone, G., "Scientific and Social Aspects of Systems Analysis: Proposal of a Conceptual Framework for the State-of-the-Art Series in Applied Systems Analysis"		1976
Textual	MG31 J 16	53	21	Majone, G., "Technology Assessment in a Dialectic Key"		1977
Textual	MG31 J 16	53	22	Morcego, C.S., "Artorga, Antithetics"		1963
Textual	MG31 J 16	53	23	Palmer, J.D., "Problems in the Simulation of Dynamic Social Systems"		1965
Textual	MG31 J 16	53	24	Pearce, W.G., "Canadian National Railways' Experience with CPM"		1967
Textual	MG31 J 16	53	25	Reidford, P., "Abstracts of Thesis on Nonverbal Conservation"		n.d.
Textual	MG31 J 16	53	26	Ross, J.A., "Culture, Curriculum and the Engineer"		n.d.
Textual	MG31 J 16	53	27	Rothfels, K.H. and T.W. Fairlie, "The Non-Random Distribution of Inversion Breaks in the Midge <i>Tendipes Decourus</i> "		1956-1957
Textual	MG31 J 16	53	28	Shaw, G.C., "An Empirical Study of the Effect of Schedules on Passenger Traffic"; also Referee's Reports and correspondence		1973
Textual	MG31 J 16	53	29	Stafford, T. J. and A.P. Ellison, "The Forecasting of Inter-City Passenger Demand in the U.K."		1968
Textual	MG31 J 16	53	30	Stansfield, R.G., "The New Theology? The Case of the Dripping Tap"		1975
Textual	MG31 J 16	53	31	Teichroew, D., "Operations Research as Scientific Approach to Business"		n.d.
Textual	MG31 J 16	53	32	Tomlinson, R.C., "Operational Research and Systems Analysis: From Practice To Precept"		n.d.
Textual	MG31 J 16	53	33	Waddington, C.W., "Operating on Complex Systems", chapter from forthcoming book "Tools of Thought"		n.d.
Textual	MG31 J 16	53	34	Wagle, B.V., "Corporate Planning in Local Authorities"		n.d.
Textual	MG31 J 16	53	35	Wilson, P.B., "Operations Research and its Application in the CN"		1965
Textual	MG31 J 16	53	36	Yager, S., talk on "Automatic Decision Rules"		n.d.
Operational Research - at various educational institutions						
Textual	MG31 J 16	53	37	Charnes, A. and M. Kirby, "Optimal Decision Rules for the Triangular E-Model of Chance-Constrained Programming", Department of Ind. Engineering, Northwestern University		n.d.
Textual	MG31 J 16	53	38	Randor, M. and A.S. Bean, "Top Management and the use of Management Sciences: An Overview of the Issues", Graduate School of Management, Northwestern University (Ill.)		n.d.
Textual	MG31 J 16	53	39	Rubenstein, A.H. and J.B. McColly, "Phases in the Life Cycle of Operations Research Groups" - Abstract, Department of Industrial Engineering, Northwestern University (Ill.)		n.d.
Textual	MG31 J 16	53	40	Baker, N.R., "An Analysis of Several Environmental Factors Affecting Industrial Operations Research-Management Science Activities" - Thesis Summary, Department of Industrial Engineering, Northwestern University (Ill.)		1963
Textual	MG31 J 16	53	41	Heiman, D., "A Procedure for Predicting the Potential Success or Failure of an OR/MS Activity" - Thesis Summary, Department of Industrial Engineering, Northwestern University (Ill.)		1964
Textual	MG31 J 16	53	42	Rubinstein, A.H.; Radnor, M.; Baker, R.N.; Heiman, D.; McColly, J.B., "Some Organizational Factors Related to the Effectiveness of Management Study Groups in Industry" - Abstract, Department of Industrial Engineering, Northwestern University		1965

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	53	43	Rubinstein, A.H., "Memo to Principal Investigators Listed in the 1968 <u>Directory of Research on Research</u> ", and copy of First Issue of <u>Engineering Management</u> (1965)		1965, 1968
Textual	MG31 J 16	53	44	Radnor, M., "Management Science and Policy Sciences", Department of Organization Behaviour, Northwestern University (Ill.)		1970
Textual	MG31 J 16	53	45	Radnor, M., "Management Science and Policy Sciences", Graduate School of Management, Northwestern University (Ill.)		1970-1971
Textual	MG31 J 16	53	46	Department of Industrial Engineering, Northwestern University (Ill.) - Correspondence on Operations Research		1970-1972
Textual	MG31 J 16	53	47	Radnor, M. and R. Neal, "The Progress of Management Science Activities in Large U.S. Corporations", Graduate School of Management, Northwestern University		1971
Textual	MG31 J 16	53	48	Department of Industrial Engineering, Northwestern University, "Program of Research on the Management of Research and Development"	Brochure, 38 pages.	1972
Textual	MG31 J 16	53	49	Lonnstedt, L., "Operational Research in Enterprises Quoted on the Stock Exchange Market"	Paper sent to Department of Industrial Engineering, Northwestern University (Ill.), Xerox, 12 pages.	1972
Textual	MG31 J 16	53	50	Lonnstedt, L., "What Characterize the Swedish Enterprises Quoted on the Stock Exchange Market Which are Using Operational Research"	Paper sent to Department of Industrial Engineering, Northwestern University (Ill.), Xerox, 21 pages.	1972
Textual	MG31 J 16	53	51	Lonnstedt, L., "What is Required for the Implementation of Operational Research Solutions?"	Paper sent to Department of Industrial Engineering, Northwestern University (Ill.), Xerox, 14 pages.	1972
Textual	MG31 J 16	53	52	Lonnstedt, L., "The Use of Operational Research in Twelve Companies Quoted on the Stockholm Stock Exchange"	Paper sent to Department of Industrial Engineering, Northwestern University (Ill.), Xerox, 17 pages.	1972
Textual	MG31 J 16	53	53	Neal, R.D. and M. Randor, "The Relationship Between Formal Procedures for Pursuing OR/MS Activities and OR/MS Group Success", Department of Industrial Engineering, Northwestern University		1972
Textual	MG31 J 16	53	54	Swan, A.W., Writings for a proposed course in Industrial Engineering at the Nova Scotia Technical College		[ca. 1965]
Textual	MG31 J 16	54	1	Swan, A.W., "Creative Thinking and Industrial Engineering", Inaugural Lecture for unidentified course at the Nova Scotia Technical College		n.d.
Textual	MG31 J 16	54	2	Swan, A.W., "Operational Research in Industry" (Published report)		1960
Textual	MG31 J 16	54	3	Swan, A.W., "Simulation" (reprint from "The Engineer")		1966
Textual	MG31 J 16	54	4	J.W. Abrams, Queen's University, School of Business Administration - Lecture notes for course "O.R.II" (Name of "Clough" found on binder)		1963-1964
Textual	MG31 J 16	54	5	J.W. Abrams, Queen's University, School of Business Administration - Lecture notes for course in Linear Programming, manuscript, part 1		1966-1967
Textual	MG31 J 16	54	6	J.W. Abrams, Queen's University, School of Business Administration - Lecture notes for course in Linear Programming, manuscript, part 2		1966-1967
Textual	MG31 J 16	54	7	J.W. Abrams, Queen's University, School of Business Administration - Lecture notes for course in Linear Programming, manuscript, part 3		1966-1967
Textual	MG31 J 16	54	8	Queen's University, School of Business Administration 962 and Commerce 362 courses, examinations		1966
Textual	MG31 J 16	54	9	University of Toronto, Division of University Extension - Course outline and bibliography for course entitled "Computer-Based Management Information Systems"		1970
Textual	MG31 J 16	54	10	University of Toronto, Department of Industrial Engineering, Division of University Extension - Course outline for course entitled "Introduction to Operational Research"		[ca. 1966]

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Textual	MG31 J 16	54	11	University of Toronto, Division of University Extension and Department of Industrial Engineering, "Linear Programming and Its Extension" - Course, problems, final examinations		1969-1974
Textual	MG31 J 16	54	12	University of Toronto, School of Hygiene - Course in Advanced Study of Health Services Organization and Administration - Course description, list of students, memoranda		1966
Textual	MG31 J 16	54	13	Various bibliographies, largely on problems of studies in Operational Research		[ca. 1960s]
Textual	MG31 J 16	54	14	First International Research Conference on Operational Research, University of Sussex - List of delegates		1973
Textual	MG31 J 16	54	15	Elton, M. - "The Use of Operational Research in the Social Services Area" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	16	Haley, K.B. - "A Look at Search Theory" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	17	Lambe, T.A. - "Urban Transportation Systems - Theory and Observation" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	18	Lawrence, J. - "Manpower and Personnel Models in Britain: A Selective Survey" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	19	Frick, R.K. - "New Horizons for Operational Research in the Field of Technological Forecasting" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	20	Gregory, G. - "Assembly Line Balancing" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	21	Bandyopadhyay, R. - "Operational Research Models in Developing and Developed Economies- Relationships Between Theory and Practice" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	22	Steele, J.L. - "The Regulatory Process and Operational Research Models" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	23	Rivett, P. - "Introductory Address" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	24	Beightler, C. - "Econometric Models for Evaluating Government Policies" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	25	Muller-Merbach, H. - "The Role of Creativity in the Operational Research Approaches to Actual Problem Solving" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	26	Hughes, P. - "The Future of Forms of Data Communication" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	27	Eddison, R. - "Implications of Change" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	28	Terplan, K. - "Reliability of Operative Manufacturing Plans" - Paper given at First International Research Conference on Operational Research, University of Sussex		1973
Textual	MG31 J 16	54	29	Second International Research Conference on Operational Research, University of Sussex - General information, agenda, correspondence		1976

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Textual	MG31 J 16	54	30	J.W. Abrams - Notes on Papers given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	31	Tomlison, R.C. - "Operational Research, Organizational Design and Adaptivity" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	32	Stringer, J. - "Operational Research and Public Policy" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	33	Eilon, S. - "Aggregate Production Planning" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	34	Barber, B. - "Implementation and the Utilization of Operational Research in the Re-Organized National Health Services" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	35	Hirsch, P.G. - "The Relevance of Theoretical Banking O.R. Techniques to Actual Problems of Banking" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	36	Rivett, P. - "Policy Selection by Structural Mapping" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	37	Tapp, J.R. - "Financial Goals and Objectives" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	38	Radford, K.J. - "Analysis in Support of Strategic Policy Making" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	39	Bryant, J.W. - "Environment Management: the O.R. Contribution" Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	40	Wagle, B.V. - "Corporate Planning in Local Authorities" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	41	Lapide, L. and Gupta, S.K. - "Evaluating Integrated Market Research Information Systems for New Product Test Marketing" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	42	Geoffrey, G. - "Cash Flow Models" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	43	Rosenhead, J. - "Operational Research in Urban and Social Planning" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	44	Torplan, K. - "Scheduling Information Processing Activities" - Paper given at Second International Research Conference on Operational Research, University of Sussex		1976
Textual	MG31 J 16	54	45	J.W. Abrams' Consultant's Report on N. Bourassa Ltée. (La Belle Ferrière), probably prepared for Price-Waterhouse and Co., part I		1963
Textual	MG31 J 16	54	46	J.W. Abrams' Consultant's Report on N. Bourassa Ltée. (La Belle Ferrière), probably prepared for Price-Waterhouse and Co., part II		1963
Textual	MG31 J 16	55	1	J.W. Abrams' Consultant's Report on N. Bourassa Ltée. (La Belle Ferrière), probably prepared for Price-Waterhouse and Co., part III		1963
Textual		72	1	Personal Office Data (including correspondence)	File contains correspondence, reports, and some publications relating to work with the Operational Research Group at the National Research Council	1950-1955

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Textual		72	2	Personal Office Data (including correspondence)	File contains correspondence, reports, and some publications relating to work with the Operational Research Group at the National Research Council	1948-1955
Other Material series						
University of Toronto, Administration and Policy (a) Institute for the History and Philosophy of Science and Technology						
Textual	MG31 J 16	43	1	University of Toronto - Survey on need for university-wide lectures		n.d.
Textual	MG31 J 16	43	2	University of Toronto - Creation and early years of the Institute for the History and Philosophy of Science and Technology		1963-1969
Textual	MG31 J 16	43	3	University of Toronto - Teaching - University Extension - Evening tutorial classes - <u>History and Philosophy of Science</u>	Course outline, 3 pages.	[1964]
Textual	MG31 J 16	43	4	University of Toronto - Creation and early years of the Institute for the History and Philosophy of Science and Technology		1964
Textual	MG31 J 16	43	5	University of Toronto - Creation and early years of the Institute for the History and Philosophy of Science and Technology		1966
Textual	MG31 J 16	43	6	University of Toronto. N.R. Hanson, "A Report to the University of Toronto on History and Philosophy of Science as a subject for University Research and Teaching", 1965 - Correspondence		1967
Textual	MG31 J 16	43	7	University of Toronto - Creation and early years of the Institute for the History and Philosophy of Science and Technology		1968-1978
Textual	MG31 J 16	43	8	University of Toronto - Creation and early years of the Institute for the History and Philosophy of Science and Technology		1968-1979
Textual	MG31 J 16	43	9	University of Toronto - Teaching - Proposed 1969-1970 courses in the History and Philosophy of Science and Technology		1969
Textual	MG31 J 16	43	10	Institute for the History and Philosophy of Science - Report		1970
Textual	MG31 J 16	43	11	University of Toronto - Five-Year Report of the Institute for the History and Philosophy of Science		1973
Textual	MG31 J 16	43	12	University of Toronto, Institute for the History and Philosophy of Science and Technology - Notes		1973
Textual	MG31 J 16	43	13	Institute for the History and Philosophy of Science and Technology - Constitution, bulletin		1973-1974
Textual	MG31 J 16	43	14	University of Toronto - Hapsat Evaluation of the Institute for the History and Philosophy of Science and Technology		1977
Textual	MG31 J 16	43	15	University of Toronto, Institute for the History and Philosophy of Science and Technology - Scott Committee Report		1978
Textual	MG31 J 16	43	16	University of Toronto, Institute for the History and Philosophy of Science and Technology - Michael S. Mahoney, "By No Other Method..." - Announcement of lecture		1978
Textual	MG31 J 16	43	17	University of Toronto, Institute for the History and Philosophy of Science and Technology - Minutes		1980
Textual	MG31 J 16	43	18	University of Toronto, Institute for the History and Philosophy of Science and Technology - Degree description		n.d.
University of Toronto, Administration and Policy (b) Faculty of Applied Science and Engineering						
Textual	MG31 J 16	43	19	University of Toronto, Faculty of Applied Science and Engineering, Department of Industrial Engineering - Application for Admission as a Graduate Department of the School of Graduate Studies		n.d., 1963?
Textual	MG31 J 16	43	20	University of Toronto, Faculty of Applied Science and Engineering - Staff meetings, announcements, assignment of Theses Supervisors		1963
Textual	MG31 J 16	43	21--23	University of Toronto, Faculty of Applied Science and Engineering - Council Minutes and Committee Reports		1972-1973
Textual	MG31 J 16	43	24--25	University of Toronto, Faculty of Applied Science and Engineering - Faculty Gazette and correspondence		1972-1973
Textual	MG31 J 16	43	26	University of Toronto, Faculty of Applied Science and Engineering - Student evaluation of teaching		1975
Textual	MG31 J 16	43	27	University of Toronto, Faculty of Applied Science and Engineering - Minutes and reports		1976-1978

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	43	28	University of Toronto, Faculty of Applied Science and Engineering - Task Force on Complementary Studies - Minutes		1980
University of Toronto, Administration and Policy (c) Faculty of Arts and Science						
Textual	MG31 J 16	43	29--30	University of Toronto, Faculty of Arts and Science - Interdisciplinary Curriculum Committee		1972-1973
Textual	MG31 J 16	43	31	University of Toronto, Faculty of Arts and Science - Minutes		1976-1978
University of Toronto, Administration and Policy (d) Scarborough College						
Textual	MG31 J 16	43	32	University of Toronto, Scarborough College		1971
University of Toronto, Administration and Policy (e) History Department						
Textual	MG31 J 16	44	1	University of Toronto, Department of History - Course changes		1968
Textual	MG31 J 16	44	2	University of Toronto, History Courses - Evaluation		1970
Textual	MG31 J 16	44	3	University of Toronto, History Courses - Evaluation		1971
University of Toronto, Administration and Policy (f) Division of Extension						
Textual	MG31 J 16	44	4	University of Toronto, Division of Extension - Teaching -Various courses		1971-1973
University of Toronto, Administration and Policy (g) School of Business						
Textual	MG31 J 16	44	5	University of Toronto, School of Business Studies		1966-1971
University of Toronto, Administration and Policy (h) School of Hygiene						
Textual	MG31 J 16	44	6	University of Toronto, School of Hygiene		1969-1971
University of Toronto, Administration and Policy (i) School of Social Work						
Textual	MG31 J 16	44	7	University of Toronto, School of Social Work - Organization		1964
Textual	MG31 J 16	44	8	University of Toronto, School of Social Work		1966-1972
Textual	MG31 J 16	44	9	University of Toronto, School of Social Work - Meetings, reports		1975-1977
Textual	MG31 J 16	44	10	University of Toronto, School of Social Work - Minutes of meetings		1975-1977
University of Toronto, Administration and Policy (j) Institute for Aerospace						
Textual	MG31 J 16	44	11	University of Toronto, Institute for Aerospace - Cockburn Bequest		1977
University of Toronto, Administration and Policy (k) Institute for the Quantitative Analysis of Social and Economic Policy						
Textual	MG31 J 16	44	12	University of Toronto, Institute for the Quantitative Analysis of Social and Economic Policy - Constitution		1967
University of Toronto, Administration and Policy (l) Various Committees and Communications						
Textual	MG31 J 16	44	13	University of Toronto - Tentative budget		1968-1969
Textual	MG31 J 16	44	14	Commission on Post-Secondary Education in Ontario - Brief submitted to University of Toronto, School of Graduate Studies		1971
Textual	MG31 J 16	44	15	University of Toronto - Higher Education Group		1971
Textual	MG31 J 16	44	16	University of Toronto - Policy on Staff Supplementary Income		1972
Textual	MG31 J 16	44	17	University of Toronto, Ad Hoc Committee on Employment of Women at the University of Toronto - A Brief Submitted to the Commission on Post-Secondary Education in Ontario		1972
Textual	MG31 J 16	44	18	President's Committee on Sigmund Samuel Library Collection		1972
Textual	MG31 J 16	44	19	University of Toronto - Academic Appointments Policy		1974
Textual	MG31 J 16	44	20	University of Toronto, Office of Research Administration, "Information"		1974
Textual	MG31 J 16	44	21	University of Toronto, Special Committee on J.R. Cockburn Bequest		1975, 1978, 1981
Textual	MG31 J 16	44	22	University of Toronto, Subcommittee on Undergraduate Curriculum, Social Impact of Technology		1975
Textual	MG31 J 16	44	23	University of Toronto, Task Force on Canadian Studies		1976
Textual	MG31 J 16	44	24	University of Toronto, Policy on Extension on Contract Beyond Age 65		1977
Textual	MG31 J 16	44	25	University of Toronto - Report of the Task Force on Canadian Studies and the University of Toronto		1977
Textual	MG31 J 16	44	26	University of Toronto - President J.M. Hams Installation Address		1978
Textual	MG31 J 16	44	27	David Steedman, "The Future Employment of Ph.D. Graduates in the Humanities"		1978
Textual	MG31 J 16	44	28	University of Toronto - Task Force on Undergraduate Non-Technical Curriculum - Reports, minutes		1979-1980

Media Support	Label	Vol.	File Dossier	Title Titre	Scope and content Portée et contenu	Dates
Textual	MG31 J 16	44	29	University of Toronto, Faculty of Applied Science and Engineering - Complementary Studies in the Faculty of Applied Science and Engineering: The Report of the Task Force on the Non-Technical Undergraduate Curriculum	Includes draft of the report and correspondence.	1980
Textual	MG31 J 16	44	30	The New University, Calendar		1980-1981
Textual	MG31 J 16	44	31	University of Toronto - Miscellaneous		n.d.
Astronomy: Writings by J.W. Abrams and printed bulletins						
Textual	MG31 J 16	44	32	J.W. Abrams and E. Opik, "The Degree of Variability of Calcium Content in Atmospheres of A-Type Stars"		1937
Textual	MG31 J 16	44	33	J.W. Abrams, "Special Distribution of Binary Stars" - Notes, drafts		1946
Textual	MG31 J 16	44	34	J.W. Abrams, "The Luminosity Functions of the Brighter Stars"	Article based on Ph.D. dissertation, 22 pages.	1946
Textual	MG31 J 16	44	35	J.W. Abrams, "Luminosity Functions of the Brighter Stars", reprinted from the <i>Astrophysical Journal</i> , vol. 195, No. 2		1947
Textual	MG31 J 16	44	36	Harvard University, Bulletin of the Panel on the Orbits of Eclipsing Binaries, Nos. 1,2,4,7		1946-1947
Ontario Science Centre - (a) Incorporation and Organization						
Textual	MG31 J 16	45	26	Ontario Science Centre - Incorporation and Jurisdictional Chart		1965
Textual	MG31 J 16	45	27	Ontario Science Centre - Statement by John P. Roberts		n.d.
Textual	MG31 J 16	45	28	Ontario Science Centre - Theme outline		1964
Textual	MG31 J 16	45	29	Ontario Science Centre - An Approach to Exhibit Planning		1965
Textual	MG31 J 16	45	30	Centennial Centre of Science and Technology (Ontario Science Centre) - Correspondence, exhibit planning, publicity		1966-1969, n.d.
Ontario Science Centre - (b) Thematic Subject Design of Exhibits						
Textual	MG31 J 16	45	31	Ontario Science Centre - Design - Electron Microscope exhibit		1965-1966
Textual	MG31 J 16	45	32	Ontario Science Centre - Design - Energy storyline		[ca. 1966]
Textual	MG31 J 16	45	33	Ontario Science Centre - Design - Entropy exhibit		[ca. 1966]
Textual	MG31 J 16	45	34	Ontario Science Centre - Design - Experimental Psychology storyline		[ca. 1966]
Textual	MG31 J 16	45	35	Ontario Science Centre - Design - General notes on exhibits, on Science		[ca. 1966]
Textual	MG31 J 16	45	36	Ontario Science Centre - Design - Machine and Technology exhibit		1966
Textual	MG31 J 16	45	37	Ontario Science Centre - Machine Technology storyline		1966
Textual	MG31 J 16	45	38	Ontario Science Centre - Design - Medicine storyline		[ca. 1966]
Textual	MG31 J 16	45	39	Ontario Science Centre - Design - Minutes of meetings of Exhibits and Storyline Committees		1965-1966
Textual	MG31 J 16	45	40	Ontario Science Centre - Design - Printed materials		[ca. 1966]
Textual	MG31 J 16	45	41	Ontario Science Centre - Design - Pure Science storyline		1965
Textual	MG31 J 16	45	42	Ontario Science Centre - Design - Temperature		1966
Textual	MG31 J 16	45	43	Ontario Science Centre - Design - Valuation of Matthews Collection of Machine Technology		1965
Textual	MG31 J 16	45	44	Ontario Science Centre - Design - Various exhibits (Gases, Planetary, Cobalt Bomb, Hormones, Low Biological Temperatures, The North)		[ca. 1966]
Textual	MG31 J 16	45	45	John W. Abrams, "Astronomy, The First and Last Challenge", prepared for the Centennial Centre of Science and Technology		1967
Textual	MG31 J 16	45	46	Ontario Science Centre - Movie script and plan (John Abrams to be on camera, subject: Timekeeping)		n.d.
Textual	MG31 J 16	45	47	Ontario Science Centre - Various papers		n.d.
Ontario Department of Education: Various science curriculum committees						
Textual	MG31 J 16	46	1	Ontario Department of Education - Man in Society		1965
Textual	MG31 J 16	46	2-4	Ontario Department of Education - General Science Committee		1965
Textual	MG31 J 16	46	5	Ontario Department of Education, Colleges of Applied Arts and Technology - Letters to editor, other correspondence		1965
Textual	MG31 J 16	46	6	Ontario Department of Education - Science Curriculum development		1965-1966
Textual	MG31 J 16	46	7	Ontario Department of Education - Social Studies Curriculum Program		1968

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Textual	MG31 J 16	46	8	Ontario Department of Education - History of Science and Technology - Curriculum Development		1968-1972
Textual	MG31 J 16	46	9	Ontario Department of Education - <u>Man, Science and Technology</u>		1972
Textual	MG31 J 16	46	10	Ontario Department of Education - <u>History, Science, Technology and Humanity</u>	Mimeographed typescript labelled "For field test only". Much or all of this was written by J.W. Abrams. 57 pages.	n.d.
Textual	MG31 J 16	46	11	Education - Various		n.d.
Textual	MG31 J 16	46	12	Reprints - Education		1962-1965
Textual	MG31 J 16	46	13	Educational Television, Ontario Educational Communications Authority, Toronto - Correspondence, script		1970
Ontario Government Committee on Government Productivity - Correspondence, reports						
Textual	MG31 J 16	46	14--15	Ontario Government Committee on Government Productivity - Correspondence, reports		1971-1972
Textual	MG31 J 16	46	16--21	Ontario Government Committee on Government Productivity		1970-1972
University of Toronto, Department of Industrial Engineering - (a) Identified courses: lectures, outlines, assignments and related material						
Textual	MG31 J 16	58	28--30	J.W. Abrams, Department of Industrial Engineering - Printed material for Industrial Engineering course no. 200		1974-1976
Textual	MG31 J 16	58	31	J.W. Abrams, Department of Industrial Engineering - Printed material for Industrial Engineering course no. 200		[ca. 1979]
Textual	MG31 J 16	58	32	University of Toronto, Department of Industrial Engineering - Industrial Engineering courses 200F, 200S - Examinations		1975
Textual	MG31 J 16	59	1	University of Toronto, Department of Industrial Engineering - History and Philosophy of Science courses 281F, 282, 282S - Tests, examinations		1977-1981
Textual	MG31 J 16	59	2	University of Toronto, Department of Industrial Engineering - Composition of final marks for courses 281F and 413F		1978-1979
Textual	MG31 J 16	59	3	University of Toronto, Department of Industrial Engineering - "Guide to Serials in the School of Business Library"		1964
Textual	MG31 J 16	59	4	J.W. Abrams, Department of Industrial Engineering - Operational Research course 401 - Examination and problem sheets		[ca. 1967]
Textual	MG31 J 16	59	5	University of Toronto, Department of Industrial Engineering courses 412 and 413 (Operational Research) - Problems and examinations		1966-1980
Textual	MG31 J 16	59	6	J.W. Abrams, Linear Programming - Lecture notes - Industrial Engineering course 413; lecture (unnumbered) "Dynamic Programming"		1971
Textual	MG31 J 16	59	7	J.W. Abrams, Linear Programming - Lecture notes - Industrial Engineering course 413(?), Lecture X, "Pivot Theory"		1971
Textual	MG31 J 16	59	8	J.W. Abrams, Linear Programming - Lecture notes - Industrial Engineering course 413(?), Lecture XI, "Matrices and Simplex Method with Multipliers"		1971
Textual	MG31 J 16	59	9	J.W. Abrams, Linear Programming - Lecture Notes - Industrial Engineering, course 413(?), Lecture XII, "Simplex with Multipliers and Simplex Variants"		1971
Textual	MG31 J 16	59	10	J.W. Abrams, Linear Programming - Lecture notes - Industrial Engineering course 413(?), Lecture XIV, "Price Mechanism of Simplex"		1971
Textual	MG31 J 16	59	11	J.W. Abrams, Linear Programming - Lecture notes - Industrial Engineering course 413(?), Lecture XXIV, "Integer Programs"		1971
Textual	MG31 J 16	59	12	J.W. Abrams, Linear Programming - Lecture notes - Industrial Engineering course 413(?), Lecture XXIV, "Nature of Discrete-Variable (Integer) Problems"		1971
Textual	MG31 J 16	59	13	J.W. Abrams, Linear Programming - Lecture notes - Industrial Engineering course 413(?), Lecture XXV, "Linear Programming"		1969-1970
Textual	MG31 J 16	59	14	University of Toronto, Department of Industrial Engineering - Notes on Operational Research for course 413F		1974
Textual	MG31 J 16	59	15	J.W. Abrams, Department of Industrial Engineering - Course material and several lectures for course 413		n.d.

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Textual	MG31 J 16	59	16--18	J.W. Abrams, Department of Industrial Engineering - Lecture notes for Industrial Engineering course no. 413 (Operational Research)		1975-1978
Textual	MG31 J 16	59	19	J.W. Abrams, Department of Industrial Engineering - Lecture notes for Industrial Engineering course no. 413 (Operational Research)		1976-1977
Textual	MG31 J 16	59	20	J.W. Abrams, "Introductory Notes" to Industrial Engineering course 413F (Fundamentals of Management Science)		[ca. 1978]
Textual	MG31 J 16	59	21	J.W. Abrams, "General Vocabulary "K""	Articles in Industrial Engineering and Operational Research collated by Abrams. Various authors. Photocopies, 1954-1975, probably for use in Industrial Engineering course 413F, ca. 1978.	1954-1975
Textual	MG31 J 16	59	22	J.W. Abrams, "General Vocabulary "M""	Articles in Industrial Engineering and Operational Research collated by Abrams. Various authors. Photocopies, 1964-1978 (probably for use in Industrial Engineering course 413F ca. 1978).	1964-1978
Textual	MG31 J 16	59	23--25	Cunningham, A.A., "Introduction to Operational Research", for use in University of Toronto, Department of Industrial Engineering, course No. 301F		1975
University of Toronto, Department of Industrial Engineering - (b) Unidentified courses: lectures, outlines, assignments and related material						
Textual	MG31 J 16	59	26	J.W. Abrams, Operational Research - Overhead transparencies for unidentified course		n.d.
Textual	MG31 J 16	59 60	27 1--2	J.W. Abrams, Department of Industrial Engineering - Probability and Statistics - Lecture notes		1963
Textual	MG31 J 16	60	3	J.W. Abrams, Linear Programming - "Linear Breakeven Analysis"		n.d.
Textual	MG31 J 16	60	4	J.W. Abrams, University of Toronto - Computing notebook		n.d.
Textual	MG31 J 16	60	5	J.W. Abrams, University of Toronto - Control Theory notebook no. 1		n.d.
Textual	MG31 J 16	60	6	J.W. Abrams, University of Toronto - Control Theory notebook no. VII		n.d.
Textual	MG31 J 16	60	7	J.W. Abrams, University of Toronto - Control Theory notebook no. VIII		n.d.
Textual	MG31 J 16	60	8	J.W. Abrams, University of Toronto - Linear Programming notebook		n.d.
University of Toronto, Department of Industrial Engineering - (c) Ph.D. Orals and Students' Theses Topics						
Textual	MG31 J 16	60	9	Thaler, R.J., "Doctoral Dissertation"		n.d.
Textual	MG31 J 16	60	10	J.W. Abrams, University of Toronto, Department of Industrial Engineering(?) - List of fourth year thesis students and topics		n.d.
Textual	MG31 J 16	60	11	Frances, D.M., "Data Collection Strategies in the Use of Linear Programming" - Program of Ph.D. oral examination		1975
Textual	MG31 J 16	60	12	University of Toronto - Teaching - Industrial Engineering - Thesis project reports of students		1977-1978
University of Toronto, Department of Industrial Engineering - (d) Grant applications						
Textual	MG31 J 16	60	13	Plotkin, H. N., grant application to Canada Council, "The Role of E.C. Pickering in the Development of American Astronomy, 1877-1919"	Includes a progress report, and Abrams' assessment of project.	1973
Textual	MG31 J 16	60	14	J.W. Abrams, Application for Travel Grant to Canada Council		1974
Textual	MG31 J 16	60	15	J.W. Abrams, Application for Operating Grant to National Research Council (Canada)		1974
University of Toronto, Extension Courses						
Textual	MG31 J 16	60	16	J.W. Abrams, University of Toronto, Division of University Extension - Linear Programming and its Extensions course - Lecture on "Simulation"		n.d.
Textual	MG31 J 16	60	17	J.W. Abrams, University of Toronto, Division of University Extension - Linear Programming and its Extensions course - Course material		n.d.

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Textual	MG31 J 16	60	18	J.W. Abrams, University of Toronto, Division of University Extension(?) - Linear Programming and its Extensions course(?)		[ca. 1963]
Linear programming - lecture notes and unpublished book manuscript						
Textual	MG31 J 16	60	19	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter I-I-I, "General"		n.d.
Textual	MG31 J 16	60	20	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter I-I-II, "Models"		n.d.
Textual	MG31 J 16	60	21	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter I-II-I, "Procedures"		n.d.
Textual	MG31 J 16	60	22	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter I-II-II, "Practice"		n.d.
Textual	MG31 J 16	60	23	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter II-I, "General"		n.d.
Textual	MG31 J 16	60	24	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter II-I-II, "Simplex Method-I"		n.d.
Textual	MG31 J 16	60	25	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter II-I-III, "Simplex Method-II"		n.d.
Textual	MG31 J 16	60	26	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter II-I-IV, "Duality"		n.d.
Textual	MG31 J 16	60	27	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter II-II-I, "Transportation Problems"		n.d.
Textual	MG31 J 16	60	28	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter II-III-I, "Examples"		n.d.
Textual	MG31 J 16	60	29	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter III, Untitled		n.d.
Textual	MG31 J 16	60	30	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter III-I-I, "Introduction to Queues and Probabilistic Systems"		n.d.
Textual	MG31 J 16	60	31	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter III-I-II, "Single Channel Poisson-Exponential Queues"		n.d.
Textual	MG31 J 16	60	32	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter III-I-III, "Multi-Channel Poisson-Exponential Queues"		n.d.
Textual	MG31 J 16	60	33	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter III-II-I, "General Analytic Treatments"		n.d.
Textual	MG31 J 16	60	34	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter III-III-II, "Monte Carlo Procedures"		n.d.
Textual	MG31 J 16	60	35	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter IV-I-I, "Inventories - Basics"		n.d.
Textual	MG31 J 16	60	36	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter IV, "Untitled"		n.d.
Textual	MG31 J 16	60	37	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter IV-B, "Inventory Under Constraint"		n.d.
Textual	MG31 J 16	60	38	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter IV-C, "Dynamic Programming and Inventory Policy"		n.d.
Textual	MG31 J 16	61	1	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter V, "Inventory Models"		n.d.
Textual	MG31 J 16	61	2	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter VIII, "Mathematical Programming"		n.d.

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Textual	MG31 J 16	61	3	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter ?, section 2, "Dynamic Linear Programming"		n.d.
Textual	MG31 J 16	61	4	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter VII, "Mathematical Programming"		n.d.
Textual	MG31 J 16	61	5	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter ?, section 6, "Inventories with Partial Information"		n.d.
Textual	MG31 J 16	61	6	J.W. Abrams, Linear Programming - Lecture notes and unpublished book manuscript, chapter untitled		n.d.
University of Toronto, History of Science and Technology - (a) Course bibliographies, outlines and examinations						
Textual	MG31 J 16	61	7	J.W. Abrams, bibliography in History and Philosophy of Science (on cards)		n.d.
Textual	MG31 J 16	61	8	J.W. Abrams, History of Philosophy of Science and Technology - Miscellaneous		n.d.
Textual	MG31 J 16	61	9	University of Toronto, Institute for the History and Philosophy of Science and Technology - Bibliographies for courses		n.d.
Textual	MG31 J 16	61	10	University of Toronto, Institute for the History of Philosophy of Science and Technology, History course 320 - Tentative schedule for second term		1969-1970
Textual	MG31 J 16	61	11	University of Toronto, Institute for the History of Philosophy of Science and Technology - Course outlines and examinations in courses 281F, 282S, 320 and 1011		1969-1981
Textual	MG31 J 16	61	12	University of Toronto, Department of History - Lists of books recommended for courses in History of Science (Course Nos. 320, 101Y)		n.d.
Textual	MG31 J 16	61	13	University of Toronto, Department of Mechanical Engineering - "Elementary Heat Engines ('59)" - Reading for unspecified course		[ca. 1959]
Textual	MG31 J 16	61	14	University of Toronto, Division of University Extension - Course outline for the History and Philosophy of Science course taught by J.W. Abrams		1964
University of Toronto, History of Science and Technology - (b) Student essays for specified and unspecified courses						
Textual	MG31 J 16	61	15	Celhoff, W.P., "Butterfield, Dijksterhuis and Bernal in the Light of the Whig Interpretation of History", student essay for History of Science course no. 1011		1972
Textual	MG31 J 16	61	16	Forbes, G., essay outline for course no. 1011		n.d.
Textual	MG31 J 16	61	17	Doig, V.R., "The Development of Electrical Devices and their Applications", student essay for unspecified course		n.d.
Textual	MG31 J 16	61	18	Doig, V.R.(?), "The Development of Navigation in the Fifteen Century", student essay for unspecified course		n.d.
Textual	MG31 J 16	61	19	Donadio, G.C., "The Paradigm that Failed: The Early History of Continental Drift", student essay for course 1011		1973
Textual	MG31 J 16	61	20	Fraser, W.E., "A Paper Concerning the APP of Two Biographers, John Tyndall and L. Pearce Williams, to Michael Faraday", student essay for unspecified course		1971
Textual	MG31 J 16	61	21	Madore, K., History of the Theory of Tides from Antiquity to the Late Middle Ages", student essay for course 1014		1971-1972
Textual	MG31 J 16	61	22	Mrmak, J., reading appreciation for unspecified course		1972
Textual	MG31 J 16	61	23	Pace, M., "The Cosmological Speculations of Nicole Oresme in his Livre du Ciel et du Monde", student essay for unspecified course		n.d.
Textual	MG31 J 16	61	24	Sadle, C.D., "Some Implications of Real Time Data Processing in a Business Environment", MA thesis draft		1965
Textual	MG31 J 16	61	25	Stuart, B., "Towards a History of the History of Science and Technology: The Beginnings of the Institute for the History and Philosophy of Science and Technology at the University of Toronto", student essay for course 3200		1978

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Textual	MG31 J 16	61	26	Tibbo, M.J., "The Welland Canal from Conception to Early Completion", student essay for unspecified course		1970
Textual	MG31 J 16	61	27	Wright, P.F., "Gilbert and Digby on Magnetic Attraction:(Two Doctrines of the Lodestone in Seventeenth Century England", student essay for unspecified course		1971
Textual	MG31 J 16	61	28	Wright, P.F., "William Gilbert on the Substance and Origin of the Lodestone", student essay for unspecified course		n.d.
University of Toronto, History of Science and Technology - (c) Summer course in History and Philosophy of Science and Technology, No. 501T, taught by J.W. Abrams						
Textual	MG31 J 16	61	29	J.W. Abrams, University of Victoria - Summer course in the History and Philosophy of Science 501T - Student essays		1974-1976
Textual	MG31 J 16	61	30	J.W. Abrams, University of Victoria - Summer course in the History and Philosophy of Science 501T - Correspondence		1974-1976
Textual	MG31 J 16	61	31	J.W. Abrams, University of Victoria - Summer course in the History and Philosophy of Science 501T - Lectures		1974-1976
University of Toronto, History of Science and Technology - (d) Papers by various authors on History and Philosophy of Science and Technology						
Textual	MG31 J 16	61	32	Anonymous, "28 Criteria as Indicators of Institutional Excellence in Higher Education"		n.d.
Textual	MG31 J 16	61	33	J.W. Abrams, rough notes for Convocation Address, probably at University of Toronto		n.d.
Textual	MG31 J 16	61	34	American Institute of Physics, Centre for History and Philosophy of Physics, "A Selection of Manuscript Collections at American Repositories"		1969
Textual	MG31 J 16	61	35	American Institute of Physics, Centre for History and Philosophy of Physics, "Documentary Source Materials at the Niels Bohr Library for the History and Philosophy of Physics"		1969
Textual	MG31 J 16	61	36	Boyer, C.B., "Early Principles in the Calibration of Thermometers"		1942
Textual	MG31 J 16	61	37	Boyer, C.B., "History of the Measurement of Heat II. The Conservation of Energy"		1943
Textual	MG31 J 16	61	38	Boyer, C.B., "Zero: The Symbol, The Concept, The Number"		1944
Textual	MG31 J 16	61	39	Boyer, C.B., "Fundamental Steps in the Development of Numeration"		1944
Textual	MG31 J 16	61	40	Boyer, C.B., "Quantitative Science Without Measurement: The Physics of Aristotle and Archimedes"		1945
Textual	MG31 J 16	61	41	Boyer, C.B., "History of the Derivative and Integral of the Sine"		1947
Textual	MG31 J 16	61	42	Boyer, C.B., and L.G. Simons, "Book Reviews"	Also includes J.W. Abrams book review of "One, Two, Three... Infinity" by G. Gamow.	[ca. 1948]
Textual	MG31 J 16	61	43	Brown, J.J., "Ideas in Exile" press release by McClelland and Steward		n.d.
Textual	MG31 J 16	61	44	Bunge, M., "What are Physical Theories About?"		1969
Textual	MG31 J 16	61	45	Calinger, R.S., "Frederick the Great and the Berlin Academy of Sciences (1740-1766)"		1968
Textual	MG31 J 16	61	46	Czechoslovak Academy of Sciences - Circular letter regarding exchange of scientific materials, map of Czechoslovakia's industrial regions		1974
Textual	MG31 J 16	61	47	De Solla Price, D.J. - "The Science of Science"		1964
Textual	MG31 J 16	61	48	De Solla Price, D.J. - "The Antikythera Mechanism: The Problem of the World's Oldest Mechanism Solved by Radiography"		1973
Textual	MG31 J 16	61	49	Daumas, M., "Documents Pour L'Histoire des Techniques"		n.d.
Textual	MG31 J 16	61	50	Fulton, J.F., "Humanism in an Age of Science", Ludwig Mond Lecture		1950
Textual	MG31 J 16	61	51	Healy, W., "The Club Constitution"		n.d.
Textual	MG31 J 16	61	52	Hesse, M., "Hermeticism and Historiography: An Apology for the Internal History of Sciences"		n.d.
Textual	MG31 J 16	61	53	History of Science Survey, questionnaire		1972-1913
Textual	MG31 J 16	61	54	Iwanowska, W., "Nicolaus Copernicus and Modern Science"		1973
Textual	MG31 J 16	61	55	Laurentian Institute, "Proposal for Study of Technological Innovation as a Means of Enabling and Directing Rural Developments"		1971

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Textual	MG31 J 16	61	56	Lee, L.T.A., Book review of "The Renaissance Engineers" by B. Gille and L. Humphreys		n.d.
Textual	MG31 J 16	61	57	Lincoln, E.S., "A Proposed All Electric Museum Covering a Chronological History of Electricity"		1972
Textual	MG31 J 16	61	58	Lindqvist, S., "Teknikhistoria"		1978
Textual	MG31 J 16	61	59	Nason, J.W., "Leibniz's Attack on the Cartesian Doctrine of Extension"		1946
Textual	MG31 J 16	62	1	Princeton University, "Survey of Graduate Students in History of Science"		1971
Textual	MG31 J 16	62	2	Richardson, W.G., "The Canadian Locomotive Company in the Nineteenth Century"		1973
Textual	MG31 J 16	62	3	Roderick, G.W. and M.D. Stephens, "Mining Education in England and Wales in the Second Half of the Nineteenth Century"		1972
Textual	MG31 J 16	62	4	Roderick, G.W. and Stephens, M.D., "The Development of Science and Technology in a Civic University: Liverpool 1881-1914"		1975
Textual	MG31 J 16	62	5	A Science Policy for Canada, Summary of Recommendations		n.d.
Textual	MG31 J 16	62	6	Selby, R.H., "Lectourneau Earthmoving Equipment in World War II"		1968
Textual	MG31 J 16	62	7	Stephens, M.D. and G.W. Roderick, "A Cornish Literary Institute, Part 1"		n.d.
Textual	MG31 J 16	62	8	Stephens, M.D. and G.W. Roderick, "American and English Attitudes to Scientific Education During the Nineteenth Century"		n.d.
Textual	MG31 J 16	62	9	Stephens, M.D. and G.W. Roderick, "British Artisan Scientific and Technical Education in the Early Nineteenth Century"		1972
Textual	MG31 J 16	62	10	Stephens, M.D. and G.W. Roderick, "Supplementary Education in a Nineteenth Century British Mining Area"		1972
Textual	MG31 J 16	62	11	Susskind, C., "American Contributions to Electronics: Coming of Age and Some More"		1976
Textual	MG31 J 16	62	12	Susskind, C., "Ferdinand Braun: Forgotten Fore Father"		1980
Textual	MG31 J 16	62	13	University of Wisconsin, School Pharmacy, "Administrative, Historical and Social Studies of Pharmacy"		n.d.
Textual	MG31 J 16	62	14	Wellcome Historical Medical Museum and Library, "British and Canadian Pharmacy 100 years ago"		n.d.
Textual	MG31 J 16	62	15	White, L. Jr., "Technology Assessment from the Stance of a Mediaeval Historian"		1974
University of Toronto, History of Science and Technology - (e) Conferences on History of Science and Technology and research projects						
Textual	MG31 J 16	62	16--18	Human Context for Science and Technology, Ontario Regional Group - Papers and correspondence		1980
Textual	MG31 J 16	62	19	Human Context for Science and Technology, Atlantic Region - Report		1980
Textual	MG31 J 16	62	20	Human Context for Science and Technology, Western Regional Subgroup - Correspondence and report		1980
University of Toronto, Administration and Policy - (a) Institute for the History and Philosophy of Science and Technology						
Textual	MG31 J 16	62	21	University of Toronto, Institute for the History and Philosophy of Science and Technology - Draft Constitution		n.d.
Textual	MG31 J 16	62	22	University of Toronto, Institute for the History and Philosophy of Science and Technology - Notes by J.W. Abrams preparatory to creation of Institute		n.d.
Textual	MG31 J 16	62	23	University of Toronto, Institute for the History and Philosophy of Science and Technology - Advisory Committee on the History and Philosophy of Science - Report to the President (2 reports)		1964-1965
Textual	MG31 J 16	62	24	University of Toronto, Institute for the History and Philosophy of Science and Technology - Survey of Departments in the Faculty of Arts and Science regarding attitudes towards the creation of the Institute		1965-1966
Textual	MG31 J 16	62	25	University of Toronto, Institute for the History and Philosophy of Science and Technology - Notes by J.W. Abrams on creation of Institute		1965

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Textual	MG31 J 16	62	26	University of Toronto, Institute for the History and Philosophy of Science and Technology - History of Science and Technology Committee - Meetings, minutes		1968
Textual	MG31 J 16	62	27	University of Toronto, Institute for the History and Philosophy of Science and Technology - "IHPST News", 11 February and 15 April issues		1974
University of Toronto, Administration and Policy - (b) Task Force on Canadian Studies at the University of Toronto						
Textual	MG31 J 16	62 63	28--32 1	Task Force on Canadian Studies at the University of Toronto - Briefs, reports, minutes and correspondence		1976-1977
Textual	MG31 J 16	63	2	Task Force on Canadian Studies at the University of Toronto - Reports		1977
University of Toronto, Administration and Policy - c) Faculty of Social Work						
Textual	MG31 J 16	63	3--5	University of Toronto, Faculty of Social Work - Faculty Council - Minutes, correspondence, part 1		1974-1977
University of Toronto, Administration and Policy - d) Various committees and communications						
Textual	MG31 J 16	63	6	University of Toronto, Division of University Extension - Report of the Subcommittee on Extension		n.d.
Textual	MG31 J 16	63	7	University of Toronto, Faculty of Applied Science and Engineering, "Report of the Task Group to Review the Lapp Report, Ring of Iron"		1971
Textual	MG31 J 16	63	8	University of Toronto, Tenure Committee of the Institute for the History and Philosophy of Science and Technology - Tenure hearing for Professor J. B. Sinclair - Correspondence, memoranda		1971-1972
Textual	MG31 J 16	63	9	University of Toronto, Tenure Committee of the Institute for the History and Philosophy of Science and Technology - Tenure hearings for Professors J. E. Dooley, M. G. Evans, R. E. Vosburgh - Memorandum, CVs		1969
Textual	MG31 J 16	63	10	University of Toronto, "A Response from the University of Toronto to the Report of the Commission on Graduate Studies in the Humanities and Social Sciences"		1979
Textual	MG31 J 16	63	11	University of Toronto - Various memoranda		1968-1973
Ontario Science Centre						
Textual	MG31 J 16	63	18	Ontario Science Centre - Design - Time and Clocks Exhibit		n.d.
Textual	MG31 J 16	63	19	Ontario Science Centre - Design - "The Life-Cycle of Ocean Basins", story-line prepared by J. Tuzo Wilson		n.d.
Textual	MG31 J 16	63	20	Ontario Science Centre - Design - "An Orientation Centre"		[ca. 1968]
Textual	MG31 J 16	63	21	Ontario Science Centre - Design - Darwinism and Man Unit, prepared by G. Wiley, D. Denny		1969
Textual	MG31 J 16	63	22	Ontario Science Centre - Design - Lathe Activity		1969
Textual	MG31 J 16	63	23	Ontario Science Centre - Design - Last page of story-line script on the Sun		[ca. 1969]
Ontario Department of Education: Various science curriculum committees						
Textual	MG31 J 16	63	24	"The Plow and Human Affairs", probably related to Ontario Department of Education, Science Curriculum Committee		n.d.
Textual	MG31 J 16	63	25	Ontario Department of Education, "Geography Courses for the Four- and Two-Year Programmes"		n.d.
Textual	MG31 J 16	63	26	Ontario Department of Education, "Courses of Study Grade 13 Chemistry"		1964
Textual	MG31 J 16	63	27	Ontario Department of Education, "Biology Senior Division Grade 13"		1965
Textual	MG31 J 16	63	28	Ontario Department of Education, "Geology and Optional Course for Grade 11 or Grade 12 of the Four-Year Programme"		1965
Textual	MG31 J 16	63	29	Ontario Department of Education, "Physics Senior Division Grade 13"		1965
Textual	MG31 J 16	63	30	Ontario Department of Education, Committee on General and Advanced Levels in Grade 13 General Science		1965-1966
Textual	MG31 J 16	63	31	Ontario Department of Education, "Report of the Grade 13 Implementation Committee on the Grade 13 Studies, 1964-1966"		1966

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Textual	MG31 J 16	63	32	Ontario Department of Education, "Chemistry ... Five Year Programme all Branches"		1966
Textual	MG31 J 16	63	33	Ontario Department of Education, "General and Advanced Levels of Instruction in Grade 13 Mathematics"		1966
Textual	MG31 J 16	63	34	Ontario Department of Education, History of Science and Technology Committee - Proposed topics of study		1968
Textual	MG31 J 16	63	35	Ontario Department of Education, History of Science and Technology Committee - Minutes, reports		1968
Ontario Government Committee on Government Productivity						
Textual	MG31 J 16	63	36	Ontario Department of Treasury and Economics, Computer Services Center, "Data Centre Services in the Ontario Government", also "Staff Recruitment and Training"		1971
Textual	MG31 J 16	63	37	Ontario Department of Treasury and Economics, Computer Services Centre, "Position Paper on User Involvement"		1971
Textual	MG31 J 16	63	38	Ontario Government Committee on Government Productivity, Automatic Data Processing Project - Third Advisory Committee Meeting - Minutes		1971
Textual	MG31 J 16	63	39	Ontario Government Committee on Government Productivity, Automatic Data Processing Project, "The Organization and Management of Systems and Programming Personnel in the Ontario Government"		1971
Textual	MG31 J 16	64	1	Ontario Government Committee on Government Productivity, ADP Task Force - Various reports		1971
Textual	MG31 J 16	64	2	Ontario Government Committee on Government Productivity, ADP Task Force, "The People Problem"		1971
Other Government-Related Bodies - (a) Canadian Academic/Cultural Centre in Rome						
Textual	MG31 J 16	64	3	University of Toronto, Humanities Research Council of Canada, "Report of the National Steering Committee for a Canadian School in Italy"		1976
Textual	MG31 J 16	64	4	Canadian Academic Centre in Italy - Various reports		1977-1980
Textual	MG31 J 16	64	5--6	Humanities Research Council, Canadian Cultural Centre in Rome - CVs of Candidates for Post of Director		1978
Textual	MG31 J 16	64	7	Salmon, E.T., "Cultural Excursions: From Consular Roads to Autostrade" (probably related to Canadian Academic Centre in Rome)		n.d.
Textual	MG31 J 16	64	8	Opening of Canadian Academic Centre in Rome - Professor E.T. Salmon's inaugural paper, correspondence		1979
Other Government-Related Bodies - (b) Various studies of university-trained manpower and employment prospects						
Textual	MG31 J 16	64	9	Department of Manpower and Immigration, "The Market Situation for University Graduates Canada", by J. Kushner, I. Masse, R. Blauer, L. Soroka		1971
Textual	MG31 J 16	64	10	Economic Council of Canada, "A Tentative Personal Assessment of the Ph.D. Dilemma in Canada" by M. Von Zur-Muehlen		1971
Textual	MG31 J 16	64	11	Economic Council of Canada, "The Ph.D. Dilemma in Canada: A Case Study in the Supply and Demand of Highly Qualified Manpower", by M. Von Zur-Muehlen		1971
Textual	MG31 J 16	64	12	Humanities Research Council, Committee on Highly Qualified Manpower, "Report" by M. Despland		1971
Textual	MG31 J 16	64	13	Ministry of State for Science and Technology, "A Survey of North American Graduate Students in History of Science", by R. French and M. Gross		1971
Textual	MG31 J 16	64	14	Statistics Canada, Institutional and Public Finance Statistics Branch, "The Ph.D. Dilemma in Canada Revisited" by M. Von Zur-Muehlen		1976
Textual	MG31 J 16	64	15	Statistics Canada, Institutional and Public Finance Statistics Branch "The Doctoral Fellowship Program of the Canada Council in Review"		1976
Other Government-Related Bodies - (c) Social Sciences and Humanities Research Council						
Textual	MG31 J 16	64	16	J.W. Abrams - Miscellaneous notes (probably related to Social Sciences and Humanities Research Council work)		n.d.

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Textual	MG31 J 16	64	17	Social Sciences and Humanities Research Council - J.W. Abrams' notes on Council problems		1979
Textual	MG31 J 16	64	18	Guédon, J.C. and W.H. Vanderburg, "The Problems Created by Science and Technology: A Target for Strategic Funding" - Report, correspondence		1980
Material Related to Academic Work series						
(a) J.W. Abrams' Grant Applications to the Canada Council, National Research Council						
Textual	MG31 J 16	48	1	J. W. Abrams - Applications for Grants to Canada Council, National Research Council		1974-1979
(b) Assessments, appraisals and recommendations by J.W. Abrams of Candidates for Office, Grant Applications and manuscript submissions						
Textual	MG31 J 16	48	2	Curriculum Vitae of L. Mezei		[ca. 1966]
Textual	MG31 J 16	48	3	University of Toronto - Teaching - Professor D. J. Clough - Confidential memorandum re: Research in Engineering Systems		1966
Textual	MG31 J 16	48	4	Siddiqui, Fariduddin - Recommendation		1971
Textual	MG31 J 16	48	5	Appraisal of M.P. Winsor for Tenure		1974
Textual	MG31 J 16	48	6	Appraisal of H. Brown's manuscript, "Science and the Human Comedy"		1974
Textual	MG31 J 16	48	7	Appraisal of G. Emmerson's manuscript, "Biography of J.S. Russell"		1974
Textual	MG31 J 16	48	8	Assessment of W.R. Shea's grant application to the Canada Council		1975
Textual	MG31 J 16	48	9	Canada Council Application assessments		1976
Textual	MG31 J 16	48	10	J.E. McPeck, Canada Council Award Application		1976
Textual	MG31 J 16	48	11	Marshall McLuhan, Social Sciences and Humanities Research Council of Canada - Grant application		1979
Textual	MG31 J 16	48	12	I.B. Turksen, Natural Sciences and Engineering Research Council of Canada - Award application		1981
(c) Linear Programming student examinations						
Textual	MG31 J 16	48	13	Badowski, Henry		n.d.
Textual	MG31 J 16	48	14	Crowhurst, Bob		n.d.
Textual	MG31 J 16	48	15	Garces, J.A.		n.d.
Textual	MG31 J 16	48	16	Gibson, R.		n.d.
Textual	MG31 J 16	48	17	Homman, M.		n.d.
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Textual	MG31 J 16	48	20	Sandison, D.		n.d.
Textual	MG31 J 16	48	21	Shepherd, C.H.		n.d.
Textual	MG31 J 16	48	22	Shroff, D.K.		n.d.
Textual	MG31 J 16	48	23	Thomas, N.		n.d.
(d) Correspondence with students and candidates for academic degrees						
Textual	MG31 J 16	48	24	Students - T. Adams		n.d.
Textual	MG31 J 16	48	25-26	Hobson, F.E. - Ph.D. candidate - Correspondence		1965-1974
Textual	MG31 J 16	48	27	Students - N.W. Johnson		n.d.
Textual	MG31 J 16	48	28	Students - P.R. Katey		n.d.
Textual	MG31 J 16	48	29	Students - G. Shaw		n.d.
Textual	MG31 J 16	48	30	Students - G. Skelton		n.d.
Textual	MG31 J 16	48	31	Students - A. Taylor		n.d.
Textual	MG31 J 16	48	32	Students - A. Turgeon		n.d.
Textual	MG31 J 16	48	33	Students - S. Yagar		n.d.
Textual	MG31 J 16	48	34	Students - Recommendations		n.d.
e) Other						
Textual	MG31 J 16	48	35	Hannah Institute for the History of Medicine - Freeman Report		1979
Textual	MG31 J 16	48	36	Bill Jewkes - Correspondence concerning his inventions, suggestions to improve efficiency in Naval Dockyards		1968-1970
Textual	MG31 J 16	48	37	D. Steedman - Healy Report on Graduate Studies in the Humanities and Social Sciences		1978
Canadian Operational Research Society - Educational background questionnaires						
Textual	MG31 J 16	65	1	Canadian Operational Research Society - Design and analysis of Educational Background Questionnaire		[ca. 1965-1970]

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Textual	MG31 J 16	65	2	Canadian Operational Research Society - Education Questionnaire		1966, 1969
Textual	MG31 J 16	65	3	Canadian Operational Research Society - Completed Questionnaires, "A"		[ca. 1965-1970]
Textual	MG31 J 16	65	4	Canadian Operational Research Society - Completed Questionnaires, "B"		[ca. 1965-1970]
Textual	MG31 J 16	65	5	Canadian Operational Research Society - Completed Questionnaires, "C"		[ca. 1965-1970]
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Textual	MG31 J 16	66	6	Canadian Operational Research Society - Completed Questionnaires, "W-X"		[ca. 1965-1970]
Textual	MG31 J 16	66	7	Canadian Operational Research Society - Completed Questionnaires, "Y-Z"		[ca. 1965-1970]
Textual		66	13	Miscellaneous University Course Material	File contains course notes and outlines for various courses taught in 1974.	1974
University of Toronto - Student examinations and marks						
Textual	MG31 J 16	66	8	University of Toronto, Department of Industrial Engineering, Diploma course in Operational Research - Student marks		1964
Textual	MG31 J 16	66	9	J.W. Abrams, University of Toronto, Division of University Extension - Student examinations in course: "Operational Research and Management Science"		1972
Textual	MG31 J 16	66	10	J.W. Abrams, University of Toronto - Teaching - Operational Research - Student examinations in unspecified course		1972

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Textual	MG31 J 16	66	11	University of Toronto, Faculty of Applied Science and Engineering - Examiners' return form, student marks for course IND 200F		1973-1974
Textual	MG31 J 16	66	12	University of Toronto, Department of Industrial Engineering - Class list with marks for an unidentified course		1978-1979
Additional Material series						
a) Personal						
Textual	R4188	67	1	Abrams, J.W. - Bibliography - Partial		n.d.
Textual	R4188	67	2	Abrams, J.W. - Biographical sketches and Curriculum Vitae		n.d., 1963-1975
Textual	R4188	67	3	Abrams, J.W. - Certificates and forms		1933-1981
Textual	R4188	67	4	Abrams, J.W. - Correspondence		1937-1968
Textual	R4188	67	5	Abrams, J.W. - Correspondence		1970-1981
Textual	R4188	67	6	Abrams, J.W. - Correspondence - General, photocopies		1963-1981
Textual	R4188	67	7	Abrams, J.W. - Death - Letters of condolence		1981-1982
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Textual	R4188	67	9	Abrams, J.W. - Invitations		1957-1974
Textual	R4188	67	10	Abrams, J.W. - Military Career - Documents		1941-1962
Textual	R4188	67	11	Abrams, J.W. - Press clippings		1957-1964
Textual	R4188	67	12	Abrams, J.W. - "Prophecy? By Jay Allston" - Short story		1946
Textual	R4188	67	13	Abrams, J.W. - Royal Canadian Air Force - Observer's and Air Gunner's Flying Logbook		February-September 1941
Textual	R4188	67	14	Abrams, J.W. - Stamp Collecting - Correspondence		1959-1960
Textual	R4188	67	15	Abrams, J.W. - "The Americanization of Edward Bok" - Book review		April 1925
Textual	R4188	67	16	Abrams, J.W. - University of California, Berkeley - Studies		1930-1940
Textual	R4188	67	17	Abrams, Marjorie - Marriage and emigration to Canada		1944-1946
Textual	R4188	67	18	Abrams, Marjorie - Correspondence		1981-1988
Textual	R4188	67	19	Abrams, Marjorie - University of Toronto Library - Book donation		1981, 1993-1994
b) Articles and lectures						
Textual	R4188	67	20	Abrams, J.W. - "The Relations of Chemistry to National Defence" - Paper and revision		n.d.
Textual	R4188	67	21	Abrams, J.W. - "The Luminosity Functions of the Brighter Stars" - Ph.D. Dissertation		1939
Textual	R4188	67	22	Abrams, J.W. - "The Wesleyan Course in Physical Science" - Chapter offprint		n.d.
Textual	R4188	67	23	Abrams, J.W. - "The Spectral Distribution of Binary Stars" - Offprint		1947
Textual	R4188	67	24	Abrams, J.W. - Commentary on "The Researcher and the Manager: A Dialectic of Implementation" - <u>Management Science</u>		1965
Textual	R4188	67	25	Clough, D.J. et al. - "A Practical Approach to Automatic Production" - Paper		1965
Textual	R4188	67	26	Abrams, J.W. - "Science, Technologies and the Environment" - Article (2)		1968
Textual	R4188	67	27	McLuhan, Marshall and J.W. Abrams - "Technology and Media" - Paper		1968
Textual	R4188	67	28	[Abrams, J.W.] - "Claudios Ptolemaies" - Lecture		n.d.
Textual	R4188	67	29	[Abrams, J.W.] - "Conscious Stricken Man in an Unconscionable Society" - Lecture		n.d.
Textual	R4188	67	30	[Abrams, J.W.] - "Steam Engines and the Industrial Revolution" - Lecture		1974-1975
Textual	R4188	67	31	[Abrams, J.W.] - "Diesel and Habakkuk Makeup" - Lecture		n.d.
Textual	R4188	67	32	[Abrams, J.W.] - Technology - Definitions, lecture notes		n.d.
Textual	R4188	67	33	[Abrams, J.W.] - Science - "Introductory Lecture"		n.d.
Textual	R4188	67	34	[Abrams, J.W.] - Computer Revolution - Lecture		n.d.
Textual	R4188	67	35	[Abrams, J.W.] - "Clocks and Time" - Lectures, drafts		n.d.
Textual	R4188	67	36	[Abrams, J.W.] - The Story of Mechanical Technology - Lecture		n.d.
Textual	R4188	67	37	[Abrams, J.W.] - "Machine Technology" - Lecture		n.d.
Textual	R4188	67	38	[Abrams, J.W.] - "Operational Research - Military and Industrial" - Lecture		n.d.

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Textual	R4188	67	39	Abrams, J.W. - "Progress Report on Investigation of Operational Research in Canada" - Report		n.d.
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Textual	R4188	67	41	[Abrams, J.W.] - O.R. Practitioner - Typescript		n.d.
Textual	R4188	67	42	Abrams, J.W. - "Operational Research" - Typescript		n.d.
Textual	R4188	67	43	Abrams, J.W. - "Operational Research" Canadian Operational Research Journal - Offprint		November 1969
Textual	R4188	67	44	Abrams, J.W. - Book reviews (4)		1966-1978
Textual	R4188	67	45	Abrams, J.W. - "Herbert Marshall McLuhan (1911-1980)" - Obituary		January 1981
Textual	R4188	68	1	[Abrams, J.W.] "Alienation in All Its Aspects" - Trinity College, Lecture		November 1971
Textual	R4188	68	2	[Abrams, J.W.] "The Liberal Arts Student after the University" - Lecture		n.d.
Textual	R4188	68	3	[Abrams, J.W.] "History - Science, Technology and Humanity" - Draft Text, Field Test Version		n.d.
Textual	R4188	68	4	[Abrams, J.W.] "Tradition and Revolution" - Lecture		n.d.
Textual	R4188	68	5	Abrams, J.W. "Restricted Transfers" - Pt. 19, pp. 30-41		n.d.
Textual	R4188	68	6	[Abrams, J.W.] Communications - Lectures		n.d.
Textual	R4188	68	7	[Abrams, J.W.] Cybernetics - Lecture		n.d.
Textual	R4188	68	8	[Abrams, J.W.] History of Technology - Lectures		n.d.
Textual	R4188	68	9	[Abrams, J.W.] History of Technology - Lecture Series		n.d.
Textual	R4188	68	10	[Abrams, J.W.] Industrial Engineering - Lectures		n.d.
Textual	R4188	68	11	[Abrams, J.W.] Linear Programming - II-III-I		n.d.
Textual	R4188	68	12	[Abrams, J.W.] Operational Research - Lectures		n.d.
Textual	R4188	68	13	[Abrams, J.W.] Philosophy of Science and Technology - Lectures		n.d.
c) Teaching						
Textual	R4188	68	14	[Abrams, J.W.] [Wesleyan University] - Humanities I, Assignments		1946-1947
Textual	R4188	68	15	Abrams, J.W. et al. "The Proposed Courses in General Science" - Proposal, Draft 1, 2 and 3		1965
Textual	R4188	68	16	[Abrams, J.W.] Physical Science - Series 1-2, Lectures		n.d.
Textual	R4188	68	17	[Abrams, J.W.] Physical Science - Series II, Lectures		n.d.
Textual	R4188	68	18	[Abrams, J.W.] Physical Science - Series 2, Lectures		n.d.
Textual	R4188	68	19	[Abrams, J.W.] Physical Science Course - Lectures		n.d.
Textual	R4188	68	20	[Abrams, J.W.] History of Science - Sessions 5-10		July 1976
Textual	R4188	68	21	Abrams, J.W. - Great Books of Science I and II - Description		[1981]
Textual	R4188	68	22	University of Toronto - Academic Appointments - Forms		1964-1981
Textual	R4188	68	23	University of Toronto, Department of Industrial Engineering - Courses and exams		1964-1981
Textual	R4188	68	24	University of Toronto - General		1968, 1981
Textual	R4188	68	25	University of Toronto - Institute for the History and Philosophy of Science and Technology - Creation and courses		1963-1981
Textual	R4188	68	26	University of Toronto - John W. Abrams Memorial Lectures - Announcements		1982-1985
d) Reference						
Textual	R4188	69	1	Assistant Chief of Naval Staff (Warfare) - Meeting - Presentation Album		November 1952
Textual	R4188	69	2	Aircraft: Canada's Aero Trades Magazine - Canada's Air Defences		October 1955
Textual	R4188	69	3	International Cooperation in History of Technology Committee (ICOHTEC) - Correspondence and reports		1973-1980
Textual	R4188	69	4	McCloskey, Joseph F. - Operational Research - Paper and offprints		1983-1987
Textual	R4188	69	5	[McLuhan, Marshall] "The Hemispheres and the Media" - Paper		1977
Textual	R4188	69	6	Parker, David B. "Our Greatest Secret Weapon: It's Called Operational Research..." - Article, typed transcript		[1951]
Textual	R4188	69	7	Progressive Conservative Association of Canada - National Conference on Canadian Goals, Fredericton - Program		September 1964

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Textual	R4188	69	8	Progressive Conservative Association of Canada - National Conference on Canadian Goals, Fredericton - [J.W. Abrams] "The Potential of Technology", talk		September 1964
Textual	R4188	69	9	Progressive Conservative Association of Canada - National Conference on Canadian Goals, Fredericton - Marshall McLuhan "The Public and Private Sectors in the Electric Age", talk		September 1964
Textual	R4188	69	10	Publications - Education - Photocopies of title pages		n.d.
Textual	R4188	69	11	Publications - History of Ideas - Photocopies of title pages		n.d.
Textual	R4188	69	12	Publications - History of Science and Technology - Photocopies of title pages		n.d.
Textual	R4188	69	13	Royal Canadian Air Force, No. 2 Manning Depot, Brandon, Manitoba - <i>Airman's Pos</i> (2)		January-March 1941
Textual	R4188	69	14	Royal Canadian Air Force, Staff College - <i>Journal</i>		1956
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Photographs series						
Photo	R4188	70	1	Abrams, J.W. - Portraits		n.d.
Photo	R4188	70	2	Abrams, J.W. - Snapshots		n.d.
Photo	R4188	70	3	Abrams, J.W. - Military Career - Portraits		n.d.
Photo	R4188	70	4	Abrams, J.W. - Military Career - Group photos		n.d., 1941-1942
Photo	R4188	70	5	Abrams, J.W. - European Tour - Photo album		1936-1937
Photo	R4188	70	6	Ohio State University - Group photo of astronomers		[ca. 1944]
Photo	R4188	70	7	Canadian Academic Centre in Italy - Meeting and Banquet		1979
Photo	R4188	71	1	Abrams, J.W. - Colour photographs - Snapshot, Military Group photo, and image from meeting at Canadian Academic Centre in Italy		n.d., 1979