

**University of Toronto Archives and  
Records Management Services**



**Harold Scott Macdonald Coxeter Fonds**

**Prepared by: Marnee Gamble, March 2005  
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# University of Toronto Archives

## Harold Scott Macdonald Coxeter Fonds

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## Harold Scott Macdonald Coxeter Fonds

### Biographical Sketch

Harold Scott MacDonald Coxeter, known as Donald, was born on February 9 1907 in Kensington England to parents Harold Coxeter and Lucy Gee. At an early age, he demonstrated a high level of ability in both music and math. His father, realizing his son's gifts, sought out the advice of the famous philosopher Bertrand Russell who introduced young Donald to mathematician E.H. Neville. At the advice of Neville, Coxeter left boarding school at the age of 15 and was tutored only in Math and German. He entered Cambridge in 1926 on scholarship and received his B.A. in 1929. He continued to study for his doctorate under Britain's leading figure in geometry H.F. Baker and was awarded a Ph.D. in 1931. As a Fellow, he continued his research at Cambridge and for two years was a research visitor at Princeton working under Oswald Veblen. In 1936, Coxeter married Rien Brouwer of Holland and they set off together to Toronto where Coxeter accepted an appointment to the mathematical department at the University of Toronto. Toronto is where their life settled. They had two children Susan and Edgar.

Coxeter was considered a leading mathematician and the greatest geometer of the 20<sup>th</sup> century. His contributions of fundamental importance have been in the Theory of Polytopes, Non-Euclidean Geometry, Discrete Group and Combinational Theory. Specifically, he is best known among mathematicians for discovering how shapes will behave in higher dimensions – now known as Coxeter groups and Coxeter diagrams. His influence has reached beyond the mathematics world. Coxeter's work in non-euclidean geometry inspired the "Circle Limits I-IV" by the famous Dutch artist M.C. Escher with whom he shared a life-long friendship. Another strand of his thinking influenced theoretical physics in the area of relativistic quantum field theory. Coxeter numbers and diagrams are used in the study of elementary particle physics. Nobel winning chemists who discovered the Carbon 60 molecule were influenced by Coxeter's work on icosahedral symmetries.

Over his expansive career, Coxeter published 12 books – at least four of them classics including Introduction to Geometry which first appeared in 1961 and has since seen many editions and has been translated into six languages. He also published over 200 articles and at various times acted as reviewer and referee. He was editor of the Canadian Journal of Mathematics for nearly a decade from 1948 to 1957. He served as president of the Canadian Mathematical Congress (1962-63), Vice-President of the American Mathematical Society, (1968) and president of the International Congress of Mathematicians, (1974). Coxeter was awarded numerous honorary degrees, was a fellow of the Royal Society of London (1950) and of the Royal Society of Canada (1947). In 1997 he was made a Companion of the Order of Canada.

While Coxeter officially retired from the Department of Mathematics in 1980, as Professor Emeritus he continued his engagement with the mathematical world right up to his death. In July 2002 he gave an invited lecture at a conference in Budapest Hungary. H.S.M., "Donald", Coxeter died in Toronto at the age of 96 on March 31 2003. He is survived by his two children Susan (Coxeter) Thomas and Edgar Coxeter and several grandchildren. A biography, entitled, The King of Infinite Space, Donald Coxeter and the Magical Omnipotence of Geometry is due to be published by Anansi in September 2006.

## Harold Scott Macdonald Coxeter Fonds

### Scope and Content

Records [ textual ; graphic ; artifacts] 1891 – 2003 (predominant 1930-2003) 4.49 m

This fonds contains several series of records that document both Coxeter's professional and personal life. Much of the professional correspondence in Series 2, as well as awards, tributes and obituaries found in Series 1 document his role as a mathematical mentor who influenced and inspired professional and amateur mathematicians alike. The bulk of the correspondence however mainly post dates his official retirement in 1980 and is therefore incomplete in documenting his extensive relationships with many mathematicians around the world throughout his lengthy career. .

Four decades of correspondence, (1930s -1980), is not the only gap in the Coxeter fonds. Also missing is the voluminous amount of manuscripts for his articles and books along with research notes and drafts that would accompany such records. Nevertheless, what does exist of the professional correspondence, along with lectures in Series 5, course teaching notes in Series 7 and the few manuscripts and many geometrical drawings in Series 6, give researchers a window into his mathematical genius. There are also a full run of diaries, Series 4, that briefly record Coxeter's day to day activities and thoughts.

Personal correspondence in Series 3, early family photographs in Series 9, early creative works in Series 10, diaries in Series 4 and Ph.D. records in Series 8 shed light onto various aspects of Coxeter's life before arriving at the University of Toronto in 1936. These documents give researchers glimpses of his early childhood and upbringing, his early mastering of music, as well as, his research at Cambridge. His role as a father and husband as well as the relationships within the extended Coxeter family are best documented in a substantial part of the personal correspondence found in Series 3 as well in the daily diaries in Series 4.

The Coxeter fonds also includes some original items from other important mathematicians. There is a scrapbook of geometric drawings that belonged to fellow mathematician Alicia Boole Stott. This item dated 1899 makes up the entire Series 11. Also Coxeter acquired some of the papers belonging to 19<sup>th</sup> century British mathematician W.W. Rouse Ball presumably when he was producing further editions of one of Ball's publications. This has been placed in Series 12.

**Access:** Open

**Accession:** B1986-0008, B2004-0024, B2006-0023

**Related Accessions:** B1986-0088 - Coxeter, Harold Scott MacDonald (oral history)



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### Harold Scott Macdonald Coxeter Fonds

#### Series 2 (cont'd) Professional Correspondence

Some of the mathematical colleagues for which there are files include William Moser, his first Ph.D. student, John Synge, Istavan Hargittai, Paolo Dominici, Bezdek Karoly and Asia Weiss, his last PhD student and professor at York University.

Files are arranged alphabetically with the few miscellaneous and chronological files placed at the end of each accession.

See Appendix 1 for file listing.

#### Series 3 Personal Correspondence

1921 – 1999                      0.16 m                      textual

Personal correspondence among Coxeter family members along with their relatives document relationships formative in Coxeter's life. There is extensive correspondence between Donald and Rien beginning with the courtship in the early 1930s and continuing sporadically whenever they spent time apart into the 1960s. There is also correspondence with the Coxeter children, Susan Coxeter Thomas and Edgar Coxeter, as well as with their grandchildren, at different stages of their lives.

Early correspondence between Donald and his parents and step-mother give insight not only into his family relationships but also into his early education at Cambridge and Princeton as well as his early years at the University of Toronto. These begin around 1930 and continue until his mother's death in 1949.

Finally there is a set of Brouwer family correspondence consisting of letters to Rien from her family in Holland, parents and sisters Jeanne and Johanna as well as from her brother Piet and his family in South Africa. Most of these letters are in Dutch. Since Donald and Rien immigrated to Canada soon after their wedding in 1936 there is quite a lot of correspondence from the late 1930s and through the 1940s when Holland was occupied by Nazi Germany.

Correspondence is grouped together by correspondent and then arranged more or less chronologically.

B2004-0024/011, B20002-0023 (14)-(24) - Coxeter family (mainly Donald, Rien and children)

B2006-0023/002 (01)-(12) – Early correspondence with parents

B2004-0024/012 – Brouwer Family correspondence.



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### Harold Scott Macdonald Coxeter Fonds

#### Series 6 Publishing

196- 1996      0.57 m      textual

This series contains mainly galleys of pasted text for what is presumed to be Kaleidoscopes: selected writings of H.S.M. Coxeter. It also includes approximately 150-200 geometrical drawings, some original, others printed, but presumably most drawn by Coxeter for his many publications. Finally one file contains a typescript entitled “Summary of the first six chapters of Coxeter’s Projective Geometry, 1964”.

Series also contains copies of Professor Coxeter's publications on mathematical problems that have been translated into other languages.

This series does not contain any manuscripts to any of the 12 books Coxeter wrote. Series 2, Professional Correspondence, contains some correspondence with publishers regarding some of his books.

B1986-0008/005 - /007

B2004-0024/015 (12)-(22) and B2004-0024/019

#### Series 7 Teaching and Research Notes

1947-1976      0.2 m      textual

This series consists of notebooks and some loose notes most likely used for course lectures and research starting in 1947 to 1976. Some of the subjects include: Differential Geometry, Advanced Calculus, Generator and Relations, Non-Euclidean Geometry and Discrete Groups. Some remain unidentified and have been placed at the end of the series.

Also included are notes on visiting lectures to other universities including Dartmouth College, St. Andrews, University of Warwick and Utrecht. Of particular interest is a notebook for his visiting lectureship for the Mathematical Association of America (March – May 1958) which Coxeter identified as the basis for his classic book Introduction to Geometry.

Arrangement is chronological.

B2004-0024/016 and /017 (01) – (06)



**Harold Scott Macdonald Coxeter Fonds**

**Series 8**

**Doctoral Research and Thesis**

1924 – 1931    0.6 m            textual ; publications

This series documents Coxeter's earliest writings and research while a student at Cambridge. It consists of research notes, a draft paper on Schlafli functions and the manuscript to his "old" thesis entitled Petri Polygons: a New Approach to the Study of Regular Polytopes and Skew Polyhedra. There also is a 1930 offprint from the Philosophical Transactions of the Royal Society of London and a manuscript of Part II of his post-doctoral thesis. Finally, although it predates his attendance at Cambridge in 1926, a 1924 mathematical notebook has been included in this series.

B2004-0024/017 (07) – (12)

**Series 9**

**Graphic**

1909-1997    0.52 m            graphic

Photographs and photo albums document Coxeter's life from his early years as a child in England through his professional career and life in Canada into the 1990s. Included are several portraits of Coxeter including one painted by his mother when he was as a young child. There is a photo album and several loose photos showing his early family life. There are numerous photos of him and his wife Rien from the early days when they met to their Golden Anniversary in 1996. There are also some of his children Edgar and Susan.

Photographs of Coxeter at lectures, award ceremonies, and professional meetings, as well as shots taken with students and colleagues document his professional life especially his numerous recognitions and honours. There are photos of Coxeter with other mathematicians including Patrick Du Val, Oswald Veblen and John Synge. Of particular note is a rare early image of colleague and mathematician of G.H. Hardy. This item has been removed from the Hardy correspondence file, /005 (26).

B2004-0024/001P - /003P

B2006-0026/001P - /002P

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### Harold Scott Macdonald Coxeter Fonds

#### Series 10                      Early Creative Works

1917 – 1926    0.05 m            textual

This series contains mostly music written by Coxeter as a boy and young adult. Many compositions were dedicated to members of his family. There is also a handwritten programme for a concert entitled *The Professer* (sic) written by a young D. Coxeter. Finally this series includes a notebook containing a dictionary and stories of a language Coxeter created has a child, *The Amellaibian Language*, which contains early math notations as well.

B2004-0024/001 (25) – (39) – music scores

B2006-0023/001 (07) – *The Professer*

B2006-0023/003 - *The Amellaibian Language*

#### Series 11                      Stott Scrapbook

1899            0.44 m            textual

This series contains a scrapbook of geometric drawings that belonged to Alicia Boole Stott (1860-1840) who originally termed the word “polytope” to describe a four dimensional convex solid. Stott was the third daughter of mathematician George Boole and a colleague of Coxeter. The two met in 1930 and worked on various problems together early in Coxeter’s career. Stott died in 1940.

For correspondence between Coxeter and Stott see Series 1 - box /009 (29b).

B2004-0024/021

#### Series 12                      W.W. Rouse Ball

189-? – 1923            0.07            textual

These items, originally belonging the 19<sup>th</sup> century Trinity College mathematician Walter William Rouse Ball (1850-1925) who was best know for his contributions to the history of mathematics. These items were probably acquired by Coxeter as a result of his having edited editions 11 through 14 of Rouse Ball’s Mathematical Recreations and Essays.

This small series includes: an original note book entitled Volume 1 The Four Digits Problem; one letter to Ball dated 1923 with some diagrams; original illustrations and mock-ups for a book – possibly Ball’s A Short Account of the History of Mathematics; several off-prints of Ball’s papers; and one typescript of a paper belonging to Ball written by W.S. Andrews and F.A. Woodruff entitled Multiple Magics.

B2004-0024/022

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**Series 13**

**Gulf of Maine case**

1983            0.34            textual

Consists of copies of Canadian and American counter-memorials and annexes to the International Court of Justice's "Delimitation of the Maritime Boundary in the Gulf of Maine Area, with covering correspondence (Coxeter was an adviser to the Canadian government).

B1986-0008/001 - /003

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#### Appendix 1: Series 2 - Professional Correspondence

Box	File	Description	Dates	
B2004-024/002	(01)	Abrahamson, Brian	1998-2000	
	(02)	Abrahamson, Nils – Royal Institute of Technology	1997-1998	
	(03)	Aczél, János	1984-1992	
	(04)	Adams, Ray	1992	
	(05)	Aitken, A.C. – University of Edinburgh	1952-1968	
	(06)	Albu, Mihaela	1997	
	(07)	Albers, O. – Mathematics Association of America	1993-1994	
	(08)	Al-Dhahiv, M.W.	1989-1999	
	(09)	Alexanderson, G.L. – Mathematics Magazine	1989-1992	
	(10)	Alexandrov, A.	1968-1992	
	(11)	Alperin, Roger – Department of Mathematics – San Jose State University	1992	
	(12)	American Academy of Arts & Science	1990-1992	
	(13)	American Mathematics Society – September	1996-2000	
	(14)	Anderson, D.V.	1976-1989	
	(15)	Annals of Science	1988	
	(16)	ApSimon, H.G.	1987-1990	
	(17)	Archembault, Jaques – Structural Topology	1984-1986	
	(18)	Andreas, John M.	1937-1997	
	(19)	Archibald, R.C. – Brown University	1953	
	(20)	Ariessohn, Arthur	1987	
	(21)	Arkin, Joseph	1988-1991	
	(22)	Arthur, Jim	1982-1986	
	(23)	Arnold, V. – Centre de Recherche de Mathématiques	1985-1989	
B2006-023/002	(24)	Artin, G.	1957-1958	
	(25)	Atiyah, Michael	1959-1996	
	(26)	Atwood, Margaret	2000	
	(27)	Bachmann, Friedrich	1982?-1984	
	(28)	Bakker, M.	1993	
	(26)	Baker, H.F.	1936	
	B2004-024/002	(29)	Balaban, A.T.	1974
		(30)	Ball	1988
		(31)	Bancoff, Thomas F.	1992-1993
		(32)	Dr. Blachman	1990
(33)		Barbeau, Ed	1993-1995	
(34)		Barlotti, Adriano	1990-1992	
(35)		Bartle, R.G.	1989	
(36)		Barth, W.	1999	
(37)		Batten, Lynn	1996-1999	
(38)		<u>Beauty of Geometry</u>	2000-2001	

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<b>Box</b>	<b>File</b>	<b>Description</b>	<b>Dates</b>
B2004-0024/002	(39)	Benz, W.	1985-1988
	(40)	Bergman, George	1999
	(41)	Bezdek, Karoly	2003?
	(42)	Bilinski, Stanko	1984-1987
	(43)	Birgeneau	2000
	(44)	Birkhoff, Garrett	1989-1995
	(45)	Biscondi, Philippe	1995
	(46)	Bisztriczky, T.	1988-1992
B2004-0024/003	(01)	Bland, Nami	1997
	(02)	Bloknuis, Aart	1984
	(03)	Bloom, Tom	1986
	(04)	Blum, Richard	1983
	(05)	Bohm, Johannes	1996-1999
	(06)	Bohr, Harold	1948
	(07)	Bomford, A.G.	1986-2000
	(08)	Böröcsky, Köroly	1985
	(09)	Bostrom, Magmo	2000
	(10)	Bottema, Dene	1980-1992
	(11)	Bradlye, D.L.	1997-2000
	(12)	Bracho, Javier	1994-1997
	(13)	Brieskorn, E.	1990
	(14)	Barbara, Bower?	2000
	(15)	Adam Brown	1999
	(16)	Bruen, Aiden	1989-1997
	(17)	Burckhardt, Helen	1987-2002
	(18)	Bushnell, Collins	1998
	(19)	Butler, Jeffery	1987-1989
	(20)	'B - C'	1987-2000
	(21a)	Cambridge (Happy Memories)	2000
	(21b)	Cartan, Henri	1971
	(22)	Chandrasekhar, S.	1983-1994
	(23)	Chernoff, W.W.	1994
	(24)	Chilton, Bruce	1986-1991
	(25)	Chouikha, Raouf	1998-1999
	(26)	Clark, Joel	1997-1998
	(27)	Coleman, Albut John	1990-1999
(28)	Collins, Stanley	1996	
B2006-0023/002	(27)	Conway, J.H.	1957
B2004-0024/003	(29)	Conway, John	1981-1997
	(30)	Cotter, Graham	1987-1999
	(31)	Coxeter, H.M.S.	1994-2001
	(32)	van de Craats, Jan	1996-2001

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Box	File	Description	Dates	
B2004-0024/003	(33)	Crennell, Kate	1998-1999	
	(34)	Cromwell, Peter	1994	
	(35)	Crowe, Don	1988-2001	
	(36)	Cundy, Martyn	1992-2001	
	(37)	Cuypers, Hans	1994	
	(38)	Czech, Ludmita	1993	
B2004-0024/004	(01)	'D' Miscellaneous	1998-2000	
	(02a)	Danzer, L.	1986-1989	
	(02b)	Davenport, Harold	1987-2000	
	(03a)	Davis, Chandler – Mathematical Intelligencer	1989-2001	
	(03b)	Dearing, Gene	1998-1999	
	(04)	DeBruijn, N.G.	1986-1999	
	(05)	Dedò, Maria	2001	
	(06)	Delaunay, B.	1962-1975	
	(07)	Demichelis, Toni	1993	
	(08)	DeVilliers, Michael	1993	
	(09)	Deza, Michel	1999-2000	
	(10)	Diaze-Miguel	1996	
	(11)	Dickson, graham	2000	
	(12)	Dilworth, Bill	1998-1999	
	(13)	Dixon, Robert	1993	
	(14)	Dominici, Paulo	1999-2001	
	(15)	Dress, A.;1979, 1990	1979-1990	
	(16a)	Duff, F.D.	1991-2001	
	(16b)	DuVal, Patrick	1981-1987	
	(16c)	Dynkin, E.B.	1984-1993	
	(17a)	Dyson, Freeman	1964	
	B2006-0023/002	(28)	Dyson, Freeman	1981-1987
	B2004-0024/004	(17b)	Eberhart, Stephen	1992-2000
(18)		Eddy, Roland	1988-1998	
(19)		Elstor, Winsta & Joan	1982-2000	
(20)		Emmer, Michele	1990-1999	
(21a)		Erdahl, R.M.	1987-1997	
(21b)		Eröds, Paul	1972-1989	
(22)		Erlangen Program, by Felix Klein	1998	
(23)		Eskew, Russell Clark	1994-1996	
(24)		Evans, Lawrence S.	2000	
(25)		Ewald, Günter	2000-2001	
(26)		Faure, Claude-Alain	1996-1997	
(27)		Fedovor?	n.d.	
(28)		Fejes Toth, Gabor	1985-1992	
(29)	Fejes Toth, Laszlo	1963-1985		
(30)	Fekete, A.E.	1999		

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#### Appendix 1: Series 2 - Professional Correspondence

Box	File	Description	Dates
B2004-0024/004	(31)	Fenster, Diane	1994
	(32)	Fields Institute	1994-2000
	(33)	Fillmore, Peter	1994
	(34)	Finch, Ken	1996
	(35)	Fischer	1974-1991
	(36)	Fisher, Chris	1995-2001
	(37)	Flashman	1989-1992
	(38)	Florian, A.	1977-1984
	(39)	Foster, R.M.	1986-1998
	(40)	Fowler, D.H.	1982
	(41)	Frank, Rolfdieter	2000
	(42)	Fraenkel, Aviezri	1988-1990
	(43)	Franzblau, Debbie	1996
	(44)	Frederickson, Greg	1995-1996
	(45)	Freudenthal, Hans	1981-1990
	(46)	Friendlander, John	1988-1989
	(47)	Frucht, Roberto	1985-1990
	(48)	Fuster, M.C.R.	2000
B2004-0024/005	(01)	'G'	1992-1994
	(02)	Gabriel, J. François	1996-1997
	(03)	Gardner, Martin G.	1983-2001
	(04)	Garner, C.W.L.	1993
	(05)	Giesbrecht, Edwin	1989-1990
	(06)	Geissinger, Ladnor	1996
	(07)	Gingrich, Jack	1988-2001
	(08)	Golomb, Solomon	1987
	(09)	Goodman, Eli	1996-1998
	(10)	Goodman-Strauss	2000
	(11a)	Gosper, Bill	1993
	(11b)	Gosset, Thoroldi	1939-1962
	(12)	Graham, Chibeck	1998
	(13)	Gratzer, George	1998
	(14)	Greenhough	1998
	(15)	Griess, R.	1980
	(16)	Grigis, Alain	1999
	(17)	Gruber, Peter	1990-2000
	(18)	Grünbaum, Branko	1995-1999
	(19)	Grünbaum, Branko	2000-2001
(20)	Goldsmith, Eve; Coxeter, Nesta	1997-2000	

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Box	File	Description	Dates	
B2004-0024/005	(21)	Gutschera, Robert	1994	
	(22)	Guy, Richard K.	1993-1998	
	(23)	'H'	1961, 1998	
	(24)	Halitsky, Dave	1988-2001	
	(25)	Har'vel, Zvi	1992	
	(26)	Hardy, G.H.	193-, 1981	
	(27)	Hargittai, István	1995-2000	
	(28)	Hart, George	1996-2000	
	(29)	Henle, Michael	2000	
	(30)	Herfnt, Peter	1997	
	(31)	Hersey, Ben	1996	
	(32)	Herzberg, Gerhard	1984	
	(33)	Hesch, Heinrich	1984-1987	
	(34)	Hiriart-Vraty	n.d.	
	(35)	Hirshfeld, J.W.P.	1997	
	(36)	Hinton, bill	1985-2000	
	(37)	Hof, I.M.	1991	
	B2006-0023/002	(29)	Hofstadter, Douglas R.	1993-2000
	B2004-0024/006	(38)	Hsiang, Wu-Yi	1991
		(39)	Huber, Martin	2000
		(40)	Humour	
		(41)	Huybers, Pieter	1978-1979
		(42)	Infeld, Helen & others – Re: Leopold Infeld (Infeld's letter of resignation to Dean Beatty, 1950)	1950-1993
		B2006-0023/002	(30)	Infeld, Leopold
	B2004-0024/006	(01)	'J'	1995-2000
		(02)	Johnson, Crockett	1970-1974
		(03)	Johnson, Norman	2000
		(04)	'K'	1981-2001
		(05)	Kappraft, Jay	1997-2001
		(06)	Karzel	1987-1999
		(07)	Keane, Mike	1998-2000
		(08)	Kharchenko, Alexander	1999-2000
		(09)	Kleinman, M.	2001
		(10)	Klug, Aaron	1983-2000
		(11)	Komatsu, Kazushi	1998-2000
		(12)	Komhoff, Magelone	1969-1989
		(13)	Konhausser, Ailken	1987-1992
(14)		Kroll, H.-J.	1992-1995	



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#### Appendix 1: Series 2 - Professional Correspondence

Box	File	Description	Dates	
B2004-0024/006	(15a)	'L'	1975-2001	
	(15b)	Langford, W.J.	1969	
	(16)	Lay, Anneli	1985-1995	
	(17)	Lehmer, Emma	1984-1992	
	(18)	Lenard, Andrew	1992-1997	
	(19)	Levy, Jason	1985-1986	
	(20)	Liverpool	2000	
	(21)	Loeb, Arthur	1985-1993	
	(22)	Longuet Higgins, Christopher	1987-2001	
	(23)	Lorimer, peter	1989-1990	
	(24)	'M'	1989-2000	
	(25a)	Mandelbrot, Benoit	1986	
	(25b)	Marchisotte, E.	1989-1996	
	(26)	Martini, Horst	1993-2000	
	(27)	Mathematical Association of America	1993-2001	
	(28)	Mathematics Magazine	1990	
	(29)	Mendelsohn, Nathan Saul	1987-1999	
	(30)	Messer, Peter	1997-1999	
	B2004-0024/007	(01)	Misfela, Jürgen	1992-1995
		(02)	Miyazaki, Koji	1991-2001
		(03a)	Monson, B.	1991-1999
		(03b)	Moody, Robert	1997
		(04)	Morawetz, Cathleen	1995-1997
		(05)	Mosev, William	1993-2000
		(06)	Mosev, William	2001
		(07)	Mostow, Dan	1978-1993
		(08)	Muses	1996-2000
		(09)	'Mc'	1982-1989
		(10)	Macbeth, A.M.	1983-1985
		(11)	Macdonald, Ian	1985-1987
(12)		MacGillavry, C.	1984-1985	
(13)		McMullen, Peter	1991-2002	
(14)		'N'	1981-2000	
(15)		Nagy, Denes	1986-1995	
(16)		NRC Grant	1990-1993	
(17)		Neubuser, Joachim	1979-1983	
(18a)	Neumann, Bernhard	1983-2000		
(18b)	Neville, E.H.	1958		
B2006-0023/002	(31)	Neville, E.H.	1923	
B2004-0024/007	(19)	Oberwalfach	1977-1985	
	(20)	Odom, Geoge	1974-2000	
	(21)	Oldknow	1994	

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#### Appendix 1: Series 2 - Professional Correspondence

Box	File	Description	Dates
B2004-0024/007	(22)	Olshevsky, George	1982-1999
B2004-0024/008	(01)	'P'	1954, 1989-2000
	(02a)	Pambuccian, Victor	1998-2001
	(02b)	Pauling, Linus; 1980, 2001	1980-2001
	(03a)	Pelletier, Marc	1989-1992
	(03b)	Pennose, Roger – Mathematical Institute Oxford	1976-1997
	(04)	Perkins, Ed	2000
	(05)	Pickert, Gunter	1991-1999
	(06a)	Plochman, kim	1972-2000
	(06b)	Polya, George	1973
	(07)	Projective Geometry	1986-1995
	(08)	Pretorius, Johann	2000
	(09)	Polanyi, John	1985-1999
	(10)	Polya, George	1962-1985
	(11)	Porteous, Ian	1999-2000
	(12)	Price, Mike; Re: Wittgensteine	c. 2000
	(13)	Putnam	1972-1998
	(14)	'R'	1993-2001
	(15)	Rado, Richard	1981-1990
	(16a)	Ramakrishnan	1992-1993
	(16b)	Rankin, Robert	1980-1993
	(17)	Real Projective Plan	1988-1993
	(18)	Regular Complex Polytopes	1964-2000
	(19)	Rigby, John	1993-1995
	(20)	Rivier, Nicholas	2000
	(21)	Robinson, G. de B.	1986-1987
	(22)	Robinson, John	1996-1997
B2006-0023/002	(32)	Robinson, John	1992-1997
B2004-0024/009	(01)	Robinson, Renée	1988-1995
	(02)	Robinson, Raphael	1987-1993
B2006-0023/002	(33)	Robson, H.	1948
B2004-0024/009	(03)	Rosenfeld	1991-1999
	(04)	Rosher, Jean	1986-2000
	(05)	Dr. Harold Ruben	1961
	(06)	Rudinskaya, A.	1990-1994
	(07)	Ryskov	1977-1978
	(08)	'S'	1988-2000
	(09)	Saffaro, L.	1983-1991
	(10)	Schattschneider, Dorris	1993-2001

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Box	File	Description	Dates	
B2004-0024/009	(11)	Schattschneider, Dorris	2001	
	(12)	Schoen, Alan H.	1994-2002	
	(13)	Seidel, J.J.	1996-2001	
	(14)	Senechal, M.	1997-2001	
	(15)	Shell, Barry	1992	
	(16)	Shenitzer, Abe	1984-1989	
	(17)	Shephard, G.C. – copy of his Cambridge Thesis	1951	
	(18)	Soddy (file title) – contains correspondence mainly from G.C. Shephard	1957-1969	
	(19)	Shephard, Geoffrey	1992-1999	
	(20)	Sherk, Art	1995-2001	
	(21)	Shimshoni, Michael	1978-1979	
	(22)	IDEAS (CBC Program) with Lister Sinclair	1994-2001	
	(23)	Sloane, Neil	1973-1997	
	(24)	Smith, Cedric	1996-2004	
	(25)	Soddy, Frederick	1951-2001	
	(26)	Stagg, Geoffrey	1997-2000	
	(27)	Steinhaus, Hugo	1943-1964	
	(28)	Steketee, Ruth	1995-2000	
	(29a)	Stoicheff, Boris	1992-1993	
	(29b)	Stott, Alicia Boole	1935-1940	
	(30)	Struik, Dirk	1978-1993	
	(31)	Stuart, Duncan	2001	
	(32)	Synge, John Lighton & Cathleen Synge Morowetz	1987-1996	
	(33)	'T'	1969-2000	
	(34)	Tits, Jacques	1979-1990	
	B2006-0023/002	(34)	Thompson, D'Arcy	1947
	B2004-0024/009	(35)	Thompson, D'Arcy	1936-1947
		(36)	Threlfall, William	1936-1948
		(37)	Towle, Russell	1992-1999
		(38)	Trinity College Cambridge	2000
		(39)	Tucker, Tom	1982-1987
		(40)	Tutte, William	1986-1996
(41)		Tuttle, John	1996	
(42)		Tyrell, John	1988-2001	
B2004-0024/010		(01)	'U'	1996
		(02)	Unkelbach	n.d.
	(03)	'V'	1997-2002	
	(04)	Van der Waerden, B.L.	1953-1984	

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<b>Box</b>	<b>File</b>	<b>Description</b>	<b>Dates</b>	
B2004-0024/010	(05)	Veblen, Oswald	1940-1948	
	(06)	Veldkamp, Ferdinand	1983-1994	
	(07)	Verhegen	1976-1987	
	(08)	Vinberg, E.B.	1976-1996	
	(09)	Voynich, E.L.	1935-1941	
	(10)	'W'-'Y'	1948-2000	
	(11)	Wagner, Peter	1996	
	(12)	Walter, Antoine	2001	
	(13)	Weire, Denis	1995-1998	
	(14)	Weedem, Ron	2001	
	(15)	Wenninger, Magnus	1992-2000	
	(16)	Weiss, Asia	1993-2000	
	(17)	Weyl, Herman	1945-1948	
	(18)	Wiley, [John Wiley & Sons]	1964-1989	
	(19)	Wills, Jörg	1986-1999	
	(20)	Yaglom, A.M.	1974-1998	
	(21)	Yetter	1998	
	(22)	Yff, Peter	1994	
	(23)	Yzeren, J.van.	1994	
	(24)	'Z'	1975-1992	
	(25)	Zelleweger, Shae	1995-1998	
	(26)	General correspondence 1970-1971	1970-1971	
	(27)	General correspondence 1961-1964	1961-1964	
	(28)	General correspondence 1968-1969	1968-1969	
	(29)	General correspondence 1972	1972	
	(30)	General correspondence 1973	1973	
	(31)	General correspondence 1974	1974	
	(32)	General correspondence 1975	1975	
	B2006-0023/002	(25)	Early misc. correspondence with famous mathematicians – unidentified	1936, 1958
		(26)	General correspondence 1998-200	1998-2000