



15/14/33

Liberal Arts and Sciences  
Mathematics Department  
Samuel Goldberg Papers, 1947-99

Box 1:

## **Biographical Information**

Biographical, n.d.  
Photographs, n.d.  
Application for Naturalization, 1952  
LeHigh University - photo i.d.'s, 1952-54  
Photos, biographical, correspondence, 1958-62  
CV, 1959  
United Jewish Appeal, 1965  
Biography, 1966  
Passport, 1967  
Photograph, c. 1970  
Car accident, Yugoslavia, 1972-73  
Illinois Track Club, 1973  
Health records, personal correspondence, c.1975-77  
Sheila Goldberg, resume, 1978  
Health/marriage questionnaire, 1990  
Work permit application (Jamaica), passport photos, 1994

## **Conferences and Professional Travel**

Colloquium talk - Michigan State, 1969  
International Congress on Mathematics, 1974  
India - Duggal lecture, 1975  
"Curvature and Analysis," AMS, San Antonio, 1975-76  
Travel - Japan and India, 1975  
India, 1976  
France lecture (poster), 1979  
NSF Conference on Harmonic Maps, Tulane, 1980  
Debrecen (Hungary) Colloquium, 1984  
Joint Summer Research Conference, Bowdoin College, 1984  
Workshop on Differential Geometry, Berkeley, CA, 1985  
Granada (and Valencia), Spain, 1985  
AMS Special Session on Stochastic Differential Geometry, Anaheim, 1985  
Columbia, Missouri, 1985  
AMS, Newark, NJ, 1987  
AMS, Lincoln, NE, 1987  
Dubrovnick, 1988

A.P. Stone, NSF-CBMS Regional Conference on Kaluza-Klein Theories, 1989  
AMS Annual Meeting, Phoenix, 1989  
Leeds, 1990  
Greece, 1991-94  
Conference on Geometry, Univ. of Thessaloniki, 1991

## **Research Funding -- Applications, Proposals, Reports**

Canadian Armament Research and Development, 1951  
OSR Wayne State, 1956-59  
National Science Foundation (NSF)  
1962  
1964-65, Office of Naval Research  
1965, Post-Doc  
1966-69, Proposals, Passport photos  
1971, Travel Grant  
1972-74  
1973-74  
1974  
1976  
1976-79  
1978-85  
1979-80  
1980  
1980, Appeal  
1980-81  
1982  
1983-86

### Box 2:

1984-86  
1985-86  
U.S. Air Force Office of Scientific Research  
1955-56  
1957-60  
1957-58, Status Reports  
1958, technical note  
1961-65  
1984  
National Research Council, Canada, travel documents, passport photos, 1977  
Natural Sciences & Engineering Research Council (NSERC), Canada  
1980

1980-90  
1981  
NSERC/Queen's College, 1982-84  
Natural Sciences & Engineering Research Council (NSERC), Canada  
1983-97  
1984, Application  
1987  
1990  
1990-91  
1992, Grant Extension  
Scholar's Travel Fund, 1983 (2 folders)  
Canadian Institute for Advanced Study  
n.d.  
1978-82  
1978  
1980-81  
1981  
1982  
Center for Advanced Study, UIUC  
1979  
1982  
1983-84  
1989

### **Notes/Lecture Notes/Teaching Materials**

Notes, n.d.  
Lecture notes, "Gauge Transformations of Contact Riemannian Manifolds," n.d.  
Notes, n.d.  
Notes, n.d.  
Notes, n.d.  
Notes, n.d.  
Notes, n.d.

### **Box 3:**

Notes, n.d.  
Notes, n.d.  
Notes, n.d.  
Lecture notes, n.d.  
Notes, "Some Uniqueness Theorems for Contact Manifolds," n.d.  
Notes, Hermitian manifolds, nd.  
Notes, n.d.

Overhead lecture notes, n.d.  
 Notes - colloquium, n.d.  
 Notes, n.d.  
 Seminar lecture, "Rigidity of Positively Curved Contact Manifolds," n.d.  
 Seminar, n.d.  
 Syllabus, Modern Differential Geometry, n.d.  
 Lectures during Lent Term, n.d.  
 Calculus, n.d.  
 Notes, Math 424, n.d.  
 Math 541 - Vector Analysis, n.d.  
 Notes, Mathematical Operations, 1947  
 Notes/exams, Functional Analysis, Univ. Toronto, 1949-50  
 Exams, 1963-65  
 Notes, 1966  
 Capricious grading committee, 1974  
 Lecture notes, 1976  
 Thesis Examinations, 1978-80  
 Course, Lent term, Cambridge Univ. 1979  
 Exams, Assignments - Math 315, 1979  
 Exams, Riemannian and Kahler Geometry, Univ. Cambridge, 1979  
 Teaching Materials - Differential Geometry, 1980  
 PhD Thesis comments, Loun-Ping cheng (McGill), 1981  
 Lecture notes, 1982  
 Lecture, contact manifolds, 1984  
 Transparencies, 1984  
 Queen's University, 1984-88  
 Lecture, contact-3 manifolds, 1987  
 Lecture notes, transparencies, c. 1987  
 Course materials, Math 280, 1988  
 Teaching materials, 1988  
 Capricious grading committee, 1989  
 Exams, graded assignments, Math 315, 1989  
 Lecture notes, teaching materials, Math 315, Spring 1989  
 Hodge Theory and Characteristic Classes, 1992

## **Departmental and LAS Records**

UIUC Dep't of Math, Fellowship Committee, 1987-1990  
 Application for Study in a Second Discipline - LAS  
     n.d.  
     1988-89  
 Sabbatical  
     1966-67  
     1978

1979, Report  
 1986-87, Spring  
 1986, Special Year Report/ Sabbatical Leave Report

Box 4:

1990-91, Spring  
 UIUC Dep't of Math reports/faculty rosters  
 1969-84  
 1968-82  
 Salary negotiations, 1964  
 Gold Forms (salary review)  
 1982, Update  
 1980-83  
 1984-85  
 1985-86  
 1986  
 1986-87  
 1986-88  
 1987-88  
 1988-89  
 1989-90  
 Grievance - salary equity, 1989

**Manuscripts**

"Note on Conformally Flat Spaces," n.d.  
 "Cohomology, Lie Algebras, and Lie Groups," n.d.  
 "Conformally Flat Manifolds and a Pinching Problem on the Ricci Tensor, n.d.  
 Mss, n.d.  
 "Spectral Rigidity," n.d.  
 "Harmonic Mappings of Generalized Dilation," n.d.  
 "A Note on a Theorem of Matsushima and Yano," n.d.  
 "Note on Projectively Euclidean Hermitian Manifolds," 1959-61  
 Mss, 1963  
 "A Theorem of Chern on Volume Decreasing Mappings," 1970-71  
 "Harmonic Quasi-Conformal Mappings of Riemannian Manifolds," unpubl. revisions,  
 1973  
 "Projective and Totally Umbilical Mappings," 1981  
 "Brownian Motion, Geometry, and Generalizations of Picard's Little Theorem," 1981  
 "Characterizing  $S_m$  by the Spectrum of the Laplacian on  $S$ -Forms," 1985-86  
 "Remarks on Wente's Example of an Immersed Torus in  $E^3$ ," 1986  
 "On Closed Surfaces Immersed in  $E^3$  With Constant Mean Curvature," 1986

"Addendum to Torsion and Deformation of Contact Metric Structures," 1987-88

"Contact-3 Manifolds with Positive Scalar Curvature," 1991

"On Complex Quasiconformal Mappings of Hermitian Manifolds, 1995

## Reviews

Refereeing reports, 1968-71

Reviews, NSF, 1968-76

Mathematical Reviews

1974-75

1975-77

## Box 5:

Reviews, NSF

1977-78

1983

Review, "Elements of Modern Topology" (R. Brown), 1984

Manjusha thesis-report, 1988

External examiners' report, TuYong Eng, Univ. of Malaysia, 1990

Mathematical Reviews, 1986-87

Referee reports, 1988

Review of "Hyperbolic Geometry on a Hyperboloid" (W.F. Reynolds), 1982

Reviews, Journal of Geometry, 1984

NSERC, NSF proposal reviews, 1984-1990

Tensor Society, 1974-78

Mathematical Reviews, 1975-91

## **Chronological Correspondence File**

1954-55, Seeking academic positions, publications

1955, Annals of Mathematics

1956-61, Air Force Office of Scientific Research (2 folders)

1958-67

1959-60, M. Obata

1961-64, Publishers

1962-63

1962-64

1962-65, Letters of Recommendation

1964-66

1965, London Math. Society

1965-68, University of Toronto

1965-68

1966-68  
1967  
1968  
1968-69, W.C. Weber  
1968-69  
1968-73  
1969  
1969, D. Blair  
1969, Illinois Journal of Math.  
1969, Canadian Math. Bulletin  
1969-71, S. Patnaick, Letters of Recommendation  
1969-71, K. Yano

Box 6:

1969-71  
1969-72, Letters of Recommendation  
1970  
1970, Bowling Green State Univ.  
1970-71, Isu Vaisman  
1970-71  
1971, S.S. Chern  
1971-76, Royalty Statements, Publishers  
1971-73  
1971-85  
1972  
1972, Chern Paper  
1972, Haifa (Israel Technion) (3 Folders)  
1972-73, Israel Technion  
1972-74, Correspondence, Photos  
1972-78, journals  
1972-85, journals  
1973, Athens Symposium  
1973, P. Bozonis  
1973, Requests for Visiting Positions  
1973-74, Israel Technion (2 folders)

1973-75  
1973-76  
1973-75, Toru Ishihara  
1974-75, K.L. Duggal

Box 7:

1974-75, India  
1974-76, K.L. Duggal  
1974-76, Univ. of Ottawa  
1974-77  
1974-77, Publishers  
1975 (3 folders)  
1975-77, Journals  
1975-79, Lecture Poster  
1975-79  
1976, Canada  
1976  
1976-77  
1976-78  
1976-80, Letters of Recommendation, PhD Exam Report  
1976-85  
1977, Germany  
1978  
1977-78, Germany/Belgium  
1978  
1978-79 (2 folders)  
1978-80  
1978-87, Publishers  
1978, 1990, Notes  
1978-82, Publishers, Curvature and Homology  
1979, Jay at SIU  
1979-80 (3 folders)  
1979-80, Instituto di Fisica Matematica, Univ. Torino  
1979-81, Kendall, Meuller  
1979-81, personal  
1980-81, Letter of Support, Bardeen, Queen's Univ.  
1980, Personal and Professional, Italy  
1980, T. Hasanis  
1980, Toru Ishihara  
1980-84  
1981-82  
1982  
1982-85, T. Okubo

Box 8:

1983, Annals of Probability



1984-86  
1984-87  
1985-86, Mss.  
1985-90  
1983, Application, Head of Dep't, UBC  
1986, Heini Halberstam  
1986, John C. Wood  
1986, Recommendation, Gabor Toth  
1986-87, Tohuku Math. Journal  
1986-87, Toth, Glazebrook  
1986-87, Domenico Perrone  
1986-89, Recommendations  
1987  
1987, Perrone  
1987, G. Toth  
1987-88  
1988, Center for Excellence in Math.  
1988, Oakland Univ.  
1988, Ken Appel  
1988, NSF Recommendation, P. Coulton  
1988-89  
1987-88, Publisher, "On Closed Surfaces..."  
c. 1988, Publisher, "Contact 3 Manifolds..."  
1988-89  
1988-94  
1989-90  
1990-91 (3 folders)  
1990-91, Italy  
1990-95  
1991, MacMillan: Book Review  
1991-93, Univ. of West Indies  
1991-94, Univ. of West Indies  
1992, Paper to AMS  
1994-95, Univ. of West Indies  
1995-96, Correspondence, Phone Logs  
1996  
1996-98  
1996-99, Dover Publications