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- B1994-0033
- B1995-0014

University of Toronto Archives



**IRVINE ISRAEL GLASS  
PERSONAL RECORDS  
B1994-0033**

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TABLE OF CONTENTS

Series 1: Personal files.....3

Series 2: Correspondence.....4

Series 3: Course Notes.....5

Series 4: Administrative files (University of Toronto).....6

Series 5: Teaching files and lecture notes.....6

Series 6: Student and related files.....7

Series 7: Sabbatical leave and trips.....8

Series 8: Research and research contract files.....9

Series 9: Professional associations and conferences.....11

Series 10: Addresses and public lectures.....12

Series 11: Manuscripts and publications.....13

Series 12: Graphic material.....15

Series 13: Sound recording.....16

Series 14: Moving image.....16

B94-0033

University of Toronto Archives  
GLASS, Irvine Israel

Records [textual; graphic; sound recording; moving image], 1938-1994, 10.30 metres

Biographical files, correspondence, course notes, lecture notes, research files, addresses, manuscripts and publications, photographs and slides, audio tapes and film documenting the career of Irvine Glass as a specialist in shock waves and a professor and administrator at the Institute for Aerospace Studies. There are extensive files on his research interests (including the American space program), professional associations and conferences, sabbatical leaves and trips, and on his personal involvement in Jewish issues through the Canada-Israel Chamber of Commerce and Industry, Canadian Professors for Peace in the Middle East, and the Committee of Concerned Scientists.

**Note:** These records were removed from Dr. Glass' office in the Institute of Aerospace Studies several months after his death in October, 1994. Reference should also be made to Accession B95-0014 containing records received from the family.

Anyone researching Dr. Glass' career will find the several versions of his curriculum vitae in box 001, file 01 useful in gaining an overall view of his career and in determining what he regarded as significant at various stages in it.

**Access:** Open

**Series 1: Personal files**

Records [textual], 1947-1990, 0.06 m.

This small series contains Dr. Glass' curriculum vitae, entries for biographical dictionaries, press clippings and articles; appointment calendars for 1974 and 1976; files from his employment as a stress analysts at Canadair (1945) and in 1947 as an aeronautical engineer with the Canadian Car and Foundry; and a file containing an offer of a position at Technion, the Israel Institute of Technology (1971-1972).

Date(s)	/box (folder)
1947-1990	/001 (01) - (08)

**Series 2: Correspondence**

Records [textual ; graphic], 1950-1987, 0.55 m.

This series contains Dr. Glass' extensive correspondence files on a wide variety of personal and professional issues. The arrangement by broad topics (consulting, 1955-1982; "personal" correspondence from his office, 1950-1969), then general correspondence, filed chronologically (1959-1987), and finally by alphabetically by name of organization for the files relating to Dr. Glass' involvement in Jewish issues.

The last category begins with files on Canada-Israel cultural exchange, including the work of the Canada-Israel Chamber of Commerce and Industry (1972-1981). These are followed by files of the University of Toronto chapter of Canadian Professors for Peace in the Middle East (1974-1987), but the greatest volume relates to the conditions of Jews in the Soviet Union. Much of the work on this issue was done through the Canadian Academic Committee for Soviet Jewry and the Committee of Concerned Scientists, including its Canadian branch. Of particular concern was the treatment of the scientist, Benjamin Levich, in whose honour conferences were organized. Dr. Glass played a very active role in these events.

The files on Jewish issues contain, in addition to letters, press coverage, notes, memoranda, and minutes.

**Note:** Photoprints have been removed from box 002, file 04 to box 001P, file 01.

<b>Date(s)</b>	<b>/box (folder)</b>
1950-1993	/001 (09) - (13)
1963-1987	/002 (01) - (09)
1972-1987	/003 (01) - (10)
1976-1979	/004 (01) - (08)
1974-1986	/005 (01) - (05)

B94-0033

University of Toronto Archives  
GLASS, Irvine Israel

Series 3: Course Notes

Records [textual], 1938-1950, 0.52 m.

Irvine Glass entered the Faculty of Applied Science and Engineering at the University of Toronto as an undergraduate in the fall of 1938. He left at the end of his second year to serve in the Royal Canadian Air Force during the Second World War, where he served as an aeronautical engineer and wireless air gunner. In the fall of 1945, he was back on campus. His principal courses now were in engineering mechanics, aircraft design and heat engines, and he graduated with honours in aeronautical engineering in 1947. He enrolled in graduate studies in the fall, at the same time acting as an instructor at the Subsonic Wind Tunnel at the University of Toronto. He obtained his MASc in the spring of 1948 and in the fall enrolled as a doctoral student under Gordon Patterson in the new Institute of Aerophysics, where he specialized in the study of the effect of shock waves. The title of his doctoral thesis is "The design and development of a wave interaction tube for the study of non-linear waves."

This series contains course notes and laboratory notes; problem sets, including one from his doctoral program on the absorption of shock waves; seminars on the kinetic theory of gases and blast time in supersonic wind tunnels that he conducted in 1950; and a copy of his doctoral thesis. The arrangement is by academic year and alphabetically by course within each year.

<b>Date(s)</b>	<b>/box (folder)</b>
1938-1940	/006 (01) - (15)
1945-1946	/007 (01) - (14)
1946-1947	/008 (01) - (23)
1946-1950	/009 (01) - (13)

University of Toronto Archives  
GLASS, Irvine Israel

B94-0033

**Series 4: Administrative files (University of Toronto)**

Records [textual], 1961-1993, 0.12 m.

Dr. Glass held several administrative positions in the Institute for Aerospace Studies. From 1961-1966 he was its chairman and from 1968 to 1974 it's assistant director of education. Most of the records from both of these positions have remained in the respective administrative jurisdictions.

The files in this series include Dr. Glass' "activity reports" (1975-1993), minutes of the Institute's council meetings (1975-1977) and its advisory committee (1976); proposals for buildings, teaching assignments, and post-doctoral fellowships; correspondence concerning visiting professors and exchange students from the Soviet Union (1962-1988) and China (1981-1982), and correspondence about *Pathways to Excellence*, the history of UTIAS (1976).

<b>Date(s)</b>	<b>/box (folder)</b>
1961-1993	/010 (01) - (17)

**Series 5: Teaching files and lecture notes**

Records [textual; graphic], 1951-1984, 1.36 m.

Dr. Glass' teaching career began in the autumn of 1950 when he was appointed a research associate in the then Institute of Aerophysics. His earliest surviving lectures are on boundary layer theory, but he became best known for his fourth year course in gasdynamics (ASE 1048, AER 410S), and his graduate courses: non-stationary gasdynamics and wave interactions (1009); shock waves in continuous media, a reading course (1014); gas flows at high temperature (1302, 1402); hypersonic gasdynamics (2003); and his gasdynamics seminar (2045X). While his career was spent at Institute, he also taught elsewhere, especially during sabbatical leave, and was in much demand as a visiting lecturer.

This series consists largely of lecture notes, mostly by Dr. Glass but including some by other specialists in areas such as boundary layer and wing theory. Included are assignments, problem sets, examination questions, course evaluations by students, and a single file on the Institute's Gasdynamics Group (1975-1984).

B94-0033

University of Toronto Archives  
GLASS, Irvine Israel

**Series 5: Teaching files and lecture notes**

This series begins with the surviving lecture files from the year (1957-1958) Dr. Glass taught at the Imperial College of Science and Technology in London while on sabbatical. Next are his teacher and course evaluations at the University of Toronto (1969-1980); general examination files (1955-1967); and lecture notes, problems sets and examinations, grouped by course and arranged, as far as possible, chronologically within each course.

The principal courses are: advanced mechanics, aerodynamic measurements, boundary layer theory, dynamics of space flight, wing theory, gasdynamics, and shock waves. The files begin in 1950 and end in 1984, the year of Dr. Glass' retirement.

**Note:** Photoprints have been removed from box 010, file 26 to box 001P, file 02.

<b>Date(s)</b>	<b>/box (folder)</b>
1956-1980	/010 (18) - (26)
1950-1967	/011 (01) - (11)
1951-1984	/012 (01) - (09)
1956-1968	/013 (01) - (06)
1963-1980	/014 (01) - (11)
1973-1984	/015 (01) - (08)
1958-1980	/016 (01) - (23)
1953-1966	/017 (01) - (13)

**Series 6: Student and related files**

Records [textual], 1958-1991, 0.85 m.

Dr. Glass maintained a series of files on his students, mostly those theses he supervised. He maintained a lively correspondence with many who later became significant academics and researchers in their own right. He also kept files on colleagues and visiting professors with which he was engaged directly in research or with whom he exchanged ideas.



**Series 6: Student and related files**

The records contain correspondence, biographical data, notes, memoranda, and appraisals of research projects and theses.

This series is arranged alphabetically by name.

<b>/box (folder)</b>	<b>Name</b>	<b>Date(s)</b>
/018 (01)-(21)	Ando, Samon - Wolfgang Otto Graf	1958-1988
/019 (01)-(15)	Guervich, Yuri - Andrzej Makomaski	1962-1991
/020 (01)-(19)	Martin, Jean - Isamu Wada	1963-1993
/021 (01)-(07)	Wahba, Nabil - Xin Xin Zhou	1963-1991

**Series 7: Sabbatical leave and trips**

Records [textual ; graphic], 1956-1985, 1.30 m.

Dr. Glass was granted sabbatical leave in 1957-1958, 1970-1971, and 1974-1975. His first leave was spent in England, primarily at the Imperial College of Science and Technology in London. His proposed sabbatical leave for 1966-1967 had to be postponed and he took it in 1970-1971. He arranged a global trip, which took him to the 8th International Shock Tube Symposium in London and the International Symposium on the Dynamics of Ionized Gases in Tokyo.

In 1972 he began planning for his next sabbatical. It began in England, and continued through France, the Netherlands, Belgium, and Denmark. As his book, *Shock Waves and Man*, had recently appeared, he was much in demand both in academic and research (both military and civilian) circles as a speaker. He then went on to Israel, Iran, India, Thailand, Hong Kong, and Japan. While in Japan as a visiting professor, he attended the 10th International Shock Tube Symposium. He returned to Toronto via Hawaii, San Francisco and Chicago, giving lectures and seminars as he went.

**Series 7: Sabbatical leave and trips**

In addition to his sabbatical leaves, Dr. Glass travelled widely. His first major trip was to the USSR in 1961, with a side vacation to Israel. In 1963, he visited a number of universities in the mid and western United States. In 1965, he was back in Europe attending the VII Symposium on Advanced Problems and Methods in Fluid Dynamics in Poland. In 1980, he made another tour of the Far East, visiting China as a guest of the Academy of Sciences, and then going on to Japan. In 1985, he made a return visit, receiving an "honorary professoriate" from the Nanjing Aeronautical Institute.

The files contain correspondence, calendars and diaries, notes, research notes, conference programs, abstracts, drafts of lectures and addresses, and photoprints. There is extensive material on the symposia mentioned above.

Researchers interested in trips related to contract work should refer to the correspondence on contracts in Series II and the files in Series 8. Those interested in addresses and slides relating to Dr. Glass' visit to China and Japan in 1980 should refer to series 9 and 11 respectively.

**Note:** Photoprints have been removed from box 021, file 11 to box 001P, file 03.

Posters have been removed from box 023, file 07 and filed separately as /023 (07a).

<b>Date(s)</b>	<b>/box (folder)</b>
1956-1980	/021 (08) - (14)
1961-1975	/022 (01) - (17)
1962-1985	/023 (01) - (08)

**Series 8: Research and research contract files**

Records [textual], 1951-1994, 0.94 m.

Dr. Glass kept a number of research files, which he arranged by subject, but most relate to research contracts with Canadian and American government agencies.

**Series 8: Research and research contract files**

The general research files include lab books from the early 1950s, and correspondence, research proposals, notes, research data, and photoprints from 1950 to 1981. Dr. Glass provided titles such as "spherical shock tubes", "spherical explosions", and "sonic boom", the material on the last topic, in particular, being related to the research projects mentioned below. Dr. Glass also maintained files on the following granting agencies: the Canada Council, the National Research Council, the Natural Sciences and Engineering Research Council, and the Connaught Research Fund at the University of Toronto.

The greatest volume of material in this series relates to research projects funded by government agencies. They are arranged by the name of the agency and by the contract(s) for each. The Canadian contracts were with AECL, Transport Canada, the Defence Research Establishment (Sheffield, Alberta), and Pratt and Whitney Canada. American contracts were with the Defence Nuclear Agency, NASA, and the research offices of the Air Force, Army and Navy. There are three research proposals, for which funding apparently was not granted, in this series, and two review reports for research projects by others.

**Note:** Photoprints have been removed from box 023, file 21 to box 001P, file 04.

<b>Date(s)</b>	<b>/box (folder)</b>
1951-1976	/023 (09) - (24)
1971-1987	/024 (01) - (11)
1969-1994	/025 (01) - (14)
1971-1991	/026 (01) - (09)
1962-1989	/027 (01) - (11)

**Series 9: Professional associations and conferences**

Records [textual ; graphic], 1959-1993, 1.25 m.

Dr. Glass belonged to many professional associations, in some of which he played a very active role. He was also much in demand as an adviser to and participant in conferences in his areas of specialization. This series reflects his involvement in these areas; additional information may also be found in the addresses in series 10.

There are extensive files on the fluid dynamics divisions of the American Physical Society and NASA, on the aerodynamics committee of the National Research Council of Canada, and on the geothermal energy study of the Science Council of Canada, which Dr. Glass headed. The conferences represented are mostly international ones on gasdynamics and shock tubes. Dr. Glass also sat on a number of editorial boards and was the founder of the journal, *Shock Waves*.

The material in this series includes correspondence, programs, minutes, reports, lecture notes, addresses, press clippings, and photoprints. The arrangement is alphabetical by name of organization or conference.

Oversized material has been removed from box 030, file 11 and filed separately as box 030, file 11A.

**Note:** Photoprints have been removed from box 030, file 08 to box 001P, file 05.

<b>Date(s)</b>	<b>/box (folder)</b>
1960-1974	/027 (10) - (15)
1959-1988	/028 (01) - (24)
1963-1987	/029 (01) - (30)
1963-1993	/030 (01) - (24)

**Series 10: Addresses and public lectures**

Records [textual ; graphic], 1957-1989, 0.66 m.

Dr. Glass was much sought after as a public lecturer and gave freely of his time. Most of the addresses relate to his professional work, but he also took time to share his private passions, especially the utilization of geothermal energy and his research on the Jews in China. The last arose from his invitations to visit China in 1980 and 1985, where he was awarded an honorary professorship from the prestigious Nanjing Aeronautical Institute.

The files contain drafts of addresses, covering correspondence, notes, programs, press coverage, photoprints and slides. The arrangement is chronological.

**Note:** Slides have been removed from box 032, file 25 to box 006P, file 06;  
Slides have been removed from box 032, file 26 to box 006P, file 07;  
Photoprints have been removed from box 032, file 30 to box 001P, file 05;  
Slides have been removed from box 032, file 38 to box 006P, file 08;  
Slides have been removed from box 032, file 39 to box 006P, file 09;  
Slides have been removed from box 032, file 40 to box 006P, file 10;  
Slides have been removed from box 032, file 52 to box 006P, file 11;  
Slides have been removed from box 033, file 02 to box 006P, file 12;  
Slides have been removed from box 033, file 14 to box 007P, file 01;  
Slides have been removed from box 033, file 17 to box 007P, file 02;  
Slides have been removed from box 033, file 21 to box 007P, file 03;  
Slides have been removed from box 033, file 27 to box 007P, file 04.

**Series 10: Addresses and public lectures**

<b>Date(s)</b>	<b>/box (folder)</b>
1957-1970	/031 (01) - (46)
1971-1981	/032 (01) - (53)
1982-1989	/033 (01) - (29)
1976-1982	/006P (06) - (12)
1986-1989	/007P (01) - (04)

**Series 11: Manuscripts and publications**

Records [textual ; graphic], 1952-1992. 0.60 m.

This series contains manuscripts and the occasional offprint of book reviews, articles, chapters of books, and books written by Dr. Glass. There is also covering correspondence, contracts, notes, reviews, and photoprints tipped in with the manuscripts. The arrangement is chronological.

This series is very incomplete; it contains material on only about 50 of the approximately 200 publications written or co-authored by Dr. Glass. There are no manuscripts or publications, for example, for the years 1954, 1960, 1963-1966, 1969, 1973, 1984, and 1987, and the years represented are not always complete. For some of the publications, there is only covering correspondence; for others, the manuscript is incomplete; and for a few, there is only an offprint.

**Note:** A bound set of 207 publications (in sixteen volumes), most of which were authored or co-authored by Dr. Glass may be found in the library of the Institute for Aerospace Studies. A listing of the contents is in box 035, file 31. Reference should also be made to Dr. Glass' comprehensive 1984 curriculum vitae (box 001, file 01).

B94-0033

University of Toronto Archives  
GLASS, Irvine Israel

**Series 11: Manuscripts and publications**

<b>Date(s)</b>	<b>/box (folder)</b>
1952-1973	/033 (30) - (37)
1957-1962	/034 (01) - (16)
1967-1974	/035 (01) - (12)
1974-1991	/036 (01) - (28)

**Series 12: Graphic material**

Photoprints, photonegatives, slides, ca. 1950-198-, 2.21 m.

This series consists of photoprints, photonegatives, and slides assembled by Dr. Glass in the course of his research, teaching duties, his writing, and for his public addresses and lectures, which are not specifically connected to manuscript material in other series.

The arrangement of the photoprints and photonegatives is generally by topic. There is a representative sampling of images from the Institute for Aerospace Studies, of Dr. Glass' involvement with Avro Corporation and with NASA, and of various aspects of his research.

A number of the slides relate to unidentified lectures. The remainder is arranged by topic, generally in alphabetical order.

Boxes 003P, 009P, and 010P contain material that largely, or in part, belongs to series 9.

**Photoprints and Negatives**

/001P	Photo Album re. Institute of Aerospace Studies ca. 1965-1987
/002P	Scrapbook documenting Glass's career and UTIAS, 1961-71; Graduating Class Photos 1946-47 Faculty of Engineering and Applied Science
/003P	Panorama: RCAF, 1942
/004P (07) -	Irvine Glass; UTIAS; flow photos
/005P	flow photos; current research, 1966-72; Avro; Apollo
/006P	Skylab; NASA; various research
/007P	Various research
/008P	UTIAS; Apollo



B94-0033

University of Toronto Archives  
GLASS, Irvine Israel

**Series 12: Graphic material (cont'd)**

**Slides**

/009P (01) - (05), (13) Addresses  
/010P (05) - Addresses; lectures; UTIAS; aerospace  
/013P Aerospace - condensation  
/014P Diffractions-ionized gases  
/015P Energy, population and pollution  
/016P Oblique shock waves  
/017P Shock tubes; shock waves; sonic boom  
/018P Shock refractor index; sonic boom

**Negatives**

/011P Compare with box 006  
/012P PhD thesis; various research

**Series 13: Sound recording**

/001S Reel-to-reel tape of address (?) by Dr. Glass, 1959-11-06

**Series 14: Moving image**

/001M 16 mm. film entitled "UTIAS: Underwater Explosions Research"

University of Toronto Archives



IRVINE ISRAEL GLASS  
PERSONAL RECORDS  
B1995-0014

TABLE OF CONTENTS

Scope and Content.....3

Series 1: Personal files.....3

Series 2: Correspondence.....3

Series 3: Trips.....4

Series 4: Organizations and conferences.....5

Series 5: Lecture notes.....6

Series 6: Addresses and publications.....6

B1995-0014

University of Toronto Archives  
Glass, Irvine Israel

**Scope and Content**

Records [textual;graphic], 1947-1993, 1.28 m.

Biographical files, certificates and diplomas, professional and personal correspondence, lecture notes on gas dynamics (1954-1963); files on professional associations, conferences, and trips; drafts of articles and addresses, and photoprints documenting Dr. Glass's career as a professor of aerospace studies and a specialist in shock waves, and his personal interest in the Jewish peoples through his involvement, in particular, with Canadian Professors for Peace in the Middle East, the Committee of Concerned Scientists, and the Sino-Judaic Institute.

**Access:** Open

**Series 1: Personal files**

Records [textual ; graphic], 1947-1992, 0.65 m.

This series contains biographical sketches compiled for internal University of Toronto purposes and for several biographical dictionaries (ca. 1960-1992), including a selection of photoprints; a personal data file compiled by Professor Glass in July, 1986; certificates and diplomas for academic and honorary degrees and other awards (1947-1986); and press clippings (1977-1985).

The oversized certificates and diplomas are found in box 001, folder 04. Photoprints have been removed from box 001, folder 01 to box 001P, folder 01.

<b>Date(s)</b>	<b>/Box (folder)</b>
1947-1992	/001 (01) - (05)

**Series 2: Correspondence**

Records [textual ; graphic], 1964-1993, 0.13 m.

Dr. Glass was a prolific letter writer and this series represents only a small portion of his total output. The remainder will be found in accession B94-0033. There are two "personal correspondence files" from his office, covering the years 1964-1966 and 1968-1971. The remaining eight files contain extensive personal correspondence for the months of April, 1981 to mid-July, 1982, and October, 1987 through October, 1988, with

**Series 2: Correspondence**

a few letters for 1983, 1985 and 1993.

The "personal correspondence files" from his office encompass the personal side of his professional work, such as invitations to conferences and speaking engagements, references, and internal reports and meetings.

The personal correspondence for 1981-1982 relates primarily to Dr. Glass being appointed a University Professor, to his part in the campaign on behalf of Andrei Sakharov and other Soviet refusniks and dissidents, to exchange programs between the University of Toronto and other universities, and to conferences.

The files for 1987 and 1988 contain much correspondence by the Committee of Concerned Scientists on the extradition of Nazi war criminals, particularly Alois Brunner, and on the campaign to allow Soviet Jewish refusniks to emigrate. Most of the remaining letters are devoted to a discussion to Professor Glass's ongoing research and writings and to his interest in Jews in China.

The arrangement is chronological. A photoprint has been removed from box 001, folder 08 to box 001P, folder 02.

<b>Date(s)</b>	<b>/Box (folder)</b>
1964-1993	/001 (06) - (14)

**Series 3: Trips**

Records [textual], 1961-1987, 0.13 m.

As Dr. Glass's reputation as a scientist grew, he began to receive invitations to make special trips abroad. In 1961 he was invited by the Academy of Sciences in the USSR to give a series of lectures on high-temperature gas flows and shock wave phenomena. In 1965 the Polish Academy of Sciences invited him to attend the 7th Fluid Dynamics Symposium at Jurata; afterwards he attended the 7th International Congress on High-Speed Photography and Cinematography in Zurich. In 1980, on the invitation of the Chinese Academy of Sciences, he spent four weeks lecturing in China and a further two weeks in Japan as a part of the Speakers' Program sponsored by the Department of External Affairs. In May of 1985 he returned to China on a lecture tour and was awarded an "honorary professorship" by the Nanjing Aeronautical Institute, the first foreigner to receive one. He returned via Japan.

**Series 3: Trips**

The files in this series document all of these trips. Most include background files, correspondence, programs, drafts of addresses and lectures, notes and press clippings. For the trip to the USSR in 1961, there is only a report prepared by Dr. Glass on his return; he also wrote one for the 1985 trip to China, for which there are also diaries and notebooks. The arrangement is chronological.

<b>Date(s)</b>	<b>/Box (folder)</b>
1961-1983	/001 (17) - (21)
1978-1987	/002 (01) - (07)

**Series 4: Organizations and conferences**

Records [textual ; graphic], 1966-1990, 0.25 m.

Dr. Glass belonged to many professional associations, and was in wide demand at conferences. He also, as already has been noted, was deeply involved in a number of organizations devoted to various causes on behalf of Jewish peoples. The activities of both groups overlapped, especially on the issue of scientific freedom.

The organizations represented here are the Committee on Scientific Freedom and Responsibility of the American Association for the Advancement of Science (1980-1981), the Canadian Committee of Scientists and Scholars (1980-1981), the Commission on Post-Secondary Education in Ontario (1971), the Committee of Concerned Scientists (1980-1986), the 2nd International Colloquium on Gasdynamics of Explosions held in Novosibirsk, USSR, in 1969 (1966-1972), the International Conference in Honour of Andrei Sakharov (1981), the 15th International Congress of Theoretical and Applied Mechanics held at the University of Toronto in 1980 (1979-1980), the Sino-Judaic Institute (1981-1990), and the University of Toronto protest regarding anti-Semitism in the USSR (1976-1978).

The organization files contain primarily correspondence, with some background and other reports, programs, notes, manuscripts and press clippings. The conference files also contain some addresses.

B1995-0014

University of Toronto Archives  
Glass, Irvine Israel

**Series 4: Organizations and conferences**

The arrangement is alphabetical. A photoprint has been removed from box 003, folder 05 to box 001P, folder 03.

<b>Date(s)</b>	<b>/Box (folder)</b>
1966-1986	/002 (08) - (15)
1969-1990	/003 (01) - (08)

**Series 5: Lecture notes**

Records [textual], 0.04 m., 1954-1963

Most of the lecture notes that Dr. Glass preserved from his teaching career are to be found in accession B94-0033. This series contains lecture notes on gasdynamics prepared between 1954 and 1963. They have been left substantially as Dr. Glass arranged them. He did the numbering on the pages in the numerous sections.

<b>Date(s)</b>	<b>/Box (folder)</b>
1954-1963	/004 (01) - (02)

**Series 6: Addresses and publications**

Records [textual], 1969-1991, 0.09 m.

This series contains, in four folders, two addresses by Dr. Glass, with covering correspondence, and background files. The first was delivered at the 7th International Shock Tube Symposium in Toronto in 1969. The second, "China and its vanished Jews", was also delivered in Toronto on 8 February, 1981. The files relating to it contain correspondence and reports in Chinese, with the originals of the translations into English, along with other background material and press clippings. The final address, "Jewish life at the crossroads: the role of Yiddish literature in the 20th century", is by Dr. Glass's wife, Anne, delivered in 1982 shortly before she died.

Six of the remaining nine files in this series are devoted to Shock Waves and the Man, which was published in 1974 to great academic acclaim as the reviews and notices demonstrate.

**Series 6: Addresses and publications**

Negotiations began almost immediately for its translation into Russian (1977), while editions in Chinese, Polish, Hindi, and Japanese followed. The files for each edition contain correspondence, notes, and some contracts that document the process.

The seventh file contains correspondence, notes, press clippings and other articles that were received in response to Dr. Glass's article, "Terrestrial and cosmic shock waves", that appeared in the July/August, 1977 edition of the American Scientist. Next, there is a file of correspondence with Cambridge University Press (1985-1988) over a proposed book, "Fundamentals of shock waves and shock tubes". The final file contains a copy of Professor Glass's retrospective article, "Forty years of continuous research at UTIAS on nonstationary flows and shock waves", that appeared in the first issue of Shock Waves in 1991, of which Dr. Glass was editor-in-chief.

<b>Date(s)</b>	<b>/Box (folder)</b>
1969-1991	/004 (03) - (16)