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## **F. Sherwood Rowland papers MS.F.029**

Finding aid prepared by Dawn Schmitz, 2010; updated by Audra Eagle Yun and Alix Norton, 2012; updated by Kimberly Gallon, 2013; updated by Laura Uglean Jackson and Christine Kim, 2017.

Processing of this collection was funded by the Andrew W. Mellon Foundation and administered by the Council on Library and Information Resources (CLIR), Cataloging Hidden Special Collections and Archives program.

Special Collections and Archives, University of California, Irvine Libraries

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**Contributing Institution:** Special Collections and Archives, University of California, Irvine Libraries

**Title:** F. Sherwood Rowland papers

**Creator:** Rowland, F.S.

**Identifier/Call Number:** MS.F.029

**Physical Description:** 204.8 Linear Feet(340 boxes and 2 oversized folders)

**Date (inclusive):** 1928-2012

**Date (bulk):** 1980-2012

**Abstract:** F. Sherwood Rowland was the Donald Bren Research Professor of Chemistry in Earth System Science at the University of California, Irvine, beginning at UCI as a founding faculty member in 1964 and continuing as a professor and researcher until 2012. This collection documents his professional career in radiochemistry and atmospheric science. Included are materials documenting his research; awards including the Nobel Prize in chemistry (1995); professional service; and his global efforts to educate the public and policymakers about stratospheric ozone depletion, global climate change, and related environmental issues. Materials document the public controversies surrounding the chlorofluorocarbon (CFC) theory of ozone depletion and efforts to negotiate international agreements, including the Montreal Protocol, to ban CFC production. Forms of materials include audiovisual recordings, speeches, manuscripts, correspondence, notes, reports and report drafts, publications, clippings, photographs, and digital material.

**Language of Material:** English .

**Access**

The collection is open for research.

**Publication Rights**

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**Preferred Citation**

F. Sherwood Rowland papers. MS-F029. Special Collections and Archives, The UC Irvine Libraries, Irvine, California. Date accessed.

For the benefit of current and future researchers, please cite any additional information about sources consulted in this collection, including permanent URLs, item or folder descriptions, and box/folder locations.

**Acquisition Information**

Gift of F. Sherwood Rowland and Joan Rowland, 2008-2012.

**Existence and Location of Originals**

External media received, digital object numbers MSF029\_DIG001-MSF029\_DIG099

**Processing History**

Processed by Dawn Schmitz, Kimberly Gallon, Colleen Williams, and Christine Kim in 2010-2011. Funding for processing was generously provided by the Andrew W. Mellon Foundation and administered by the Council on Library and Information Resources (CLIR). The UC Irvine Libraries Department of Special Collections and Archives was awarded a Cataloging Hidden Special Collections and Archives grant from 2010-2012, "Uncovering California's Environmental Collections," in collaboration with eight additional special collections and archival repositories throughout the state and the California Digital Library (CDL). Grant objectives included processing of more than 33 hidden collections related to the state's environment and environmental history. The collections document an array of important sub-topics such as irrigation, mining, forestry, agriculture, industry, land use, activism, and research. Together they form a multifaceted picture of the natural world and the way it was probed, altered, exploited and protected in California over the twentieth century. Finding aids are made available through the Online Archive of California (OAC).

The June 2012 acquisition was processed by Audra Eagle Yun, Alix Norton, and Deborah Lewis in 2012-2013.

**Processing Information**

In order to expedite access to the collection, it was minimally processed. See series-level notes for more information.

**Biography**

F. Sherwood Rowland was the Donald Bren Research Professor of Chemistry in Earth System Science at the University of California, Irvine, beginning at UCI as a founding faculty member in 1964 and continuing as a professor and researcher until 2012. In 1995, he shared the Nobel Prize in chemistry with Mario Molina and Paul Crutzen, "for their work on atmospheric chemistry, particularly concerning the formation and decomposition of ozone." Rowland, a specialist in atmospheric chemistry and radiochemistry, has authored or co-authored more than 430 scientific publications. He has been

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internationally recognized with numerous awards and honors, not only for his groundbreaking work in the laboratory, but also for his efforts to inform other scientists, the public, and policymakers about threats posed by chemical pollutants to earth's atmosphere.

In 1974, Rowland was, with Molina (at the time a postdoctoral research associate at UC Irvine), the first to warn that chlorofluorocarbons (CFCs) released into the atmosphere were depleting earth's critical ozone layer. Research on CFCs and stratospheric ozone eventually led in the 1970s to legislation in the United States, Canada, and Scandinavia regulating the manufacture and use of CFCs, and in 1987 to the Montreal Protocol of the United Nations Environment Programme, the first agreement for controlling and ameliorating environmental damage to the global atmosphere. The terms of the Montreal Protocol were strengthened in 1992 to attain a complete elimination of further CFC production by the year 1996. Measurements in the atmosphere have confirmed that CFC emissions on a global scale have essentially stopped.

Rowland was born on June 28, 1927, in Delaware, Ohio, to parents Sidney A. Rowland, a mathematics professor at Ohio Wesleyan University, and Margaret Lois Rowland (née Drake). After graduating from high school in 1943 at the age of 16, he enrolled at Ohio Wesleyan. Two years later, when he was 18, he enlisted in a Navy program to train radar operators. He was in basic training when World War II ended, but he served in the military for two additional years before returning to Ohio Wesleyan, graduating in 1948. He then began graduate study in the Department of Chemistry at the University of Chicago, where he earned his master's and doctoral degrees under the direction of Willard Libby, 1960 winner of the Nobel Prize in chemistry. Throughout his college, military, and postgraduate years Rowland participated in competitive sports, excelling in both baseball and basketball; he spent two summers playing semi-professional baseball in Ontario.

In 1952 Rowland finished his Ph.D. and accepted a position as instructor in the Department of Chemistry at Princeton University. That year he also married Joan Lundberg, and in 1953 they had a daughter, Ingrid, and in 1955, a son, Jeffrey. Summers from 1953 to 1955 were spent at Brookhaven National Laboratory, where Rowland's research focused on hot-atom chemistry. In 1956, he accepted an assistant professorship at the University of Kansas where he ran a laboratory conducting research in radiochemistry, rising through the ranks until his promotion to full professor in 1963. The following year he was recruited by the University of California Irvine, to serve as the first chair of the Department of Chemistry.

In 1970 he retired from the chairmanship and began to shift the focus of his research toward atmospheric chemistry and environmental issues, the latter a reflection of cultural influences and the concerns of his own family. Eventually, he and postdoctoral research associate Molina began an investigation of the fate of CFCs in earth's atmosphere, and in 1974 they published their first research article on the subject. Their findings, that the release of CFCs into earth's atmosphere depletes the ozone layer, immediately drew widespread scholarly and media attention. Proposals for laws to limit the manufacture of CFCs, starting with a ban on CFCs as aerosol propellants in consumer products, drew steep resistance from chemical manufacturers who challenged the CFC theory of ozone depletion. For the next three decades, Rowland was at the center of the controversies surrounding not only CFCs and ozone depletion, but also global climate change, serving as a frequent spokesperson on these atmospheric environmental problems in both broadcast and print media. He continued to run the Rowland-Blake Laboratory at UC Irvine with his research partner, Donald Blake, until his death in 2012.

Rowland's professional activities included serving as the foreign secretary of the National Academy of Sciences from July 1994 to June 2002. In 1995, he created, with Professor Prakesh Tandon of India, the InterAcademy Panel, a global network of the world's science academies, now representing more than 100 academies. He is also a member of the American Academy of Arts and Sciences, the American Philosophical Society, and the Institute of Medicine. Beginning in 1991, Rowland served successive one-year terms as president-elect, president, and chairman of the board of the American Association for the Advancement of Science, the publishers of *Science Magazine*.

F. Sherwood Rowland passed away on March 10, 2012.

1927	Born June 28 in Delaware, Ohio
1943	Graduates from high school before 16th birthday and enrolls in Ohio Wesleyan University in the fall
1945	Enlists in training program for Navy radar operators
1948	B.A., Ohio Wesleyan University
1951	M.S., University of Chicago
1952	Marries Joan Lundberg Ph.D., University of Chicago
1952-1956	Instructor in Chemistry, Princeton University
1953-1955	Visiting Scientist, Brookhaven National Laboratory (summers)
1956-1963	Assistant, Associate, and Full Professor of Chemistry, University of Kansas
1962	Visiting Scientist, Max Planck Institute, Mainz (January-June)
1964-1970	Professor and Chairman of Chemistry, University of California, Irvine
1964-1994	Professor of Chemistry, University of California, Irvine
1969	Visiting Scientist, International Atomic Energy Agency, Vienna (January-June)

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- 1973 Mario Molina joins Rowland's research team as a postdoctoral research associate  
1974 Visiting Scientist, International Atomic Energy Agency, Vienna (January-June)  
1974 Publication of "Stratospheric sink for chlorofluorocarbons; chlorine atom catalyzed destruction of ozone," in Nature, co-authored with Mario Molina  
1975 Orange County Award, American Chemical Society  
1975 J. W. Jones Prize, Rochester Institute of Technology  
1976 Tolman Medal, American Chemical Society  
1977 Member, American Academy of Arts and Sciences  
1977 Billard Award, New York Academy of Sciences  
1978 Member, National Academy of Sciences  
1978 The use of chlorofluorocarbons as a propellant gas is banned in the U.S.  
1979 Szilard Award, American Physical Society  
1980 E. F. Smith Lectureship, American Chemical Society  
1980 Zimmerman Award, American Chemical Society  
1980 Visiting Scientist, Japan Society for Promotion of Science  
1981 Visiting Scientist, Technical University Munich (January-October)  
1981 Humboldt Fellow, Senior Scientist, Federal Republic of Germany (Munich)  
1983 Environmental Science and Technology Award, American Chemical Society  
1983 Tyler World Prize in Ecology and Energy and the Award for Creative Advances in Environmental Science and Technology of the American Chemical Society (with Mario Molina)  
1985 "Hole" in the ozone layer is reported by British scientists  
1985-1989 Daniel G. Aldrich, Jr., Professor of Chemistry, University of California Irvine  
1987 Montreal Protocol on Substances That Deplete the Ozone Layer adopted  
1987 Esselen Award, American Chemical Society  
1987 Charles A. Dana Award for Pioneering Achievements in Health  
1988 Global 500 Role of Honour for Environmental Achievement, United Nations Environment Programme  
1989 Montreal Protocol ratified by 29 countries and the EEC  
1989 UCI Medal  
1989 Silver Medal, Royal Institute of Chemistry, United Kingdom  
1989 Japan Prize in Environmental Science and Technology  
1989-1994 Donald Bren Professor of Chemistry and Earth System Science, UC Irvine  
1991 Dickson Prize, Carnegie-Mellon University  
1991-1993 Successive one-year terms as President-Elect, President, and Chairman of the Board of the American Association for the Advancement of Science  
1993 Robertson Memorial Lecture, National Academy of Sciences  
1993 Peter Debye Medal in Physical Chemistry, American Chemical Society  
1994 Member, Institute of Medicine, National Academy of Sciences  
1994- Donald Bren Research Professor of Chemistry and Earth System Science, UC Irvine  
1994 Roger Revelle Medal, American Geophysical Union  
1994 Albert Einstein Prize, World Cultural Council  
1994-2002 Foreign Secretary, National Academy of Sciences  
1995 Member, American Philosophical Society  
1996 Honorary Lifetime Member, Ozone Commission, International Association of Meteorology and Atmospheric Physics (IAMAP)  
1997 Alumni Medal, University of Chicago  
1997 Nevada Medal  
1995 Nobel Prize in Chemistry (with Mario Molina and Paul Crutzen)  
1995-2000 Founding Co-chair (with P. N. Tandon, India) Inter-Academy Panel (IAP) on International Issues  
2000 CoSIDA Academic All-America Hall of Fame  
2003 Gold Medal, Academy of Athens  
2004 Member, Academia Bibliotheca Alexandrina  
2004 Foreign Member, Royal Society (U.K.)  
2006 Chemical Breakthrough Award, American Chemical Society (with Mario Molina)  
2012 Died March 10 in Corona Del Mar, California

**Collection Scope and Content Summary**

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This collection documents F. Sherwood Rowland's professional career in radiochemistry and atmospheric science. Included are materials documenting his research; awards including the Nobel Prize in chemistry (1995); professional service; and his global efforts to educate the public and policymakers about stratospheric ozone depletion, global climate change, and related environmental issues. Materials document the public controversies surrounding the CFC theory of ozone depletion and efforts to establish international agreements, including the Montreal Protocol, to ban CFC production. Also documented is Rowland's tenure as the foreign secretary of the National Academy of Sciences (1994-2002) and his role as co-founder of the InterAcademy Panel on International Issues, a global network of scientific academies. Leadership roles in other organizations, notably the American Association for the Advancement of Science, are also documented. A small amount of personal and family papers is also included.

Forms of materials include more than 150 audio and video recordings, primarily of Rowland's broadcast appearances, lectures, and testimony before legislative bodies; lengthy recorded interviews that were never broadcast; manuscripts of published and unpublished writings and speeches; reports and report drafts; correspondence; clippings; notes; meeting and committee materials; photographs; award certificates, plaques, and honorary diplomas; ephemera including posters; digital items including research and lecture materials; and research materials for both scientific research on atmospheric science and background research on global environmental issues and policy.

### **Collection Arrangement**

This collection is arranged in 16 series:

- Series 1. Biographical materials, 1933-2005, 0.4 linear feet
- Series 2. Personal and family papers, 1950-2009, 1.2 linear feet
- Series 3. College and early professional papers, 1947-1967, 0.8 linear feet
- Series 4. Correspondence, 1961-2008, 17.8 linear feet
- Series 5. Scholarly writings, 1954-2009, 7.0 linear feet
- Series 6. Research, 1934-2006, 33.67 linear feet
- Series 7. Notes, 1968-2008, 2.0 linear feet
- Series 8. Media and publicity materials, 1972-2007, 12.68 linear feet
- Series 9. Professional activities, 1975-2009, 35.5 linear feet
- Series 10. Speaking engagements and meetings, 1958-2009, 25.67 linear feet
- Series 11. General subject files and collected literature, 1956-2007, 17.0 linear feet
- Series 12. Awards and honors, 1974-2009, 5.25 linear feet
- Series 13. University of California, Irvine files, 1964-2009, 4.27 linear feet
- Series 14. Visual materials, 1964-2006, 11.06 linear feet
- Series 15. Plaques and other artifacts, 1989-2008, 3.67 linear feet
- Series 16. June 2012 acquisition, 1950-2012, 26.8 linear feet

Unless otherwise noted in the series and subseries descriptions, the arrangement scheme for the collection was imposed during processing in the absence of a usable original order. Most materials were found loose and were filed during processing. Within folders, materials are generally in no order but related materials are sleeved together.

### **Appraisal Note**

Separated materials include clippings/tear-outs that contained multiple articles and could not be filed by topic; issues of some publications including *Extra!* (Fairness and Accuracy in Reporting), *Columbia Journalism Review*; and some publications of professional societies. Also not retained were tax records, financial records, travel expense reports and receipts, tourism materials, medical records, and opera ephemera including programs and ticket stubs.

### **Subjects and Indexing Terms**

Nobel Prize winners -- Archives  
Ozone-depleting substances  
Ozone layer depletion  
Chemists  
Environmental policy  
Communication in science  
Physical scientists  
Video recordings -- 20th century.

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Global warming -- Research  
Video recordings -- 21st century  
University of California, Irvine -- Faculty -- Archives  
Uncovering California's Environmental Collections Project  
Rowland, F.S. -- Archives

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**Biographical materials** Series 1. **1933-2005 1980-2004**

**Physical Description:** 0.4 Linear Feet(1 box)

**Series Scope and Content Summary**

This series includes photocopies of curricula vitae, publication lists, newspaper clippings (1933-1951), and an oral history interview transcript. Published profiles of Rowland can be found in Series 8.

**Arrangement**

The arrangement is alphabetical.

box 1, folder 1  
box 1, folder 2-3  
box 1, folder 4

**Academic genealogy, 2001-2004**

**Biographies and profiles, 1982-2005**

**Clippings (photocopies), 1933-1951**

**Scope and Contents**

Includes clippings of articles about Rowland and his family members.

box 1, folder 5-8  
box 1, folder 9

**Curricula vitae and publication lists, 1980-2004**

**Oral history interview transcript, 1993 December 2**

**Scope and Contents**

Interview conducted by Joseph B. Engelke.

box 1, folder 10

**Who's Who reference publications: biographical sketch data forms, circa 1991-2003**

**Personal and family papers** Series 2. **1950-2009**

**Physical Description:** 1.2 Linear Feet

**Series Scope and Content Summary**

This series includes correspondence with family, travel and expense summaries, charitable contributions summaries, alumni documents, photographs, and some genealogical materials including a historical videotape about Delaware, Ohio. Included are materials pertaining to his daughter Ingrid Drake Rowland, a professor of Classics at the Notre Dame University School of Architecture, Rome (since 2005).

**Arrangement**

The arrangement is alphabetical.

box 2, folder 1  
box 2, folder 2-6  
box 2, folder 7-9  
box 2, folder 10  
box 2, folder 11,  
box 3, folder 1-4  
box 3, folder 5  
box 3, folder 6

**Basketball, college, high school: rules for officiating, 1953-1954**

**Calendars and appointment books, 1953-1967, 1987-2002**

**Charitable contributions, 1988-1996, 2000-2003**

**Correspondence and other materials, 1961-1992, undated**

**Expense summaries, travel, 1980-2006**

**Family correspondence and related materials, 1959-1994**

**Frequent flyer cards, 2007-2008**

**Delaware History Club (Delaware, Ohio) video, *Delaware's Past*, undated**

**Scope and Content Summary**

Sidney A. Rowland (circa 1934) appears at approximately minute 6.

<p>box AV-010, item D089-A</p>	<p><b>Archival original</b></p> <p><b>Physical Description:</b> 1 video cassette (VHS) (11 minutes): sound, black and white.</p> <p><b>Access</b></p> <p>Archival original is restricted.</p>
<p>box AV-021, item D089-U</p>	<p><b>Use copy</b></p> <p><b>Physical Description:</b> 1 videodisc (DVD) (11 minutes) : sound, black and white.</p>
<p>box AV-022, item D089-M</p>	<p><b>Duplicating master copy</b></p> <p><b>Physical Description:</b> 1 videodisc (DVD) (11 minutes) : sound, black and white.</p>
<p>box 3, folder 7 box 3, folder 8 box 3, folder 9</p>	<p><b>Genealogical research, 2000-2003</b></p> <p><b>Identification cards, 1974-1975, undated</b></p> <p><b>Ohio Wesleyan University, alumni, 1992-2003</b></p>
<p>box 3, folder 10</p>	<p><b>Opera</b></p> <p><b>Correspondence and other materials, 1995-2005</b></p> <p><b>Rossini concert, Lincoln Center for the Performing Arts, New York, NY: Video recording (Los Angeles: KCTE), 1992 March 2</b></p> <p><b>Scope and Content Summary</b></p> <p>Rowland and Joan Rowland are seen seated in the front row.</p> <p><b>Physical Characteristics and Technical Requirements</b></p> <p>Poor recording quality. Recording ends before the end of the concert.</p>
<p>box AV-010, item D091-A</p>	<p><b>Archival master</b></p> <p><b>Physical Description:</b> 1 video cassette (VHS) (102 minutes): sound, color.</p> <p><b>Access</b></p> <p>Archival original is restricted.</p>
<p>box AV-021, item D091-U</p>	<p><b>Use copy</b></p> <p><b>Physical Description:</b> 1 videodisc (DVD) (102 minutes) : sound, color.</p>
<p>box AV-022, item D091-M</p>	<p><b>Duplicating master copy</b></p> <p><b>Physical Description:</b> 1 videodisc (DVD) (102 minutes) : sound, color.</p>
<p>box 287, folder 6</p>	<p><b>Photographs of early life and family circa 1930-1974</b></p> <p><b>Scope and Contents</b></p> <p>Included are oversized photographs of Rowland as a child and young adult. (Also included in this folder are photographs with Mario Molina in the laboratory at UC Irvine.)</p>
<p>box 260, folder 1-4</p>	<p><b>1950-1980</b></p>
<p>box 260, folder 5 box 4, folder 1-2, box 3, folder 11-14</p>	<p><b>2008-2009 and undated</b></p> <p><b>Rowland, Ingrid: abstracts, correspondence, news clippings, 1970-2006, undated</b></p> <p><b>General</b></p> <p>Also includes manuscripts and awards</p>
<p>box 4, folder 3-6</p>	<p><b>Rowland, Ingrid: <i>Correspondence of Agostino Chigi</i>, manuscript of critical edition, 1988</b></p>
<p>box 4, folder 7 box 4, folder 8 box 4, folder 9 box 4, folder 10</p>	<p><b>Rowland, Ingrid: <i>Hieros Aner</i> thesis, 1980</b></p> <p><b>Rowland, Joan: correspondence, news clippings, 1970-1996</b></p> <p><b>Rowland, Ruth: will and related family correspondence, 1966</b></p> <p><b>Rowland, Sidney: short story, 1954</b></p>

box 4, folder 11

**University of Chicago, alumni, 2002-2003**  
**College and early professional papers Series 3. 1947-1967**

**Physical Description:** 0.8 Linear Feet

**Series Scope and Content Summary**

This series is comprised of materials collected from Rowland's college and early professional career at Ohio Wesleyan, University of Chicago, Princeton University, and University of Kansas. Included are his examination books, lab reports, notes, data, conference materials, photographs, and correspondence.

**Arrangement**

The arrangement is alphabetical.

box 5, folder 1  
 box 5, folder 2  
 box 5, folder 3  
 box 5, folder 4-5  
 box 5, folder 6  
 box 5, folder 7  
 box 5, folder 8  
 box 5, folder 9

**Advanced Calculus notebook, 1947**  
**Chemistry notebook, 1947**  
**Chemistry 204, notes, undated**  
**Chemistry 305: nuclear and radiochemistry, notes, 1960**  
**Chemistry 306: schedule, notes, 1954**  
**Chemistry 365: reports, notes, data, undated**  
**Commencement programs, course materials, data, 1947-1948**  
**Department of Chemistry, University of Kansas: newsletters and other materials, 1958-1967**  
**Examination books, 1949**  
**Gordon Research Conference, nuclear chemistry, photograph, 1954**  
**Guggenheim Fellowship, 1961-1962**  
**Heat and Mechanics course: lab reports, 1947**  
**Libby, W.F.: offprints, 1947-1951**  
**Notes and clippings, 1954**  
**Physical Chemistry course notes, 1947**  
**Pure mathematics, undated**  
**Radiation chemistry course notes, circa 1956-1964**  
**Seminars, notes, undated**  
**Statistics 352: notes, 1951**  
**Travel materials, 1959**

box 6, folder 1  
 box 6, folder 2  
 box 6, folder 4  
 box 6, folder 5  
 box 6, folder 6  
 box 6, folder 7  
 box 6, folder 8  
 box 6, folder 9  
 box 6, folder 10  
 box 6, folder 11  
 box 6, folder 12  
 box 6, folder 13

**Correspondence Series 4. 1961-2008**

**Physical Description:** 17.8 Linear Feet

**Series Scope and Content Summary**

This series is comprised of correspondence that was not filed in other series. Included is correspondence from colleagues in the U.S. and around the world in reference to Rowland's professional activities, research, and advocacy. Also included is correspondence with U.S. senators, other government officials, reporters, and the general public. Forms and types of correspondence include letters, faxes, printed emails, telephone messages, received manuscripts, notes addressed to Rowland (including notes accompanying reading material), research inquiries, event invitations, requests for article edits, requests for autographs, and received press releases. Also includes manuscripts received and business cards received.

**Arrangement**

The arrangement is chronological. The correspondence for a given year begins with folders for that year generally, and these are followed by folders representing individual months. General correspondence is followed by manuscripts received and business cards collected.

**Processing Note**

Some of the correspondence arrived in the archives filed by month, and this arrangement was retained. Correspondence that was found loose was filed by year only, and materials are in no order within folders. If materials for a given year comprise less than one box, then the number of folders is indicated. If materials for a given year span more than one box, all boxes that contain any materials for that year are listed for that year.

box 7, folder 1  
 box 7, folder 2-4

**1961**  
**1962**

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box 7, folder 4-5	<b>1963</b>
box 7, folder 6-7	<b>1964</b>
box 7, folder 8-9	<b>1965</b>
box 7,	<b>1966</b>
folder 10-11	
box 7,	<b>1967</b>
folder 12-13	
box 7,	<b>1968</b>
folder 14-15	
box 7,	<b>1970</b>
folder 18-19,	
box 287, folder 7	
	<b>Scope and Content Note</b>
	An oversized greeting card (circa 1970?) is located in box 287, folder 7.
box 7,	<b>1971</b>
folder 20-21	
box 7,	<b>1972</b>
folder 22-23	
box 7, folder 24	<b>1973</b>
box 8	<b>1974</b>
box 8, box 9	<b>1975</b>
box 9	<b>1976</b>
box 10	<b>1977</b>
box 11, folder 1-4	<b>1978</b>
box 11,	<b>1979</b>
folder 5-17	
box 11,	<b>1980</b>
folder 18-30	
box 12,	<b>1981</b>
folder 1-12	
box 12,	<b>1982</b>
folder 13-26	
box 12, box 13	<b>1983</b>
box 13, box 14	<b>1984</b>
box 14, box 15	<b>1985</b>
box 15, box 16	<b>1986</b>
box 17, box 18,	<b>1987</b>
box 19	
box 19, box 20,	<b>1988</b>
box 21, box 22	
box 22, box 23,	<b>1989</b>
box 24	
box 24, box 25,	<b>1990</b>
box 26	
box 26, box 27,	<b>1991</b>
box 28, box 29,	
box 30	
box 30, box 31,	<b>1992</b>
box 32	
box 32, box 33,	<b>1993</b>
box 34	
box 35, box 36	<b>1994</b>
box 36, box 37,	<b>1995</b>
box 38	
box 38, box 39,	<b>1996</b>
box 40	
box 40, box 41	<b>1997</b>
box 41, box 42	<b>1998</b>

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box 42, box 43, box 44	<b>1999</b>
box 44, box 45	<b>2000</b>
box 45, box 46	<b>2001</b>
box 46, box 47	<b>2002</b>
box 47, folder 3-6	<b>2003</b>
box 47, box 48	<b>2004</b>
box 48, folder 2-3	<b>2005</b>
box 48, folder 4-5	<b>2006</b>
box 48, folder 6	<b>2007</b>
box 48, folder 7	<b>2008</b>
box 48, folder 8-10	<b>undated</b>

**Manuscripts received**

box 49, folder 1-5	<b>1981-1993</b>
box 50	<b>1994-2000</b>
box 51, folder 1	<b>2001</b>
box 51, folder 2	<b>2005</b>
box 51, folder 3	<b>undated</b>
box 51, folder 4	

**Business cards received 1989-2000 and undated****Scholarly writings Series 5. 1954-2009****Physical Description:** 7 Linear Feet**Series Scope and Content Summary**

This series is comprised primarily of manuscripts and offprints of articles authored or co-authored by Rowland for scholarly journals. Also included are some manuscripts and abstracts for conference presentations and lectures as well as a small number of reviewers' reports on manuscript and related materials. A few files contain related materials such as correspondence and research material.

**Arrangement**

This series is arranged in 2 subseries:

Subseries 5.1. Manuscripts

Subseries 5.2. Published research articles

**Processing Note**

A few of the manuscript fragments have not been definitively identified as the work of Rowland and may be manuscripts sent to him by colleagues. When files were found containing primarily data and background research materials along with a smaller amount of manuscript material, these were generally filed in Series 6.

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**Manuscripts Subseries 5.1****Arrangement**

Arrangement is chronological by year. Within a given year, materials are in no order.

box 51, folder 5	<b>1954</b>
box 51, folder 6-7	<b>1961-1962</b>
box 51, folder 8	<b>1964</b>
box 51, folder 9	<b>1965</b>
box 51, folder 10	<b>1967</b>
box 51, folder 11-12	<b>1968</b>
box 51, folder 13	<b>1969</b>
box 52, folder 1-2	<b>1970</b>
box 52, folder 3-4	<b>1971</b>
box 52, folder 5	<b>1972</b>
box 52, folder 6	<b>1973</b>

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box 52, folder 7	<b>1974</b>
box 52, folder 8	<b>1975</b>
box 52, folder 9	<b>1976</b>
box 52, folder 10	<b>1977</b>
box 53, folder 1-3	<b>1978</b>
box 53, folder 4	<b>1979</b>
box 53, folder 5	<b>1980</b>
box 53, folder 6-8	<b>1981</b>
box 54, folder 1-2,	<b>1982</b>
box 53, folder 9	
box 54, folder 3	<b>1983</b>
box 54, folder 4-7	<b>1984</b>
box 54, folder 8,	<b>1985</b>
box 55, folder 1	
box 55, folder 2-3	<b>1986</b>
box 55, folder 4-5	<b>1987</b>
box 56, folder 1,	<b>1988</b>
box 55, folder 6-9	
box 56, folder 2	<b>1989</b>
box 56, folder 3-4	<b>1990</b>
box 56, folder 5-7	<b>1991</b>
box 57, folder 1-2,	<b>1992</b>
box 56, folder 8	
box 57, folder 3-4	<b>1993</b>
box 57, folder 5-6	<b>1994</b>
box 58, folder 1-3	<b>1995</b>
box 58, folder 4-6	<b>1996</b>
box 58, folder 7	<b>1997</b>
box 59, folder 1-4	<b>1998</b>
box 59, folder 5-6	<b>1999</b>
box 60, folder 1-5,	<b>2000</b>
box 61, folder 1-3	
box 61, folder 4-6,	<b>2001</b>
box 62, folder 1-3	
box 62, folder 4-5,	<b>2002</b>
box 63, folder 1-3	
box 63, folder 4-8	<b>2003</b>
box 64, folder 1-2	<b>2004</b>
box 64, folder 3-7	<b>2005</b>
box 65, folder 1-3	<b>2006</b>
box 65, folder 4	<b>2007</b>
box 65, folder 5	<b>2008</b>
box 65, folder 6	<b>2009</b>
box 66, folder 1-3,	<b>undated</b>
box 65, folder 7-8	
box 66, folder 4	<b>Reviews and comments on peers' writings, 1971-1988 and undated</b>

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**Published research articles** Subseries 5.2**Arrangement**

Arrangement is chronological by year. Within a given year, materials are in no order.

box 66, folder 5	<b>1955</b>
box 66, folder 6	<b>1959</b>
box 66, folder 7	<b>1960</b>
box 66, folder 8	<b>1961</b>
box 66, folder 9	<b>1962</b>
box 66, folder 10	<b>1966</b>

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box 66, folder 11	<b>1968</b>
box 66, folder 12	<b>1970</b>
box 67, folder 1-6	<b>1972-1979</b>
box 67, folder 7-8	<b>1981-1983</b>
box 67, folder 9-15	<b>1985-1993</b>
box 68, folder 1-13	<b>1994-2006</b>

**Research Series 6. 1934-2006 1956-2006****Physical Description:** 33.67 Linear Feet**Series Scope and Content Summary**

This series comprises notebooks, subject files, data, and other materials relating to Rowland's research. Included are notebooks from his research laboratories at the University of Kansas, Lawrence, and the University of California, Irvine. Also included are correspondence and other materials from the Rowland-Blake Group (formerly the Rowland Group) at the University of California, Irvine, and files related to their NASA projects and other research projects. Miscellaneous data, scientific literature, subject files on research conducted in the laboratories, and a small number of video recordings are also included.

**Arrangement**

This series is arranged in 6 subseries:

1. Subseries 6.1. Laboratory notebooks
2. Subseries 6.2. University of California, Irvine, laboratory files
3. Subseries 6.3. Data, miscellaneous
4. Subseries 6.4. Scientific literature
5. Subseries 6.5. Subject files
6. Subseries 6.6. Video recordings

**Laboratory notebooks** Subseries 6.1**Scope and Content Summary**

Included are notebooks from Rowland's laboratories at the University of Kansas, Lawrence, and the University of California, Irvine. Mario Molina's notebooks documenting the discovery of the effects of CFCs on ozone depletion (circa 1974) are not included in the Rowland papers.

**Arrangement**

Arrangement is chronological. Notebooks, and boxes, have overlapping date ranges.

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box 69	<b>1956-1961</b>
box 70	<b>1959-1964</b>
box 71	<b>1962-1968</b>
box 72	<b>1964-1967</b>
box 73	<b>1967-1970</b>
box 74	<b>1969-1974</b>
box 75	<b>1972-1976</b>
box 76	<b>1975-1986</b>
box 77	<b>1986-1998 and undated</b>

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**University of California, Irvine, laboratory files Subseries 6.2****Historical Background**

The Rowland-Blake Group at UC Irvine began as the Rowland Group. In 1978 Professor Donald R. Blake joined Rowland's research group as a graduate student. In 1984 Blake graduated with his Ph.D. in Chemistry and stayed on as a postdoctoral researcher before joining the faculty at UC Irvine.

**Scope and Content Summary**

This subseries is comprised of materials related to chemistry research conducted by the Rowland-Blake Group at the University of California, Irvine. Included are correspondence, scholarly work, and other materials created by group members and collaborators; research reports; funding proposals and reports; and some data and other documentation relating to the group's research projects.

**Arrangement**

This subseries is arranged in 3 sections:

Correspondence and other materials

Funding proposals and reports

Project data and related materials

Each section is arranged alphabetically by subject, funding agency, or project, and chronologically thereunder.

**Correspondence, reports, and other materials**

box 78, folder 1-5  
box 78, folder 6  
box 78, folder 7  
box 78, folder 8

box 79,  
folder 1-10,  
box 80, folder 1-8  
box 80,  
folder 9-15

box 80, folder 16  
box 80, folder 17  
box 80, folder 18  
box 81, folder 1  
box 81, folder 2  
box 81, folder 3-4  
box 81, folder 5  
box 81, folder 6  
box 81, folder 7-9  
box 81, folder 10,  
box 82, folder 1  
box 82, folder 2  
box 82, folder 3  
box 82, folder 3  
box 82, folder 5  
box 82, folder 6  
box 82, folder 7  
box 82, folder 8  
box 83, folder 1-2,  
box 82, folder 9  
box 83, folder 3-5  
box 83, folder 6  
box 83, folder 7  
box 83, folder 8

**Blake, Donald 1984-2005****Blake, Nicola, 1994-2000****Chen, Tai, 1988-1989****Chou, Chun-chao, 1968****Correspondence, general,  
circa 1960-1999****2000-2006****undated****Curricula vitae of group members, 2002****Data gathering, 1976-1993****Data gathering technologies: promotional materials, circa 1992-1993****Directories of group members, 1995-2001****Elliott, Scott, circa 1984-1994****Financial summaries, 1998-2003****Gilpin, Timothy Michael, 1991****Harris, Neil, circa 1984-1989****Kushner, Richard, 1969****Lab reports, 1976, 1991****Makide, Yoshihiro, 1978-1982****Mayer, Edward William, 1982****McGrath, Mark, circa 1992****National Center for Atmospheric Research, 1986****Nuclear reactor facility and laboratory, 1980-2000****Institutional Collaborative Research Program, 1994****Nuclear reactor facility operations manual, safety analysis, and safety manual,****Photographs, 1984 and undated****Project descriptions and reports, circa 1991, 2000-2006, and undated****Publicity, 1992, 2003****Rogers, Patricia, 1981**

box 83,  
folder 9-11  
box 83, folder 12  
box 83, folder 13

**Sakai, Yoichi, 1982-1990****Simpson, Isobel, 2005-2006  
Tyler, Stanley, 1981****Funding proposals and reports****Arrangement**

General files, which include funding materials from various agencies, are listed first, followed by files arranged alphabetically by funding agency. Files are arranged chronologically thereunder.

**Processing Note**

In order to expedite processing, some materials were left in original folders or descriptive information was carried over from original folders. As a result, in some cases dates represent the full range of years of a particular research activity and in other cases may represent the year the funding proposal was submitted or a report was submitted. Dates and chronological arrangement are thus approximated.

box 84, folder 1-7  
box 84, folder 8  
box 84, folder 9  
box 84, folder 10  
box 84,  
folder 11-12  
box 84,  
folder 13-28  
box 84,  
folder 29-33  
box 84, folder 34  
box 84, folder 35  
box 84, folder 36  
box 85, folder 1-2  
box 85,  
folder 3-24  
box 85,  
folder 25-31  
box 85, folder 32  
box 85,  
folder 33-34  
box 85,  
folder 35-48  
box 85, folder 49  
box 85, folder 50  
box 85, folder 51

**General, 1976-2004****Air Force Office of Scientific Research, 1983-1984****Air Resources Board, 1996****Argonne National Laboratory, 1994****Atomic Energy Commission, 1971-1973****Department of Energy, 1978-2002****Environmental Protection Agency, 1977-1998****Federal Aviation Administration, 1980-1981****Femtometrics, 1992-1995****Institute of Geophysics and Planetary Physics, 1974-1982****Keck Foundation, 1991-1993****National Aeronautics and Space Administration, 1982-2000****National Institute for Global and Environmental Change, 1993-2002****National Institutes of Health, 2003****National Oceanic and Atmospheric Administration, 1981****National Science Foundation, 1977-2001****University of California, 1985-1986****University of Iowa, 1994-1996****University of Washington, 1995-1996****Project data and related materials****Scope and Content Summary**

Includes flight data, other data, plans, and some other materials related to projects undertaken to better understand human impacts on the composition and chemistry of the global troposphere. Included are projects of the National Aeronautics and Space Administration's Global Tropospheric Experiment (GTE) as well as other experiments and projects. Versions of the following projects are represented: Airborne Arctic Stratospheric Expedition (AASE), Atmospheric Boundary Layer Experiment (ABLE), Aerosol Characterization Experiment (ACE), Atlantic and Stratocumulus Transition Experiment (ASTEX), First ISCCP Regional Experiment (FIRE), Intercontinental Chemical Transport Experiment (INTEX), Pacific Exploratory Mission (PEM), Subsonic Assessment, Ozone and Nitrogen Oxide Experiment (SONEX), Tropospheric Ozone Production about the Spring Equinox (TOPSE), and Transport and Atmospheric Chemistry near the Equator in the Atlantic (TRACE-A).

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box 86, folder 1-40, box 87, folder 1-23	<b>AASE I and AASE II, 1988-1992</b>
box 87, folder 24-42, box 88, folder 1-2 box 88, folder 3-4 box 88, folder 5 box 88, folder 6-13 box 94, folder 1-28 box 92, folder 1-33 box 88, folder 14-17 box 88, folder 18-21 box 88, folder 22-24 box 88, folder 25-31 box 89, folder 1-6, box 88, folder 32-35 box 90, folder 1-29, box 89, folder 7-64 box 90, folder 30-31 box 90, folder 32 box 91, folder 1-33, box 90, folder 33-40 box 91, folder 34 box 93, folder 1-21	<b>ABLE 3A and ABLE 3B, 1988-1992</b>  <b>ACE I, 1995</b> <b>Airborne Antarctic Ozone Experiment, 1987</b> <b>ASTEX/FIRE, 1990-1996</b>  <b>California fires, 1992</b>  <b>Chlorine and freon data printouts, 1976</b>  <b>GTE (general), 1988-1997</b>  <b>Global Trace Gas Monitoring, 1988-1993</b>  <b>INTEX-NA, 2005</b>  <b>PEM Tropics, 1996-1999</b>  <b>PEM West-A, 1990-1993</b>   <b>PEM West-B, 1994</b>   <b>SONEX, 1997</b>  <b>TOPSE, 2000</b> <b>TRACE-A, 1992-1993</b>   <b>TRACE-P, 2002</b> <b>Unidentified data printouts, 1992</b>

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**Data, miscellaneous** Subseries 6.3

**Scope and Content Summary**

Comprised of miscellaneous data in various formats including visualized data in the form of charts and graphs as well as some figures on transparencies.

**Arrangement**

Arrangement is chronological by year. Within each folder, materials are in no order. Some folders have overlapping date ranges.

**Processing note**

Data in this subseries were primarily that found loose throughout Rowland's papers. These loose materials were filed by approximate date; when the date of the creation of the document was not discernable, the latest date reflected in the data was often used.

box 94, folder 29-45	<b>1964-1974</b>
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box 95, folder 1-39	<b>1972-1984</b>
box 96, folder 1-33	<b>1984-1989</b>
box 97, folder 1-20	<b>1989-1993</b>
box 98, folder 1-28	<b>1993-2006 and undated</b>
box 287, folder 1	<b>Oversized materials, 1972-1994 and undated</b>

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**Scientific literature** Subseries 6.4**Scope and Content Summary**

This subseries is comprised of scholarly research articles on topics of interest to Rowland in his research on atmospheric chemistry, including chlorofluorocarbons and their effects on stratospheric ozone depletion.

**Arrangement**

Arrangement is chronological by year. Within folders, materials are in no order.

box 98, folder 29-39	<b>1934-1967</b>
box 99, folder 1-29	<b>1968-1993</b>
box 100, folder 1-17	<b>1993-2006 and undated</b>

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**Video recordings** Subseries 6.6**Access**

Archival originals are restricted.

**Scope and Content Summary**

This subseries includes three videotapes about research in the Rowland-Blake lab or about atmospheric chemistry research more generally.

**ABLE-3b: *Global Greenhouse Expedition (2nd segment)*. NASA, circa 1990**  
**Archival original**

box AV-017,  
item D139-A

**Physical Description:** 1 video cassette (VHS) (14 minutes): sound, color.

**Use copy**

box AV-021,  
item D139-U

**Physical Description:** 1 videodisc (DVD) (14 minutes) : sound, color.

**Duplicating master copy**

box AV-022,  
item D139-M

**Physical Description:** 1 videodisc (DVD) (14 minutes) : sound, color.

**NASA's DC-8 *Flying Laboratory* and video footage of Donald Blake in a field laboratory, circa 1992****Scope and Content Summary**

Video recording also includes some television news programming.

**Archival original**

box AV-002,  
item D014-A

**Physical Description:** 1 video cassette (VHS) (121 minutes): sound, color

**Use copy**

box AV-021,  
item D014-U

**Physical Description:** 1 videodisc (DVD) (121 minutes) : sound, color.

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box AV-022, item D014-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (121 minutes) : sound, color.
	<b><i>Perseus Initial Flight Tests, El Mirage, November 1991. Aurora Flight Sciences, 1991</i></b>
box AV-002, item D013-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (4 minutes): sound, color.
box AV-021, item D013-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (4 minutes): sound, color.
box AV-022, item D013-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (4 minutes): sound, color.

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**Subject files** Subseries 6.5**Scope and Content Summary**

This subseries is comprised primarily of files on topics of research undertaken at Rowland's research laboratories. Files include research articles, data, correspondence, manuscripts, and other materials.

**Arrangement**

Arrangement is approximately alphabetical by topic.

box 101, folder 1	<b>Antarctic snow/ice chemistry, 1978-1985</b>
box 101, folder 2	<b>Arctic bromine, circa 1983-1992</b>
box 101, folder 3-5	<b>Arosa, Switzerland, ozone analysis, circa 1987</b>
box 101, folder 6	<b>Atmosphere emission model data results, circa 1990</b>
box 101, folder 7	<b>Atmospheric sulphur, circa 1982</b>
box 101, folder 8	<b>Atmosphere, U.S. standard, 1997</b>
box 101, folder 9	<b>Atomic chlorine and reactions with vinyl bromide, circa 1983</b>
box 101, folder 10	<b>Carbon disulfide and oxygen, circa 1980-1981</b>
box 101, folder 11	<b>Carbon tetrachloride (Tyler, Woo, and Rowland), circa 1981</b>
box 102, folder 2-4	<b>Carbonyl sulfide, 1981-1985</b>
box 102, folder 5	<b>Caribou Project data (Neil Harris), 1987</b>
box 103, folder 1	<b>Charcoal, 1964</b>
box 103, folder 2	<b>Chlorination of methyl bromide, circa 1986</b>
box 103, folder 3	<b>Chlorine nitrate, circa 1976</b>
box 103, folder 4	<b>Christian, Gary D., circa 1956-1964</b>
box 103, folder 5	<b>Cities, air quality studies, 1997-1999</b>
box 103, folder 6	<b>City hydrocarbons, 1989</b>
box 103, folder 7	<b>City measurements, circa 1979-1985</b>
box 103, folder 8	<b>Computing integrator operator's manual, 1987</b>
box 103, folder 9	<b>Correspondence, 1964</b>
box 103, folder 10	<b>Cosmotron data, articles, and research materials, 1954</b>
box 103, folder 11	<b>Conferences, meetings, lab safety code, 1953-1954</b>
box 104, folder 1	<b>Cyclopropane: notes and drafts, circa 1964</b>
box 104, folder 2	<b>Ethane, 1977-1985</b>
box 104, folder 3	<b>Ethylene oxide, circa 1956-1964</b>
box 104, folder 4	<b>Flame spectrometry, 1967-1981</b>
box 104, folder 5	<b>Fluorine and methyl fluoride reactions, 1980-1983</b>
box 104, folder 6	<b>Germanium tetra allyl, 1982-1983</b>
box 104, folder 7	<b>Halocarbons and methane, 1979-1987</b>
box 104, folder 8	<b>Hathaway, Larry: notes and drafts, circa 1960-1964</b>
box 104, folder 9	<b>High energy nuclear reactions and other topics: articles, 1960-1963 and undated</b>

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box 104, folder 10	<b>Hydrogen sulfide in open ocean seawater, 1986</b>
box 104, folder 11	<b>Hydrolysis of chlorine nitrate, 1985</b>
box 105, folder 1	<b>Interhemispheric tropospheric gaseous exchange from measured chlorofluorocarbon concentrations, 1970-1980</b>
box 105, folder 2	<b>Ionization chambers proportional counters, geiger counters, scintillation counters, 1958-1959</b>
box 105, folder 3	<b>Kinetics of product formation of methylene reactions: calculations, circa 1970</b>
box 105, folder 4	<b>Latitudinal surveys, circa 1992</b>
box 105, folder 5	<b>M-83 data, 1985</b>
box 105, folder 6	<b>Magnesium species, 1979-1982</b>
box 105, folder 7	<b>Methane references, 1938, 1948, 1970-1979</b>
box 105, folder 8	<b>Methane and the atmosphere, carbon monoxide, regulation of chlorofluoromethanes, 1977-1980</b>
box 105, folder 9	<b>Methane measurements (1979-1987), hydrocarbon measurements (1984-1986), 1979-1987</b>
box 106, folder 1	<b>Methane measurements, 1980-1983</b>
box 106, folder 2	<b>Methane references, 1980-1983 and undated</b>
box 106, folder 3	<b>Methane, 1982</b>
box 106, folder 4	<b>Methane: early scholarly articles (circa 1901-1969), 1983</b>
box 106, folder 5	<b>Methane: scholarly articles, 1991-2001</b>
box 106, folder 6	<b>Methane data, 1993</b>
box 106, folder 7	<b>Methyl bromide, 1992</b>
box 107, folder 1	<b>Mexico City air and other projects, circa 1992-1995</b>
box 107, folder 2-5	<b>Molecular spectra, energy transfer, and singlet-triplet states, circa 1967</b>
box 107, folder 6	<b>Neutron flux calculation for cyclotron: notes, undated</b>
box 107, folder 7	<b>Nitrogen, after 1974</b>
box 107, folder 8	<b>NNOA's data, circa 1993</b>
box 107, folder 9	<b>Non-methane hydrocarbon intercomparison experiment (NOMHICE), circa 2000-2001</b>
box 108, folder 1-2	<b>Notes and data, various topics, 1952-1961 and undated</b>
box 108, folder 3	<b>Organic retentions: notes, undated</b>
box 108, folder 4	<b>Ortho/para hydrogen, 1972</b>
box 108, folder 5	<b>Ozone trend analysis, circa 1980</b>
box 108, folder 6	<b>Ozone: notes and readings, 1983</b>
box 108, folder 7-9	<b>Ozone data, measurements, and statistical analysis, 1986-1988</b>
box 109, folder 1-2	<b>Ozone data, 1989</b>
box 109, folder 1	<b>Ozone data, manuscript, and other materials, 2005</b>
box 109, folder 2-3	<b>Ozone data (Neil Harris), 1989</b>
box 109, folder 4	<b>Phosphine, 1984</b>
box 109, folder 5	<b>Photograph of laboratory, undated</b>
box 109, folder 6-8	<b>Photolysis and/or spectra of pyrazolines, halides, azo compounds, ketones, aldehydes, benzene and other aromatic compounds, circa 1967</b>
box 110, folder 1	<b>Photolysis of chlorine nitrate, circa 1976</b>
box 110, folder 2	<b>Photolysis of tritium bromide, circa 1971</b>
box 110, folder 3	<b>Radioactive isotopes: tables, 2001</b>
box 110, folder 4	<b>Rasmussen/Khalil: articles,</b>
box 110, folder 5	<b>Rates of exchange, chelate complexes: notes, undated</b>
box 110, folder 6-7	<b>Reactivity of singlet and triplet methylene and ketene, circa 1976-1980</b>
box 110, folder 8	<b>Recoil tritium atom reactions, circa 1964-1978</b>
box 110, folder 9	<b>Reeburgh, W.S.: manuscript and preprints, 2005</b>
box 110, folder 10	<b>Remote hydrocarbons, circa 1983-1989</b>
box 111, folder 1	<b>Replace hydrogen in methylsilanes (Hosaka and Rowland), circa 1973</b>

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box 111, folder 2	<b>São Miguel Island data and other materials, 1992</b>
box 111, folder 3	<b>Seawater chemistry of carbonyl sulfide, 1983</b>
box 111, folder 4	<b>Sodium compounds in atomic absorption spectrometry, 1965-1976</b>
box 111, folder 5	<b>Murad et al. on sodium hydroxide, 1977-1981</b>
box 111, folder 6	<b>Sodium calculations, 1980-1982</b>
box 111, folder 7	<b>Sodium chloride photolysis, circa 1981</b>
box 111, folder 8	<b>Sodium cycle (gas phase) in the upper stratosphere, circa 1981</b>
box 111, folder 9	<b>Sodium cycle, circa 1982</b>
box 111, folder 10	<b>Sodium reviews, circa 1982</b>
box 111, folder 11	<b>Southern hemisphere ozone, 2002</b>
box 111, folder 12	<b>Steward, Frank: notes, circa 1956-1964</b>
box 112, folder 1	<b>Stratospheric ions, circa 1980-1989</b>
box 112, folder 2	<b>Stratospheric ozone depletion, halocarbons, chlorofluorocarbons, 1969-1980</b>
box 112, folder 3	<b>Stratospheric reaction of chlorine nitrate, circa 1985</b>
box 112, folder 4	<b>Thermal chlorine-38 reactions with vinyl chloride, vinyl bromide, circa 1973-1984</b>
box 112, folder 5-6	<b>Thermal isomerizations and mercury photosensitized reactions, circa 1968</b>
box 112, folder 7	<b>Thermal reactions of halogen atoms with vinyl halides, circa 1972-1981</b>
box 112, folder 8-9	<b>TOMS ozone images, 1984-1987, 2000</b>
box 112, folder 10	<b>Trace gases in human breath, 2001-2003</b>
box 112, folder 11	<b>Trichlorofluoromethane, circa 1982</b>
box 113, folder 1	<b>Triplet methylene with molecular oxygen (Russell and Rowland), 1971-1977</b>
box 113, folder 2	<b>Van Valin, Charles C., 1987</b>
box 113, folder 3-5	<b>Various topics: compiled papers and preprints, circa 1968</b>
box 113, folder 6	<b>Vinyl bromide, circa 1983</b>
box 113, folder 7	<b>Vinyl chloride reactions, circa 1983</b>
box 113, folder 8	<b>Vinyl fluoride and chloride reactions,</b>
box 113, folder 9	<b>Zinc-copper exchanges, circa 1964</b>

**Notes Series 7. 1968-2008****Physical Description:** 2 Linear Feet**Series Scope and Content Summary**

This series is comprised of notes taken by Rowland at professional conferences and meetings, Rowland-Blake Group meetings, and other events. Many notes are dated and labeled with the meeting or event attended and list the names of the other participants in the meeting.

**Arrangement note**

The arrangement is chronological by year.

**Processing Note**

The majority of notes in this series were found loose and filed by year only, and some are unlabeled and undated notes for which dates were estimated. Within folders, materials are in no order.

box 114,  
folder 1-46  
box 115,  
folder 1-24

**1968-1995****1996-2008 and undated**

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**Media and publicity materials Series 8. 1972-2007**

**Physical Description:** 12.68 Linear Feet

**Series Scope and Content Summary**

This series is comprised of Rowland's writings for a general audience, including both manuscripts and printed material; transcripts and recordings of interviews given by him; audiovisual recordings of radio and television programs on which he appeared; correspondence and other materials related to his broadcast appearances and print interviews; and manuscripts and printed material about him and his work that were published in magazines, newspapers, and books.

**Arrangement**

This series is arranged in 5 subseries:

Subseries 8.1. Writings

Subseries 8.2. Interviews given

Subseries 8.3. Radio, television, and educational programs

Subseries 8.4. Writings about Rowland

Subseries 8.5. Compiled press clippings

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**Writings Subseries 8.1**

**Scope and Content Summary**

This subseries is comprised primarily of Rowland's writings for a general audience. Includes manuscripts, clippings, and some related material. Includes several drafts of chapters for the unpublished book manuscript *Atmosphere*, along with related correspondence with the Smithsonian Press. Most of Rowland's writings for scientific journals are in Series 5.

**Arrangement**

Arrangement is roughly chronological.

box 116, folder 1

box 116, folder 2

box 116, folder 3

box 116, folder 4

box 116, folder 5

box 116, folder 6

box 116, folder 7

box 116, folder 8

box 116, folder 9

box 116, folder 10

box 117,

folder 1-7

**Published articles, 1974-1989**

**Compiled articles by and about Rowland (photocopies), 1975-1997**

**Manuscripts, 1986-1993**

**Response to letter by S. Fred Singer in *Science*: drafts and correspondence, 1993**

**Published articles, 1994- circa 2004**

**Manuscripts, 1995-1999**

**Publication of Nobel lecture: proofs and correspondence, 1996**

***Memorandum to the President: Climate Change and Its Consequences:* manuscripts and other material, circa 2000**

**Manuscripts and notes, 2000-2004 and undated**

***Atmosphere*: manuscripts and related materials**

**Correspondence and drafts, circa 2002-2003**

**Chapter drafts, circa 2002-2003**

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**Interviews given Subseries 8.2**

**Scope and Content Summary**

This subseries is comprised of transcripts and audiovisual recordings of interviews. Included are audio recordings and transcripts of interviews conducted by Randy Black, director of research development and federal government relations, UC Irvine Office of Research. Also included are transcripts of interviews, interview questions, and related materials for interviews given to the broadcast or print media.

**Arrangement**

Assorted transcripts and recordings are listed first, followed by those for the interviews conducted by Randy Black.

**Assorted**

**Arrangement**

Two folders of assorted transcripts are listed first, followed by assorted audiovisual recordings listed in alphabetical order by title of the interview series.

box 117,  
folder 8-9

**Transcripts, write-ups and related materials, 1999-2004**

**Audiovisual recordings**

***Global Environmental Change: The Science and Social Issues, Parts 1 and 2.*  
University of Rhode Island Honors Colloquium, 1991**

**Scope and Content note**

Rowland is featured in Part 2, disc #D018.

box AV-002,  
item D017-A

**Part 1**

**Archival original**

**Physical Description:** 1 video cassette (VHS) (89 minutes): sound, color.

box AV-021,  
item D018-U and  
D017-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (89 minutes): sound, color.

box AV-022,  
item D018-M and  
D017-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (89 minutes): sound, color.

box AV-002,  
item D018-A

**Part 2**

**Archival original**

**Physical Description:** 1 video cassette (VHS) (96 minutes): sound, color.

box AV-021,  
item D018-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (96 minutes): sound, color.

box AV-022,  
item D018-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (96 minutes): sound, color.

box AV-006,  
item D055-A

***UCSD Guestbook. University of California, San Diego, 1996 November***

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D055-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

box AV-022,  
item D055-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

box AV-016,  
item D135-A

***Frontiers of Reason: Hole in the Ozone. San Diego State University, 1986  
December 7***

**Archival original**

**Physical Description:** 1 video cassette (VHS) (29 minutes): sound, color.

box AV-021,  
item D135-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (29 minutes): sound, color.

box AV-022,  
item D135-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (29 minutes): sound, color.

***The Ozone Layer/ The Greenhouse Effect. The Newport Foundation, 1989***  
**February 7**

box AV-008,  
item D068-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (32 minutes): sound, color.

box AV-021,  
item D068-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (32 minutes): sound, color.

box AV-022,  
item D068-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (32 minutes): sound, color.

**Conducted by Randy Black, UC Irvine Office of Research 2002-2003**

**Historical Background**

Interviews were conducted by Randy Black, director of research development and federal government relations, UC Irvine Office of Research. They were transcribed by Stephanie Black, and the transcripts were edited by Rowland.

**Arrangement**

Transcripts of recordings are listed first in chronological order, followed by the audio recordings of these interviews in chronological order.

**Transcripts**

**Processing Information**

Dates provided for transcriptions are the dates the interviews were conducted, not the dates they were transcribed.

box 117,  
folder 10-11

**2002 July**

**Scope and Content Note**

Also includes a small amount of correspondence.

box 118,  
folder 1-6

**2002 August - 2003 April**

**Audio recordings**

**Access**

Archival originals are restricted.

**Physical Characteristics and Technical Requirements**

Some of the recordings seem to cut off before the end of the interview.

**Processing Information**

Tape numbers provided are those written on the original tapes.

box AV-018,  
item A010-A

**Tape 1 2002 July 2**

**Archival original**

**Physical Description:** 1 microcassette (42 minutes).

box AV-019,  
item A010-U

**Use copy**

**Physical Description:** 1 sound disc (CD ROM)(42 minutes).

box AV-020,  
item A010-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(42 minutes).

**Tape 2 2002 July 19**

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box AV-018, item A011-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (102 minutes).
box AV-019, item A011-U	<b>Use copy</b> <b>Physical Description:</b> 2 sound discs (CD ROM)(102 minutes).
box AV-020, item A011-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 2 sound discs (CD ROM)(102 minutes).
	<b>Tape 3 2002 July 26</b>
box AV-018, item A012-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (63 minutes).
box AV-019, item A012-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(63 minutes).
box AV-020, item A012-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(63 minutes).
	<b>Tape 4 2002 July 31</b>
box AV-018, item A013-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (60 minutes)
box AV-019, item A013-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(60 minutes)
box AV-020, item A013-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(60 minutes).
	<b>Tape 5 2002 August 9</b>
box AV-018, item A014-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (62 minutes)
box AV-019, item A014-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes)
box AV-020, item A014-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes).
	<b>Tape 6 2002 August 16</b>
box AV-018, item A015-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (60 minutes)
box AV-019, item A015-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(60 minutes)
box AV-020, item A015-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(60 minutes).
	<b>Tape 7 2002 August 23</b>
box AV-018, item A016-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (62 minutes)
box AV-019, item A016-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes)

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box AV-020,  
item A016-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(62 minutes).

**Tape 8 2002 September 6**

**Archival original**

box AV-018,  
item A017-A

**Physical Description:** 1 microcassette (62 minutes)

**Use copy**

box AV-019,  
item A017-U

**Physical Description:** 1 sound disc (CD ROM)(62 minutes)

**Duplicating master copy**

box AV-020,  
item A017-M

**Physical Description:** 1 sound disc (CD ROM)(62 minutes).

**Tape 9 2002 September 27**

**Archival original**

box AV-018,  
item A018-A

**Physical Description:** 1 microcassette (62 minutes)

**Use copy**

box AV-019,  
item A018-U

**Physical Description:** 1 sound disc (CD ROM)(62 minutes)

**Duplicating master copy**

box AV-020,  
item A018-M

**Physical Description:** 1 sound disc (CD ROM)(62 minutes).

**Tape 9B 2002 September 27**

**Archival original**

box AV-018,  
item A019-A

**Physical Description:** 1 microcassette (22 minutes)

**Use copy**

box AV-019,  
item A019-U

**Physical Description:** 1 sound disc (CD ROM)(22 minutes)

**Duplicating master copy**

box AV-020,  
item A019-M

**Physical Description:** 1 sound disc (CD ROM)(22 minutes).

**Tape 10 2002 October 25**

**Archival original**

box AV-018,  
item A021-A

**Physical Description:** 1 microcassette (62 minutes)

**Use copy**

box AV-019,  
item A021-U

**Physical Description:** 1 sound disc (CD ROM)(62 minutes)

**Duplicating master copy**

box AV-020,  
item A021-M

**Physical Description:** 1 sound disc (CD ROM)(62 minutes).

**Tape 11 2002 November 1**

**Archival original**

box AV-018,  
item A022-A

**Physical Description:** 1 microcassette (59 minutes)

**Use copy**

box AV-019,  
item A022-U

**Physical Description:** 1 sound disc (CD ROM)(59 minutes)

**Duplicating master copy**

box AV-020,  
item A022-M

**Physical Description:** 1 sound disc (CD ROM)(59 minutes).

**Tape 12 2002 November 15**

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box AV-018, item A023-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (48 minutes)
box AV-019, item A023-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(48 minutes)
box AV-020, item A023-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(48 minutes).
<b>Tape 13 2002 November 27</b>	
box AV-018, item A024-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (62 minutes)
box AV-019, item A024-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes)
box AV-020, item A024-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes).
<b>Interview with Jim Arnold 2002 December 4</b>	
box AV-018, item A025-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (41 minutes)
box AV-019, item A025-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(41 minutes)
box AV-020, item A025-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(41 minutes).
<b>Tape 14 2002 December 10</b>	
box AV-018, item A026-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (62 minutes)
box AV-019, item A026-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes)
box AV-020, item A026-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes).
<b>Tape 15 2003 January 10</b>	
box AV-018, item A027-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (59 minutes)
box AV-019, item A027-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(59 minutes)
box AV-020, item A027-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(59 minutes).
<b>Tape 16 2003 January 17</b>	
box AV-018, item A028-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (62 minutes)
box AV-019, item A028-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(62 minutes)

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box AV-020,  
item A028-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(62 minutes).

**Tape 17 2003 February 13**

box AV-018,  
item A029-A

**Archival original**

**Physical Description:** 1 microcassette (61 minutes)

box AV-019,  
item A029-U

**Use copy**

**Physical Description:** 1 sound disc (CD ROM)(61 minutes)

box AV-020,  
item A029-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(61 minutes).

**Unlabeled 2003 February 21**

box AV-018,  
item A030-A

**Archival original**

**Physical Description:** 1 microcassette (61 minutes)

box AV-019,  
item A030-U

**Use copy**

**Physical Description:** 1 sound disc (CD ROM)(61 minutes)

box AV-020,  
item A030-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(61 minutes).

**Unlabeled 2003 March 7**

box AV-018,  
item A031-A

**Archival original**

**Physical Description:** 1 microcassette (61 minutes)

box AV-019,  
item A031-U

**Use copy**

**Physical Description:** 1 sound disc (CD ROM)(61 minutes)

box AV-020,  
item A031-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(61 minutes).

**Unlabeled 2003 March 28**

box AV-018,  
item A032-A

**Archival original**

**Physical Description:** 1 microcassette (62 minutes)

box AV-019,  
item A032-U

**Use copy**

**Physical Description:** 1 sound disc (CD ROM)(62 minutes)

box AV-020,  
item A032-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(62 minutes).

**Unlabeled 2003 April 11**

box AV-018,  
item A033-A

**Archival original**

**Physical Description:** 1 microcassette (62 minutes)

box AV-019,  
item A033-U

**Use copy**

**Physical Description:** 1 sound disc (CD ROM)(62 minutes)

box AV-020,  
item A033-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD ROM)(62 minutes).

**Interview with Sid Rowland 2003 September 9**

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box AV-018, item A034-A	<b>Archival original</b> <b>Physical Description:</b> 1 microcassette (22 minutes)
box AV-019, item A034-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(22 minutes)
box AV-020, item A034-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(22 minutes).
box AV-018, item A020-A	<b>Interview with unidentified person (Henry Taube?) undated</b> <b>Archival original</b> <b>Physical Description:</b> 1 microcassette (8 minutes)
box AV-019, item A020-U	<b>Use copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(8 minutes)
box AV-020, item A020-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 sound disc (CD ROM)(8 minutes).

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**Television, radio, and educational programs** Subseries 8.3**Scope and Content Summary**

This subseries includes recordings of television and radio broadcasts on which Rowland is interviewed or featured. Also included in this subseries are video recordings that may have been intended for educational settings rather than broadcast. Correspondence and other materials related to broadcast appearances are also in this subseries.

**Arrangement**

Printed materials are listed first, followed by audiovisual recordings.

box 118,  
folder 7-12

**Correspondence, transcripts, press kits and other materials, 1982-2004****Scope and Content Note**

Includes promotional materials, correspondence, and other materials related to *The Infinite Voyage: Crisis in the Atmosphere*, a public television program co-produced by the NAS on which Rowland is interviewed and for which he served on the advisory board.

**Audiovisual recordings****Access**

Access to all archival originals is restricted. Use copies are provided.

**Arrangement**

Recordings are listed in three groups: Television programs, radio programs, and educational videos. In each of these sections, the listing is alphabetical by the title of the episode or program.

**Processing Information**

In most cases, recording times represent the entire recording, which may include other news segments or programs than those featuring Rowland.

**Television programs*****American Agenda* segment on the ozone layer. *World News Tonight with Peter Jennings*. ABC, 1991 September 18**

box AV-005,  
item D041-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (57 minutes): sound, color.

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box AV-021,  
item D041-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color.

box AV-022,  
item D041-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color.

***The Aerosol Factor. San Jose, Cal.: KTEH, 1976 March 3*****Scope and Content Summary**

Fifty percent of the earth's fluorocarbons are in aerosol cans. The ozone layer is a thin layer of gas that is in the stratosphere. Without the ozone, life on earth would not be possible. At the University of California Irvine, two scientists named F.S. Rowland and Mario Molina developed the ozone depletion theory accidentally. They wanted to know what was happening to the chlorofluorocarbons being released, which was degrading the stratosphere with the chlorine molecules. The video gives detailed explanations of how scientists have studied the effects of these fluorocarbons in the stratosphere.

box AV-018,  
item D117-A

**Archival original**

**Physical Description:** 1 video cassette (3/4 inch U-matic) (58 minutes): sound, color.

box AV-021,  
item D117-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (58 minutes): sound, color.

box AV-022,  
item D117-M,  
item Merritt  
MS-F029\_D117-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (58 minutes): sound, color.

***The Atmospheric Researcher Paul Crutzen. Ether Worlds. Germany: Deutsche Welle Television, 1995*****Archival original**

**Physical Description:** 1 video cassette (VHS) (62 minutes): sound, color.

box AV-008,  
item D072-A

**Use copy**

**Physical Description:** 1 videodisc (DVD) (62 minutes) : sound, color.

box AV-021,  
item D072-U

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (62 minutes) : sound, color.

box AV-022,  
item D072-M

***British news report on European CFC agreement (unidentified program), 1989 March*****Archival original**

**Physical Description:** 1 video cassette (VHS) (3 minutes): sound, color.

box AV-003,  
item D019-A

**Use copy**

**Physical Description:** 1 videodisc (DVD) (3 minutes): sound, color.

box AV-021,  
item D019-U

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (3 minutes): sound, color.

box AV-022,  
item D019-M

***Burning Disaster: The Ozone War. West 57th Street. CBS News, 1987 July 4*****Archival original**

**Physical Description:** 1 video cassette (VHS) (60 minutes): sound, color.

box AV-003,  
item D028-A

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box AV-021, item D028-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (60 minutes): sound, color.
box AV-022, box D028-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (60 minutes): sound, color.
	<b><i>Crisis in the Atmosphere. The Infinite Voyage, #110. PBS. WQED (Pittsburgh) and the National Academy of Sciences, 1989</i></b>
	<b>Broadcast version</b>
box AV-011, item D098-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (58 minutes): sound, color.
box AV-021, item D098-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (58 minutes) : sound, color.
box AV-022, item D098-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (58 minutes) : sound, color.
	<b>Raw footage, reels 1 and 2</b>
box AV-010, item D085-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (57 minutes): sound, color.
box AV-021, item D085-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (57 minutes) : sound, color.
box AV-022, item D085-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (57 minutes) : sound, color.
	<b><i>Damaged Shield. Science and Technology Week. CNN, 1986 February 12</i></b>
box AV-016, item D134-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (60 minutes): sound, color.
box AV-021, item D134-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (60 minutes) : sound, color.
box AV-022, item D134-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (60 minutes) : sound, color.
	<b><i>Dangerous Sun. In Future, 1994</i></b>
	<b>Physical Characteristics and Technical Requirements</b> Recording cuts off before the end of the program.
box AV-006, item D050-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (39 minutes): sound, color.
box AV-021, item D050-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (39 minutes): sound, color.
box AV-022, item D050-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (39 minutes): sound, color.

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**Day of the Animals. Film Ventures International. TBS, 1977****Scope and Content Summary**

Made for television movie about imagined environmental consequences of ozone depletion. Film begins with brief textual foreward about Rowland and Molina's CFC discovery. Directed by William Girdler. Performances from Christopher George, Leslie Nielsen and Lynda Day George. (Recording begins with 5 minutes of unrelated programming and cuts off before the end of the film.)

box AV-009,  
item D082-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (120 minutes): sound, color.

box AV-021,  
item D082-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (120 minutes): sound, color.

box AV-022,  
item D082-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (120 minutes): sound, color.

**Fair Skin - Stay In. Belgium: BRTN. (Distributed in the U.S. by 21st Century Science and Technology), 1992**

box AV-003,  
item D027-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (53 minutes): sound, color.

box AV-021,  
item D027-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (53 minutes): sound, color.

box AV-022,  
item D027-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (53 minutes): sound, color.

**Fluorocarbons: The Unfinished Agenda. San Jose, Cal.: KTEH  
Tape 1, 1978****Physical Characteristics and Technical Requirements**

Recording does not start at the beginning of the program.

**Scope and Content Summary**

This video is about the ozone layer and the degradation of the ozone layer through the release of chlorofluorocarbons. The use of aerosols has been banned but the main cause of the release of fluorocarbons has not been regulated which is Freon in refrigerators. Non-melanoma is the most common cause of skin cancer caused by overexposure of ultra-violet rays. Fluorocarbons were first used in 1930s as coolants for refrigerators. They replaced other chemicals that were hazardous and flammable. There was a government ban on fluorocarbons starting from April 1979 due to the dangers of these fluorocarbons.

box AV-018,  
item D115-A

**Archival original**

**Physical Description:** 1 video cassette (3/4 inch U-matic) (29 minutes): sound, color.

box AV-021,  
item D115-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (29 minutes): sound, color.

box AV-022,  
item D115-M,  
item Merritt  
MS-F029\_D115-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (29 minutes): sound, color.

**Tape 2, 1978****Scope and Content Summary**

This video is about the regulating of fluorocarbons and other alternatives to these fluorocarbons. The biggest use of fluorocarbons is in the refrigeration and automobile companies which amount to 30% of emissions. There has been a new system developed by a company called Rovac. There are no restrictions on fluorocarbon air-conditioning the only way an alternative would catch on is to sell it to the automobile industry.

box AV-018,  
item D116-A

**Archival original**

**Physical Description:** 1 video cassette (3/4 inch U-matic) (28 minutes): sound, color

box AV-021,  
item D116-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color.

box AV-022,  
item D116-M,  
item Merritt  
MS-F029\_D116-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color.

**Abridged version, 1979****Scope and Content Summary**

Fluorocarbons cause skin cancer amongst individuals. Sunlight causes life but only a certain amount of visible light reaches the Earth. Ten years ago the fluorocarbons reached the atmosphere. Ultraviolet light strong enough to break the bonds of chlorofluorocarbons and chlorine atoms attack the ozone layer. One molecule of chlorine is strong enough to destroy a thousand molecules of ozone. This is a serious environmental concern. Professor Rowland explains the dangers of chlorofluorocarbons. The loss of ozone is dangerous because it is a shield against ultraviolet radiation. UV rays would cause sunburns and eventually skin cancer. There would be an increase in skin cancer due to radiation. More government regulations are needed to regulate and supervise the release of fluorocarbons in the atmosphere.

box AV-018,  
item D114-A

**Archival original**

**Physical Description:** 1 video cassette (3/4 inch U-matic) (29 minutes): sound, color

box AV-021,  
item D114-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (29 minutes): sound, color.

box AV-022,  
item D114-M,  
item Merritt  
MS-F029\_D114-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (29 minutes): sound, color.

**Focus: Science Education for the 1990s. Orange County: KOCE, undated**

box AV-015,  
item D123-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D123-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

box AV-022,  
item D123-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

***Forecast Earth. EPA Vignettes 1-4. Environmental Protection Agency and The Weather Channel, 2003 June 18***

box AV-010,  
item D090-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (9 minutes): sound, color.

box AV-021,  
item D090-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (9 minutes) : sound, color.

box AV-022,  
item D090-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (9 minutes) : sound, color.

***Earth Chronicle. Japanese television special. NHK, 1987 January 4***

**Language of Material:** Japanese.

box AV-006,  
item D057-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (60 minutes): sound, color.

box AV-021,  
item D057-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

box AV-022,  
item D057-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

***The Greenhouse Effect. Vista. TV Ontario, 1987***

box AV-005,  
item D047-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (59 minutes): sound, color.

box AV-021,  
item D047-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (59 minutes) : sound, color.

box AV-022,  
item D047-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (59 minutes) : sound, color.

***Greenhouse Ozone. CNN, 1992***

box AV-005,  
item D044-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (8 minutes): sound, color.

box AV-021,  
item D044-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (8 minutes): sound, color.

box AV-022,  
item D044-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (8 minutes): sound, color.

***The Hole in the Sky. NOVA. WGBH (Boston) and PBS. Los Angeles: KCET, 1987 February 24***

box AV-011,  
item D097-A

**Copy 1****Archival original**

**Physical Description:** 1 video cassette (VHS) (58 minutes): sound, color.

box AV-021,  
item D097-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (58 minutes): sound, color .

box AV-022,  
item D097-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (58 minutes): sound, color .

**Copy 2**

box AV-015,  
item D127-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) 57 minutes): sound, color.

box AV-021,  
item D127-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color .

box AV-022,  
item D127-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color .

***Holes in the Sky. The Journal. CBC, 1987 January 7***

**Physical Characteristics and Technical Requirements**

Poor video and sound quality.

**Copy 1**

box AV-003,  
item D020-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (12 minutes): sound, color.

box AV-021,  
item D020-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (12 minutes): sound, color.

box AV-022,  
item D020-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (12 minutes): sound, color.

**Copy 2**

box AV-005,  
item D046-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (12 minutes): sound, color.

box AV-021,  
item D046-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (12 minutes): sound, color.

box AV-022,  
item D046-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (12 minutes): sound, color.

***Nobel Minds: Challenges of the 21st Century. CNN 1995 December***

**Recording 1**

box AV-006,  
item D053-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (57 minutes): sound, color.

box AV-021,  
item D053-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color.

box AV-022,  
item D053-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color.

**Recording 2**

box AV-012,  
item D103-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (57 minutes): sound, color.

box AV-021,  
item D103-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color .

box AV-022,  
item D103-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (57 minutes): sound, color .

**Recording 3**

**Scope and Content note**

This recording also includes part of a Swedish telecast of the Nobel banquet.

box AV-013,  
item D105-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (60 minutes): sound, color.

box AV-021,  
item D105-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

box AV-022,  
item D105-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

***The Home Planet. The Miracle Planet, Episode 6. KCTS (Seattle), 1989***

box AV-015,  
item D121-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (120 minutes): sound, color.

box AV-021,  
item D121-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (120 minutes) : sound, color.

box AV-022,  
item D121-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (120 minutes) : sound, color.

**Japanese news programs: assorted clips. NHK, circa 1987**

**Language of Material:** Japanese.

box AV-017,  
item D142-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (51 minutes): sound, color.

box AV-021,  
item D142-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (51 minutes): sound, color.

box AV-022,  
item D142-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (51 minutes): sound, color.

**Japanese television special. NHK, 1987 January 4**

**Language of Material:** Japanese.

box AV-004,  
item D031-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (60 minutes): sound, color.

box AV-021,  
item D031-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

box AV-022,  
item D031-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

**Local news and public affairs programs: assorted clips (Los Angeles and Orange County, Calif.)**

**1982 March 25**

box AV-006,  
item D054-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (15 minutes): sound, color.

box AV-021,  
item D054-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (15 minutes) : sound, color.

box AV-022,  
item D054-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (15 minutes) : sound, color.

box AV-006,  
item D051-A

**circa 1982**

**Archival original**

**Physical Description:** 1 video cassette (VHS) (15 minutes): sound, color.

box AV-021,  
item D051-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (15 minutes): sound, color.

box AV-022,  
item D051-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (15 minutes): sound, color.

**1989 July 18**

**Scope and Content Summary**

Local news segments on proposed CFC regulations in Irvine, Cal. Los Angeles (?): Channel 4.

box AV-001,  
item D003-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (5 minutes): sound, color.

box AV-021,  
item D003-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (5 minutes) : sound, color.

box AV-022,  
item D003-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (5 minutes) : sound, color.

**1989**

**Scope and Content Summary**

Includes extended interview about the greenhouse effect on the program *At Issue* (Los Angeles: Channel 4). *Take 5: Science* (Los Angeles: KCET) program includes piece about ozone depletion and efforts to regulate CFCs in Irvine, Calif. Recording also includes unrelated programming.

box AV-015,  
item D126-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (96 minutes): sound, color.

box AV-021,  
item D126-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (96 minutes) : sound, color.

---

box AV-022,  
item D126-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (96 minutes) : sound, color.

***Look What They've Done To My Planet, Ma. 2 Protect Our Planet. Los Angeles: KCBS-TV, 1993 June 27***

box AV-015,  
item D120-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D120-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

box AV-022,  
item D120-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

box AV-012,  
item D104-A

***Nobel 1995. CNN, 1995***

**Archival original**

**Physical Description:** 1 video cassette (VHS) (47 minutes): sound, color.

box AV-021,  
item D104-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (47 minutes): sound, color.

box AV-022,  
item D104-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (47 minutes): sound, color.

***Nobel Prizes in Chemistry and Physics: news segments reporting on these announcements, 1995 October 11-12***

**Scope and Content Summary**

Recorded by the UC Irvine Communications Office: *Two Nobel Prizes for UCI*, Orange County: OC NewsChannel; *Nobel Prize, CBS Morning News*, Los Angeles: KCBS; *Nobel Prize, Eyewitness News*, Los Angeles: KABC; *Nobel Prize, CNN*; and *Nobel Prize, MacNeil/Lehrer News Hour*, PBS, Los Angeles: KOCE.

box AV-002,  
item D012-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (18 minutes): sound, color.

box AV-021,  
item D012-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (18 minutes): sound, color.

box AV-022,  
item D012-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (18 minutes): sound, color.

item Merritt  
MS-F029\_D012-M.mp4

**Preservation master**

***Ozone Protection. News at Ten. United Kingdom, 1989 March***

box AV-010,  
item D093-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (6 minutes): sound, color.

box AV-021,  
item D093-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (6 minutes): sound, color.

box AV-022,  
item D093-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (6 minutes): sound, color.

**Ozone: The Hole Story. Kurtis Productions, Ltd and WTTW (Chicago). PBS, 1992**

**Copy 1**

box AV-017,  
item D140-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (58 minutes): sound, color.

box AV-021,  
item D140-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (58 minutes) : sound, color.

box AV-022,  
item D140-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (58 minutes): sound, color.

**Copy 2**

box AV-009,  
item D076-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (59 minutes): sound, color.

box AV-021,  
item D076-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (59 minutes): sound, color .

box AV-022,  
item D076-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (59 minutes): sound, color.

**The Path of Most Resistance and An Atmosphere of Change. Two episodes of Breakthrough: The Changing Face of Science in America. PBS. Los Angeles: KCET, 1996**

box AV-017,  
item D009-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (116 minutes): sound, color.

box AV-021,  
item D009-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (116 minutes): sound, color.

box AV-022,  
item D009-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (116 minutes): sound, color.

**Person of the Week. World News Tonight with Peter Jennings. ABC News, 1992 February 14**

**Copy 1**

box AV-001,  
item D007-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (5 minutes): sound, color.

box AV-021,  
item D007-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (5 minutes) : sound, color.

box AV-022,  
item D007-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (5 minutes) : sound, color.

**Copy 2**

box AV-017,  
item D141-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D141-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

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box AV-022,  
item D141-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

**Quest for Peace. Huntington Beach: KOCE-TV Foundation, 1984 September 26**

**Scope and Content Summary**

Interview about effects of nuclear weapons on the atmosphere.

**Copy 1**

box AV-014,  
item D151-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D151-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

box AV-022,  
item D151-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

box AV-016,  
item D137-A

**Copy 2**

**Archival original**

**Physical Description:** 1 video cassette (VHS) (34 minutes): sound, color.

box AV-021,  
item D137-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (34 minutes): sound, color.

box AV-022,  
item D137-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (34 minutes): sound, color.

box AV-004,  
item D033-A

**Copy 3**

**Archival original**

**Physical Description:** 1 video cassette (VHS) 28 minutes): sound, color.

box AV-021,  
item D033-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color .

box AV-022,  
item D033-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color .

**Real Orange. Interview about global warming. Huntington Beach, Calif.: KOCE-TV, 2004 October 5**

box AV-013,  
item D106-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (28 minutes): sound, color.

box AV-021,  
item D106-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color.

box AV-022,  
item D106-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color.

**South Korean television program about ozone depletion. KBS, undated**

**Language of Material:** Korean.

box AV-008,  
item D071-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (50 minutes): sound, color.

box AV-021,  
item D071-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (50 minutes): sound, color.

box AV-022,  
item D071-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (50 minutes): sound, color.

***Two Men Saving the World: The Fight Against the Ozone Hole. Spaceship Earth. Vienna: Langbein & Skalnik TV for TV Asahi Tokyo, 1997***

box AV-008,  
item D069-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D069-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

box AV-022,  
item D069-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

***Tyler Prize 1983: Rowland and The Ozone Layer. Make Peace With Nature. WKRC-TV (Cincinnati), 1983 June 13***

**Scope and Content Summary**

The host David Surber and guest Professor Rowland discuss that the depletion of ozone increases the risks of skin cancer. They discuss that ultraviolet B rays are the main cause of skin cancer. The ozone layer keeps the heat in the stratosphere and is an inversion layer and the depletion of the ozone layer will cause skin cancer. There are two episodes of this show starting from around minute 28. There is also a mention of air pollution caused by smog. This smog was the main cause of urban pollution. The late John Tyler and his wife Alice created a foundation which awarded any tax free rewards to those recognized to improve quality of life.

box AV-018,  
item D112-A

**Archival original**

**Physical Description:** 1 video cassette (3/4 inch U-matic) (55 minutes): sound, color.

box AV-021,  
item D112-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (55 minutes): sound, color .

box AV-022,  
item D112-M,  
item Merritt  
MS-F029\_D112-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (55 minutes): sound, color .

**U.S. national and local news programs: assorted clips, circa 1982-1995**

**Scope and Content Summary**

Includes *Nobel 1995* (CNN, circa 1995); *West 57th* segment on ozone depletion (CBS, circa 1989); recording of Nobel Prize in Chemistry ceremony, Stockholm (1995); local news segments, Los Angeles (undated); two unidentified clips, including one in Japanese (undated); *CBS Evening News with Dan Rather* segment (undated).

box AV-009,  
item D083-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (28 minutes): sound, color.

box AV-021,  
item D083-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes) : sound, color.

box AV-022,  
item D083-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (28 minutes) : sound, color.

**U.S. national news programs: assorted clips  
circa 1986-1987**

**Scope and Content Summary**

News programs featuring segments about the ozone layer, CFCs and the greenhouse effect. Includes *Ozone Layer* and *Skin Cancer*, *CBS Evening News with Dan Rather*; and untitled segments on *NBC Nightly News with Tom Brokaw*, *CBS Morning News* and *CBS News Sunday Morning*.

box AV-004,  
item D032-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (120 minutes): sound, color.

box AV-021,  
item D032-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (120 minutes): sound, color.

box AV-022,  
item D032-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (120 minutes): sound, color.

**circa 1987-1989**

**Scope and Content Summary**

Included are clips from: *20/20* (ABC); *CBS Evening News with Dan Rather*; *Nova* (PBS); and *NBC Nightly News with Tom Brokaw*; Also included is a *Nightline* (ABC) program that includes interviews with British Prime Minister Margaret Thatcher and U.S. Senator Al Gore.

box AV-010,  
item D092-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (103 minutes): sound, color.

box AV-021,  
item D092-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (103 minutes): sound, color.

box AV-022,  
item D092-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (103 minutes): sound, color.

**circa 1991 April**

**Scope and Content Summary**

*Business World* (ABC News); *Project Censored* (Public Affairs Television, Inc.); *NBC Nightly News With Tom Brokaw* (NBC).

box AV-015,  
item D122-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (120 minutes): sound, color.

box AV-021,  
item D122-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (120 minutes) : sound, color.

box AV-022,  
item D122-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (120 minutes) : sound, color.

**undated****Scope and Content Summary**

Includes *The Greenhouse Effect* (unidentified program with British host); *The Ozone Layer*, *World News Tonight with Peter Jennings*(ABC); *Volcano Scapes 3: Living on the Edge* (no further identifying information).

box AV-010,  
item D088-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (26 minutes): sound, color.

box AV-021,  
item D088-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (26 minutes) : sound, color.

box AV-022,  
item D088-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (26 minutes) : sound, color.

**U.S. and Japanese news programs: assorted clips 1987****Scope and Content Summary**

Included are clips from *NBC Nightly News with Tom Brokaw* (1987 April 15 and 1987 March 9). Japanese clips: *JNN News*, TBS (1987 June 3, ); NHK programs (1987 June 3).

box AV-016,  
item D138-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (12 minutes): sound, color.

box AV-021,  
item D138-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (12 minutes): sound, color.

box AV-022,  
item D138-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (12 minutes): sound, color.

**Radio programs****Barry Palevitz radio interview. Athens, Georgia: WUGA-FM, 1999 March 19**

box AV-002,  
item A008-A

**Archival original**

**Physical Description:** 1 audio cassette (19 minutes).

box AV-019,  
item A008-U

**Use copy**

**Physical Description:** 1 sound disc (CD-ROM) (19 minutes): digital.

box AV-020,  
item A008-M

**Duplicating master**

**Physical Description:** 1 sound disc (CD-ROM) (19 minutes): digital.

**The Spray Can Threat. Man and Molecules (#726). American Chemical Society, circa 1974**

box AV-017,  
item A003-A

**Archival original**

**Physical Description:** 1/4-inch sound reel (15 minutes).

box AV-019,  
item A003-U

**Use copy**

**Physical Description:** 1 sound disc (CD-ROM) (15 minutes): digital.

box AV-020,  
item A003-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD-ROM) (15 minutes): digital.

box AV-017,  
item A003-M

**Talk of the Nation: Science Friday. National Public Radio, 1995 July 28**

**Archival original**

**Physical Description:** 1 audio cassette (65 minutes).

box AV-019,  
item A005-U

**Use copy**

**Physical Description:** 1 sound disc (CD-ROM) (65 minutes): digital, 2 tracks.

box AV-020,  
item A005-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD-ROM) (65 minutes): digital, 2 tracks.

**Educational and informational videos**

**Caretakers of the Earth: Restoring the Balance. Educational video presentation distributed by satellite. LERN/LINK, 1993**

box AV-016,  
item D130-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (81 minutes): sound, color.

box AV-021,  
item D130-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (81 minutes): sound, color.

box AV-022,  
item D130-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (81 minutes): sound, color.

**The 'Hole' in the Ozone. EcoSpeak: Coming to an Understanding. Chevron Video Showcase, undated**

box AV-007,  
item D063-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (33 minutes): sound, color.

box AV-021,  
item D063-U

**Use copies**

**Physical Description:** 1 videodisc (DVD) (33 minutes): sound, color.

box AV-022,  
item D063-M

**Duplicating master**

**Physical Description:** 1 videodisc (DVD) (33 minutes): sound, color.

**Man and Molecules. American Chemical Society film, circa 1974**

**General**

Shot on film and later copied to videotape. Original film is not part of the collection.

box AV-011,  
item D099-A

**Copy 1**

**Archival original**

**Physical Description:** 1 video cassette (VHS) (2 minutes): sound, color.

box AV-021,  
item D099-U

**Use copy**

**Physical Description:** 2 videodisc (DVD) (2 minutes each) : sound, color.

box AV-022,  
item D099-U

**Duplicating master copy**

**Physical Description:** 2 videodisc (DVD) (2 minutes each) : sound, color.

**Copy 2**

box AV-002,  
item D011-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (2 minutes): sound, color.

box AV-021,  
item D011-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (2 minutes): sound, color

box AV-022,  
item D011-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (2 minutes): sound, color

**Copy 3**

**Scope and Content Summary**

Manmade chemicals used in aerosols and refrigerators pose a threat to the fragile ozone layer that shields the Earth from the harmful effects of ultraviolet radiation. Each year, almost a million tons of fluorocarbons are created worldwide and used as propellants for aerosols and coolants in refrigerators.

box AV-018,  
item D118-A

**Archival original**

**Physical Description:** 1 video cassette (Betacam) (1 minute, 36 seconds): sound, color.

box AV-021,  
item D118-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (1 minute, 36 seconds): sound, color

box AV-022,  
item D118-M,  
item Merritt  
MS-F029\_D118-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (1 minute, 36 seconds): sound, color

***Ozone: Protecting the Invisible Shield. National Geographic Society, 1994***

**Copy 1 1994**

box AV-004,  
item D037-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D037-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

box AV-022,  
item D037-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes) : sound, color.

**Copy 2**

box AV-007,  
item D064-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D064-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

box AV-022,  
item D064-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

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**Writings about Rowland** Subseries 8.4

**Scope and Content Summary**

This series is comprised of manuscripts and published writings by others about Rowland and/or subjects of his expertise. Includes magazine articles, newspaper articles, or book excerpts that quote Rowland in the context of ozone depletion or other issues. Some manuscripts are accompanied by his comments or edits.

**Arrangement**

Manuscripts are listed first, followed by writings in their published form. Within each of these groups, the arrangement is roughly chronological. Oversized printed materials are listed last.

**Manuscripts received**

**Scope and Content Summary**

Comprised of manuscripts for articles and books about Rowland and his work, many of which have Rowland's comments. Included are manuscripts, research materials, and correspondence related to two *New Yorker* articles by journalist Paul Brodeur.

box 119,  
folder 1-2  
box 119,  
folder 3-9  
box 120,  
folder 1-2

**Brodeur, Paul: *New Yorker* manuscripts and related materials, 1975-1986**

**Assorted, 1982-2002**

**Davis, Devra. *When Smoke Ran Like Water: Tales of Environmental Deception and the Battle Against Pollution: drafts and other materials, 2002***

**Published news and magazine articles,**

**Scope and Content Summary**

Included are news articles, magazine articles, book excerpts, correspondence, and other materials written about Rowland for a general audience. Forms include clippings, photocopies, magazines, and computer printouts.

box 120,  
folder 3-10  
box 121,  
folder 1-11  
box 122,  
folder 1-10

**1972-1988**

**1987-1998**

**1996-2006**

**Scope and Content Note**

Folder 8 includes several photographs taken of Rowland and Mario Molina by *Vanity Fair* magazine (1999 March)

**Oversized materials**

**Magazines and UC Irvine publications, 1989-2006**

box 287,  
folder 2-3  
box 288,  
folder 1-2

**Newspaper clippings and other materials, 1951-2007**

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**Compiled press clippings** Subseries 8.5

**Scope and Content Summary**

This subseries is comprised of binders and files of press clippings, magazine articles, and other nonscholarly publications about Rowland and his work, compiled by UCI staff in various offices. Topics include primarily ozone depletion and CFCs, but also climate change, pollution, and environmental policy. Includes articles about Rowland and quoting him, as well as other articles about ozone depletion and related issues. Includes clippings and photocopies of clippings.

**Arrangement**

Files are listed first, followed by binders.

**Files**

**Arrangement**

Clippings compiled and labeled "Ozone and CFCs" are listed first, followed by general files. Arrangement within these groups is roughly chronological. Some folders have overlapping date ranges.

**Ozone and CFCs**

box 123,  
folder 3-4  
box 123,  
folder 5-6  
box 123, folder 7  
box 124, folder 1  
box 124,  
folder 2-5  
box 125, folder 1,  
box 124, folder 6  
box 125,  
folder 2-3

**1972-1975**

**1974**

**1974-1975**

**1974-1987**

**1979-1980**

**1981**

**1982**

**General**

box 125,  
folder 4-5  
box 125, folder 6,  
box 126, folder 1  
box 126,  
folder 2-5  
box 127,  
folder 1-5

**1989 January-February**

**1989 March**

**1989 April-July**

**1989 August-December**

**Binders**

**Arrangement**

Arrangement is roughly chronological. Some binders have overlapping date ranges.

box 123, folder 1  
box 123, folder 2  
box 128  
box 129  
box 130  
box 131  
box 132  
box 133, box 134  
box 135  
box 136

**Compiled by UCI Office of Communications, 1974-1990**

**General, 1974-1993**

**1974**

**1974-1975**

**1988-1989**

**1989-1991**

**1989**

**1991**

**1991-1992**

**1992**

**Professional activities files Series 9. 1975-2009**

**Physical Description:** 35.5 Linear Feet

**Scope and Content Summary**

This series is comprised of materials related to Sherwood's professional activities, including his service on panels, boards and in advisory capacities for many organizations. The bulk of the materials document his work with the National Academy of Sciences, for which he served as the foreign secretary from 1994 to 2002. Included are meeting agendas, correspondence, reports (including drafts), background research, and other materials. Also included are a few audiovisual recordings.

**Processing Note**

The bulk of materials in this series were found loose. Files were created during processing and an attempt was made to file consistently, but researchers should be aware that similar materials are likely to be found under several different titles.

**Collection Arrangement**

This series is arranged in 2 subseries:

Subseries 9.1. National Academy of Sciences/National Research Council

Subseries 9.2. Other professional activities

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**National Academy of Sciences (NAS) and National Research Council (NRC)**

Subseries 9.1

**Historical Background**

Rowland was elected to the NAS in 1978. In addition to holding the position of foreign secretary from 1994-2002, he served the following NAS/NRC positions:

Member, CODATA Committee, 1977-1982; Chairman, 1981-1982

Member, Committee on Solar-Terrestrial Research, 1979-1983

Member, Board of Environmental Studies and Toxicology, 1986-1991

Member, Committee on Atmospheric Chemistry, 1987-1989

Member, Film Committee for *The Infinite Voyage*, 1988-1992

Member, Committee on Opportunities in Applied Environmental Research and Development, 1988-1991

Chairman, Committee on International Organizations and Programs, 1993-1994

**Scope and Content Summary**

This subseries is comprised primarily of materials related to Rowland's service as foreign secretary of the NAS, but also includes his work on numerous NAS and NRC boards and committees, as well as international bodies. Included are materials related to boards and committees on which Rowland served directly or as part of his role as NAS foreign secretary, such as the Interacademy Panel on International Issues; and international meetings on scientific and environmental issues which he attended while serving as foreign secretary. Types of materials include correspondence, meeting materials and notes, reports and report drafts, publications, and other materials.

**Arrangement**

The arrangement of this subseries is alphabetical by topic or organizational unit. Files are roughly chronological thereunder, with overlapping date ranges.

box 137, folder 1  
box 137, folder 2  
box 137, folder 3  
box 137, folder 4

box 137, folder 5  
box 137,  
folder 6-7

**Academy of Sciences of the Islamic Republic of Iran, meeting (Tehran), 2000**

**Annual report of the NRC, 1997**

**Arctowski medal, 1999**

**Atmospheric Change and the North American Transportation Sector, steering committee, 1998**

**Atmospheric change report, 1987**

**Atmospheric chemistry panel, 1976**

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box 137, folder 8-21	<b>Atmospheric Sciences and Climate (Board on) and Committee on Atmospheric Chemistry, 1987-2008</b>
box 137, folder 22 box 137, folder 23	<b>Balancing Scientific Openness and National Security (Committee on), 1999 Beckman (Arnold and Mabel) Center, events and speaking engagements, 1988-2000 and undated</b>
box 137, folder 24	<b>Building Scientific Capacity into the Global Environmental Facility workshop, 1997 November</b>
box 137, folder 25 box 137, folder 26-28 box 137, folder 29	<b>Carbon Dioxide and Climate Change colloquium, 1997 Chemical Sciences and Technology (Board on), 1994-2002 Chemistry section, 1999 China trip 1997</b>
box 138, folder 1, box 137, folder 30-33 box 138, folder 2 box 138, folder 3-9 box 138, folder 10 box 138, folder 11 box 138, folder 12-14 box 138, folder 15 box 138, folder 16 box 138, folder 17 box 139, folder 1, box 138, folder 18-24 box 139, folder 2 box 139, folder 3 box 139, folder 4-13 box 139, folder 14-18	<b>1999 Climate Change Science: The Scientific Basis report: drafts and other materials, 2001-2002 Commission on Geosciences, Environment, and Resources, 1997 Congressional atmospheric change workshop, 1986 October Cooperation in the Energy Futures of China and the United States: report draft and other materials, 1998-2000 Coordinating Committee for the Transition to Sustainability, 2001 Critical Technologies committee, 1992 Defense Task Force report, 1995 December Earth and Life Studies (Division on), 2001-2002  Earth Sciences and Resources (Board on), 1995-1997 Energy Futures of China and the U.S., second joint meeting, 1998 Environmental Studies and Toxicology (Board on), 1986-2002  Film committee 1988-1994 Scope and Contents Includes materials on <i>The Infinite Voyage</i> television series. For a recording of the episode <i>Crisis in the Atmosphere</i>, featuring Rowland, see Series 8.  <b><i>The Infinite Voyage: Secrets From a Frozen World</i>. Pittsburgh: WQED, in association with the NAS. 1991</b></b>
box AV-001, item D004-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (59 minutes): sound, color. <b>Access</b> Archival original is restricted.
box AV-021, item D004-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (59 minutes): sound, color.
box AV-022, item D004-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (59 minutes): sound, color.

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**Foreign Secretary (Office of) and Office of International Affairs****Biographical / Historical**

Rowland served as the foreign secretary of the NAS from 1994 to 2002. The foreign secretary, elected by the membership of NAS, works out of the Office of International Affairs to serve as the official representative the NAS to counterpart science academies and other international organizations. The foreign secretary provides leadership and coordination on international programs and helps draw on the full range of capabilities of program units in developing international activities.

box 139,  
folder 19-31

**1993-1995**

box 140,  
folder 1-25

**1995-1999**

box 141,  
folder 1-23

**1997-1999**

box 142,  
folder 1-25

**1999-2002**

box 142,  
folder 26-28

**2003-2004 and undated**

box 143,  
folder 1-6

**Photographs, 1996-2001 and undated**

box 143,  
folder 7-8

**Frontiers of Science symposium, 1996**

box 143,  
folder 9-12

**Genetically modified organisms, crops, and foods, 1999 and undated**

box 143, folder 13  
box 143, folder 14

**Geophysical and Environmental Data (Committee on), 1995**

box 143,  
folder 15-17

**Global Change (Board on), 1994**

box 143, folder 18  
box 143, folder 19

**Global Change Research (Committee on), 1996**

box 143,  
folder 20-22

**Global Energy and Ecological Problems minisymposium, 1988 December**

box 143, folder 23  
box 143,  
folder 24-26

**Global Tropospheric Chemistry panel and steering committee, 1984-1986**

box 143, folder 27  
box 143,  
folder 28-30

***Growing Populations, Changing Landscapes: Studies from India, China, and the United States, 2001***

box 143,  
folder 31-32

**Habitat: United Nations Conference on Human Settlements, 1995****Human Rights (Committee on), 1992-2000****Human Rights and China meeting, 1996 October****Indian National Science Academy, U.S. delegation visit, 1998 January****Interacademy Council (IAC), 1998-2003****Interacademy Panel on International Issues (IAP)****Historical Background**

Rowland co-founded and served as co-chairman of the The InterAcademy Panel on International Issues (IAP). The IAP, officially created January, 1995, in New Delhi, is a network of the world's scientific academies providing advice to governments and international organizations and worked directly to inform public opinion on scientific aspects of issues of concern internationally. The InterAcademy Council (IAC) was constituted under the auspices of IAP to provide advice and recommendations on issues of global importance to those organizations and governments formally requesting such input.

box 144,  
folder 1-26

**1995-2000**

box 145,  
folder 1-16

**2000-2002****Scope and Contents**

Includes photographs.

box 145, folder 17-18	<b>2003-2004</b>
box 145, folder 19-27	<b>Intergovernmental Panel on Climate Change, 1991-2004</b>
box 145, folder 28	<b>International Activities of the Academy Complex planning committee, 1997</b>
box 145, folder 29	<b>International Advisory Board, 1999</b>
box 145, folder 30	<b>International Cooperation in Scientific and Engineering Research dialogue, 1996 October 17</b>
box 145, folder 31-33	<b>International Human Rights Network of Academies and Scholarly Societies, 1997-2001</b>
	<b>International Council of Scientific Unions (ICSU), Historical Background</b>
	The name was changed from the International Council of Scientific Unions to International Council for Science in 1998, but the acronym was maintained.
box 146, folder 1-22	<b>1993-1997</b>
box 147, folder 1-7	<b>1998-2001</b>
box 147, folder 8-19	<b>International Organizations and Programs (Committee on), 1994-2003</b>
box 147, folder 20-21	<b>International Security and Arms Control (Committee on), 1996-2001</b>
box 147, folder 22	<b>International Union of Pure and Applied Chemistry, 1998 February</b>
box 147, folder 23-24	<b>Marshaling Technology for Development symposium, 1994</b>
box 147, folder 25	<b>Megacities workshop, 2000 September</b>
box 148, folder 1-12	<b>National Academies Corporation Board of Directors: notes and meeting materials, 1997-2004</b>
	<b>National Academy of Sciences, general</b>
box 148, folder 13-17	<b>1982-1993</b>
box 148, folder 18-27	<b>1994-1995</b>
box 149, folder 1-19	<b>1996-1999</b>
box 150, folder 1-17	<b>2000-2002</b>
box 150, folder 18-20	<b>2003-2006 and undated</b>
	<b>National Academy of Sciences Council: meeting materials and notes</b>
box 150, folder 21-28	<b>1994</b>
box 151, folder 1-24	<b>1995-1996</b>
box 152, folder 1-23	<b>1997-1998</b>
box 153, folder 1-26	<b>1998-2000</b>
box 154, folder 1-24	<b>2000-2001</b>
box 155, folder 1-12	<b>2001-2002</b>
box 155, folder 13	<b>National Forum on Environment and Natural Resources Research and Development, 1994</b>
box 155, folder 14-23	<b>National Forum on Science and Technology Goals, 1995-1996</b>

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box 159, folder 17-24, box 156, folder 1-11 box 156, folder 12-25	<b>National Issues in Science and Technology, Preparing for the 21st Century reports: drafts and other materials, 1996-1997</b>
	<b>National Research Council, general, 1983-2002</b>
box 156, folder 26-33 box 157, folder 1-27 box 158, folder 1-24 box 159, folder 1-2 box 159, folder 3	<b>National Research Council Governing Board: meeting materials and notes 1994-1995</b>  <b>1996-2000</b>  <b>2000-2002</b>
	<b>National Science Education Standards report drafts, 1994</b>
box 159, folder 4 box 159, folder 5	<b>Nomination citation for F. Sherwood Rowland to the National Academy of Sciences, 1976-1978 and undated</b> <b>Public Understanding of Science (Office on), 1998</b> <b>Ongoing Challenge of Managing Carbon Monoxide Pollution in Fairbanks, Alaska: report draft, 2002</b>
box 159, folder 6	<b>Opportunities in Applied Environmental Research and Development (Committee on), 1998 October</b>
box 159, folder 7	<b>Ozone-Forming Potential of Reformulated Gasoline: report drafts and other materials, 1999</b> <b>Plants and Population: Is There Still Time? colloquium, 1999</b>
box 159, folder 8-9 box 159, folder 10-14 box 159, folder 15 box 159, folder 16	<b>Policy and Global Affairs committee, 1999-2002</b>
	<b>Population and Land Use meeting, 1994 December</b> <b>Population Summit of the World's Scientific Academies, 1993</b> <b>President's Circle (NAS) 1988-1995</b>
box 159, folder 25-28 box 160, folder 1-10 box 160, folder 11 box 160, folder 12-15 box 160, folder 16 box 160, folder 17 box 160, folder 18	<b>1996-2001</b>
	<b>President's Committee, 2001</b> <b>Proposed awards, 1995-2001</b>
box 160, folder 19 box 160, folder 20 box 160, folder 21 box 160, folder 22 box 160, folder 23 box 160, folder 24 box 161, folder 1-6 box 161, folder 7-8 box 161, folder 9 box 161, folder 10 box 161, folder 11 box 161, folder 12 box 161, folder 13-14	<b>Ramallah, Palestine visit, 1999 February-March</b> <b>Reconciling Observations of Global Temperature Change report: draft, 1999</b> <b>Research to Protect, Restore, and Manage the Environment report (partial): photocopy, 1993</b> <b>Royal Society of Chemistry meeting, 1997 September</b> <b>Royal Society of London, NAS Joint Officers' Meeting, 2001 September</b> <b>Royal Society meeting, 1991</b> <b>Scholarly Communication with China (Committee on), 1994 December</b> <b>Science of Climate Change (Committee on), 2002</b> <b>Science, Engineering and Public Policy, 2004</b> <b>Science, Technology, and Health Aspects of the Foreign Policy Agenda of the U.S., 1998-1999</b> <b>Scientific Academies and Councils of the Middle East, 1995 September</b>
	<b>Scientific Communication and National Security workshop, 2000 September</b> <b>The Scientific Method report, 1995</b> <b>Secretary of State (U.S.) breakfast, 1996 July</b> <b>Section of Chemistry, 1995</b> <b>South Africa trip, 1996</b>

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box 161, folder 15	<b>Strategic development plan, 1995 March</b>
box 161, folder 17-26	<b>Sustainable Development (Board on)</b>
box 162, folder 1-2	<b>1995-1997</b>
box 161, folder 16	<b>1998</b>
box 163, folder 2-4	<b>Sustainable Development and Economic Growth: conference proceedings, 1994</b>
box 162, folder 3	<b>Sustainable Development workshop, 1994</b>
box 162, folder 4-7	<b><i>Sustainable Habitats: Innovation and Technology to Meet Megacity Challenges,</i></b>
box 162, folder 8-11	<b>1995 October 17</b>
box 162, folder 12	<b>Sustainable Water Supplies for the Middle East (Committee on), 1996-1997</b>
box 162, folder 13-16	<b>Television Advisory Committee, 1994</b>
box 162, folder 17	<b>Television office, 1995 June</b>
box 162, folder 18-22	<b>Trilateral Workshop on Atmospheric Change and the North American</b>
box 162, folder 23	<b>Transportation Sector, 1997</b>
box 162, folder 24	<b>Tropospheric ozone pollution report: draft, 1998</b>
box 163, folder 1	<b>U.S. Global Change Research Program review, 1995-1996</b>
	<b>U.S. Liaison Committee/International Union of Pure and Applied Physics meeting,</b>
	<b>2001 June 5</b>
	<b>U.S. National Committee chairs,</b>
	<b>2000 March</b>
	<b>2001</b>
	<b>White House population forum. (Washington, D.C.), 1994 June</b>
	<b><i>Beyond the Numbers: Population Issues for the 21st Century:</i> video recording</b>
	<b>of CNN special report, 1994 June 30</b>
box AV-009, item D080-A	<b>Archival original</b>
	<b>Physical Description:</b> 1 video cassette (VHS) 114 minutes): sound, color.
	<b>Conditions Governing Access</b>
	Archival original is restricted.
box AV-021, item D080-U	<b>Use copy</b>
	<b>Physical Description:</b> 1 videodisc (DVD) (114 minutes): sound, color.
box AV-022, item D080-M	<b>Duplicating master copy</b>
	<b>Physical Description:</b> 1 videodisc (DVD) (114 minutes): sound, color.
	<b>Clinton, Bill (U.S. president): remarks, 1994 June 29</b>
	<b>Copy 1</b>
box AV-001, item D002-A	<b>Archival original</b>
	<b>Physical Description:</b> 1 video cassette (VHS) (31 minutes): sound, color.
	<b>Conditions Governing Access</b>
	Archival original is restricted.
box AV-021, item D002-U	<b>Use copy</b>
	<b>Physical Description:</b> 1 videodisc (DVD) (31 minutes): sound, color.
box AV-022, item D002-M	<b>Duplicating master copy</b>
	<b>Physical Description:</b> 1 videodisc (DVD) (31 minutes): sound, color.
	<b>Copy 2</b>

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box AV-007,  
item D062-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color .

**Conditions Governing Access**

Archival original is restricted.

box AV-021,  
item D062-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

box AV-022,  
item D062-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

box 163, folder 5  
box 163,  
folder 6-11  
box 163,  
folder 12-15

**World Conference on Science, UNESCO, 1999**  
**World Economic Forum, 1994-2001**

**World Summit on Sustainable Development, 2002**

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**Other professional activities** Subseries 9.2

**Scope and Content Summary**

This subseries is comprised of materials relating to Rowland's professional activities other than those involving the NAS and NRC. Included are correspondence, reports and report drafts, meeting materials, publications, and other materials.

**Arrangement**

The arrangement of this subseries is alphabetical by organization. Files are roughly chronological thereunder, with overlapping date ranges.

box 163,  
folder 16-19  
box 163, folder 20

**Acid Rain Peer Review Panel, 1981-1983**

box 163,  
folder 21-25  
box 164,  
folder 1-18

**Advanced Industrial Science and Technology Advisory Board, 2004**  
**Air Resources Board (ARB): proposals, reports and other materials,**  
**1994-1995**

**1995-1996**

box 165,  
folder 1-6  
box 165, folder 7  
box 165, folder 8  
box 165,  
folder 9-10

**1996**

**Alexander Von Humboldt Foundation, 1994**  
**Alternative Fluorocarbon Environmental Acceptability Study, 1989-1991**  
**American Academy of Arts and Sciences, 1995-2002**

**American Association for the Advancement of Science****Historical Background**

Beginning in 1991, Rowland served successive one-year terms as president-elect, president, and chairman of the board of the American Association for the Advancement of Science.

**Correspondence, meeting materials, publications, and other materials**  
**1989-1992**

box 165,  
folder 11-26  
box 166,  
folder 1-25  
box 167,  
folder 1-6

**1992-1997****1998-2004****Science Update radio series, 1991 April-October**

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box AV-017, item A004-A	<p><b>Archival original</b></p> <p><b>Physical Description:</b> 1 audio cassette (56 minutes).</p> <p><b>Conditions Governing Access</b></p> <p>Archival original is restricted.</p>
box AV-019, item A004-U	<p><b>Use copy</b></p> <p><b>Physical Description:</b> 2 sound discs (CD-ROM) (56 minutes): digital.</p>
box AV-020, item A004-M	<p><b>Duplicating master copy</b></p> <p><b>Physical Description:</b> 2 sound discs (CD-ROM) (56 minutes): digital.</p>
box 167, folder 7-15 box 167, folder 16-18 box 167, folder 19 box 167, folder 20-21	<p><b>American Chemical Society, 1975-2004</b></p> <p><b>American Geophysical Union, 1980-2005 and undated</b></p> <p><b>American Philosophical Society, 1995-2001</b></p> <p><b>American Physical Society, 1990-2004</b></p> <p><b><i>Celebrate a Century of Physics. American Physical Society video, 1999</i></b></p>
box AV-011, item D095-A	<p><b>Archival original</b></p> <p><b>Physical Description:</b> 1 video cassette (VHS) (7 minutes): sound, color.</p> <p><b>Conditions Governing Access</b></p> <p>Archival original is restricted.</p>
box AV-021, item D095-U	<p><b>Use copy</b></p> <p><b>Physical Description:</b> 1 videodisc (DVD) (7 minutes) : sound, color.</p>
box AV-022, item D095-M	<p><b>Duplicating master copy</b></p> <p><b>Physical Description:</b> 1 videodisc (DVD) (7 minutes) : sound, color.</p>
box 167, folder 22  box 167, folder 23-24 box 167, folder 25 box 167, folder 26 box 167, folder 27-31 box 168, folder 1 box 168, folder 2-10 box 168, folder 11 box 168, folder 12 box 168, folder 13-18 box 168, folder 19 box 168, folder 20 box 168, folder 21  box 168, folder 22 box 168, folder 23 box 168, folder 24 box 168, folder 25 box 168, folder 26 box 168, folder 27	<p><b>American Society of Heating, Refrigerating and Air-Conditioning Engineers, 1992-1999</b></p> <p><b>Atmospheric Chemistry and Global Pollution (Commission on), 1986-1998</b></p> <p><b>Argonne National Laboratory Chemistry Division Review Committee, 1976</b></p> <p><b>Berkeley Advisory Panel for Environmental, Ecological, and Earth Sciences, 1993</b></p> <p><b>Blasker Award committee of experts, 1996-1998</b></p> <p><b>Brookhaven National Laboratory chemistry visiting committee, 1973</b></p> <p><b>California Council on Science and Technology, 1988-2004</b></p> <p><b>California Energy Commission, 1991</b></p> <p><b>California Environmental Protection Agency, 1992</b></p> <p><b>California State Summer School for Math and Science (COSMOS) 2000-2006</b></p> <p><b>Californians for Clean Energy: Yes on Proposition 87 campaign materials, 2006</b></p> <p><b>Center for Conservation Biology, Stanford University, 1997</b></p> <p><b>Center for Integrating Statistical and Environmental Science, University of Chicago, 2003-2004</b></p> <p><b>CFC Chemical Substitutes Committee, 1987</b></p> <p><b>Congressional Seminar on Atmospheric Change, 1987</b></p> <p><b>Curricula vitae of colleagues, undated</b></p> <p><b>Dan David Prize selection committee, 2006</b></p> <p><b>Environmental Defense, 2006</b></p> <p><b>Environmental Protection Agency, science advisory board, 1988</b></p> <p><b>German-American Academic Council</b></p>

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box 168, folder 28-30	<b>1994-1995</b>
box 169, folder 1-14	<b>1996-2000</b>
box 169, folder 15	<b>Global Climate Change Digest editorial board, 1992-1999</b>
box 169, folder 16	<b>Greenwire board of analysts, 1991</b>
box 169, folder 17	<b>Ground-Based Ozone Trends sub-panel, 1987 July 30-31</b>
box 169, folder 18-19	<b>Institutional Collaborative Research Program, University of California, circa 1988-1992</b>
box 170, folder 1	<b>International Association of Meteorology and Atmospheric Physics, Ozone Commission, 1980-1993</b>
box 170, folder 2	<b>International Commission on Atmospheric Chemistry and Global Pollution, 1985</b>
box 170, folder 3	<b>International Geosphere-Biosphere Program, 1988</b>
box 170, folder 4	<b>International Global Atmospheric Chemistry planning meeting, 1988</b>
box 170, folder 5	<b>International Symposium on Free Radicals, International Advisory Committee, 2004</b>
box 170, folder 6-13	<b>Joint Appeal in Religion and Science, 1991-1992</b>
box 170, folder 14	<b>Manufacturing Chemists Association, 1979</b>
box 170, folder 15-18	<b>Max Planck Institute for Chemistry, 1994-1996</b>
box 170, folder 19	<b>McDonnell (James S.) Centennial Fellowships, 1999</b>
box 170, folder 20-23	<b>National Aeronautics and Space Administration (NASA), General 1983-2004</b>
box 170, folder 24-30	<b>Ozone Trends Panel, 1986-1988</b> <b>Historical Background</b> The NASA Ozone Trends Panel came into existence under the direction of NASA's Bob Watson in December of 1986, and made its conclusions public in March, 1988.
box 170, folder 31-32	<b>National Center for Atmospheric Research, 1984-1985</b>
box 170, folder 33	<b>National Council for Science and the Environment, 2000</b>
box 170, folder 34	<b>National Council for the Environment, Advisory Council, 1994</b>
box 170, folder 35	<b>National Institute of Advanced Industrial Science and Technology, 2003</b>
box 170, folder 36-37	<b>National Institute for Global Environmental Change, 1990-1993</b>
box 171, folder 1	<b>Natural Environment Research Council, 2000</b>
box 171, folder 2	<b>Natural Resources Defense Council, 1981-1992</b>
box 171, folder 3	<b>Ozone Action, 1997</b>
box 171, folder 4-7	<b>Packard Foundation, Interdisciplinary Advisory Panel, 1998-2002</b>
box 171, folder 8-9	<b>Professional activities summary, 1987-1989</b>
box 171, folder 10	<b>Renaissance Institute, 2000</b>
box 171, folder 11	<b>San Diego Science and Technology Council, 2004</b>
box 171, folder 12	<b>Science Journalism Workshop, Scripps Institution of Oceanography, 2004</b>
box 171, folder 13-22	<b>United Nations Environment Programme (UNEP): <i>Scientific Assessment of Ozone Depletion</i> drafts and related materials, 1998-2002</b> <b>Processing Information</b> Folders 21 and 22 are one folder.
	<b>Tyler Prize executive committee</b> <b>Scope and Content Note</b> Includes photographs.

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box 171, folder 23-30	<b>1990-2000</b>
box 172, folder 1-8	<b>2001-2009 and undated</b>
box 172, folder 9-10	<b>Union of Concerned Scientists, 1990-2004</b>
box 172, folder 11	<b>University Corporation for Atmospheric Research, Office for Interdisciplinary Earth Studies, 1986-2002</b>
box 172, folder 12	<b>Warmington Chair search committee, 1991</b>
box 172, folder 13	<b>Western Center of the National Institute on Global Environmental Change advisory committee, 1990</b>
box 172, folder 14	<b>World Academy of Art and Science, 1998</b>
box 172, folder 15	<b>World Meteorological Organization, 1976-1994 and undated</b>
box 172, folder 16	<b>World Resources Institute, 1986</b>

**Speaking engagements and meetings Series 10. 1958-2009 1974-2005****Physical Description:** 25.67 Linear Feet**Scope and Content Summary**

This series is comprised of materials related to lectures given, such as audiovisual recordings, manuscripts, programs, and correspondence. Also included are transcripts and other materials related to events in Congress and at the White House, and oversized materials such as posters for lectures. This series also includes a large amount of material related to attending conferences and giving lectures, including conference and lecture programs and correspondence.

**Arrangement**

This series is arranged in 4 subseries:

Subseries 10.1. Executive and legislative branch events

Subseries 10.2. Lectures and speeches

Subseries 10.3. Posters

Subseries 10.4. Conference, travel, and lecture files

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**Executive and legislative branch events Subseries 10.1****Scope and Content Summary**

Comprised of the transcripts of testimonies and prepared statements of Rowland and others before congressional committees and at White House events, along with related correspondence and documents. Also includes audio and video recordings.

**Arrangement**

Correspondence, transcripts and other paper materials are listed first, followed by audiovisual recordings. Within each section, arrangement is alphabetical by the title of the event.

**Correspondence, transcripts, and other materials,**

box 173, folder 1-2	<b>California Assembly Bill 1493: manuscript of remarks, photographs and other materials, 2002 July 22</b>
box 173, folder 3	<b>Congressional testimony index, 1958</b>
box 173, folder 4-11	<b>Congressional hearings and other events, 1974-1996</b>
box 174, folder 1-2	<b>2001-2004</b>
box 174, folder 3	<b>German Bundestag Commission of Inquiry, 1988</b>
box 174, folder 4	<b>Global Climate Change, East Room Roundtable (White House): photographs and other materials, 1997-1998</b>
box 174, folder 5	<b>Global Climate Change, roundtable discussion (U.S. Senate), 1996 June 11</b>

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box 175, folder 1	<b>Interagency Task Force on Inadvertent Modification of the Stratosphere, 1975 February 27</b>
box 175, folder 2	<b>National Forum on Environment and Natural Resources Research and Development, 1975 February 27</b>
box 175, folder 3	<b>Oregon Senate bill 771: hearings and proposed amendment, 1975</b>
box 175, folder 4	<b>Planet Earth Symposium (Paris): remarks by Al Gore (U.S. Senator) and other materials, 1989 June</b>
box 175, folder 5-6	<b>The Role of Science and Technology in Promoting National Security and Global Stability, 1995 March</b>
box 175, folder 7-8,	<b>Science in the National Interest Forum, Office of Science and Technology Policy, Executive Office of the President, 1974</b>
box 176, folder 1	

**Audio and video recordings****Access**

Archival originals are restricted.

**California State Senate Subcommittee on Higher Education hearing, 2005 May 11****Part 1****Archival original**

box AV-005,  
item D043-A

**Physical Description:** 1 video cassette (VHS) (125 minutes): sound, color.

**Use copy**

box AV-021,  
item D043-U

**Physical Description:** 1 videodisc (DVD) (125 minutes): sound, color.

**Duplicating master copy**

box AV-022,  
item D043-M

**Physical Description:** 1 videodisc (DVD) (125 minutes): sound, color.

**Part 2****Archival original**

box AV-005,  
item D042-A

**Physical Description:** 1 video cassette (VHS) (51 minutes): sound, color.

**Use copy**

box AV-021,  
item D042-U

**Physical Description:** 1 videodisc (DVD) (51 minutes): sound, color.

**Duplicating master copy**

box AV-022,  
item D042-M

**Physical Description:** 1 videodisc (DVD) (51 minutes): sound, color.

**Oregon State House of Representatives Environment and Energy Committee hearing, 1975 May****Scope and Content Note**

Oregon State House of Representatives Environment and Energy Committee hearing on Senate Bill 771, to ban chlorofluorocarbons (CFCs) as propellants in aerosols to protect the ozone layer. Rowland's testimony begins at approximately minute 13 on disc 3 of use copy.

**Archival original**

box AV-017,  
item A001-A

**Physical Description:** Audio recording on 1/4 inch tape reel (297 minutes).

**Physical Characteristics and Technical Requirements**

Recorded at 15/16 (2.4 cm) speed on open reel. Sound quality is poor.

**Use copy**

box AV-019,  
item A001-U

**Physical Description:** 5 sound discs (CD-ROM) (297 minutes): digital.

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box AV-020, item A001-M	<p><b>Duplicating master copy</b>  <b>Physical Description:</b> 5 sound discs (CD-ROM) (297 minutes): digital.</p> <p><b>U.S. Senate Energy and Natural Resources Committee hearing on global climate change, 2001 June 28</b></p> <p><b>Archival original</b>  <b>Physical Description:</b> 1 video cassette (VHS) (113 minutes): sound, color.</p> <p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (113 minutes): sound, color.</p> <p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (113 minutes): sound, color.</p> <p><b>U.S. Senate Environment Joint Subcommittees on Hazardous Wastes and Toxic Substances and Environmental Protection hearing on ozone depletion, 1988 March 30</b></p> <p><b>Copy 1</b></p> <p><b>Part 1</b></p> <p><b>Archival original</b>  <b>Physical Description:</b> 1 video cassette (VHS) (98 minutes): sound, color.</p> <p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (98 minutes): sound, color.</p> <p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (98 minutes): sound, color.</p> <p><b>Part 2</b></p> <p><b>Archival original</b>  <b>Physical Description:</b> 1 video cassette (VHS) (80 minutes): sound, color.</p> <p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (80 minutes): sound, color.</p> <p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (80 minutes): sound, color.</p> <p><b>Copy 2</b></p> <p><b>Scope and Content Note</b>  Interview with Robert Stafford (U.S. Senator, Vermont) about CFC depletion is cut off before the end.</p> <p><b>Part 1</b></p> <p><b>Archival original</b>  <b>Physical Description:</b> 1 video cassette (VHS) (60 minutes): sound, color.</p> <p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (60 minutes): sound, color.</p> <p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (60 minutes): sound, color.</p>
box AV-006, item D052-A	
box AV-021, item D052-U	
box AV-022, item D052-M	
box AV-014, item D148-A	
box AV-021, item D148-U	
box AV-022, item D148-M	
box AV-014, item D150-A	
box AV-021, item D150-U	
box AV-022, item D150-M	
box AV-014, item D149-A	
box AV-021, item D149-U	
box AV-022, item D149-M	

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box AV-014,  
item D152-A

**Part 2**  
**Archival original**

**Physical Description:** 1 video cassette (VHS) (82 minutes): sound, color.

box AV-021,  
item D152-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (82 minutes): sound, color.

box AV-022,  
item D152-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (82 minutes): sound, color.

**Copy 3**

**Scope and Content Note**

Hearing is followed by interview with Robert Stafford (U.S. Senator, Vermont) about CFC depletion.

box AV-006,  
item D060-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (222 minutes): sound, color.

box AV-021,  
item D060-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (222 minutes): sound, color.

box AV-022,  
item D060-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (222 minutes): sound, color.

**U.S. Senate Environment Public Works Subcommittee hearing on the  
greenhouse effect, 1988 September**

**Part 1**

box AV-001,  
item D006a-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (89 minutes): sound, color.

box AV-021,  
item D006a-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (89 minutes): sound, color.

box AV-022,  
item D006a-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (89 minutes): sound, color.

**Part 2**

box AV-001,  
item D006b-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (63 minutes): sound, color.

box AV-021,  
item D006b-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (63 minutes): sound, color.

box AV-022,  
item D006b-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (63 minutes): sound, color.

**White House (East Room) roundtable discussion on global climate change, 1997  
July 24**

box AV-011,  
item D096-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (70 minutes): sound, color.

box AV-021,  
item D096-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (70 minutes): sound, color.

box AV-022,  
item D096-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (70 minutes): sound, color.

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**Lectures and speeches** Subseries 10.2

**Scope and Content Summary**

This subseries comprises materials related to invited lectures, keynote addresses, speeches, symposia, colloquia, panel discussions, and similar types of events. Files include speech and lecture manuscripts and abstracts; panel discussion transcripts; audio and video recordings; lecture slides; programs; posters; correspondence; and other materials related Rowland's lectures and other events at which presented his work. Includes speeches, remarks, and lectures given at UC Irvine campus events (but see also Series 13 for materials related to events at UC Irvine). Manuscripts of Rowland's Nobel lecture and banquet response can be found in Series 12.

**Arrangement**

This subseries is arranged in 3 sections:

Manuscripts and related materials

Audio and video recordings

Slides for lectures

**Manuscripts and related materials**

**Arrangement**

This section begins with a list of invited lectures then continues with an alphabetical list of events at which speeches and lectures were given. At the end of this section are manuscripts filed roughly chronologically under the heading "Various lectures and speeches."

box 176, folder 2  
box 176, folder 3

**Invited lectures: lists, 1996-2001**

**American Association for the Advancement of Science, President's Lecture, 1993**

**Bio Vision Conference, Bibliotheca Alexandrina**

**2004**

**2008**

**Chafee (John H.) Memorial Lecture, 2000**

box 176, folder 4  
box 176, folder 5  
box 176,  
folder 6-7  
box 176,  
folder 8-9  
box 177,  
folder 1-2

**Delhi Sustainable Development Summit, 2003-2004**

**Ecology Law Quarterly Symposium on Environmental Law, circa 2000**

box 177, folder 3  
box 177, folder 4  
box 177, folder 5

**Gold Medal of the Academy of Athens, 2003**

**Milken Institute Global Conference, 2006**

**One-Hundredth Anniversary Celebration of the Discovery of Polonium and Radium (Warsaw), 1998**

box 177, folder 6  
box 177, folder 7

**Robertson Memorial Lecture, National Academy of Sciences, 1993**

**Science Council of Japan, 50th Anniversary Celebration 1999**

**Scope and Contents**

Includes photographs.

box 177, folder 8

**Spraydose Verboten? (A Ban on Aerosols?), Gottlieb Duttweiler Institute (Switzerland), 1977**

**Various lectures and speeches**

**1975-1991**

box 178,  
folder 1-6

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box 179,  
folder 1-10  
box 180,  
folder 1-10

**1993-2001****2002-2008 and undated****Audio and video recordings****Access**

Archival originals are restricted.

**Arrangement**

The arrangement is alphabetical by the title of the event or sponsor of the event.

**Scope and Content Summary**

This subseries is comprised of recordings of lectures and speeches given by Rowland. For many of the lectures, there is a question and answer period that is also recorded. Recordings of events at which Rowland gave a speech or brief remarks generally include the entire event.

box 180, folder 11

**Correspondence concerning recordings 1991-2005****Scope and Content Summary**

Letters and notes accompanying videotapes of lectures.

**American Association for the Advancement of Science annual meeting (Boston, Massachusetts). President's Lecture, 1993 February 14**

box AV-017,  
item A006-A

**Archival original**

**Physical Description:** 1 audio cassette (55 minutes).

box AV-019,  
item A006-U

**Use copy**

**Physical Description:** 1 sound disc (CD-ROM) (55 minutes): digital, 2 tracks.

box AV-020,  
item A006-M

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD-ROM) (55 minutes): digital, 2 tracks.

box AV-015,  
item D119-A

**American Chemical Society meeting (San Diego, California). Lecture, 2001 April****Archival original**

**Physical Description:** 1 video cassette (VHS) (50 minutes): sound, color.

**Physical Characteristics and Technical Requirements**

Recording cuts off before the end of the question-and-answer period.

box AV-021,  
item D119-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (50 minutes): sound, color.

box AV-022,  
item D119-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (50 minutes): sound, color.

box AV-005,  
item D040-A

**American Physical Society Centennial Meeting (Atlanta, Georgia).****Environmental and Medical Applications of Chemical Physics session, 1999****Archival original**

**Physical Description:** 1 video cassette (VHS) (36 minutes): sound, color.

box AV-021,  
item D040-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (36 minutes): sound, color.

box AV-022,  
item D040-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (36 minutes): sound, color.

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box AV-001, item D005-A	<p><b>American Society of Heating, Refrigerating, and Air-Conditioning Engineers meeting. <i>The Scientific Basis for Ozone Depletion, 1993</i></b>  <b>Archival originals (2 copies)</b>  <b>Physical Description:</b> 2 video cassettes (VHS) (82 minutes): sound, color.</p>
box AV-021, item D005-U	<p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (82 minutes): sound, color.</p>
box AV-022, item D005-M	<p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (82 minutes): sound, color.</p>
box AV-009, item D079-A	<p><b>Auburn (Alabama) University. York Distinguished Lecture. <i>Stratospheric Ozone Depletion by Chlorofluorocarbons, 1989 November 2</i></b>  <b>Archival original</b>  <b>Physical Description:</b> 1 video cassette (VHS) (74 minutes): sound, color.</p>
box AV-021, item D079-U	<p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (74 minutes): sound, color.</p>
box AV-022, item D079-M	<p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (74 minutes): sound, color.</p>
box AV-005, item D049-A	<p><b>Brookhaven National Laboratory. AUI Distinguished Lecture. <i>The Depletion of Stratospheric Ozone by CFC's, 1994</i></b>  <b>Archival original</b>  <b>Physical Description:</b> 1 video cassette (VHS) (75 minutes): sound, color.</p>
box AV-021, item D049-U	<p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (75 minutes): sound, color.</p>
box AV-022, item D049-M	<p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (75 minutes): sound, color.</p>
box AV-017, item D153-A	<p><b>Chinese University of Hong Kong. United College Distinguished Visiting Scholar Lecture. <i>Greenhouse Gases, Global Warming, and Climate Change, 2006 October 19</i></b>  <b>Archival original</b>  <b>Physical Description:</b> 1 videodisc (DVD) (88 minutes): sound, color.</p>
box AV-021, item D153-U	<p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (88 minutes): sound, color.</p>
box AV-022, item D153-M	<p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (88 minutes): sound, color.</p>
box AV-018, item D154-A	<p><b>Concerned Citizens for Peace meeting (Laguna Woods, Cal.). Lecture. "Greenhouse Gases and Climate Change," 2007 April 9</b>  <b>Archival original</b>  <b>Physical Description:</b> 1 videodisc (DVD) (53 minutes): sound, color.</p>
box AV-021, item D154-U	<p><b>Use copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (53 minutes): sound, color.</p>
box AV-022, item D154-M	<p><b>Duplicating master copy</b>  <b>Physical Description:</b> 1 videodisc (DVD) (53 minutes): sound, color.</p>

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- box AV-007,  
item D067-A
- Convocation for the Conferring of Degrees. University of Calgary. Acceptance of honorary degree and brief remarks, 1997 June 3**  
**Archival original**  
**Physical Description:** 1 video cassette (VHS) (105 minutes): sound, color.
- box AV-021,  
item D067-U
- Use copy**  
**Physical Description:** 1 videodisc (DVD) (105 minutes): sound, color.
- box AV-022,  
item D067-M
- Duplicating master copy**  
**Physical Description:** 1 videodisc (DVD) (105 minutes): sound, color.
- box AV-013,  
item D107-A
- Gustavus Adolphus College (St. Peter, Minnesota). Lecture. *Our Changing Atmosphere*, 1997**  
**Archival original**  
**Physical Description:** 1 video cassette (VHS) (88 minutes): sound, color.
- box AV-021,  
item D107-U
- Use copy**  
**Physical Description:** 1 videodisc (DVD) (88 minutes): sound, color.
- box AV-022,  
item D107-M
- Duplicating master copy**  
**Physical Description:** 1 videodisc (DVD) (88 minutes): sound, color.
- box AV-009,  
item D081-A
- Howard Florey Institute (Melbourne, Australia). Kenneth B. Myer Lecture. *The Changing Atmosphere in 2005*, 2005 February 24**  
**Archival original**  
**Physical Description:** 1 video cassette (VHS) (66 minutes): sound, color.
- box AV-021,  
item D081-U
- Use copy**  
**Physical Description:** 1 videodisc (DVD) (66 minutes) : sound, color.
- box AV-022,  
item D081-M
- Duplicating master copy**  
**Physical Description:** 1 videodisc (DVD) (66 minutes) : sound, color.
- box AV-008,  
item D070-A
- Lawrence Livermore National Laboratory. Roger E. Batzel Visiting Scholar Lecture. *Chlorofluorocarbons and Stratospheric Ozone Depletion*, 1989 July 6**  
**Archival original**  
**Physical Description:** 1 video cassette (VHS) (72 minutes): sound, color.
- box AV-021,  
box D070-U
- Use copy**  
**Physical Description:** 1 videodisc (DVD) (72 minutes): sound, color.
- box AV-022,  
item D070-M
- Duplicating master copy**  
**Physical Description:** 1 videodisc (DVD) (72 minutes): sound, color.
- box AV-004,  
item D038-A
- Los Alamos National Laboratory Director's Colloquium. *Man's Impact on the Atmosphere*, 1999 August 12**  
**Archival original**  
**Physical Description:** 1 video cassette (VHS) (69 minutes): sound, color.
- box AV-021,  
item D038-U
- Use copy**  
**Physical Description:** 1 videodisc (DVD) (69 minutes): sound, color.
- box AV-022,  
item D038-M
- Duplicating master copy**  
**Physical Description:** 1 videodisc (DVD) (69 minutes): sound, color.
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- box AV-017,  
item A007-A
- National Academy of Sciences annual meeting. Lecture, 1993 April 26**  
**Archival original**  
**Physical Description:** 1 audio cassette (51 minutes).
- box AV-019,  
item A007-U
- Use copy**  
**Physical Description:** 1 sound disc (CD-ROM) (51 minutes): digital, 2 tracks.
- box AV-020,  
item A007-M
- Duplicating master copy**  
**Physical Description:** 1 sound disc (CD-ROM) (51 minutes): digital, 2 tracks.
- National Academy of Sciences public symposium. University of California, Irvine, 1998 March 3**  
**Part 1**
- box AV-003,  
item D022-D023-A
- Archival original**  
**Physical Description:** 1 video cassette (VHS) (123 minutes): sound, color.
- box AV-021,  
item D022-D023-U
- Use copy**  
**Physical Description:** 2 videodiscs (DVD) (123 minutes): sound, color .
- box AV-022,  
item D022-D023-M
- Duplicating master copy**  
**Physical Description:** 2 videodiscs (DVD) (123 minutes): sound, color.
- Part 2**
- box AV-003,  
item D021-A
- Archival original**  
**Physical Description:** 1 video cassette (VHS) (23 minutes): sound, color.
- box AV-021,  
item D021-A
- Use copy**  
**Physical Description:** 1 videodisc (DVD) (23 minutes): sound, color .
- box AV-022,  
item D021-M
- Duplicating master copy**  
**Physical Description:** 1 videodisc (DVD) (23 minutes): sound, color .
- National Council for Science and the Environment. John H. Chafee Memorial Lecture on Science and the Environment. Washington, D.C., 2000 December 7**  
**Archival original**  
**Physical Description:** 1 video cassette (VHS) (102 minutes): sound, color.
- box AV-004,  
item D039-A
- Use copy**  
**Physical Description:** 1 videodisc (DVD) (102 minutes): sound, color .
- box AV-021,  
item D039-U
- Duplicating master copy**  
**Physical Description:** 1 videodisc (DVD) (102 minutes): sound, color .
- box AV-022,  
item D039-M
- Nobel Banquet 1995 December 10**  
**Language of Material:** The recording includes Swedish and English.  
**Scope and Content note**  
Part two includes Rowland's brief remarks on behalf of the recipients of the prize in Chemistry.
- box AV-012,  
item D101-A
- Part 1**  
**Archival original**  
**Physical Description:** 1 video cassette (VHS) (108 minutes): sound, color.
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box AV-021,  
item D101-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (108 minutes): sound, color.

box AV-022,  
item D101-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (108 minutes): sound, color.

**Part 2**

box AV-012,  
item D102-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (109 minutes): sound, color.

box AV-021,  
item D102-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (109 minutes): sound, color.

box AV-022,  
item D102-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (109 minutes): sound, color.

**Nobel Prize celebration at Aldrich Park, UC Irvine campus. Brief remarks, 1995 October 25**

box AV-003,  
item D024-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (27 minutes): sound, color.

box AV-021,  
item D024-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes): sound, color .

box AV-022,  
item D024-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes): sound, color.

**Nobel Prize in Chemistry panel discussion. Stockholm University, 1995**

box AV-002,  
item D015-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (59 minutes): sound, color.

box AV-021,  
item D015-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (59 minutes): sound, color.

box AV-022,  
item D015-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (59 minutes): sound, color.

**Nobel Prize reception given by the chancellor, UC Irvine, 1995 October 12**

box AV-003,  
item D025-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (33 minutes): color.

**Physical Characteristics and Technical Requirements**

Recording does not have sound.

box AV-021,  
item D025-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (33 minutes): color.

box AV-022,  
item D025-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (33 minutes): color.

**Ohio Foundation of Independent Colleges Evening of Excellence. Acceptance of award and brief remarks, 1996 April 10**

box AV-011,  
item D094-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (82 minutes): sound, color.

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box AV-021, item D094-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (82 minutes): sound, color.
box AV-022, item D094-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (82 minutes): sound, color.
box AV-010, item D087-A	<b>Oregon State University. (Corvallis, Oregon). Linus Pauling Lecture. <i>The Greenhouse Effect and Global Warming</i>, 1999 May</b> <b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (74 minutes): sound, color.
box AV-021, item D087-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (74 minutes): sound, color.
box AV-022, item D087-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (74 minutes): sound, color.
box AV-016, item D133-A	<b>Quadrennial Ozone Symposium (L'Aquila, Italy). Lecture, followed by Paul Crutzen lecture, 1996 September</b> <b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (121 minutes): sound, color.
box AV-021, item D133-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (121 minutes): sound, color.
box AV-022, item D133-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (121 minutes): sound, color.
	<b>Rochester Institute of Technology. John Wiley Jones Lecture. <i>Man's Threat to Stratospheric Ozone</i>, 1975 October</b> <b>Scope and Content Summary</b> There is an introduction by a few professors for Professor Rowland where he is awarded an award by John Wiley Jones on October 13th 1975. Professor F.S. Rowland begins to speak at RIT and speaks an opening word. Professor Rowland continues to speak about the depletion of the ozone layer. He explains in detail of how fluorocarbons are a catalyst of the destruction of the ozone layer though a chemical equation. He continues to speak about the chemistry of the stratosphere.
box AV-018, item D110-D111-A	<b>Archival original</b> <b>Physical Description:</b> 2 video cassettes (3/4 inch U-matic) (68 minutes): sound, black and white. <b>Physical Characteristics and Technical Requirements</b> Poor video quality at the end of the recording.
box AV-021, item D110-D111-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (70 minutes) : sound, black and white. <b>Processing Information</b> Single disk is numbered D110-D111.
box AV-022, item D110-D111-M, item Merritt MS-F029_D110-D111-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (70 minutes) : sound, black and white.

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- box AV-004,  
item D036-A
- San Diego State University. Distinguished Graduate Research Colloquium and Lecture. *Stratospheric Ozone Depletion: Chemical Causes and Human Consequences*, 1994 April 12**
- Archival original**
- Physical Description:** 1 video cassette (VHS) (121 minutes): sound, color.
- Physical Characteristics and Technical Requirements**
- The recording cuts off before the end of the lecture.
- box AV-021,  
item D036-U
- Use copy**
- Physical Description:** 1 videodisc (DVD) (121 minutes): sound, color.
- box AV-022,  
item D036-M
- Duplicating master copy**
- Physical Description:** 1 videodisc (DVD) (121 minutes): sound, color.
- box AV-010,  
item D086-A
- Simon Fraser University. British Columbia, Canada. Convocation address and conferral of honorary doctorate, 1991**
- Archival original**
- Physical Description:** 1 video cassette (VHS) (101 minutes): sound, color.
- box AV-021,  
item D086-U
- Use copy**
- Physical Description:** 1 videodisc (DVD) (101 minutes): sound, color.
- box AV-022,  
item D086-M
- Duplicating master copy**
- Physical Description:** 1 videodisc (DVD) (101 minutes): sound, color.
- box AV-009,  
item D077-A
- Tyler Prize Pavilion dedication event. University of Southern California. Los Angeles. brief remarks delivered, circa 1997**
- Archival original**
- Physical Description:** 1 video cassette (VHS) (33 minutes): sound, color.
- Access**
- Archival original is restricted.
- box AV-021,  
item D077-U
- Use copy**
- Physical Description:** 1 videodisc (DVD) (33 minutes): sound, color.
- box AV-022,  
item D077-M
- Duplicating master copy**
- Physical Description:** 1 videodisc (DVD) (33 minutes): sound, color.
- box AV-017,  
item A002-A
- University of California, Irvine. Lecture on isotopes, 1964**
- Archival original**
- Physical Description:** Audio recording on 1/4-inch tape reel.
- box AV-019,  
item A002-U
- Use copy**
- Physical Description:** 1 sound disc (CD-ROM) (63 minutes): digital.
- box AV-020,  
item A002-M
- Duplicating master copy**
- Physical Description:** 1 sound disc (CD-ROM) (63 minutes): digital.
- box AV-013,  
item D108-A
- University of California, San Diego. Helen Edison Lecture. *Two Atmospheric Problems: Climate Change and Ozone Depletion*, 1996 October 21**
- Archival original**
- Physical Description:** 1 video cassette (VHS) (55 minutes): sound, color.
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box AV-021, item D108-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (55 minutes): sound, color.
box AV-022, item D108-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (55 minutes): sound, color.
	<b>University of California, San Diego. <i>Science Futures. Global Change and the Future of Atmospheric Sciences, 1998</i></b>
box AV-006, item D058-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (59 minutes): sound, color.
box AV-021, item D058-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (59 minutes): sound, color.
box AV-022, item D058-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (59 minutes): sound, color.
	<b>University of Colorado at Boulder. Discovery Lecture Series 3. <i>Air Today, Gone Tomorrow, 1989 November 29</i></b>
box AV-007, item D066-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (62 minutes): sound, color.
box AV-021, item D066-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (62 minutes): sound, color.
box AV-022, item D066-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (62 minutes): sound, color.
	<b>University of North Carolina, Asheville. S.D. Squibb Distinguished Lecture series. 2004</b>
	<b><i>Hydrocarbons in Earth's Atmosphere</i></b>
box AV-006, item D059-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (90 minutes): sound, color.
box AV-021, item D059-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (90 minutes): sound, color.
box AV-022, item D059-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (90 minutes): sound, color.
	<b><i>Our Changing Atmosphere: Stratospheric Ozone Depletion and Global Warming</i></b>
box AV-006, item D056-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (90 minutes): sound, color.
box AV-021, item D056-U	<b>Use copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (90 minutes): sound, color.
box AV-022, item D056-M	<b>Duplicating master copy</b> <b>Physical Description:</b> 1 videodisc (DVD) (90 minutes): sound, color.
	<b>World Resources Institute seminar. National Press Club, Washington, D.C. <i>Marking a Milestone in Ozone Protection, 1996 January 4</i></b>
box AV-007, item D065-A	<b>Archival original</b> <b>Physical Description:</b> 1 video cassette (VHS) (105 minutes): sound, color.

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box AV-021,  
item D065-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (105 minutes): sound, color.

box AV-022,  
item D065-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (105 minutes): sound, color.

**Slides for lectures 1997-2004 and undated****Scope and Content Summary**

Included are slides Rowland used in his lectures and presentations. Also included are "Slide records for lectures": photocopies of sheets of slides that Rowland used in lectures he delivered on particular dates.

**Arrangement**

Slides that are labeled and filed using a system based on the Greek alphabet are first, including a subject index in the first folder. Next are slides numbered and filed in numbered order, followed by those that are either unnumbered or not in order. Folders that have a large percentage of slides picturing people, including Sherwood and Joan Rowland, are in the last two folders in this section. Slide sheets were kept in the same order as they were found in Rowland's binders.

**Processing Note**

Slides are described as "undated" since it is not known when they were created. However, many have dates marked on them. These dates generally correspond to the dates relevant to the subject of a slide, such as historical atmospheric data reflected in a chart or graph.

box 181,  
folder 1-7  
box 181,  
folder 8-41

**Slide records for lectures 1997-2004****Slides undated****Posters** Subseries 10.3

box 288, folder 3  
folder XOS 002

**1976-2008****2001-2008 and undated****Conference, travel, and lecture files,** Subseries 10.4**Scope and Content Summary**

This subseries comprises primarily correspondence, programs, agendas, abstracts, brochures, Rowland's extensive notes, and other materials related to conferences, meetings, and lectures. Also includes a small amount of planning correspondence for conferences and other events co-organized by Rowland. This subseries does include some abstracts for conference papers and lectures, but it does not include complete manuscripts or transcripts of speeches, lectures, or panel discussions. These can be found in Subseries 10.2.

**Arrangement**

The arrangement is chronological order by year, but not necessarily in any order within a given year. Materials found in original folders were usually left in them. Loose materials belonging to this subseries found throughout the collection were filed according to year.

box 182  
box 183  
box 184  
box 185  
box 186  
box 187

**circa 1960-1969****circa 1970-1973****circa 1974-1977****circa 1977-1980****circa 1980-1982****circa 1982-1984**

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box 188	<b>circa 1984-1986</b>
box 189	<b>circa 1986-1987</b>
box 190	<b>circa 1987-1988</b>
box 191	<b>circa 1989</b>
box 192	<b>circa 1990-1991</b>
box 193	<b>circa 1991-1992</b>
box 194	<b>circa 1992-1993</b>
box 195	<b>circa 1993-1995</b>
box 196	<b>circa 1995-1997</b>
box 197	<b>circa 1997-1999</b>
box 198	<b>circa 1999-2001</b>
box 199	<b>circa 2001-2004</b>
box 172, folder 17-41	<b>circa 2005-2009 and undated</b>
box 287, folder 4	

**Oversized materials: Mexican newspaper articles on the Morelia Symposium, 1991 September**

**General subject files and collected literature Series 11. 1956-2007 1981-2007**

**Physical Description:** 17 Linear Feet

**Series Scope and Content Summary**

This series is comprised primarily of gray literature, newsletters, and clippings collected by Rowland or sent to him. Subjects include environmental issues, notably ozone depletion and climate change, as well as public policy, activism, and other topics. Included are reports, newsletters, and other publications by governmental and non-governmental organizations; newspaper and magazine clippings; and other materials.

**Arrangement**

This series is arranged in 3 subseries:

Subseries 11.1. Subject files

Subseries 11.2. Reports and other non-periodical publications by organizations

Subseries 11.3. Newsletters

**Appraisal Note**

The vast majority of Rowland's collected news clippings and print-outs were retained. Materials not retained were those too time-consuming to file, such as entire magazine or newspaper pages in which the article of interest was not marked or cut out, and multiple-page articles where all of the pages were not found. In addition to news and magazine clippings, these non-retained materials include many loose pages from *Nature*, *Science*, and *Chemical and Engineering News*.

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**Subject files: clippings, correspondence, and other materials Subseries 11.1**

**Arrangement**

Arrangement is alphabetical by subject, and roughly chronologically thereunder.

**Processing Note**

The subjects and files in this series were created during processing. An attempt was made to file materials consistently. However, due to the volume of loose materials filed and the effort to process expeditiously, researchers should be aware that dates are approximate and overlapping, and articles on similar subjects may be found in different files throughout the series.

box 200, folder 1	<b>Academia, 1998-2001</b>
box 200, folder 2	<b>Academic programs in atmospheric science and photochemistry, 1989-1992</b>
box 200, folder 3-4	<b>Acid rain, 1979-1988</b>
box 200, folder 5	<b>Africa, 2000</b>

box 287, folder 7, box 200, folder 6-8	<b>Air pollution and air quality, 1982-2003</b> <b>Scope and Content note</b> Oversized map of Southern California air quality data can be found in Box 287, Folder 7.
box 201, folder 1 box 201, folder 2 box 201, folder 3 box 201, folder 4-5 box 201, folder 6 box 201, folder 7 box 201, folder 8 box 201, folder 9 box 201, folder 10 box 201, folder 11 box 201, folder 12 box 201, folder 13 box 201, folder 14 box 201, folder 15 box 201, folder 16 box 202, folder 1-5 box 202, folder 6-7 box 202, folder 8 box 202, folder 9 box 202, folder 10 box 203, folder 1-2, box 202, folder 11 box 203, folder 3-7 box 203, folder 8 box 203, folder 9 box 203, folder 10  box 203, folder 11 box 203, folder 12 box 203, folder 13-16	<b>Airline industry, circa 1998</b> <b>Alliance for Responsible Atmosphere Policy, circa 1991-1993</b> <b>Alliance for Responsible CFC Policy, 1993 and undated</b> <b>Alternative Fluorocarbons Environmental Acceptability Study (AFEAS), 1991-2004</b>  <b>American Society of Heating, Refrigerating, and Air Conditioning Engineers, 1991 Antarctic, 1977-2004</b> <b>Antarctic ozone, 1987-1992</b> <b>Anti-environmentalism, 2005</b> <b>Arctic ozone, 1993</b> <b>Arctic research, undated</b> <b>Astronomy, 2003</b> <b>Atmospheric chemistry, 1986-2003</b> <b>Australian weather, 2001</b> <b>Biomedical research, 2003</b> <b>Boussingault, Jean Baptiste Joseph Dieudonné, 2000-2002 and undated</b> <b>Bush, George W. (U.S. president) administration, 2001-2002</b>  <b>California, environmental issues, 1989-2004 and undated</b>  <b>California politics, undated</b> <b>Canadian government, 1987</b> <b>Census of fishes, 1997-1999</b> <b>Chemical manufacturers, 1975-1985 and undated</b>  <b>Chemical Manufacturers Association and related trade organizations, 1981-1998</b>  <b>Chemical tracers, 2001</b> <b>Chile, environmental problems and research, 2000-2002</b> <b>Chlorine, 1994-1996</b> <b>Chlorofluorocarbons (CFCs),</b> <b>    CFC-free products, undated</b> <b>    Reports, 1995</b> <b>    Regulations, 1986-1995</b>  <b>Climate change</b> <b>    Processing Note</b> Materials on the following topics were filed under this heading: greenhouse effect, global climate change, and global warming.
box 203, folder 17 box 204, folder 1-5 box 205, folder 1-8 box 206, folder 1-12 box 207, folder 1-8	<b>1975-2005</b> <b>1976-2004</b>  <b>1987-2006</b>  <b>1995-2003</b>  <b>2000-2006</b>

**Climate change denial and skepticism,**

**Scope and Content Note**

Also includes some materials on denial of the CFC theory of ozone depletion. However, most of these materials were filed under Ozone depletion, CFC theory: denial and skepticism.

box 207,  
folder 9-10

**1991-2001**

box 208,  
folder 1-4  
box 208,  
folder 5-6

**1995-2006**

box 208, folder 7  
box 208, folder 8  
box 209, folder 1

**Clinton, Bill (U.S. president) and his administration, 1993-1999**

**Cloud and aerosol research, 1994-1996**

**Comer, Gary, circa 2002-2003**

**Committee on Science, Space, and Technology (U.S. House of Representatives), 1992-1993**

**Communication of science, 1992-2004**

**Cost of university research: U.S. House of Representatives hearing, 1991 April 25**

**Criticism of science and environmental science, 1993-2006**

box 209, folder 2  
box 209, folder 3  
box 209,  
folder 4-5  
box 209,  
folder 6-7

**Crutzen, Paul J., 1986-2006**

**DuPont company: clippings and corporate materials,**

**1974, 1989-2004**

**1975-1993**

box 209, folder 8  
box 210,  
folder 1-6

**Earthquakes, 1991-2005**

**El Niño, 1992-2003 and undated**

**Endocrine disruptors, 1995-2000**

**Energy and fuel, 1981-2004**

**Energy, 1995-2002 and undated**

box 210, folder 7  
box 210, folder 8  
box 210, folder 9  
box 210, folder 10  
box 211,  
folder 1-3  
box 211,  
folder 4-5

**Environment, general, 1987-1999**

**Environmental issues, activism and policy**

**Clippings, ephemera, and other materials, 1974-2004**

box 211,  
folder 6-11  
folder XOS 002

**Posters, 1988-1994**

**Environmental Protection Agency**

**1978-1998**

**1985-2003**

box 211, folder 12  
box 212,  
folder 1-3

**Evolution, 1982, 1995-2002**

**Food supply, global, 1994**

**Framework Convention on Climate Change (United Nations), 1997**

**Genetic engineering, 1995-2005**

**Gore, Al (U.S. Senator and U.S. Vice President), 1988-2007**

**Greenhouse effect, 1989**

box 212, folder 4  
box 212, folder 5  
box 212, folder 6  
box 212, folder 7  
box 212, folder 8  
box 212, folder 9

**Scope and Contents**

See also materials filed under climate change.

box 212,  
folder 10-12

**Hansen, James, 1984-2005**

**History of science, 1985-2003**

**Humor, 1973-2005**

**Scope and Content note**

Box 287, folder 7 includes some oversized materials.

box 213, folder 1  
box 287, folder 7,  
box 213, folder 2

box 213, folder 3	<b>IBM, 1989-1993</b>
box 213, folder 4	<b>Intermagnetics general, 1994-1995</b>
box 213, folder 5	<b>Irvine, City of, 1989-1990</b>
box 213, folder 6	<b>Japan, 1989-2001</b>
box 213, folder 7	<b>Keeling, Charles, 2005</b>
box 213, folder 8	<b>Kyoto Treaty, 2001</b>
box 213, folder 9	<b>Lomborg, Bjorn, circa 2002-2003</b>
box 213, folder 10	<b>Lawsuits against pharmaceutical companies, 1992</b>
box 213, folder 11	<b>Libby, Willard F., 2000-2005</b>
box 213, folder 12	<b>Lovelock, James, 1981</b>
box 213, folder 13	<b>Marshall (George C.) Institute, 2001-2004</b>
box 213, folder 14	<b>Mercury levels in fish, 2000 and undated</b>
box 214, folder 1	<b>Methane, 1988-2003</b>
box 214, folder 2	<b>Methyl bromide, 1992-1995</b>
box 214, folder 3-6	<b>Mexico City air quality, circa 1993-2000</b>
box 214, folder 7	<b>Military (U.S.), circa 1995</b>
box 214, folder 8	<b>Millennium bug, 1998</b>
box 215, folder 1	<b>Molina, Mario, 1971-1997 and undated</b>
	<b>Montreal Protocol on Substances that Deplete the Ozone Layer (United Nations), 1990-1998</b>
box 215, folder 2-8	
box 216, folder 1-3	<b>1987-1989</b>
box 216, folder 4	<b>Motion pictures and television, 1992, 2004 and undated</b>
box 216, folder 5-6	<b>National Aeronautics and Space Administration, 1985-2003 and undated</b>
box 216, folder 7	<b>National Association of State Universities and Land Grant Colleges, Commission on Food, Environment, and Renewable Resources, 1994</b>
box 216, folder 8	<b>National Fuel Cell Research Center, 1998-1999</b>
box 216, folder 9	<b>National Oceanic and Atmospheric Administration, circa 1995 and undated</b>
box 217, folder 1	<b>National Science Foundation, 1966, 1992</b>
box 217, folder 2	<b>National Science Resources Center, 1997-1999</b>
box 217, folder 3	<b>National security, 1989-2003</b>
box 217, folder 4	<b>Nuclear proliferation and disarmament, 1986-2002</b>
box 217, folder 5	<b>Nuclear weapons, nuclear waste, and nuclear energy, 1983-1999</b>
box 217, folder 6	<b>Ohio Wesleyan University, 1998</b>
box 217, folder 7	<b>Oregon ozone legislation, 1975</b>
	<b>Ozone</b>
	<b>Scope and Content Summary</b>
	Includes news clippings and photocopies, notes, reports, and other materials on ozone-related issues, primarily as they relate to the CFC theory of stratospheric ozone depletion.
box 217, folder 8-13	<b>1968-2005</b>
box 218, folder 1-9	<b>1976-1996</b>
box 219, folder 1-9	<b>1982-1996</b>
box 220, folder 1-8	<b>1987-2003</b>
box 221, folder 1-9	<b>1991-2005</b>
box 221, folder 10	<b>Ozone depletion: denial and skepticism of the CFC theory, 1981-1998</b>

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box 222, folder 1-8	<b>1986-2005</b>
box 223, folder 1-2	<b>1993-2002</b>
box 223, folder 3	<b>Pauling, Linus, 1994-1998</b>
box 223, folder 4	<b>Perverse subsidies, 1997</b>
box 223, folder 5	<b>Pew Center for Global Climate Change, 1998-2003</b>
box 223, folder 6	<b>Pharmaceutical companies, 1964</b>
box 223, folder 7	<b>Philanthropy, 1999</b>
box 223, folder 8	<b>Polar research, 1999-2002</b>
box 223, folder 9	<b>Politics, general, 1992-2006</b>
box 223, folder 10	<b>Politics and science, 1992-1999</b>
box 223, folder 11	<b>Poverty, 2003</b>
box 223, folder 12	<b>Public health, environmental issues, 1993-1997</b>
box 223, folder 13	<b>Radiation, research, 1999</b>
box 224, folder 1	<b>Reagan administration, 1984</b>
box 224, folder 2	<b>Refrigeration and air conditioning, 1988-1996</b>
box 224, folder 3	<b>Royal Society, 2003-2005</b>
box 224, folder 4	<b>Russia, 2001</b>
box 224, folder 5	<b>Scandinavian atmospheric research, 1995-2003</b>
box 224, folder 6	<b>Science, various topics, 1981-1999</b>
box 224, folder 7-10	<b>Science education, 1965-2006 and undated</b>
box 224, folder 11-12	<b>Science policy, 1983-2004</b>
box 224, folder 13	<b>Scientific conduct and related issues, 1982-1996</b>
box 225, folder 1	<b>Scientific controversies, 1977-1978</b>
box 225, folder 2	<b>Scientific literacy and public perceptions of science, 1990-2005</b>
box 225, folder 3	<b>Scientists, biographical information and interviews, 1978-2006 and undated</b>
box 225, folder 4	<b>Seawater and sea ice, 1984-1995</b>
box 225, folder 5	<b>Seitz, Frederick, 1994-1997</b>
box 225, folder 6-8	<b>Singer, S. Fred, 1983-2004</b>
box 225, folder 9	<b>Smith, Joan Irvine: correspondence and other materials, 2003-2004</b>
box 225, folder 10	<b>Soviet Union, 1987</b>
box 226, folder 1	<b>Sunspots, 1984-1993</b>
box 226, folder 2-3	<b>Sustainability, 1993-2002</b>
box 226, folder 4	<b>Switzerland, 2000</b>
box 226, folder 5	<b>Terrorism, 1998</b>
box 226, folder 6	<b>Ultraviolet radiation, 1992 and undated</b>
box 226, folder 7-8	<b>United Nations Environment Programme, 1989-2002</b>
box 226, folder 9	<b>Various topics, 1990-2004</b>
box 226, folder 10	<b>Vehicle emissions, 1998</b>
box 226, folder 11	<b>Venture capital literature, 1997 and undated</b>
box 226, folder 12-13	<b>Vienna Convention for the Protection of the Ozone Layer (1985), 1991-1995 and undated</b>
box 227, folder 1	<b>Water pollution and other water issues, 1995-2002</b>
box 227, folder 2	<b>Wilson, Steve D. manuscripts, 1965-1971 and undated</b>
box 227, folder 3-4	<b>World Meteorological Organization, 1990-2002 and undated</b>
box 227, folder 5	<b>World population, 1994-1999</b>

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**Reports and other non-periodical publications by organizations** Subseries 11.2

**Arrangement**

Arrangement is alphabetical by name of the organization.

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box 227, folder 6	<b>Abdus Salam International Center for Theoretical Physics, 2001</b>
box 227, folder 7	<b>Air Pollution Network (Milan, Italy), 1995-1996</b>
box 227, folder 8	<b>Alliance for Responsible CFC Policy, undated</b>
box 227, folder 9	<b>American Association for the Advancement of Science, 1996</b>
box 227, folder 10	<b>American Enterprise Institute, 1995</b>
	<b>American Geophysical Union</b>
	<b>1992</b>
box 227, folder 11	<b>1994</b>
box 228, folder 1	<b>Argonne National Laboratory, 1993-1997</b>
box 228, folder 2	<b>Association for Conservation of Energy, 1989</b>
box 228, folder 3	<b>Atmosphere Alliance (Earth Island Institute), 1995</b>
box 228, folder 4	<b>Brazilian Academy of Sciences, 2000</b>
box 228, folder 5	<b>Bureau of Meteorology (Australia), 1992</b>
box 228, folder 6	<b>California Energy Commission, 1999</b>
box 228, folder 7	<b>Cape Grim Baseline Air Pollution Station, 1995</b>
box 228, folder 8	<b>Carbon Dioxide Information Analysis Center, 1991</b>
box 229, folder 1	<b>Center for Global Change, 1992</b>
box 229, folder 2	<b>Chinese University of Hong Kong, circa 2006</b>
box 229, folder 3	<b>Chulaborn Research Institute, 1999</b>
box 229, folder 4	<b>Citizens for a Better Environment, 1989</b>
box 229, folder 5	<b>Climate Institute, 1987-1988</b>
box 229,	
folder 6-7	
box 230, folder 1	<b>Cooperative Research Center for Southern Hemisphere Meteorology (Australia), 1999</b>
box 230, folder 2	<b>Council on Environmental Quality, 1993</b>
box 230, folder 3	<b>Department of the Environment (U.K), 1996</b>
box 230, folder 4	<b>Electric Power Research Institute, 1993</b>
box 230, folder 5	<b>Energy Information Administration, U.S. Department of Energy, 2005</b>
box 230, folder 6	<b>Energy (U.S. Department of) publications, 1997</b>
box 230, folder 7	<b>Environmental Defense Fund, 1995</b>
	<b>Environmental Protection Agency</b>
	<b>1978-1983</b>
box 230, folder 8	<b>1987-1997</b>
box 231,	
folder 1-5	
box 231, folder 6	<b>European Commission, 2001</b>
box 232, folder 1	<b>European Environment Agency, 1997</b>
box 232, folder 2	<b>European Space Agency, 1993</b>
box 232, folder 3	<b>Global Atmosphere Watch, 1991</b>
box 232, folder 4	<b>Global Environmental Assessment Project, 1997</b>
box 232, folder 5	<b>Global Systems Science, UC Berkeley, 2004</b>
box 232, folder 6	<b>Green Cross, 2004</b>
box 232, folder 7	<b>Green Peace, 1988</b>
box 232, folder 8	<b>Green Seal, 1992</b>
box 232, folder 9	<b>Howard Hughes Medical Institute, 1996</b>
box 232, folder 10	<b>Industrial Technology Research Institute, 1991</b>
box 232, folder 11	<b>Institute for Inland Water Management and Wastewater Treatment (Netherlands), undated</b>
	<b>Institute of Transportation Studies, UC Davis, 1998</b>
box 232, folder 12	<b>Integrated Global Atmospheric Chemistry Observation Theme Team, 2004</b>
box 232, folder 13	<b>Intergovernmental Panel on Climate Change, 1990-1995</b>
box 232,	
folder 14-15	
box 233, folder 1	<b>International Bank for Reconstruction and Development, The World Bank, 1994</b>
box 233, folder 2	<b>International Centre of Insect Physiology and Ecology (Nairobi, Kenya), 1998</b>
box 233, folder 3	<b>International Chamber of Commerce, 2001</b>
box 233, folder 4	<b>International Geosphere-Biosphere Program, 1992 and undated</b>
box 233, folder 5	<b>International Institute for Applied Systems Analysis (Austria), 1991</b>
box 233, folder 6	<b>International Union of Geological Sciences, undated</b>

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box 233, folder 7	<b>Johnson Wax, undated</b>
box 233, folder 8-11	<b>Lawrence Livermore National Laboratory, 1981-1992</b>
box 233, folder 12	<b>Leadership for Environment and Development, 1998-1999</b>
box 233, folder 13	<b>Mobile Air Conditioning Society, 1991</b>
box 233, folder 14	<b>Nagaland Environmental Protection and Economic Development (India), 1999</b>
box 233, folder 15	<b>National Academy of Engineering, 1994</b>
box 234, folder 1	<b>National Academy of Sciences, 1956, 1984</b>
	<b>National Aeronautics and Space Administration 1984-1997</b>
box 234, folder 2-7	
box 235, folder 1-2	<b>2003 and undated</b>
box 235, folder 3	<b>National Center for Policy Analysis and Competitive Enterprise Institute, 1997</b>
box 235, folder 4	<b>National Council for Environmental Balance, Inc., 1990</b>
box 235, folder 5	<b>National Council for Science and Environment, 2001</b>
box 235, folder 6-9	<b>National Oceanic and Atmospheric Administration, 1988-1999 and undated</b>
box 235, folder 10	<b>National Science Foundation, 1988-1992</b>
box 236, folder 1	<b>National Science and Technology Council, 1995-1997</b>
box 236, folder 2	<b>Natural Resources Defense Council, 1987</b>
box 236, folder 3	<b>North Atlantic Treaty Organization, Advanced Study Institute on Atmospheric Ozone and Human Influences, 1979</b>
box 236, folder 4	<b>Nuclear Waste Technical Review Board, 1996</b>
box 236, folder 5	<b>Oak Ridge Institute for Science and Education, 1992</b>
box 236, folder 6	<b>Oak Ridge National Laboratory, 1986</b>
box 237, folder 1	<b>Pew Center on Global Climate Change, 1998-1999</b>
box 237, folder 2	<b>Pontifical Academy of Sciences, 1984</b>
box 237, folder 3	<b>Population Action International, 1998</b>
box 237, folder 4	<b>President's Committee of Advisors on Science and Technology, 1998</b>
box 237, folder 5	<b>Robert A. Welch Foundation, 1957</b>
box 237, folder 6	<b>Royal Society (U.K.), 1999-2004</b>
box 237, folder 7	<b>Sigma Xi, Scientific Research Society, 1994</b>
box 237, folder 8	<b>Southern Oxidants Study, 1995</b>
box 237, folder 9	<b>Standard Alaska Production Company, 1988</b>
box 237, folder 10-11	<b>Stratospheric Processes and Their Role in Climate (SPARC), World Climate Research Program, 2001-2004</b>
box 238, folder 1	<b>Tata Energy Research Institute (TERI), 1997</b>
box 238, folder 2	<b>Union Camp Corporation, undated</b>
box 238, folder 3	<b>United Nations Environment Programme, 1994-2002</b>
box 238, folder 4	<b>United States Conference of Mayors, 2007</b>
box 238, folder 5	<b>U.S. Department of Energy, 1993</b>
box 238, folder 6	<b>University Corporation for Atmospheric Research, 1992</b>
box 238, folder 7	<b>Wildland Resources Center, University of California, 1992</b>
	<b>World Bank 1995-1999</b>
box 238, folder 8-10	
box 239, folder 1	<b>2001</b>
box 239, folder 2	<b>World Business Council for Sustainable Development, 2000</b>
box 239, folder 3	<b>World Climate Programme Research, 1993</b>
box 239, folder 4-5	<b>World Meteorological Organization, 1982-2002</b>
box 239, folder 6-8	<b>World Resources Institute, 1991-1993</b>
box 239, folder 9-10	<b>World Watch Institute, 1992-1996</b>
box 239, folder 11	<b>World Wide Fund for Nature, 1991</b>

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**Newsletters Subseries 11.3****Arrangement**

Arrangement is alphabetical by title of publication. Filed under "Newsletters, various" are several alphabetical files each containing single issues of several different newsletters.

box 239, folder 12  
 box 239, folder 13  
 box 239, folder 14  
 box 239,  
 folder 15-16  
 box 240, folder 1  
 box 240, folder 2  
 box 240, folder 3  
 box 240, folder 4  
 box 240, folder 5  
  
 box 240, folder 6  
 box 240, folder 7  
 box 240, folder 8  
 box 240, folder 9  
 box 240, folder 10  
 box 240, folder 11  
 box 240, folder 12  
  
 box 240, folder 13  
  
 box 240, folder 14  
 box 241,  
 folder 1-2  
 box 241, folder 3  
 box 241, folder 4  
  
 box 241, folder 5  
 box 241, folder 6  
 box 241, folder 7  
 box 241, folder 8  
 box 241, folder 9  
  
 box 241, folder 10  
  
 box 241, folder 11  
 box 241, folder 12  
 box 241, folder 13  
 box 241, folder 14  
 box 242, folder 1  
 box 242, folder 2  
 box 242, folder 3  
 box 242, folder 4

***Air Daily, 1997***

***Atmosphere, Friends of the Earth International on Ozone Protection, 1988-1993***

***CIIT Activities, Chemical Industry Institute of Toxicology, 1994***

***Climate Alert, The Climate Institute, 1988-2001***

***Earth Matters, Columbia Earth Institute, 1998-1999***

***ER News, Office of Energy Research, 1992-1993***

***Eurotrac Newsletter, Eureka Environmental Project (Germany), 1993-2000***

***Geographic Institute Quarterly, 1993-1994***

***Global Change Newsletter, International Geosphere-Biosphere Program, 1992-2002***

***Global Environmental Change Report, Cutter Information Corporation, 1992-1996***

***Hallim Newsletter, Korean Academy of Science and Technology, 1997-1998***

***Humboldt News, Alexander von Humboldt Association of America, 2002***

***IGACTivities, International Global Atmospheric Chemistry Project, 1997-2003***

***IGCC Newsletter, Institute on Global Conflict and Cooperation, 1993-1999***

***JPA Newsletter, Tokyo Institute of Technology, 1991-1993***

***Lunar and Planetary Information Bulletin, Lunar and Planetary Institute, Universities Space Research Associated, 1992-1993***

***Monthly Update, Atmosphere Chemistry Program, Research and Consulting Services in the Environmental and Earth Sciences, 1995-1996***

**Newsletters, various**

**A-D, 1984-2000**

**E-N, 1987-2005**

**S-W, 1986-2001**

***Newsline, National Association of State Universities and Land Grant Colleges, 1993-1998***

***No Sweat News, The Atmosphere Alliance, 1993***

***Nuclear Energy Insight, 1996-2000***

***OzonAction, United Nations Environment Programme, 1993-1998***

***Physics and Society, American Physical Society, 1999-2006***

***Population Newsletter, United Nations Population Division Department of Economic and Social Affairs, 1998-1999***

***Research GAIM (Global Analysis, Interpretation, and Modelling Task Force), International Geosphere-Biosphere Programme, 1999***

***Risk in Perspective, Harvard Center for Risk Analysis, 1995-1999***

***STEP International, USSCO, 1993***

***SPARC Newsletter, The World Climate Research Programs, 1993-2005***

***TERI Globe, Tata Energy and Resources Institute, 2000-2001***

***UNEP Newsletter, United Nations Environment Programme, 1992***

***Urban Forests, American Forestry Association, 1993-1994***

***Western Inquirer, Friends of the Center for Inquiry-West, 1999***

***WRI Issues and Ideas, World Resources Institute, 1989-2001***

**Awards and honors Series 12. 1974-2009****Physical Description:** 5.25 Linear Feet**Historical Background**

In addition to the Nobel Prize in chemistry (1995), Rowland's awards and recognition include the Tyler World Prize in Ecology and Energy (1983) and the Award for Creative Advances in Environmental Science and Technology for the American Chemical Society (1983), both of which he shared with Mario Molina; Charles A. Dana Award for Pioneering Achievements in Health (1987); membership in the Global 500, the Honor Role of the United Nations Environment Programme (1988); the Japan Prize in Environmental Science and Technology (1989); the Albert Einstein Prize of the World Cultural Council (1994); and, with Molina, the Chemical Breakthrough Award of the American Chemical Society (2006). Rowland was awarded the American Chemical Society 1993 Peter Debye Medal in Physical Chemistry, the 1994 Roger Revelle Medal of the American Geological Union, the 1997 Nevada Medal, the 2003 Gold Medal of the Academy of Athens.

Rowland received honorary degrees from institutions including the University of Chicago, Ohio Wesleyan University, Duke University, Princeton University, Haverford College, Whittier College, Clark University, Gustavus Adolphus College, Carleton College, Occidental College, Ohio State University, Simon Fraser University (Canada), University of Calgary (Canada), East Anglia University (UK), University of Urbino (Italy), Kanazawa University (Japan), LaTrobe University (Australia), and University of Waterloo (Canada).

**Scope and Content Summary**

This series includes speech manuscripts, certificates, correspondence, photographs, and other materials related to Rowland's many awards and honors. For plaques and other three-dimensional objects received in connection with rewards, see Series 15: Plaques and other artifacts.

**Arrangement**

This series is arranged in 3 subseries:

Subseries 12.1. Nobel Prize in chemistry (1995)

Subseries 12.2. Other awards and honors

Subseries 12.3. Award certificates, posters, and other oversized materials

**Nobel Prize in chemistry (1995) Subseries 12.1****Scope and Content Summary**

This subseries includes manuscripts for Rowland's Nobel lecture and banquet response; letters, cards, and a recording of telephone answering-machine messages congratulating him on being awarded the Nobel Prize in chemistry; correspondence and other materials relating to Nobel Week activities; photographs; some clippings of news articles about the announcement of the prize; and other materials. (For recordings of television news broadcasts about the announcement, see Series 8, Media and Publicity Materials.)

**Arrangement**

The arrangement of this subseries is alphabetical.

box 242,  
folder 5-7  
box 242, folder 8

**Award announcement and Nobel Week activities: photographs, correspondence and other materials, 1995 October-December**  
**Banquet Response for Nobel Prize in Chemistry: manuscripts, 1995**  
**Congratulations**

box 242, box 243,  
box 244, box 245

**Cards, letters, and other correspondence, 1995**

**Scope and Content note**

Includes photographs.

**Telephone answering machine messages: audio recording, 1995 October 11**

**Scope and Content note**

The recording contains messages congratulating Rowland on winning the Nobel Prize in chemistry. Included are messages from reporters, colleagues, and public figures including U.S. Vice President Al Gore.

box AV-017,  
item A009-A

**Archival original**

**Physical Description:** 1 audio cassette (25 minutes).

**Access**

Archival original is restricted.

box AV-019,  
item A009-U

**Use copy**

**Physical Description:** 1 sound disc (CD-ROM) (25 minutes): digital.

box AV-020,  
item A009-M,  
item Merritt  
MS-F029-A009

**Duplicating master copy**

**Physical Description:** 1 sound disc (CD-ROM) (25 minutes): digital.

box 288, folder 4  
box 245, folder 6  
box 245, folder 7  
box 288, folder 5

**Ephemera (oversized), 1995-2008**

**Nobel Foundation: correspondence, 1996**

**News clippings (photocopies), 1995-1996**

**Newspaper articles (oversized), 1995 October 12**

**Nobel laureates events and activities: invitations, photographs, and other materials,**

**1996-2003**

box 245,  
folder 8-11

**1999-2007**

box 246,  
folder 1-11

**2009**

box 247, folder 1  
box 247, folder 2

**Nobel Lecture in Chemistry: manuscripts, offprints, and other materials, 1995**

**Nobel Prize, general: publications and other materials, 1983-2002**

box 247,  
folder 3-4  
box 247, folder 5

**White House reception for Nobel laureates: correspondence, photographs, and other materials, 1995 November**

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**Other awards and honors: correspondence, photographs, and other materials,**

Subseries 12.2

**Scope and Content Summary**

This subseries includes announcements, schedules and correspondence concerning awards received by Rowland.

**Arrangement**

Arrangement of this subseries is alphabetical by name of the award, with a few files each containing materials relating to various awards and honorary degrees at the end of the list.

box 247,  
folder 6-7  
box 248, folder 1  
box 248, folder 2  
box 248, folder 3  
box 248,  
folder 4-5

**Academic All-America Hall of Fame (GTE/Verizon)**

**2000**

**2001-2002**

**Albert Einstein World of Science, 1994**

**American Chemical Society, 1974-1977, 1994-2001**

**Environmental Protection Agency Stratospheric Ozone Protection Award, 1993-1998**

**Japan Prize for Environmental Science and Technology**

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box 248, folder 6-9	<b>1989</b>
box 249, folder 1-4	<b>1989-2003</b>
box 249, folder 5-6	<b>Tyler Prize for Environmental Achievement, 1983 and undated</b>
box 249, folder 7-9	<b>United College (Hong Kong) Distinguished Visitor Scholar, 2006</b>
box 249, folder 10-12	<b>United Nations Environment Programme awards, 1988-2005</b>
box 249, folder 13-15	<b>Various awards, 1987-1999</b>
box 250, folder 1-2	<b>Various honorary degrees, 1989-2001</b>

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**Award certificates, posters, and other oversized materials, Subseries 12.3****Scope and Content Summary**

In addition to certificates and honorary diplomas, this subseries includes some photographs and a small number of manuscripts and outlines for acceptance speeches.

**Arrangement**

The listing of materials is roughly chronological.

box 287, folder 5	<b>1988-1994</b>
box 251	<b>1989-2004</b>
box 252	<b>1980-2000</b>
box 288, folder 6-7	<b>1992-2000</b>
folder XOS 001	<b>1995</b>

**University of California, Irvine: correspondence and other materials, Series 13. 1964-2009**

**Physical Description:** 4.27 Linear Feet

**Series Scope and Content Summary**

This series includes materials arising from Rowland's activities at UC Irvine not directly related to conducting research. Included are materials concerning several university departments, the Office of Communications, development activities, and several UC Irvine colleagues, most notably Ralph J. Cicerone. Included is a large amount of correspondence, some promotional materials, clippings, a few photographs, and other materials.

**Arrangement**

The arrangement is alphabetical.

box 250, folder 3
box 250, folder 4

**Academic appointment, 1989-2001****Academic Senate, 1977-1978****Bust of F. Sherwood Rowland, 1998 September 1****Scope and Content note**

Recording of sculpture of Rowland that was later placed in the building that was named for him on the UC Irvine campus. (Recording also includes unrelated television programming.)

box AV-009, item D078-A
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**Archival original**

**Physical Description:** 1 video cassette (VHS) (3 minutes): sound, color.

**Access**

Access to archival original is restricted.

box AV-021, item D078-U
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**Use copy**

**Physical Description:** 1 videodisc (DVD) (3 minutes): sound, color.

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box AV-022,  
item D078-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (3 minutes): sound, color.

box 250,  
folder 5-6

**Campus publications, 1978,1992-2006**

**Scope and Content Note**

See also "Early campus publications."

**Processing Information**

See also "Early campus publications."

box 250,  
folder 7-9  
box 253,  
folder 1-7  
box 254,  
folder 1-3

**Chemistry (Department of): correspondence and other materials  
1977-1990**

**1989-2004**

**2000-2008**

box 254,  
folder 4-8  
box 255, folder 1  
box 255, folder 2

**Cicerone, Ralph J.**

**1975-2007**

**2000-2006**

**Communications Office: press releases, correspondence and other materials,  
1984-2000 and undated**

**Correspondence, general,  
1986-1997**

box 255,  
folder 3-8  
box 256,  
folder 1-3  
box 256,  
folder 4-6

**1998-2006 and undated**

**Development activities, 1990-2003 and undated**

**Early campus publications and other materials**

**1964-1971 and undated**

**1966-1969**

**Earth System Science (Department of), 1994-2003**

box 256, folder 7  
box 257, folder 1  
box 257,  
folder 2-5  
box 257,  
folder 6-7  
box 257, folder 8  
box 258, folder 1  
box 258, folder 2  
box 258, folder 3  
box 258,  
folder 4-5  
box 258,  
folder 6-7  
box 258, folder 8  
box 258, folder 9  
box 258, folder 10  
box 258, folder 11  
box 258,  
folder 12-13  
box 258, folder 14  
box 287, folder 7  
box 258, folder 15  
box 286,  
folder 13-14

**Events on campus, general, 1992-2007**

**Institute of Geophysics and Planetary Physics, University of California, 1988  
Joan Rowland Prize, 1996-2008**

**Lee, Edward K.C. et al: manuscript and research articles, circa 1971**

**Newkirk Center for Science and Society, 2003-2004**

**Photographs, 1964-2009**

**Prather, Michael J., 1989-2002**

**Press clippings, 1964-1968 and undated**

**Press releases, 1995-2006**

**Project Kaleidoscope, 2003**

**Ph.D. theses in Chemistry at UC Irvine supervised by Rowland: list, 1991**

**Physical Sciences (School of), 1992-2003-2008 and undated**

**Reeburgh, William S., 2003**

**Rowland Hall: architectural rendering (oversized), undated**

**Sabbatical, 1980-1981**

**Search, tenure, and promotion committee materials, 1991-2006**

**Access**

Restricted until 2068 or later.

box 259,  
folder 1-2  
box 259, folder 3  
box 286,  
folder 1-12

**Speaking engagements on campus, 1989-2007**

**Social Ecology (School of), 1993**

**Students: exams, papers, correspondence, and other materials, circa 1980-2003**

**Access**

Access is restricted until 2055 or later due to Family Educational Rights and Privacy Act (FERPA).

box 259, folder 4  
box 259,  
folder 5-7  
box 259, folder 8

**University Advancement (Office of), 1987-2001**

**University of California system, 1978-2006**

**UCI Medal and other campus honors, 1989-2003**

**Visual materials Series 14. 1964-2006**

**Physical Description:** 11.06 Linear Feet

**Series Scope and Content Summary**

This series includes audio and visual materials that were not filed in another series. Included are photographs; audio and video recordings; and visual aids including transparencies and slides, many of which were used for lectures.

**Arrangement**

This series is arranged in 4 subseries:

Subseries 14.1. Photographic prints

Subseries 14.2. Slides

Subseries 14.3. Transparencies and other visual aids

Subseries 14.4. Audio and video recordings

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**Photographic prints** Subseries 14.1

**Scope and Content note**

Includes both standard and oversized photographs.

box 260,  
folder 6-21  
box 287, folder 6

**General, 1972-2005 and undated**

**Oversized, undated**

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box 261, box 262,  
box 263, box 264,  
box 265

**Slides** Subseries 14.2 **undated, circa 1972-2003**

**Scope and Content Summary**

This subseries is comprised of slides showing data, text, magazine covers and news clippings, portraits of Rowland and other individuals, and other subjects. Many of these slides were likely used in lectures. However, for slides that were identified by Rowland as specifically used in his lectures, along with records of which slides were used for particular lectures, see Series 10.

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**Transparencies and other visual aids** Subseries 14.3**Scope and Content Summary**

This subseries is comprised mainly of materials collected and prepared for use as visual aids in lectures. Includes transparencies and materials to be copied onto transparencies and slides: charts, graphs, ozone images, and other visualized data; diagrams; chemical equations; images; cartoons; news clippings and headlines; text including bullet points, book excerpts, and quotations. A few files also include background research material on the topic of the presentation. Also included in this subseries are a series of display boards used in an exhibit about global warming.

**Arrangement**

This subseries is arranged with files of loose transparencies first, followed by transparencies in binders. Exhibit display boards are listed last.

**Processing note**

Loose materials were filed by estimated date. Materials found together were grouped into files and dated with the estimated date the transparencies were created.

**Loose****Processing note**

The bulk of the materials in this section were found loose and filed, roughly, by year.

box 266,  
folder 1-5  
box 266,  
folder 6-14  
box 267,  
folder 1-26  
box 268,  
folder 1-14  
box 269,  
folder 1-13  
box 270,  
folder 1-9  
box 271,  
folder 1-12  
box 272,  
folder 1-14

**Cartoons, undated****circa 1964-1981****circa 1974-1988****circa 1989-1990****circa 1990-1992****circa 1992****circa 1992-1993****circa 1993-1998****Scope and Content note**

Folder 10 contains materials on S. Fred Singer and Frederick Seitz.

box 273,  
folder 1-10  
box 274,  
folder 1-18  
box 275,  
folder 1-14  
box 276,  
folder 1-20  
box 277,  
folder 1-4

**circa 1995-1997****circa 1997-1999****circa 1989-2004****circa 2003-2006 and undated****undated****Compiled****circa 1988****circa 1988-1990****circa 1990-1994**

box 277  
box 278  
box 279  
box 280

**Display boards for exhibit on global warming circa 1996**

**Audio and video recordings** Subseries 14.4**Access**

Archival originals are restricted.

**Scope and Content Summary**

Video recordings in this series are about topics of interest to Rowland, including stratospheric ozone depletion and global climate change, but do not feature interviews with him. For broadcast interviews, see the audiovisual materials in Series 8. Also not included in this series are recordings of lectures and speeches given by him. For these recordings, see the audiovisual materials in Series 10.

**Arrangement**

The arrangement is alphabetical by the title of the program or event.

**45/85: America and the World Since World War 2. ABC News, 1985 September 18****Part 1****Archival original**

box AV-014,  
item D146-A

**Physical Description:** 1 video cassette (VHS) (72 minutes): sound, color.

**Use copy**

box AV-021,  
item D146-U

**Physical Description:** 1 videodisc (DVD) (72 minutes): sound, color.

**Duplicating master copy**

box AV-022,  
item D146-M

**Physical Description:** 1 videodisc (DVD) (72 minutes): sound, color.

**Part 2****Archival original**

box AV-014,  
item D147-A

**Physical Description:** 1 video cassette (VHS) (103 minutes): sound, color.

**Use copy**

box AV-021,  
item D147-U

**Physical Description:** 1 videodisc (DVD) (103 minutes): sound, color .

**Duplicating master copy**

box AV-022,  
item D147-M

**Physical Description:** 1 videodisc (DVD) (103 minutes): sound, color .

**Arctic Haze. Fairbanks, Alaska: KUAC TV****Archival original**

box AV-014,  
item D144-A

**Physical Description:** 1 video cassette (VHS) (28 minutes): sound, color.

**Use copy**

box AV-021,  
item D144-U

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color .

**Duplicating master copy**

box AV-022,  
item D144-M

**Physical Description:** 1 videodisc (DVD) (28 minutes): sound, color .

**Central European Environmental Journalism Program documentary. Environmental Health Center, National Safety Council, 1991****Archival original**

box AV-001,  
item D008-A

**Physical Description:** 1 video cassette (VHS) (16 minutes): sound, color.

**Use copy**

box AV-021,  
item D008-U

**Physical Description:** 1 videodisc (DVD) (16 minutes): sound, color.

**Duplicating master copy**

box AV-022,  
item D008-M

**Physical Description:** 1 videodisc (DVD) (16 minutes): sound, color.

**Dana (Charles A.) Foundation Awards for Pioneering Achievements in Health and Higher Education. Award Presentation Luncheon, 1987 November 5**

**Scope and Content note**

Recording includes Rowland accepting award but he does not give remarks.

box AV-005,  
item D048-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) 60 minutes): sound, color.

box AV-021,  
item D048-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

box AV-022,  
item D048-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (60 minutes): sound, color.

***Evolution of the 1997-1998 El Nino: A View From Space. NASA Goddard Space Flight Center/Laboratory for Hydrospheric Processes, 1999***

box AV-013,  
item D109-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (14 minutes): sound, color.

box AV-021,  
item D109-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (14 minutes): sound, color.

box AV-022,  
item D109-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (14 minutes): sound, color.

***Faces of Innovation. Tenth Annual Charles A. Dana Awards for Pioneering Achievements in Health and Education. Charles A. Dana Foundation, 1995***

box AV-004,  
item D034-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (11 minutes): sound, color.

box AV-021,  
item D034-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (11 minutes): sound, color.

box AV-022,  
item D034-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (11 minutes): sound, color.

***Green Party protest about disposal of used refrigerators. Local news segment. BCTV. British Columbia, Canada., 1989***

box AV-009,  
item D084-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (8 minutes): sound, color.

box AV-021,  
item D084-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (8 minutes): sound, color.

box AV-022,  
item D084-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (8 minutes): sound, color.

***A Hole in the Sky. Special Report. CNN, 1992 May 26***

box AV-001,  
item D001-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (24 minutes): sound, color.

box AV-021,  
item D001-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (24 minutes): sound, color.

box AV-022,  
item D001-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (24 minutes): sound, color .

***Goddess of the Earth and Climate Crisis: The Greenhouse Effect. Nova. PBS, circa 1983-1986***

box AV-002,  
item D010-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (119 minutes): sound, color.

box AV-021,  
item D010-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (119 minutes): sound, color.

box AV-022,  
item D010-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (119 minutes): sound, color.

**GTE Academic All-America Hall of Fame ceremony. Dallas, Texas, 1999 June 10**

**Scope and Content note**

Recording is of the ceremony that took place the year before Rowland received the award.

box AV-009,  
item D075-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (22 minutes): sound, color.

box AV-021,  
item D075-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (22 minutes): sound, color.

box AV-022,  
item D075-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (22 minutes): sound, color.

**GTE Academic All-American Hall of Fame ceremony. Boston, Massachusetts, 2000 May 1**

box AV-011,  
item D155-A  
box AV-021,  
item D155-U  
box AV-022,  
item D155-M

**Archival original****Use copy****Duplicating master copy**

***The Greenhouse Effect. EcoSpeak: Coming to an Understanding. Chevron Video Showcase, undated***

box AV-018,  
item D045-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (41 minutes): sound, color.

box AV-021,  
item D045-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (41 minutes): sound, color.

box AV-022,  
item D045-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (41 minutes): sound, color.

**Greenhouse effect and ozone depletion: discussion with journalist Charles McDowell. *Washington Week in Review*. WETA PBS. Los Angeles: KCET, circa 1986**

**Scope and Content note**

Recording begins with 90 minutes of coverage of the royal wedding of Princess Diana and Prince Charles of Wales.

box AV-014,  
item D143-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (120 minutes): sound, color.

- box AV-021,  
item D143-U                    **Use copy**  
   **Physical Description:** 1 videodisc (DVD) (120 minutes): sound, color.
- box AV-022,  
item D143-M                    **Duplicating master copy**  
   **Physical Description:** 1 videodisc (DVD) (120 minutes): sound, color.
- box AV-016,  
item D131-A                    ***The Hole in the Sky. 20/20. ABC. Los Angeles: KABC, 1996 November 29***  
   **Archival original**  
   **Physical Description:** 1 video cassette (VHS) (63 minutes): sound, color.
- box AV-021,  
item D131-U                    **Use copy**  
   **Physical Description:** 1 videodisc (DVD) (63 minutes): sound, color.
- box AV-022,  
item D131-M                    **Duplicating master copy**  
   **Physical Description:** 1 videodisc (DVD) (63 minutes): sound, color.
- box AV-003,  
item D026-A                    ***The Holes in the Ozone Scare. Press conference. 21st Century Science and Technology magazine. Washington Press Club, 1992 July 17***  
   **Archival original**  
   **Physical Description:** 1 video cassette (VHS) (122 minutes): sound, color.
- box AV-021,  
item D026-U                    **Use copy**  
   **Physical Description:** 1 videodisc (DVD) (122 minutes): sound, color .
- box AV-022,  
item D026-M                    **Duplicating master copy**  
   **Physical Description:** 1 videodisc (DVD) (122 minutes): sound, color .
- box AV-015,  
item D124-A                    ***Hot Enough For You? Nova. PBS and WGBH (Boston), circa 1988***  
   **Archival original**  
   **Physical Description:** 1 video cassette (VHS) (58 minutes): sound, color.
- box AV-021,  
item D124-U                    **Use copy**  
   **Physical Description:** 1 videodisc (DVD) (58 minutes): sound, color.
- box AV-022,  
item D124-M                    **Duplicating master copy**  
   **Physical Description:** 1 videodisc (DVD) (58 minutes): sound, color.
- box AV-016,  
item D132-A                    ***Japanese television news and public affairs programming on ozone and other topics: assorted clips, 1987 February-May***  
   **Archival original**  
   **Physical Description:** 1 video cassette (VHS) (80 minutes): sound, color.
- box AV-021,  
item D132-U                    **Use copy**  
   **Physical Description:** 1 videodisc (DVD) (80 minutes): sound, color.
- box AV-022,  
box D132-M                    **Duplicating master copy**  
   **Physical Description:** 1 videodisc (DVD) (80 minutes): sound, color.
- box AV-008,  
item D073-A                    ***A Look at the Nobel Museum. News segment. Unidentified broadcaster, 2001 April***  
   **Archival original**  
   **Physical Description:** 1 video cassette (VHS) (2 minutes): sound, color.
- box AV-021,  
item D073-U                    **Use copy**  
   **Physical Description:** 1 videodisc (DVD) (2 minutes): sound, color.

box AV-022,  
item D073-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (2 minutes): sound, color.

**Nobel Prizes in Chemistry and Physics segment. MacNeil-Lehrer News Hour. PBS, 1995 October 11**

box AV-004,  
item D035-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (30 minutes): sound, color.

box AV-021,  
item D035-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color .

box AV-022,  
item D035-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color .

**Our Ozone Layer: Its Science and Its Protection. International Pharmaceutical Aerosol Consortium, and Schering Corporation, 1995**

box AV-002,  
item D016-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (36 minutes): sound, color.

box AV-021,  
item D016-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (36 minutes): sound, color.

box AV-022,  
item D016-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (36 minutes): sound, color.

**Ozone segment. Washington Week.WETA (Washington, DC) and PBS, 1986 February 13**

box AV-015,  
item D125-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (27 minutes): sound, color.

box AV-021,  
item D125-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes): sound, color .

box AV-022,  
item D125-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes): sound, color .

**Planet Earth 3. WQED (Pittsburgh) and the NAS. PBS. Los Angeles: KCET, 1986**

box AV-016,  
item D016-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (59 minutes): sound, color.

box AV-021,  
item D016-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (59 minutes): sound, color.

box AV-022,  
item D016-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (59 minutes): sound, color.

**The Poisoning of America television special and other ABC news programming on environmental issues. ABC. Los Angeles: KABC, 1988 September**

box AV-015,  
item D128-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (121 minutes): sound, color.

box AV-021,  
item D128-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (121 minutes): sound, color.

box AV-022,  
item D128-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (121 minutes): sound, color.

***Protecting the Ozone Layer: The Search for Solutions. The Du Pont Company and Screenscope, 1989***

**Copy 1**

box AV-007,  
item D061-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) 27 minutes): sound, color.

box AV-021,  
item D061-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes): sound, color.

box AV-022,  
item D061-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes): sound, color.

**Copy 2**

box AV-008,  
item D074-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (27 minutes): sound, color.

box AV-021,  
item D074-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes) : sound, color.

box AV-022,  
item D074-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (27 minutes): sound, color.

***Race to Save the Planet, segments 9 and 10. WGBH (Boston) and PBS. Orange County, Calif: KOCE, 1990 October 11***

box AV-011,  
item D100-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (122 minutes): sound, color.

box AV-021,  
item D100-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (122 minutes): sound, color.

box AV-022,  
item D100-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (122 minutes): sound, color.

***Roan, Sharon. Assorted television interviews on book tour for Ozone Crisis, circa 1990***

box AV-014,  
item D145-A

**Archival original**

**Physical Description:** 1 video cassette (VHS) (26 minutes): sound, color.

box AV-021,  
item D145-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (26 minutes): sound, color.

box AV-022,  
item D145-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (26 minutes): sound, color.

**Stratospheric Ozone: Earth's Vital Shield. Photochemistry S341. Open University and BBC-TV, 1983**

**Scope and Content Summary**

The most common propellants in the 1970s were fluorocarbons. There were two scientists in 1974 who determined that these fluorocarbons were depleting the ozone. Fluorocarbon 11 is mostly used in aerosols and fluorocarbon 12 is used in coolant in refrigerators. Through the research of these two scientists, fluorocarbons were phased out in the US. Only by banning the use of fluorocarbons could the escalating use be diminished which the people of US considered no action would result in a world disaster. In Europe there was a different approach then in the US of a wait and see. It all changed in an issue of Nature written by Molina and Rowland, who proposed their theory that fluorocarbons can destroy ozone in the stratosphere.

box AV-018,  
item D113-A

**Archival original**

**Physical Description:** 1 video cassette (3/4 inch U-matic) (30 minutes): sound, color.

box AV-021,  
item D113-U

**Use copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

item Merritt  
MS-F029\_D113-M,  
box AV-022,  
item D113-M

**Duplicating master copy**

**Physical Description:** 1 videodisc (DVD) (30 minutes): sound, color.

**Plaques and other artifacts Series 15. 1989-2008**

**Physical Description:** 3.67 Linear Feet

**Scope and Content note**

Includes plaques and other objects associated with awards and honors; and gifts and mementos.

**Arrangement**

Materials were boxed according to size and are not in any order.

box 281, box 282  
box 283, box 284,  
box 285  
box 288, folder 8

**2000 and undated**

**1989-2008 and undated**

**1996**

**June 2012 acquisition Series 16. 1950-2012**

**Physical Description:** 26.8 Linear Feet 28 boxes

**Arrangement**

This series is arranged in 10 subseries:

Subseries 1. Biographical and memorial materials, 1964-2012

Subseries 2. Correspondence, 1974-2011

Subseries 3. Scholarly writings, 1955-2010

Subseries 4. Research, 1956-2011

Subseries 5. Professional activities files, 1984-2011

Subseries 6. Speaking engagements and meetings, 1975-2011

Subseries 7. General subject files and collected literature, 1967-2010

Subseries 8. Awards and honors, 1992-2012

Subseries 9. University of California, Irvine: instruction materials, 1950-2010

Subseries 10. Visual and media materials, 1901-2012

**Scope and Content Note**

This series consists of the materials received in June of 2012 from Joan Rowland. It contains materials from all aspects of Dr. Rowland's professional life, and is a continuation of the other series in this collection.

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**Biographical and memorial materials Subseries 1. 1964-2012**

**Scope and Content Summary**

This subseries contains biographical material on Rowland, including passports, newspaper and magazine article clippings, curricula vitae, interviews, photographs, information on his family, and materials from Rowland's memorial service.

box 313, folder 1  
  
box 313, folder 2  
box 313, folder 12  
box 313, folder 3  
box 313, folder 4,  
box 313, folder 10  
box 313, folder 5  
box 313, folder 7  
box 313, folder 8  
box 313,  
folder 16,  
box 313,  
folder 18,  
box 313, folder 9  
box 313, folder 11  
box 313, folder 13  
box 313,  
folder 14-15  
box 313, folder 17  
box 313, folder 19  
box 313, folder 20  
box 313, folder 21  
box 314 OS,  
folder 2

**Passports undated**

**Biographical clippings**

**1986-2009**

**circa 2003-2009**

**Media and news about Rowland ca 2000-2010**

**Curricula Vitae undated**

**Memorial 2012 June 8**

**"Reluctant Environmentalist" blog about Rowland with annotations undated**

**Student papers about Rowland undated**

**C & E news, interview ca 1996**

**Biographical data and writings undated**

**National Medal of Science, nomination and biographical materials 2006**

**Interview in TWAS Newsletter 1997**

**FSR undated**

**Presentation in Spanish on FSR ca 2006**

**Clipping about FSR at age 8 1935 April 15**

**TIME magazine article 2000 Spring**

**Orange Coast Magazine article 1999**

**Orange County Register, "100 People Who Shaped Orange County" 2005**

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box 313, folder 16, box 313, folder 22-25 box 313, folder 26 box 313, folder 27	<b>Other articles and clippings undated</b>
box 313, folder 28 box 313, folder 29 box 313, folder 30	<b>Slides of UCI campus 1964-1968</b> <b>American Meteorological Society University Corporation for Atmospheric Research, interview 2007</b> <b>Professor Ingrid D. Rowland, University of Chicago, reprints undated</b> <b>Scholarly endeavors 2006-2007</b> <b>Jeffrey S. Rowland Curriculum Vitae undated</b>

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**Correspondence** Subseries 2. 1974-2011**Scope and Content Summary**

This subseries contains correspondence sent to Rowland, mostly during the last two decades of his professional career. It includes letters from fellow researchers, reporters, government officials, students, and colleagues. Formats of material in this subseries include mailed letters, emails, memos, cards, manuscripts, and copies of correspondence sent by Rowland.

box 306, folder 13	<b>1974-2011</b>
box 306, folder 3	<b>1992</b>
box 306, folder 12	<b>1993-2004</b>
box 306, folder 20	<b>1998-1999, 2001, 2008</b>
box 306, folder 9	<b>2000</b>
box 306, folder 7	<b>2000-2009</b>
box 306, folder 5	<b>2001-2006</b>
box 306, folder 23	<b>2001, 2009-2010</b>
box 306, folder 8	<b>2002-2009</b>
box 306, folder 2	<b>2005-2008</b>
box 306, folder 1	<b>2007-2010</b>
box 306, folder 22	<b>2009</b>
box 306, folder 4	<b>2009-2011</b>
box 306, folder 6	<b>2010-2011</b>
box 306, folder 10, box 306, folder 14 box 306, folder 11 box 306, folder 15 box 306, folder 16 box 306, folder 17 box 306, folder 18 box 306, folder 19 box 306, folder 21 box 306, folder 24 box 306, folder 25	<b>CFCL Publicity 1974-1975</b>  <b>Fluorocarbons 1974-1975</b> <b>CFC clippings and correspondence 1991-1993</b> <b>News and press releases 1975-1994</b> <b>Brodeur, Paul 2011</b> <b>Molina, Mario 1975</b> <b>Bust of Rowland: photographs and letters undated</b> <b>Governor Gray Davis on Pavley Bill signing 2002</b> <b>Marburger, John on climate change 2004</b> <b>Simpson, Isobel 1996 August 30</b>

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**Scholarly writings** Subseries 3. 1955-2010**Scope and Content Summary**

This subseries contains scholarly materials written by Rowland during his professional career. Included are reprints from published articles, abstracts, handwritten notes from meetings, memos, book drafts, unpublished manuscripts, and testimonies and transcripts from Congress hearings.

box 308, folder 1 box 308, folder 2	<b>Testimony before Senate 2007</b> <b>Testimonies of others on climate change 2007 February 7</b>
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box 308, folder 29	<b>Testimony presented to Senate Committee on Aeronautical and Space Sciences 1975</b>
box 308, folder 30	<b>Statements and hearings miscellaneous 1974-1977</b>
box 308, folder 31	<b>Testimony to Subcommittee on the Upper Atmosphere of the Committee on Aeronautical and Space Sciences 1976 December 15</b>
box 308, folder 32	<b>Testimony presented to Congress by Volker A. Mohnen 1975 August 7</b>
box 308, folder 33	<b>Transcript of comments made at Rochester Institute of Technology 1975 October 14</b>
box 308, folder 34	<b>Testimony of Professor F.S. Rowland to the Subcommittee on Environmental Pollution, Washington D.C. 1986 June 10</b>
box 308, folder 35	<b>Testimony of Professor F.S. Rowland, Indiana State Senate Hearing 1974-1975</b>
box 308, folder 36	<b>Senate hearing transcript: Bumpers and Domenici 1977</b>
box 308, folder 37	<b>Fluorocarbons, international aspects undated</b>
box 308, folder 38	<b>Comparison of FC-11 now observed in the atmosphere with cumulative FC-11 undated</b>
box 308, folder 39	<b>Calculated effects on Ozone from Anthropogenic Methyl Bromide 1975 July 7</b>
box 308, folder 40	<b>Stratospheric Ozone and Saturated Chlorofluorocarbon Compounds not Containing Hydrogen 1975 July 7</b>
box 308, folder 41	<b>Estimated world production of CF<sub>2</sub>Cl<sub>2</sub> and CFCI<sub>3</sub> (Table I) 1974 November 1</b>
box 308, folder 42	<b>United States production of CCl<sub>4</sub> 1974</b>
box 308, folder 43	<b>Present status of Chlorofluorocarbon Ozone problem undated</b>
box 308, folder 44	<b>Comments on technical paper of Dr. I. Sobolev undated</b>
box 308, folder 45	<b>Testimony on Chlorofluorocarbon effects and regulation, United States Senate 1976</b>
box 308, folder 46	<b>Dick Pavsek testimony before the Environmental Protection Agency 1976</b>
box 308, folder 47	<b>Climate and Science Integrity Hearing 2007</b>
box 308, folder 3	<b>"Environmental Issues Discussion at Rowland/Blake Lab" 2008 February 21</b>
box 308, folder 11	<b>"Chemistry at UC Irvine in the year 2000: a plan for development" 2000</b>
box 308, folder 12	<b>Book drafts undated</b>
box 308, folder 13	<b>"Problems raised by Rowland-Molina theory" undated</b>
box 308, folder 19	<b>Environment memo undated</b>
box 308, folder 20	<b>Manuscripts, "Atmosphere" 2002</b>
box 308, folder 21	<b>FSR reprints undated</b>
box 309, folder 40	<b>FSR fragments undated</b>
box 309, folder 41	<b>Rowland "unpapers" undated</b>
box 308, folder 23	<b>Research notes on Stratosphere 1994</b>
box 308, folder 27	<b>"Air quality in Mexico City" 1993-1994</b>
box 308, folder 14-15	<b>Articles undated</b>
box 308, folder 26	<b>2002-2009</b>
box 309, folder 43	<b>2003, 2009-2010</b>
box 309, folder 44	<b>2010</b>
	<b>General writings</b>
box 308, folder 4	<b>1972-1974</b>
box 308, folder 6	<b>2001</b>
box 308, folder 7	<b>2002-2003</b>
box 308, folder 5	<b>2006</b>
box 308, folder 8	<b>1975, 1993, 2003, 2006</b>
box 308, folder 9	<b>1993, 1994, 2006</b>
box 308, folder 10	<b>1955, 1974-1975, 1978, 1981, 1987, 1992, 2003, 2006-2007</b>
	<b>Meeting notes</b>
box 308, folder 16	<b>1996-2002</b>
box 308, folder 18	<b>circa 2006-2008</b>
	<b>General notes</b>

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box 308, folder 28, box 308, folder 22, box 308, folder 17 box 308, folder 24 box 308, folder 25	<b>undated</b>     <b>circa 2005-2010</b> <b>2007</b>
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**Research Subseries 4. 1956-2011**

**Scope and Content Summary**

This subseries contains progress and final reports, notebooks, data, proposals, notes, graphs, grant applications, and other materials relating to Rowland's research. Included is research that Rowland conducted with the Department of Energy, NASA, the Environmental Protection Agency, the National Science Foundation, and several other organizations. Topics include radiation, sun spots, atmosphere samples, climate change, and environmental effects on health.

**Department of Energy (DOE)**

box 300, folder 5	<b>"Chemical Kinetics" DE-FG03-86ER13469 1986-1990</b>
box 300, folder 6	<b>Progress reports, DE-FG03-86ER-13469 1986-1990</b>
box 300, folder 7	<b>"Chemical Kinetics" DE-AT03-76ER-70126 1982-1988</b>

**National Aeronautics and Space Administration (NASA)**

box 300, folder 1	<b>"Ultraviolet Photolysis of Ions of Stratospheric Importance" NAGW-914 1986-1988</b>
box 301, folder 27	<b>"Latitudinal Gradients in Tropospheric Concentrations of Selected Halocarbons and Hydrocarbons" NAGW-452 1988-1991</b> <b>Global Tropospheric Experiment (GTE) Atmospheric Boundary Layer Experiment (ABLE)</b>
box 300, folder 10	<b>ABLE-3B, Canada 1990-1991</b>
box 300, folder 11	<b>ABLE-3B data, Mission 2 undated</b>
box 301, folder 17	<b>ABLE-3B projector sheets and slides 1982</b>
box 300, folder 12	<b>ABLE-2B, Amazon 1986-1987</b>
box 300, folder 13-14	<b>ABLE-3/3A, Arctic 1987-1989</b>
box 301, folder 16	<b>ABLE-3A data, Ty Smith data analysis 1988</b>

**Environmental Protection Agency (EPA)**

box 300, folder 2	<b>"Sources and Global Distribution and Sinks for Short-lived Tropospheric Species" R-814513, reports 1988-1990</b>
box 300, folder 3	<b>"Sources of Urban Methane Emissions" CR-816085 1989-1991</b>
box 300, folder 4	<b>"Statistical Study of Total Ozone Data" X814704 1987-1992</b>

**National Science Foundation (NSF)**

box 300, folder 8	<b>Gordon Research Conference "Environmental Sciences: Air" 1987</b>
box 300, folder 9	<b>Edward Lee Proposal ATM-8316572 1986-1991</b>
box 300, folder 15	<b>"Radioactive Tracer Investigations of Some Gas Phase Reactions of Potential Atmospheric Importance" ATM-8610032 1986-1988</b>
box 300, folder 16	<b>"Radioactive Tracer Studies of the Gas-Phase Reactions of HO Radicals with Volatile Sulfur Compounds" ATM-8922640 1989-1993</b>

**National Institute for Global Environmental Change (NIGEC) Western Regional Center (WESTGEC) proposals**

box 300, folder 25	<b>1990-1993</b>
box 300, folder 17-22	<b>1992</b>
box 300, folder 24	<b>1992-1993</b>
box 300, folder 23	<b>1993-1994</b>

**Pacific Exploratory Mission (PEM)**

box 301, folder 28	<b>PEM West articles published in 1996, reprinted in 2000</b>
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box 302, folder 5, box 301, folder 29-30	<b>PEM Tropics B 1999</b>
box 302, folder 1	<b>PEM Tropics A 1996</b>
box 302, folder 2	<b>PEM West Phase B 2009</b>
box 302, folder 3-4	<b>PEM Tropics, Wallops P-3B 1999</b>
box 302, folder 6-7	<b>PEM Tropics B, Dryden DC-8 1999</b>
box 302, folder 11	<b>PEM Tropics DC-8 1997</b>
box 302, folder 8	<b>PEM Tropics data workshop 1997</b>
box 302, folder 10	<b>PEM Tropics P-3B 1997</b>
box 302, folder 12	<b>PEM Tropics first data workshop 1997</b>
	<b>Global Tropospheric Experiment (GTE)</b>
box 302, folder 9	<b>TRACE-A 1993</b>
box 302, folder 13-15	<b>TRACE-P P-3 2001</b>
box 302, folder 16-18	<b>TRACE-P DC-8 2001</b>
	<b>Research data</b>
box 301, folder 1-4	<b>Data and proposals 1993</b>
box 305, folder 23	<b>Data sets undated</b>
box 305, folder 17	<b>1995</b>
box 305, folder 18	<b>2000</b>
box 301, folder 5-6	<b>Data and notes undated</b>
box 301, folder 25	<b>Transparencies 1992</b>
box 301, folder 18	<b>Chromatograms 1991</b>
box 301, folder 19,	<b>1992</b>
box 301, folder 13	
box 301, folder 23	<b>1994-2006</b>
box 301, folder 20	<b>2004</b>
box 301, folder 12,	<b>2010</b>
box 301, folder 24	
box 305, folder 15	<b>Data and readings 1990, 1994-1996</b>
box 301, folder 26	<b>Fellowship grants 1993, 2002</b>
box 305, folder 16	<b>11th International Congress on Photobiology, Kyoto, Japan 1992 September 7-12</b>
box 301, folder 21	<b>Arctic 2010 November 12</b>
box 301, folder 22	<b>Gulf horizon 2010</b>
box 301, folder 8	<b>Environment and climate change 2009-2011</b>
box 301, folder 9	<b>Eyesight and sun radiation 1988</b>
box 301, folder 10	<b>Environment and asthma 2005-2009</b>
box 301, folder 11	<b>Data printout 1992 February 18</b>
box 301, folder 7	<b>Atlantic Stratocumulus Transition Experiment (ASTEC) and Marine Aerosol and Gas Exchange (MAGE), San Francisco, Cathedral Hill Hotel 1992 December 6</b>
box 305, folder 13-14	<b>Southern Ocean Iron Experiment (SOFEX) 1965, 2001-2004</b>
box 305, folder 19	<b>"Halley Bay O3" 1956-1999</b>
box 305, folder 20	<b>Intergovernmental Panel on Climate Change (IPCC) figures 2000-2001</b>
box 305, folder 21	<b>Sun spots 1993</b>
box 305, folder 22	<b>Atmosphere sample data undated</b>

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**Professional activities files Subseries 5. 1984-2011****Scope and Content Summary**

This subseries contains materials related to Sherwood's professional activities, including his service on panels and advisory committees in many organizations. Included are correspondence, meeting minutes and agendas, reports, and research materials. Organizations represented include the National Aeronautics and Space Administration (NASA), the Environmental Protection Agency (EPA), the Western Regional Center for Global Environmental Change (WESTGEC), the National Institute for Global Environmental Change (NIGEC), the National Academy of Sciences (NAS), the National Research Council (NRC), the California State Summer School for Mathematics and Science (COSMOS), and the California Council on Science and Technology (CCS & T).

box 297, folder 1,  
3-4, 8

box 297, folder 8,  
box 297,  
folder 3-4,

box 297, folder 1  
box 297,  
folder 5-7,

box 297, folder 9,  
box 297, folder 2

box 297, folder 10

box 297, folder 11  
box 297, folder 12  
box 297, folder 13

box 297, folder 14

box 297, folder 15

box 297, folder 16  
box 297, folder 17  
box 297, folder 18  
box 297, folder 19  
box 297, folder 20  
box 297, folder 21  
box 297, folder 22  
box 297, folder 23  
box 297, folder 24  
box 297,  
folder 25-26

box 297, folder 27  
box 297, folder 28  
box 297, folder 29  
box 297,  
folder 40,  
box 298,  
folder 1-4

box 297, folder 41  
box 297, folder 42

box 297, folder 30  
box 297, folder 31

**Temporary Nominating Group (TNG) 1988-1994****Correspondence 1988-1994****Nominations 1989-1993****National Aeronautics and Space Administration (NASA)**

"Latitudinal Distributions of Tropospheric Concentrations of Selected Halocarbons and Hydrocarbons" NAGW-452 1986-1988

"Trace Gas Analysis from the Electra Aircraft" NAG-1-783 1989-1990

" '87 Gordon Research Conference" 1987

"Ultraviolet Photolysis of Ions of Stratospheric Importance" NAGW-467 1984-1985

"Ultraviolet Photolysis of Ions of Stratospheric Importance" NAGW-668 1984-1986

**Environmental Protection Agency (EPA) 1988-1992**

"Statistical Study of Total Ozone Data" 1988-1992

**Western Regional Center for Global Environmental Change (WESTGEC) and National Institute for Global Environmental Change (NIGEC) 1992-1993**

Request For Proposals (RFP) correspondence 1992-1993

RFP general files 1992-1993

WESTGEC RFP and other information 1992

Funded proposals 1993

WESTGEC Steering Committee 1994 January 11-12

WESTGEC Scientific Technical Committee (STC) 1993-1994

NIGEC National Technical Advisory Committee (NTAC) 1993-1994

WESTGEC acceptance letters 1993-1994

RFP letter of intent 1992

NIGEC minutes 1990-1991

WESTGEC newsletter 1990 November

WESTGEC research agreement 1993-1994

NIGEC publications 1989

NIGEC general files 1989-1991

NIGEC and WESTGEC management plan 1990-1992

NIGEC Computer Hardware Advanced Mathematics and Model Physics (CHAMMP) 1990-1992

WESTGEC report 1990-1992

WESTGEC budgets and proposals 1991-1992

	<b>NIGEC Atmospheric Methane Conference 1992 January 5-10</b>
box 297, folder 32, box 297, folder 37 box 297, folder 33 box 297, folder 34 box 297, folder 35 box 297, folder 36 box 297, folder 38 box 297, folder 39	<b>General files 1992</b>  <b>Abstract and program 1992</b> <b>Correspondence 1992</b> <b>Financial information 1992</b> <b>News articles 1992</b> <b>List of participants 1992</b> <b>Speaker invitations 1991</b>
	<b>The National Academies</b>
	<b>National Academy of Sciences (NAS) and National Research Council (NRC)</b>
	<b>NAS NRC general files 1993-1996</b>
box 298, folder 10-12, box 298, folder 5-6 box 298, folder 26, box 298, folder 25 box 298, folder 13-14 box 298, folder 7 box 298, folder 8 box 298, folder 15 box 298, folder 16	<b>1993-1996</b>  <b>2001</b>  <b>NAS NRC correspondence 1994-1998</b>
	<b>NAS NRC Atmospheric Chemistry Committee 1992-1994</b>
	<b>NAS NRC board on environmental studies and toxicology 1992-1995</b>
	<b>NAS NRC meeting minutes 1994</b>
	<b>NAS Office of International Affairs correspondence with Picard, Carole 1994-1996</b>
box 298, folder 17-18 box 298, folder 19 box 298, folder 20-21 box 298, folder 22	<b>NAS Office of International Affairs correspondence with Abbott, Sherburne 1993-1994</b> <b>NAS NRC executive office and governing board 1994</b> <b>NAS NRC International Council of Scientific Unions (ICSU) notes and related materials 1993-1994</b> <b>Committee on International Organizations and Programs (CIOP) NAS 1994-1995</b>
box 299, folder 20 box 298, folder 23 box 298, folder 24 box 298, folder 27	<b>NRC CIOP ad hoc meeting on ICSU matters 1993</b> <b>NAS president's circle 1994</b> <b>NAS, Willard F. Libby biography 1996</b> <b>NRC workshop United States Global Change and Research Program (USGCRP) and NASA's mission to planet Earth 1993</b>
box 298, folder 28	<b>NAS NRC "Review of the Climate Change Science Program's Synthesis and Assessment Product 3.3, 'Weather and Climate Extremes in a Changing Climate'" 2007</b>
box 299, folder 14 box 299, folder 15 box 299, folder 16-17 box 299, folder 18	<b>NAS Committee on Human Rights 1995</b> <b>NAS Regional Roundtable 1994</b> <b>NAS council 1996</b>
	<b>The National Academies Committee on Strategic Advice on the United States Climate Change Science Program 2008</b>
box 299, folder 22-24 box 299, folder 28-29 box 299, folder 22-24 box 299, folder 26-27 box 299, folder 30-31	<b>NAS "Board on Atmospheric Sciences and Climate" 2006 November 30-December 1</b> <b>2006 April 5-6</b>  <b>2006 November 30-December 1</b>  <b>2007 November 12-13</b>  <b>2007 May 17-18</b>

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box 299, folder 25	<b>"Evaluating Progress of the United States Climate Change Science program: methods and Preliminary Results," NRC 2007</b>
box 299, folder 32	<b>"Strategic Guidance for the National Science Foundation's Support of the Atmospheric Sciences," NRC 2006</b>
box 299, folder 33-34	<b>Climate Research Committee spring meeting 2007 May 16-17</b>
box 299, folder 35	<b>The David and Lucile Packard Foundation 1998 March 18</b>
box 299, folder 36	<b>Tri Alpha Energy (TAE) PEG Advisory Panel report 2011</b>
box 299, folder 37	<b>Climate joint appeal 1997 June</b>
box 299, folder 38	<b>"Protecting Visibility in National Parks and Wilderness Areas," NRC 1993</b>
box 298, folder 9	<b>National Academy of Engineering (NAE) 1994-1995</b>
box 310, folder 35-37	<b>United States National Committtee (USNC) Chairs Workshop 2000 March 15-17</b>
box 310, folder 40-41	<b>Climate Change Forum 2001 June 8</b>
box 298, folder 29	<b>California State Summer School for Mathematics and Science (COSMOS)</b>
box 299, folder 19	<b>COSMOS yearbook, UC Irvine 2001</b>
box 305, folder 35	<b>General files 2001-2003</b>
	<b>COSMOS Statewide Advisory Meeting 2007 August 2-3</b>
	<b>California Council on Science and Technology (CCS &amp; T)</b>
	<b>General files</b>
box 299, folder 2	<b>1993-1994</b>
box 299, folder 1	<b>1993-1995</b>
box 299, folder 3	<b>Brochure and reports 1991-1993</b>
box 299, folder 4	<b>California Competitiveness Council 1992</b>
box 299, folder 5	<b>Correspondence 1992-1993</b>
box 299, folder 6	<b>Environmental Issues Committee 1991</b>
box 299, folder 7	<b>Legislative information 1993-1994</b>
box 299, folder 8	<b>Meeting minutes 1992</b>
box 299, folder 9	<b>Membership information 1992</b>
box 299, folder 10	<b>Miscellaneous projects 1991-1992</b>
box 299, folder 11-12	<b>Project California 1992-1993</b>
box 299, folder 13	<b>Science Education Committee 1991-1992</b>
box 299, folder 21	<b>San Diego Foundation, Blasker Award Committee 2000</b>
box 305, folder 24	<b>James S. McDonnell Foundation Proposals 1997-1998</b>
box 310, folder 38-39	<b>International Colloquium on Environmentally Preferred advanced power Generation (ICEPAG) 2002</b>

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**Speaking engagements and meetings Subseries 6. 1975-2011****Scope and Content Summary**

This subseries contains materials related to lectures given by Rowland at various forums, symposia, conferences, panel meetings, and other events. Included are lecture manuscripts, event programs, correspondence related to speaking engagements, notes, and lecture publicity materials such as posters. This subseries also contains files related to Rowland's numerous travels around the world, mostly in the 1990s and 2000s, which include lecture notes, correspondence with colleagues, and conference materials.

**Travel files**

box 311, folder 1	<b>Alexandria, Egypt 2010 April</b>
box 311, folder 2	<b>San Francisco, American Chemical Society (ACS) 2010 March 21-25</b>
box 311, folder 3-4	<b>Lindau 2010</b>
box 311, folder 5	<b>Philadelphia, ACS 2008 August 18-20</b>
box 311, folder 6	<b>New York City 2008 May 28-June 1</b>
box 311, folder 7	<b>Aspen 2008 June 16-19</b>
box 311, folder 8	<b>Kyoto, Tokyo 2008 October 3-9</b>

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box 311, folder 9	<b>Fresno, Merced 2007 April 16-17</b>
box 311, folder 10	<b>Newkirk, UCI 2007 April 2007</b>
box 311, folder 11	<b>Washington D.C., Climate Research Council (CRC) and Board on Atmospheric Sciences and Climate (BASC) 2007 May 15-19</b>
box 311, folder 12	<b>Rome, Vienna 2007 May 27-June 17</b>
box 311, folder 13	<b>Kuala Lumpur, Malaysia, 12th annual Asian Chemical Congress (ACC) 2007 August 18-26</b>
box 311, folder 14	<b>Montreal, Protocol 2007 September 14-21</b>
box 311, folder 15	<b>Athens, Greece, 20th Montreal Protocol 2007 September 23-29</b>
box 311, folder 16	<b>Chicago, Atomic Scientists 2006 June 4-6</b>
box 311, folder 17	<b>BASC 2006 August 8-9</b>
box 311, folder 18	<b>Ohio 2006 October 2-4</b>
box 311, folder 19	<b>San Francisco, Clean Air 2006 November 1</b>
box 311, folder 20	<b>BASC Washington D.C. and New York Met 2006 November 29-December 5</b>
box 311, folder 21	<b>Delhi, India 2006 January 30-February 5</b>
box 311, folder 22	<b>BASC Washington D.C. 2006 March 1-3</b>
box 311, folder 23	<b>New York Met 2006 March 10-15</b>
box 311, folder 25	<b>Amherst 2006 March 28-April 1</b>
box 311, folder 24	<b>Telluride, Colorado 2006 July 31-August 3</b>
box 311, folder 26	<b>BASC Washington D.C. 2006 April 4-8</b>
box 311, folder 27	<b>NAS, Milken, Tyler 2006 April 20-29</b>
box 311, folder 28	<b>Fukuoka, Japan 2006 November 12-16</b>
box 311, folder 29	<b>Cuhong Kong 2006 October</b>
box 311, folder 30	<b>Science and Technology in Society (STS) Forum, Japan 2006 September 8-14</b>
box 311, folder 31	<b>Washington D.C., Delaware, Ohio 1999 October 11-15</b>
box 311, folder 32	<b>Columbia University, New York City 1999 November 13-18</b>
box 311, folder 33	<b>Moscow, Russia 1999 June 1-8</b>
box 311, folder 34	<b>Budapest, Cambridge, Berlin, London 1999 June 23-July 15</b>
box 311, folder 35	<b>Budapest, London, Berlin 1999 June 23-July 11</b>
box 311, folder 36	<b>Tokyo, Kyoto 2007 October 2-9</b>
box 311, folder 37	<b>University of Washington 2001 February 7-9</b>
box 311, folder 38	<b>American Association for the Advancement of Science (AAAS), San Francisco 2001 February 19</b>
box 311, folder 39	<b>San Diego, ACS 2001 April 1-3</b>
box 311, folder 40	<b>Packard 2001 April 11</b>
box 311, folder 41	<b>Chicago, Washington D.C. 2001 May 15-23</b>
box 311, folder 42	<b>Frankfurt, Germany 2001 May 28-June 1</b>
box 311, folder 43	<b>International Union of Pure and Applied Chemistry (IUPAC), Brisbane 2001 June 30-July 6</b>
box 311, folder 44	<b>Geneva 2001 July 8-12</b>
box 311, folder 45	<b>Beckman, Irvine 2001 July 29</b>
box 311, folder 46	<b>Chicago, ACS 2001 August 26-29</b>
box 311, folder 47	<b>Linfield College, McMinnville, Oregon 2001 October 1-3</b>
box 311, folder 48	<b>NAS Council, Washington D.C., University of Waterloo, Toronto 2001 October 14-21</b>
box 311, folder 49	<b>San Francisco, Nobel 2001 October 26-27</b>
box 311, folder 50	<b>ACS Regional, Santa Barbara 2001 October 30</b>
box 311, folder 51	<b>Boston, AAAS 2002 February 14-16</b>
box 311, folder 52	<b>Georgetown, Guyana, Trinidad, Tobago 2002 February 20-March 1</b>
box 311, folder 53	<b>Tokyo, Kyoto, Japan Nobels, Washington D.C. 2002 March 12-20</b>
box 311, folder 54	<b>Mount Pleasant, Michigan, Central Michigan University 2002 April 1-3</b>
box 311, folder 55	<b>Packard, Los Altos, California 2002 April 11</b>
box 311, folder 56	<b>University of Kansas 2002 April 15</b>
box 311, folder 57	<b>NAS Annual 2002 April 25-May 1</b>
box 311, folder 58	<b>Ohio State, NAS Council 2002 June 11-16</b>
box 311, folder 59	<b>Humboldt Symposium, Berkeley 2002 June 1</b>
box 311, folder 60	<b>Academic All-America, New York City 2002 June 25-28</b>
box 311, folder 61	<b>Johannesburg 2002 August 26-September 3</b>

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box 311, folder 62	<b>U.S. Naval Academy 2002 September 29-October 1</b>
box 311, folder 63	<b>University of Rochester 2002 October 11-13</b>
box 311, folder 64	<b>Institute of Ecosystem Studies, New York 2002 November 21-22</b>
box 311, folder 65	<b>India 2003 February 4-10</b>
box 311, folder 66	<b>The University of Chicago Review 2003 April 24-26</b>
box 311, folder 67	<b>Lausanne, Switzerland 2003 April 30-May 4</b>
box 311, folder 68	<b>Gordon Conference, Big Sky, Montana 2003 September 7-12</b>
box 311, folder 69	<b>New York Met Opera, Norway, Washington D.C. 2003 September 30-October 8</b>
box 311, folder 70	<b>New York Nobel, New Hampshire 2003 October 13-17</b>
box 311, folder 71	<b>Athens, Greece 2003 October 20-24</b>
box 311, folder 72	<b>Newkirk UCI 2003 October 30</b>
box 311, folder 73	<b>Union of Concerned Scientists, Washington D.C. 2003 November 11</b>
box 311, folder 74	<b>Hamline University 2003 November 13-14</b>
box 311, folder 75	<b>Chicago, New York, Washington D.C. FASEB 2003 November 19-26</b>
box 311, folder 76	<b>Interacademy Panel (IAP), Mexico City 2003 December 1-4</b>
box 311, folder 77	<b>AGU San Francisco 2003 December 7-11</b>
box 311, folder 78	<b>Royal Society, London 2004 July 10-18</b>
box 311, folder 79	<b>Taipei 2004 July 25-30</b>
box 311, folder 80	<b>Victoria, British Columbia 2004 August 1-6</b>
box 311, folder 81	<b>International Union of Air Pollution Prevention Association (IUAPPA), London 2004 August 21-25</b>
box 311, folder 82	<b>Mo Lee wedding 2004 September 4-6</b>
box 311, folder 83	<b>University of North Carolina, Asheville 2004 September 8-10</b>
box 311, folder 84	<b>Tokyo and Allegheny College, Pennsylvania 2004 October 16-23</b>
box 311, folder 85	<b>Kyoto STS 2004 November 14-16</b>
box 311, folder 86	<b>Delhi, India 2004 February 2-8</b>
box 311, folder 87	<b>Seattle, AAAS 2004 February 12-16</b>
box 311, folder 88	<b>Gordon Conference, Santa Barbara 2004 February 15-18</b>
box 311, folder 89	<b>Science &amp; Media, La Jolla, CA 2004 March 17-20</b>
box 311, folder 90	<b>Egypt and New York 2004 March 31-April 13</b>
box 311, folder 91	<b>NAS, Washington D.C. 2004 April 17-20</b>
box 31, folder 92	<b>COSMOS, Oakland 2004 April 22</b>
box 311, folder 93	<b>Cal Tech Seminar 2004 May 4</b>
box 311, folder 94	<b>Rome and Athens 2004 May 17-June 1</b>
box 311, folder 95	<b>Washington DC, AAAS 2004 June 13-15</b>
box 311, folder 96	<b>St. Committee, Washington DC 2005 January 17-19</b>
box 311, folder 97	<b>Delhi Sustainable Development Summit (DSDS), Delhi 2005 February 1-6</b>
box 311, folder 98	<b>Stanford Schneider 2005 February 9-13</b>
box 311, folder 99	<b>Melbourne, Canberra Australia 2005 February 13-25</b>
box 311,	<b>CFC Symposium, San Diego, American Chemical Society (ACS) 2005 March 13-17</b>
folder 100	<b>COSMOS, Oakland 2005 March 31</b>
box 311,	<b>NAS, AAAS 2005 April 30-May 5</b>
folder 101	
box 311,	<b>California Senate 2005 May 10-11</b>
folder 102	
box 311,	<b>Korea University, Seoul 2005 May 20-24</b>
folder 103	
box 311,	<b>Lindau, Utrecht 2005 June 24-July 7</b>
folder 104	
box 311,	<b>Mexico City 2006 September 24-26</b>
folder 105-106	
box 311,	
folder 107	
box 312, folder 31	<b>L'Aquila 1996 September</b>
box 312, folder 32	<b>Mexico 1996 September</b>
box 312, folder 33	<b>Santiago 1995</b>
box 312, folder 34	<b>Tokyo 1997 May</b>
box 312, folder 35	<b>Riyadh 2010 January</b>

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box 312, folder 36	<b>China ca 2009-2010</b>
box 312, folder 37	<b>NAS Climate 2008 April 17-18</b>
	<b>BASC, Washington DC 2008 November 5-8</b>
box 312, folder 39	<b>Mexico City 2008 September 21-26</b>
box 312,	<b>Tromso, Norway meeting and travel 2008 June 19-July 7</b>
folder 48,	
box 312,	
folder 40-41	
box 312, folder 42	<b>Biovision Alexandria 2008 April 12-16</b>
box 312, folder 43	<b>Colby College 2008 March 13-14</b>
box 312, folder 44	<b>ACS Philadelphia 2008 August 16-20</b>
box 312, folder 45	<b>Columbia University, New York 2008 May 28</b>
box 312, folder 46	<b>Research Triangle, North Carolina 2008 May 21-23</b>
box 312, folder 47	<b>Cal State Long Beach 2008 April 22</b>
box 312, folder 49	<b>NAS Climate, Washington DC 2009 March 29-April 1</b>
box 312, folder 50	<b>Metopera, BASC Washington 2009 April 14-22</b>
box 312, folder 51	<b>University of Dublin 2008 May 23-25</b>
box 312, folder 52	<b>St. James, London 2009 May 22-29</b>
box 312, folder 53	<b>Lindau, Germany 2009 June 28-July 3</b>
box 312, folder 54	<b>BASC Seattle 2009 November 8-11</b>
box 312, folder 59	<b>Rome, Italy 2009 September 4-12</b>
box 312, folder 58	<b>University of North Carolina, Chapel Hill 2009 October 28-31</b>
box 312,	<b>STS Kyoto, Tokyo Japan 2009 October 1-8</b>
folder 55-57,	
box 312, folder 60	
box 312, folder 61	<b>London 1985 March 19-31</b>
box 312, folder 62	<b>DSDS. Delhi 2008 February 7-9</b>
box 312, folder 63	<b>University of Maryland, New York 1985 November 5-10</b>
box 309, folder 1	<b>Montreal Protocol Symposium 2007</b>
box 309, folder 2	<b>Conference of the World's Scientific Academies, Tokyo, Japan 2000</b>
box 309, folder 3	<b>Ecology Law Quarterly Symposium 2000</b>
box 309, folder 4	<b>Groundhog Day, Climate Change Discussion Board 2006</b>
box 309, folder 5,	<b>United Nations Sustainable Development Forum 2007</b>
box 309, folder 17	
box 309, folder 6	<b>CFC and Halon Alternatives Conference 1993</b>
box 309, folder 7	<b>World Resources Institute 1995-1996</b>
box 309, folder 8	<b>The New York International Festival of the Arts, cancelled 1993 October 14</b>
box 309, folder 9	<b>Brown University 1993 October 21-22</b>
box 309, folder 10	<b>American Association for the Advancement of Science (AAAS) board meeting, Washington D.C. 1993 October 15-16</b>
box 309, folder 11	<b>W. M. Keck Foundation meeting, Los Angeles, California 1993 December 9</b>
box 309, folder 12	<b>Stratospheric Ozone Depletion/UV-B in the Biosphere 1993 June 14-18</b>
box 309, folder 13	<b>AAAS Architect Meeting, New York, New York 1993 March 15</b>
box 309, folder 14	<b>XVIth International Conference on Photochemistry, Vancouver, British Columbia, Canada 1993 August 1-6</b>
box 309, folder 15	<b>NATO Advanced Research Workshop 1993</b>
box 309, folder 16	<b>Gruter Institute Conference 1993</b>
box 309,	<b>The Interacademy Panel (IAP), Mexico City 2003 December 1-5</b>
folder 18,	
box 309, folder 42	
box 309, folder 19	<b>IAP Genesis and Evolution 2000</b>
box 309, folder 20	<b>Japan Science and Technology Agency (JST) 2009</b>
box 309, folder 21	<b>Quadrennial Ozone Symposium, Norway 2008</b>
box 309, folder 22	<b>Science and Technology in Society (STS) Forum, Japan 2009</b>
box 309, folder 28	<b>STS Forum, Japan 2006-2009</b>
box 309, folder 23	<b>Premiere World Science Festival 2008</b>
box 309, folder 24	<b>Global Change and Oceans Meeting, Irvine, California 2008</b>
box 309, folder 25	<b>Aspen Forum 2000</b>

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box 309, folder 31	<b>Aspen notes 2000 July</b>
box 309, folder 26	<b>Conference meeting agendas and correspondence ca. 1995</b>
box 309, folder 27	<b>International Council of Scientific Unions 1996</b>
box 309, folder 29	<b>Challenges in the Development of Solar Energy 2010</b>
box 309, folder 30	<b>Western Pacific Geophysics meeting, correspondence and abstracts 1992</b>
box 309, folder 32	<b>White House Conference on Environment, Washington D.C. 1997 July 24</b>
box 309,	<b>PEG Advisory Panel 2008 March</b>
folder 33-35	
box 309, folder 36	<b>House Committee on Environment and Energy, transcript 1975</b>
box 309, folder 37	<b>Australian Academy of Science 2005</b>
box 309, folder 38	<b>Gordon Conference 1997 June 15</b>
box 309, folder 39	<b>Academy of Athens Foundation for Biomedical Research, Athens, Greece 2003 October 22-24</b>
box 314 OS,	<b>Lecture posters 2002, 2006</b>
folder 3	
box 314 OS,	<b>Delhi Sustainable Development Summit 2008</b>
folder 5	
box 307, folder 1	<b>Chautauqua Institution lecture 1993</b>
box 307, folder 17	<b>"Environmental Problems During the 21st Century" undated</b>
box 307, folder 24	<b>Iscol Distinguished Environmental Lecture Series, Rowland's lecture 1999</b>
box 307, folder 25	<b>Publicity for lectures and other events undated</b>
box 307, folder 26	<b>Cornell lectures 1999</b>
box 307, folder 27	<b>Schedules, meetings, lectures, symposia undated</b>
box 310, folder 2	<b>Helen Edison Lecture Series UCSD 1996 October 21</b>
box 310, folder 3	<b>Lecture, North Carolina 2009</b>
box 310, folder 28	<b>Articles and lectures undated</b>
box 310, folder 26	<b>Tokyo Presentation 1999 October 26-29</b>
	<b>Writings and speeches</b>
box 310, folder 6	<b>The Heart and Mind of Ted Kulongoski 2006 January</b>
box 310, folder 5	<b>ca. 2001-2010</b>
box 307, folder 19	<b>2006</b>
box 307, folder 18	<b>2007</b>
box 310, folder 9	<b>Lecture undated</b>

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**General subject files and collected literature** Subseries 7. 1967-2010

**Scope and Content Summary**

This subseries contains literature and research files collected by Rowland. It includes newspaper clippings, articles, brochures, collected publications, and some correspondence. Topics include climate change, ozone depletion, water quality, genetically modified organisms, and general environmental concerns, as well as skepticism and critique of Rowland's work and of the existence of climate change.

**Clippings in bound volumes 1967-1997**

box 289, folder 2	<b>1967-1977</b> <b>Physical Description:</b> 1 bound volume.
box 289,	<b>1974</b>
folder 3-4	<b>Physical Description:</b> 2 bound volumes.
box 289,	<b>1974-1975</b>
folder 6-8	<b>Physical Description:</b> 4 bound volumes.
box 289,	<b>1975</b>
folder 9-16	<b>Physical Description:</b> 9 bound volumes.

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box 290, folder 1-8	<b>1975</b> <b>Physical Description:</b> 8 bound volumes.
box 290, folder 9-15	<b>1976</b> <b>Physical Description:</b> 9 bound volumes.
box 291, folder 1-7	<b>1976</b> <b>Physical Description:</b> 4 bound volumes.
box 291, folder 8-11	<b>1977</b> <b>Physical Description:</b> 4 bound volumes.
box 291, folder 12	<b>1977-1978</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 1-2	<b>1978</b> <b>Physical Description:</b> 2 bound volumes.
box 292, folder 3	<b>1978-1984, 1987</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 4	<b>1979</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 5	<b>1979-1980</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 6	<b>1981</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 7	<b>1981-1986</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 8-9	<b>1982</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 10	<b>1983</b> <b>Physical Description:</b> 2 bound volumes.
box 292, folder 11	<b>1984</b> <b>Physical Description:</b> 1 bound volume.
box 292, folder 12	<b>1985</b> <b>Physical Description:</b> 3 bound volumes.
box 293, folder 1-2	<b>1985</b> <b>Physical Description:</b> 2 bound volumes.
box 293, folder 3-6	<b>1985-1986</b> <b>Physical Description:</b> 1 bound volume.
box 293, folder 7-13	<b>1986</b> <b>Physical Description:</b> 7 bound volumes.

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box 293, folder 14	<b>1986-1987</b> <b>Physical Description:</b> 1 bound volume.
box 294, folder 1-8	<b>1987</b> <b>Physical Description:</b> 6 bound volumes.
box 294, folder 9	<b>1989</b> <b>Physical Description:</b> 1 bound volume.
box 294, folder 10-13	<b>1988</b> <b>Physical Description:</b> 10 bound volumes.
box 295, folder 1-6	<b>1988</b> <b>Physical Description:</b> 6 bound volumes.
box 295, folder 7-9	<b>1989</b> <b>Physical Description:</b> 2 bound volumes.
box 295, folder 10-14	<b>1990</b> <b>Physical Description:</b> 8 bound volumes.
box 296, folder 1-3	<b>1990</b> <b>Physical Description:</b> 3 bound volumes.
box 296, folder 4	<b>1992</b> <b>Physical Description:</b> 1 bound volume.
box 296, folder 5-6	<b>1993</b> <b>Physical Description:</b> 3 bound volumes.
box 296, folder 7	<b>1994</b> <b>Physical Description:</b> 1 bound volume.
box 296, folder 8	<b>1995</b> <b>Physical Description:</b> 1 bound volume.
box 296, folder 9-11	<b>1997</b> <b>Physical Description:</b> 3 bound volumes.
box 289, folder 1	<b>"Chlorofluoromethanes in the Environment," Atomic Energy Commission report 5 September 1974</b>
box 303, folder 1	<b>Ozone depletion, fluorocarbons, greenhouse effects, research materials and clippings</b>
box 303, folder 1	<b>1974-1986</b>
box 303, folder 20	<b>2009-2010</b>
box 303, folder 2	<b>1975-1992</b>
box 303, folder 7	<b>1990-1993</b>
box 303, folder 8	<b>1990-1994</b>
box 303, folder 9	<b>1989-1992</b>
box 303, folder 14	<b>1993-2011</b>
box 303, folder 15	<b>1982-2010</b>
box 303, folder 16	<b>1993-2009</b>
box 303, folder 37	<b>1989-1993</b>
box 303, folder 38	<b>1991-1997</b>
box 304, folder 16	<b>1995-1998</b>

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box 304, folder 25	<b>2007</b>
box 304, folder 35	<b>2009-2010</b>
box 304, folder 40	<b>2003-2004</b>
	<b>Ozone related publications (by others)</b>
box 303, folder 5	<b>1988-1994</b>
box 303, folder 4	<b>1992-2005</b>
	<b>Global warming and climate change related publications (by others)</b>
box 303, folder 3	<b>1994, 2003</b>
box 303, folder 10	<b>National Academy of Sciences 2006</b>
	<b>Skeptics</b>
box 303, folder 34	<b>1997-2004</b>
box 303, folder 11	<b>2006-2007</b>
box 304, folder 34	<b>2006</b>
box 304, folder 42	<b>1993, 2001-2002</b>
box 306, folder 26-28	<b>Articles, transparencies, and photos undated</b>
box 306, folder 29	<b>Sokal, Sagan, and Horgan 1992, 1995-1997</b>
box 306, folder 31	<b>Unusual 1981, 1989, 1993, 1996</b>
box 303, folder 12	<b>2006</b>
box 303, folder 18	<b>1992-2010</b>
box 303, folder 19	<b>1996-2002</b>
box 303, folder 35	<b>1996-1997</b>
box 303, folder 36	<b>1994</b>
box 304, folder 2	<b>undated</b>
box 304, folder 4	<b>1995-1998</b>
box 304, folder 5	<b>1996-1999</b>
box 304, folder 11	<b>Climate of the past, record high temperatures 1997-1998</b>
box 304, folder 19	<b>Cartoons 1997</b>
box 304, folder 21	<b>Fear of climate change, blog commentary 2005-2006</b>
box 304, folder 41	<b>2003-2004</b>
box 314 OS, folder 1	<b>2005</b>
box 305, folder 32	<b>2006 July</b>
	<b>People</b>
box 303, folder 22	<b>Senator James M. Inhofe 2003-2004</b>
box 303, folder 24	<b>Rolf Martens undated</b>
box 303, folder 27	<b>McCain and Lieberman 2004</b>
box 303, folder 28	<b>John H. Marburger 2004</b>
box 303, folder 33	<b>Professor S. Rahmstorf 2003</b>
box 303, folder 29	<b>Jeremy Symons 2002-2004</b>
box 303, folder 32	<b>President George W. Bush and science 2001-2003</b>
box 304, folder 22	<b>Ralph J. Cicerone 2005</b>
box 304, folder 39	<b>Steve Schneider 2004 March 22</b>
box 304, folder 15	<b>Profiles 1996-1999</b>
box 305, folder 31	<b>Lisa McKenzie 1997 February 14</b>
box 306, folder 30	<b>Edward Schlag's experiment 1996 November 22</b>
box 303, folder 6	<b>The Orange County Register, Professor Rowland's office 2004 August 14</b>
box 303, folder 21	<b>Southwestern states pollution 2003</b>
box 303, folder 23	<b>Competitive Enterprise Institute 2003</b>
box 303, folder 25	<b>Chlorine activation in cirrus clouds 1993-2003</b>
box 303, folder 26	<b>Government science 2001-2004</b>
box 303, folder 17	<b>Articles on lab staff 1996, 2010</b>
box 303, folder 13	<b>University of California, Irvine publications 2004-2010</b>
box 303, folder 30	<b>Methane emissions from natural gas 1997-1999</b>
box 303, folder 31	<b>Pentagon 2004</b>
box 304, folder 1	<b>"Mexico City's Future Water Supply" draft 1994</b>
box 304, folder 2-5	<b>"Protecting the Ozone Layer" by Edward A. Parson, draft 2002</b>

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box 304, folder 6	<b>Mexico Air Quality Research Initiative 1995</b>
box 304, folder 7	<b>Twenty-fourth International Council of Scientific Unions (ICSU) General Assembly in Chile 1993 October 5-8</b>
box 304, folder 8	<b>Ozone and chlorinated compounds 1994-1999</b>
box 304, folder 9	<b>Methyl bromide and methyl iodide 1996-1998</b>
box 304, folder 10	<b>El Niño 1997-1999</b>
box 304, folder 12	<b>Genetic modification of plants and animals 1998-1999</b>
box 305, folder 27,	<b>Biomass burning 1997-1999</b>
box 304, folder 13	
box 304, folder 14	<b>Pollution of cities 1995-1996</b>
box 304, folder 17	<b>Freon 1995-1997</b>
box 304, folder 18	<b>Troposphere 1996-1998</b>
box 304, folder 20	<b>O3 Mexico City 1993-1996</b>
box 304, folder 23	<b>"Recent changes in the growth rate of tropospheric methane" 2000-2001</b>
box 304, folder 24	<b>Intergovernmental Panel on Climate Change (IPCC) Report: Aerosols 1993-1994</b>
box 304, folder 33	<b>IPCC sea-level numbers discussion board, printout 2007</b>
box 304, folder 26	<b>"Transition to Sustainability in the 21st Century" 2000</b>
box 304, folder 27	<b>Interacademy panel (IAP), "Science for Society", Mexico 2003</b>
box 304, folder 28	<b>CFCs and Stratospheric Ozone, Japan 2007</b>
box 304, folder 29	<b>"CFC ozone puzzle" 2000</b>
box 304, folder 30	<b>Arctic zone loss 2011</b>
box 304, folder 31	<b>Deep water horizon undated</b>
box 304, folder 32	<b>Climate change science 2001</b>
box 304, folder 36	<b>Environmental science and politics 1993, 2009</b>
box 304, folder 37	<b>Union of Concerned Scientists documents 2004 April 19</b>
box 304, folder 38	<b>Globalwarming.org 2000-2002</b>
box 304, folder 43	<b>Clippings on claims that global warming and ozone depletion are hoaxes 2004 February 18</b>
box 304, folder 44	<b>Interactions 1975-1998</b>
box 305, folder 24	<b>Publication by Rowland, transparencies, and related materials on the Ozone 1974-1984</b>
box 305, folder 25	<b>Presentation clippings undated</b>
box 305, folder 26	<b>"21st Century" clippings 1992-1997</b>
box 305, folder 28	<b>Halogen in the Troposphere undated</b>
box 305, folder 29	<b>Whipple Thesis undated</b>
box 305, folder 30	<b>Book review on "When Smoke Ran Like Water: Tales of Environmental Deception and the Battle Against Pollution" by Devra Davis 2003 November 25</b>
box 305, folder 33	<b>Halley Bay British Antarctic Survey (BAS) Number 90 1975</b>
box 306, folder 32	<b>Methane (CH4) Latitude 1967, 1975-1977, 1980-1984</b>
box 306, folder 33-34	<b>Clippings and correspondence undated</b>
box 310, folder 42-43	<b>Climate Change Science, "An Analysis of Some Key Questions" 2001 June 6-14</b>
box 310, folder 44-45	<b>Biomass Burning of Lightning Experiment-C (BIBLE-C) Data Book 2000 November-December</b>
box 308, folder 48	<b>Bottled water labels collected by Rowland undated</b>

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**Awards and honors Subseries 8. 1992-2012****Scope and Content Summary**

This subseries includes speech manuscripts, certificates, congratulatory correspondence, photographs, and other materials related to Rowland's many awards and honors. Much of the material in this subseries pertains to Rowland's 1995 Nobel Prize in Chemistry, including lecture materials, photographs, and notes and proceedings from meetings of the Nobel Laureates in later years. Many other awards and honors are covered, such as the Japan Prize in 1989, the National Academy of Sciences Foreign Secretary award in 1994, and the Bowie, Revelle, and Debye awards. A transcript of a posthumous tribute speech by Henry A. Waxman given in the House of Representatives in 2012 is also included.

**Nobel Prize in chemistry**

box 312,  
folder 1-5  
box 312, folder 23  
box 312, folder 27  
box 312, folder 28  
box 312, folder 22  
box 312, folder 29  
box 312, folder 24  
box 312, folder 6,  
17  
box 312,  
folder 7-9  
box 312, folder 10  
box 312,  
folder 11-13  
box 312, folder 14  
box 312, folder 15  
box 312, folder 16  
box 312,  
folder 18-19  
box 312, folder 20  
box 312, folder 21  
box 312, folder 25  
box 312, folder 26  
box 312, folder 30

**Dieci Nobel per il futuro (Ten Nobels for the Future); Milan, Italy 1996****Meeting of Nobel Laureates, Lindau 2005****Nobel lecture ca 1995-1997****Nobel Laureate meeting, Lindau 2010****Nobel Laureate Meeting 2009****Royal Society Nobel lecture ca 2004****St. James Palace, Nobel Laureate Symposium, Cambridge University 2009****Congratulatory letters undated****Japan prize 1989****Newspaper clippings undated****Awards undated****Albert Einstein Award 1994****Peter Debye Award 1992****Robertson Memorial Award 1993-1994****NAS Foreign Secretary 1994****Roger Revelle Medal 1994****Bowie Medal undated****University of Calgary, honorary degree 1997 June 2****House of Representatives tribute to Rowland 2012****Bren Fellowship Program 1996****University of California, Irvine: instruction materials Subseries 9. 1950-2010****Scope and Content Summary**

This subseries contains material related to Rowland's instruction at UC Irvine. Included are lecture notes and transcripts, slides and transparencies used in lectures, figures and diagrams, course materials, publicity for lectures, and some written articles. This material mostly covers lectures and classes taught at UC Irvine during the 1980s through the 2000s, as well as some lectures and speeches given elsewhere at meetings and symposia.

**General course materials**

box 305, folder 1  
box 305,  
folder 2-3  
box 305, folder 4  
box 305, folder 5  
box 305, folder 6  
box 305, folder 7  
box 305, folder 8

**1997****1994 Spring****1994 Winter****1993****1991-1992****1990-1991****1985-1989**

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box 305, folder 9-10	<b>"Atmospheric" course materials undated</b>
box 305, folder 11-12	<b>"Chemistry H2B" course materials undated</b>
box 307, folder 2	<b>38 CI notes undated</b>
box 307, folder 4	<b>CH2 = CHCl undated</b>
box 307, folder 5	<b>Lisa's talk undated</b>
box 307, folder 6	<b>Slides for 18F paper undated</b>
box 307, folder 7	<b>38 CI + Chloro-olefins undated</b>
box 307, folder 31,	<b>Lecture slides and transparencies undated</b>
box 307, folder 12,	
box 307, folder 15-16,	
box 307, folder 36-39,	
box 307, folder 44-47,	
box 307, folder 8,	
box 307, folder 42,	
box 307, folder 22-23,	
box 307, folder 51	
box 307, folder 33,	<b>ca. 2000s</b>
box 310, folder 21,	
box 310, folder 15-16,	
box 310, folder 18	
box 310, folder 29	<b>1999-2000</b>
box 310, folder 30,	<b>ca. 1990s-2000s</b>
box 310, folder 10,	
box 310, folder 25	
box 310, folder 11,	<b>ca. 2002</b>
box 310, folder 13	
box 310, folder 32,	<b>ca. 2001-2002</b>
box 310, folder 22-24,	
box 310, folder 14	
box 310, folder 33	<b>Presentation slides contact sheets 2004</b>
box 310, folder 34	<b>Negatives of presentation slides ca. 1950-1960</b>
box 307, folder 34	<b>1980-2008</b>
box 307, folder 3	<b>38 CI slides undated</b>
box 307, folder 28	<b>CHAFEE transparencies undated</b>
box 307, folder 35	<b>Climate change transparencies 1995</b>
box 307, folder 20-21	<b>Powerpoint slide lecture print outs undated</b>
box 307, folder 43	<b>PEM-Tropics Flt 18-D transparencies 1996</b>
box 307, folder 48	<b>Concentrations transparencies ca. 1988-1990s</b>
box 307, folder 49-50	<b>Ozone transparencies undated</b>

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box 310, folder 20	<b>Informal transparencies 2000 February 29 undated</b>
box 310, folder 12,	
box 310, folder 31,	
box 310, folder 8,	
box 310, folder 27,	
box 310, folder 19,	
box 310, folder 17,	
box 310, folder 1	
box 307, folder 9	<b>R. S. Iyer thesis, diagrams, original undated</b>
box 307, folder 13,	<b>Figures, originals undated</b>
box 307, folder 10	
box 307, folder 11	<b>18F + Ch<sub>2</sub>CICH = CH<sub>2</sub>, original diagrams undated</b>
box 307, folder 14	<b>TriAlpha and Center on Clean Energy and a Sustainable Environment 2006 Lectures by Rowland undated</b>
box 307, folder 32,	
box 310, folder 7,	
box 307, folder 30,	
box 307, folder 52	
box 310, folder 4	<b>"Reflections on Choices in a Research Career in Science" undated</b>
box 307, folder 29	<b>Lecture brochures 1975, 1979-1982, 1987-1989</b>
box 307, folder 40	<b>Regrades undated</b>
box 307, folder 41	<b>Population 1900-1990</b>

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**Visual and media materials Subseries 10. 1960-2012****Scope and Content Summary**

This subseries contains visual materials such as photographic prints and slides of Rowland at various events. Also included are audio and video recordings of Rowland's lectures, television programs, and other videos featuring his work. Digital materials in this subseries include files used in Rowland's lectures and other professional activities.

**Access to Archival Originals**

Access to archival originals of digital and audio-visual materials is restricted; researchers must request use copies.

**Photographs**

box 313, folder 31	<b>India 1998</b>
box 313, folder 33	<b>Lecture 1988</b>
box 313, folder 34,	<b>Conferences 2003</b>
box 313, folder 50	
box 313, folder 35	<b>FSR and FASEB 2004</b>
box 313, folder 36	<b>FSR with Chinese president 2000</b>
box 313, folder 37	<b>TERI conference 2000</b>
box 313, folder 38	<b>Tyler Prize 2009</b>
box 313, folder 40	<b>Nevada prize undated</b>
box 313, folder 41	<b>Lab undated</b>
box 313, folder 42	<b>Meetings in Japan 1987-1989</b>
box 313, folder 46	<b>Meetings in Iran undated</b>
box 313, folder 51	<b>UC Irvine Medal 2010</b>
box 313, folder 52	<b>Roundtable on Global Climate Change with President Clinton 1997</b>

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box 313, folder 53  
box 314 OS,  
folder 4  
box 313,  
folder 32,  
box 313,  
folder 47-49,  
box 313,  
folder 43-44,  
box 313, folder 39

**Chemistry Nobel Prize event circa 2010  
Princess conference, Thailand undated**

**Unidentified events undated**

**Audio and video recordings**

**Lecture video recordings**

**Physical Description:** 2 DVDs, 4 VHS tapes

**Scope and Content Summary**

These DVDs include video recordings of Professor Rowland's lecture "Greenhouse Gases and Climate Change" in 1995 in Japan, and in 2006 in Hong Kong. The 4 VHS tapes include unidentified lectures in 1991 in Japan.

box AV-023,  
item 002-A,  
008-A, 019-A -  
022-A

**Archival originals 1995, 2006**

**Lecture audio recordings**

**Physical Description:** 9 audio cassettes

**Scope and Content Summary**

These audio cassettes include Professor Rowland's public and scientific lectures from various conferences and meetings.

box AV-023,  
box 005-A - 007-A,  
013-A - 018-A

**Archival originals 1992-2000**

**Montreal Protocol Anniversary**

**Physical Description:** 1 DVD

box 315,  
item DIG075

**Archival original 2007**

**ABC News segment on ozone layer**

**Physical Description:** 1 DVD

box AV-023,  
item 001-A

**Archival original 1991 September 18**

**"Perseus First Flight"**

**Physical Description:** 1 VHS tape.

**Scope and Content Summary**

Includes a video from Aurora Flight Sciences in El Mirage, CA.

box AV-023,  
item 023-A

**Archival original 1991 November 8**

**"Delaware History Club presents: Delaware's Past"**

**Physical Description:** 1 VHS tape

box AV-023,  
item 024-A

**Archival original undated**

**UC Irvine Dept. of Chemistry "Celebration of Excellence"**

**Physical Description:** 1 DVD

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box AV-023,  
item 011-A

**Archival original 2007 April 12**

**"Late Lessons from Early Warnings"**

**Physical Description:** 1 DVD

box AV-023,  
item 010-A

**Archival original undated**

**American Chemical Society lectures**

**Physical Description:** 2 DVDs

box AV-023,  
item 009-A, 012-A

**Archival original 1975, 1994**

**"Global Warming: An Interview with Dr. F. Sherwood Rowland"**

**Scope and Content Summary**

Contains an interview audio recording conducted by Melissa Spurr at the University of California, Irvine, which aired on KUCI 88.9FM on March 25, 2004.

box AV-023,  
item 004-A

**Archival original 2004 March 23**

**"Nobel Lectures: Chemistry"**

**Physical Description:** 1 DVD

**Scope and Content Summary**

This DVD contains all of the Chemistry Nobel Lectures from 1901-1995, including Professor Rowland's 1995 lecture with Mario Molina and Paul Crutzen.

box AV-023,  
item 003-A

**Archival original 1995**

**Digital materials 1999-2008 and undated**

**Physical Description:** CDs, DVDs, floppy disks, zip disks, and flash drives

**Scope and Content Note**

These materials include presentation slides and digital images used in lectures.

box 315,  
folder DIG076-DIG095

**Zip disks circa 1999**

**Archival originals**

box 316,  
item DIG001-DIG016

**Flash drives**

**Archival originals**

box 315,  
folder DIG082-DIG095

**Floppy disks**

**Archival originals**

box 315,  
folder DIG075,  
box 315,  
folder DIG035-DIG045,  
box 315,  
folder DIG017-DIG034,  
box 315,  
folder DIG046-DIG065

**CDs and DVDs**

**Archival originals 2000-2008 and undated**

**Scope and Content Summary**

Topics include lecture materials from 2000-2008. Also includes The Montreal Protocol 20th Anniversary DVD.