



M.E. Grenander Department of Special Collections & Archives

Vonnegut, Bernard; Papers ua902.068

This finding aid was produced using ArchivesSpace on March 06, 2018.
English

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Summary Information

Repository:	M.E. Grenander Department of Special Collections & Archives
Creator:	Vonnegut, Bernard
Title:	Bernard Vonnegut Papers
ID:	ua902.068
Date [inclusive]:	1828-1997
Physical Description:	39.04 cubic ft.
Physical Location:	The materials are located onsite in the department.
Language of the Material:	English
Language of the Material:	English
Abstract:	The Bernard Vonnegut Papers document Vonnegut's career as a researcher in the field of atmospheric science with a focus on his time at GE, Arthur Little, and the State University of New York at Albany. The collection includes technical memoranda, research, data, inventions and patent forms, equipment specifications, drawings, figures, handwritten notes, manuscripts, reports, correspondence, publicity materials, course materials, news clippings, photographs, memorabilia, and audio/video materials

Preferred Citation

Preferred citation for this material is as follows:

Identification of specific item, series, box, folder, Bernard Vonnegut Papers, 1828-1997. M.E. Grenander Department of Special Collections and Archives, University Libraries, University at Albany, State University of New York (hereafter referred to as the Vonnegut Papers).

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Biographical Sketch

Dr. Bernard Vonnegut was born in 1914 in Indianapolis, Indiana to architect Kurt Vonnegut, Sr. (1884-1957) and Edith Sophia Lieber (d. 1944). He had two younger siblings; a sister, Alice (1917-1958), and a brother, Kurt (1922-2007), the 20th Century author famous for his works of satire and science fiction. Bernard Vonnegut attended public elementary schools, Shortridge High School and the Park School which he graduated from in 1932. From there he attended MIT, the Massachusetts Institute of Technology, where he earned his bachelor's degree in Chemistry in 1936 and a doctorate in Physical Chemistry in 1939.

After receiving his PhD, Vonnegut went to work for the Hartford Empire Company where he conducted research on surface properties and the breaking stress of glass. He worked there for two years before returning to MIT as a research associate. During his time as a research associate, Vonnegut worked in the Chemical Engineering Department as well as the Meteorology Department. His research in the Chemical Engineering Department focused on aerosol generation, filtration, and measurement while in the Meteorological Department he researched icing of aircrafts, the adhesion of ice, and the properties of supercooled clouds.

In 1945, Vonnegut left MIT once again and went to work for GE Research Laboratories. At first he worked in the chemistry group where he focused on the supercooling of liquid tin metals but then was moved to another department. In his new position, Vonnegut worked alongside Nobel laureate Dr. Irving Langmuir, and Vincent J. Schaefer, the original discoverer of cloud seeding via dry ice. With Langmuir and Schaefer, Vonnegut worked on cloud seeding and problems related to cloud physics as well as Project Cirrus, a weather modification program. Research on Project Cirrus was done in conjunction with the United States Signal Corps, Office of Naval Research, and the United States Air Force. General oversight was handled by the Department of Defense. The objective of the project was to find ways to artificially influence precipitation. Work on this project, as well as the science of artificial precipitation, was strongly influenced by Vonnegut's discovery of AgI, Silver Iodide, as a superior nucleation agent. This method became the chief method of "rain making." Along with his discovery of AgI as a nucleation agent, Vonnegut also devised instruments for measuring the true air temperature from an airplane, known as the vortex thermometer, and an automatic condensation nuclei meter for measuring aerosols.

Dr. Vonnegut left GE in 1952 for a position with the management consultant agency Arthur D. Little where he continued research in atmospheric science and aerosols. His atmospheric science research was done in partnership with Charles Moore; their work was focused on atmospheric electricity and cloud physics. While at Arthur D. Little, Dr. Vonnegut also participated in research on the problems associated with the measurement and production of aerosols, the miniaturization of electrical recorders, the hazards of electrostatic in industry, glass fiber formation, and the behavior of evaporating electrified droplets. Much of the research and experiments that Vonnegut conducted at Arthur Little were not done purely for research purposes but done because of contracts the company had with public and private agencies.

After 15 years with Arthur D. Little, Dr. Vonnegut moved on to the newly created Atmospheric Sciences Research Center at the State University of New York at Albany under the direction of Vincent Schaefer. Vonnegut was hired as a senior research scientist and looked at electrification in thunderstorms, the role of electricity in precipitation formation, and kinetic nucleation. Along with his research position,

Vonnegut also held an academic appointment in which he taught classes on atmospheric electricity, atmospheric instrumentation, and atmospheric chemistry. During his time at SUNY Albany, Vonnegut received several awards. In 1976, he was awarded the American Meteorological Award for Outstanding Contributions to the Advancement of Applied Meteorology. The following year, he received the Weather Modification Association Vincent J. Schaefer Award. Along with these awards, Vonnegut was named a Distinguished Research Professor in 1984 and, upon his formal retirement in 1985, was named Professor Emeritus.

One of Dr. Vonnegut's most notable projects during his time at SUNY Albany was his collaboration with NASA on the Night/Day Optical Survey of Lightning (NOSL) experiments. Astronauts, equipped with specialized recording instruments, took pictures and video of large thunderstorms over the course of three shuttle missions. Dr. Vonnegut, who proposed the project, utilized the photographs and data in his continuing research on thunderstorms and electrification theory.

Throughout his career, Dr. Vonnegut pursued research in many fields of interest; mainly thunderclouds, tornadoes, and lightning. He made regular summer expeditions to New Mexico where he worked with colleagues at the New Mexico Institute of Mining and Technology in Socorro to study these phenomena, and many of the experiments he undertook pertain to these three topics. Furthermore, Dr. Vonnegut accumulated multiple patents for his inventions and research techniques.

Dr. Vonnegut married Lois Bowler (d. 1972) and had five sons. Interestingly, after becoming a father, he took on a personal campaign to improve the quality of educational science texts and encyclopedias, as well as truth in advertising regarding scientific claims on children's products.

Dr. Vonnegut continued atmospheric research and publishing until his death from cancer at 82 in 1997.

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Scope and Contents

Dr. Vonnegut's papers chronicle his professional career as an atmospheric scientist at MIT, the GE Research Laboratories, Arthur D. Little Corporation, and the State University of New York at Albany's Atmospheric Sciences Research Center and Department of Atmospheric Sciences. The collection spans from 1828 his death in 1997. The earliest materials in the collection are reprints of articles that he referenced for his research.

The records in this collection document Dr. Vonnegut's research interests. These interests include icing and atmospheric electricity, cloud physics, thunderstorms, and tornado formation. The collection also contains extensive information about his major scientific discoveries and experiments, such as Project Cirrus, a program that sought ways to artificially influence precipitation, the NASA/NOSL project where he studied weather phenomena from space, and his experiments and research in New Mexico. Additionally, a small amount of personal records are interspersed in the collection.

The collection is arranged into 11 series. The records consist of technical memoranda, research, data, inventions and patent forms, equipment specifications, drawings, figures, handwritten notes, manuscripts,

reports, correspondence, publicity materials, course materials, news clippings, photographs, memorabilia, and audio/video materials. The majority of materials date from Dr. Vonnegut's tenure at GE, Arthur D. Little, and State University of New York at Albany.

All series are arranged alphabetically and reflect Dr. Vonnegut's own filing system. Since the original order was maintained, correspondence is kept with other materials, such as reports and technical memorandum, when they were found together. If the correspondence was found in a separate place than the materials it was originally meant to be paired with, there was not an effort to reunite the materials. Copies of reports and memorandum may be found in multiple locations.

For related materials, please see the following collections held by the ME Grenander Department of Special Collection and Archives: Atmospheric Sciences Research Center Records (UA-450), which includes many publications and articles issued by the ASRC, Duncan Blanchard Papers (UA-902.065), Raymond Falconer Papers (UA-902.014) and Vincent J. Schaefer (UA-902.010).

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Arrangement of the Collection

The collection is organized into the following series:

All series are arranged alphabetically.

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Administrative Information

Publication Statement

M.E. Grenander Department of Special Collections & Archives

Revision Description

Samantha Brown processed Series 8 and 11, interfiled materials throughout the collection, and updated the EAD finding aid. Encoded in EAD by Tiffany Williams 2013 2012

Processing Information

Processed in 2012 by Tiffany Williams.

Access

Access to this collection is unrestricted with the exception of select folders that are marked on the inventory. Researchers with inquiries about this material should contact the head of archives.

Copyright

The researcher assumes full responsibility for conforming with the laws of copyright. Whenever possible, the M.E. Grenander Department of Special Collections and Archives will provide information about copyright owners and other restrictions, but the legal determination ultimately rests with the researcher. Requests for permission to publish material from this collection should be discussed with the Head of Special Collections and Archives.

Acquisition Information

The Bernard Vonnegut papers were donated to M.E. Grenander Department of Special Collections and Archives by Sally Marsh, Dr. Vonnegut's administrative assistant, in July 2005.

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Related Materials

Separated Materials

Archivists transferred the monographs *The Final Report of the Advisory Committee on Weather Control* (Volumes 1 and 2) and *Weather Control and Augmented Potable Water Supply. Joint Hearings Before... (Joint Hearings on Weather Control)* to the book division of Special Collections. The catalog records for these monographs is included in Minerva, the University Library Catalog.

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Controlled Access Headings

- Conservation and the Environment
- Aerosols
- Atmospheric electricity
- Atmospheric physics
- Cloud physics
- Clouds--Dynamics

- Columbia (Spacecraft)
- Consulting contracts
- Electrostatics
- Lightning
- Rain-making
- Silver Iodide
- Thunderstorm electricity
- Tornadoes
- Volcanoes--Iceland
- Weather control
- Albany (N.Y.)
- Cambridge (M.A.)
- Indianapolis (I.L.)
- Washington, Mount (N.H.)
- Mount Washington Observatory
- Mount Withington (N.M.)
- Schenectady (N.Y.)
- Socorro (N.M.)
- Surtsey (island)
- Administrative reports
- Annual reports
- Charts
- Correspondence
- Diagrams
- Manuscripts (document genre)
- Maps
- Memorabilia
- Newsletters
- Newspaper clippings
- Notes
- Papers
- Photographs
- Slides (photographs)
- Sound recordings
- Technical reports
- Transparencies
- Video recordings
- UAlbany Faculty & Alumni Papers
- Blanchard, Duncan C.
- Brook, Marx
- Langmuir, Irving, 1881-1957
- Moore, Charles B., 1920-2010
- Schaefer, Vincent J.
- Vonnegut, Bernard
- Vaughan, Otha H.
- Arthur D. Little, Inc.
- General Electric Company

- Massachusetts Institute of Technology
- New Mexico Institute of Mining and Technology
- State University of New York. Atmospheric Sciences Research Center
- United States. National Aeronautics and Space Administration
- U.S. Army Signal Engineering Laboratories

Collection Inventory

Project Cirrus, 1891-1985 Undated

Date [inclusive]: 1891-1985

Date [inclusive]: Undated

Physical Description: 4.25 cubic ft.

Arrangement

Arranged alphabetically.

Scope and Contents

This series documents the Project Cirrus program, a weather modification initiative undertaken by GE along with the United States Signal Corps, Office of Naval Research, and the United States Air Force, with general oversight handled by the Department of Defense. As part of the effort, Dr. Vonnegut discovered that AgI, Silver Iodide, was a superior nucleation agent. This discovery significantly influenced the science of artificial precipitation and this method came to be adopted as the chief means of "rain making".

The series contains the research, data, reports, correspondence, publicity, and photographs regarding the project. Please note that the archivist filed all of the loose photographs together. The archivist kept any photograph accompanying research, data, or reports with that respective material.

Title/Description	Instances	
AgI, Silver Iodide Chemical Reviewer Article <u>Date [inclusive]:</u> 1949	Box 1 (1- Project Cirrus)	Folder 1
AgI, Silver Iodide Cloud Seeding <u>Date [inclusive]:</u> Undated	Box 1 (1- Project Cirrus)	Folder 2
AgI, Silver Iodide, Conductive Silver Preparations <u>Date [inclusive]:</u> Undated	Box 1 (1- Project Cirrus)	Folder 3
AgI, Silver Iodide, Correspondence <u>Date [inclusive]:</u> 1950-1951	Box 1 (1- Project Cirrus)	Folder 4
AgI, Silver Iodide Drawings and Photographs <u>Date [inclusive]:</u> Undated	Box 1 (1- Project Cirrus)	Folder 5
AgI, Silver Iodide Seeding Transparencies		

<u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 6
AgI, Silver Iodide Smoke Generators <u>Date [inclusive]:</u> 1950	Box 1 (1-Project Cirrus)	Folder 7
AgI, Silver Iodide Smokes and Generators <u>Date [inclusive]:</u> 1948	Box 1 (1-Project Cirrus)	Folder 8
AgI, Silver Iodide, Rough Drafts <u>Date [inclusive]:</u> 1949 <u>Date [inclusive]:</u> 1951	Box 1 (1-Project Cirrus)	Folder 9
Conferences, Committee on Snow and Ice Tentative Classifications <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 10
Conferences, On Interfacial Phenomena and Nucleation <u>Date [inclusive]:</u> 1951	Box 1 (1-Project Cirrus)	Folder 11
Conferences, Regarding Cloud Seeding <u>Date [inclusive]:</u> 1950	Box 1 (1-Project Cirrus)	Folder 12
Data, Catalogue of Data for Project Cirrus <u>Date [inclusive]:</u> 1950	Box 1 (1-Project Cirrus)	Folder 13
Data, Efficiency of Natural and Artificial Freezing Nucleo Chart <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 14
Data, Fourth Partial Report <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 15
Data, GE Research Notepad July 19,20 and 22 <u>Date [inclusive]:</u> 1949	Box 1 (1-Project Cirrus)	Folder 16
Data, GE Research Notepad July 21, 23 <u>Date [inclusive]:</u> 1949	Box 1 (1-Project Cirrus)	Folder 17
Data, New Mexico Flights <u>Date [inclusive]:</u> 1950	Box 1 (1-Project Cirrus)	Folder 18
Data, Notepad - Flight Notes Friday July 15 <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 19
Data Project Cirrus Personnel and Expenses <u>Date [inclusive]:</u> 1949		

	Box 1 (1- Project Cirrus)	Folder 20
Data, Puerto Rico Flight Map <u>Date [inclusive]:</u> 1947	Box 1 (1- Project Cirrus)	Folder 21
Data, Spiral Notebook, AgI Notes <u>Date [inclusive]:</u> Undated	Box 1 (1- Project Cirrus)	Folder 22
Data, Temperature and Air Speed Charts <u>Date [inclusive]:</u> Undated	Box 1 (1- Project Cirrus)	Folder 23
Data, Temperature and Air Speed Charts, M2 Thermometer Housing <u>Date [inclusive]:</u> Undated	Oversized 4	Folder 1
History, Annotated Project Cirrus History <u>Date [inclusive]:</u> Undated	Box 1 (1- Project Cirrus)	Folder 24
History, History of Cloud Seeding <u>Date [inclusive]:</u> 1979	Box 1 (1- Project Cirrus)	Folder 25
History, History of Project Cirrus <u>Date [inclusive]:</u> 1952	Box 1 (1- Project Cirrus)	Folder 26
History, Project Cirrus History Correspondence, Drafts and Photos <u>Date [inclusive]:</u> 1974-1985	Box 1 (1- Project Cirrus)	Folder 27
History, Project Cirrus The Story of Cloud Seeding <u>Date [inclusive]:</u> 1952	Box 1 (1- Project Cirrus)	Folder 28
Legislation, Extracts from Hearings on Weather Modification Proceedings <u>Date [inclusive]:</u> 1951	Box 1 (1- Project Cirrus)	Folder 29
Legislation, House Subcommittee on Weather Modification Proceedings <u>Date [inclusive]:</u> 1951	Box 1 (1- Project Cirrus)	Folder 30
Legislation, NYS Weather Modification Legislation <u>Date [inclusive]:</u> 1950	Box 1 (1- Project Cirrus)	Folder 31
Legislation, UN Report - Economic Aspects of Experimental Meteorology <u>Date [inclusive]:</u> 1949	Box 1 (1- Project Cirrus)	Folder 32
Legislation, U.S. Dept. of Commerce Reports		

<u>Date [inclusive]:</u> 1948	Box 1 (1-Project Cirrus)	Folder 33
Legislation, U.S. Weather Control Memorandum <u>Date [inclusive]:</u> 1952	Box 1 (1-Project Cirrus)	Folder 34
Measurement Apparatus, Air Speed/Temperature <u>Date [inclusive]:</u> 1936-1937 <u>Date [inclusive]:</u> 1942 <u>Date [inclusive]:</u> 1947-1952 <u>Date [inclusive]:</u> 1954 <u>Date [inclusive]:</u> 1959-1960	Box 1 (1-Project Cirrus)	Folder 35
Measurement Apparatus, Air Speed/Temperature <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 36
Measurement Apparatus, Capillary Collector <u>Date [inclusive]:</u> 1945 <u>Date [inclusive]:</u> 1948	Box 1 (1-Project Cirrus)	Folder 37
Measurement Apparatus, Cloud Chamber <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 38
Measurement Apparatus, Condensation Nuclei Counter <u>Date [inclusive]:</u> 1949	Box 1 (1-Project Cirrus)	Folder 39
Measurement Apparatus, Vortex Thermometer Charts and Graphs <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 40
Measurement Apparatus, Vortex Thermometer Flight Data <u>Date [inclusive]:</u> 1956	Box 1 (1-Project Cirrus)	Folder 41
Measurement Apparatus, Vortex Thermometer Report <u>Date [inclusive]:</u> 1949	Box 1 (1-Project Cirrus)	Folder 42
New Research Laboratory <u>Date [inclusive]:</u> Undated	Box 1 (1-Project Cirrus)	Folder 43
Patents <u>Date [inclusive]:</u> 1948-1952	Box 1 (1-Project Cirrus)	Folder 44
Patents <u>Date [inclusive]:</u> 1948-1951	Oversized 3	Folder 1
Photos, Clouds and Tools		

<p><u>Date [inclusive]:</u> 1949-1950</p> <p><u>Date [inclusive]:</u> Undated</p>	<p>Box 1 (1-Project Cirrus)</p>	<p>Folder 45</p>
<p>Photos, Colored Cloud Slides</p> <p><u>Date [inclusive]:</u> Undated</p>	<p>Box 1 (1-Project Cirrus)</p>	<p>Folder 46</p>
<p>Photos, Flight #57</p> <p><u>Date [inclusive]:</u> 1948</p> <p><u>Date [inclusive]:</u> Undated</p>	<p>Box 1 (1-Project Cirrus)</p>	<p>Folder 47</p>
<p>Photos, Flight #105</p> <p><u>Date [inclusive]:</u> 1949</p>	<p>Box 1 (1-Project Cirrus)</p>	<p>Folder 48-50</p>
<p>Photos, Flight #105 Camera Report</p> <p><u>Date [inclusive]:</u> 1949</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 1</p>
<p>Photos, GE Personnel and Clouds</p> <p><u>Date [inclusive]:</u> 1949-1950</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 2</p>
<p>Photos, Negatives - Assorted</p> <p><u>Date [inclusive]:</u> 1950</p> <p><u>Date [inclusive]:</u> Undated</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 3</p>
<p>Photos, New Mexico</p> <p><u>Date [inclusive]:</u> 1949</p> <p><u>Date [inclusive]:</u> 1973</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 4</p>
<p>Photos, Plane/Flight Crew and Puerto Rico</p> <p><u>Date [inclusive]:</u> 1948-1950</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 5</p>
<p>Photos, Puerto Rico</p> <p><u>Date [inclusive]:</u> 1949</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 6</p>
<p>Photos, Reference</p> <p><u>Date [inclusive]:</u> 1943</p> <p><u>Date [inclusive]:</u> 1946</p> <p><u>Date [inclusive]:</u> 1950</p> <p><u>Date [inclusive]:</u> 1952</p> <p><u>Date [inclusive]:</u> 1973</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 7</p>
<p>Photos, Seeding Path</p> <p><u>Date [inclusive]:</u> 1948</p>	<p>Box 2 (1-Project Cirrus)</p>	<p>Folder 8</p>
<p>Photos, Silver Iodide</p>		

<u>Date [inclusive]:</u> Undated	Box 2 (1- Project Cirrus)	Folder 9
Photos, Silver Iodide Generators <u>Date [inclusive]:</u> Undated	Box 2 (1- Project Cirrus)	Folder 10
Photos, Water Droplets and Smoke Particles <u>Date [inclusive]:</u> Undated	Box 2 (1- Project Cirrus)	Folder 11
Project Cirrus History - Final Reports <u>Date [inclusive]:</u> 1952-1955	Oversized 5	
Project Cirrus Meteorological Research - Occasional Reports <u>Date [inclusive]:</u> 1947-1953	Oversized 6	
Project Cirrus Scrapbook <u>Date [inclusive]:</u> 1946-1948 <u>Date [inclusive]:</u> 1950-1951 <u>Date [inclusive]:</u> 1960 <u>Date [inclusive]:</u> Undated	Oversized 2	
Project Cirrus Scrapbook <u>Date [inclusive]:</u> Undated	Oversized 3	Folder 2
Publicity, AMS Dispute Letter <u>Date [inclusive]:</u> 1951	Box 2 (1- Project Cirrus)	Folder 12
Publicity, Fire for Rain article and correspondence <u>Date [inclusive]:</u> 1948 <u>Date [inclusive]:</u> 1950 <u>Date [inclusive]:</u> 1952	Box 2 (1- Project Cirrus)	Folder 13
Publicity, GE Internal Publications <u>Date [inclusive]:</u> 1950-1951 <u>Date [inclusive]:</u> 1975	Box 2 (1- Project Cirrus)	Folder 14
Publicity, GE Internal Publications <u>Date [inclusive]:</u> 1950 <u>Date [inclusive]:</u> 1975	Box 2 (1- Project Cirrus)	Folder 15
Publicity, GE News Bureau Photos and Articles <u>Date [inclusive]:</u> 1949 <u>Date [inclusive]:</u> 1952	Box 2 (1- Project Cirrus)	Folder 16
Publicity, Journal of Applied Physics <u>Date [inclusive]:</u> 1947		

	Box 2 (1- Project Cirrus)	Folder 17
Publicity, News Clippings <u>Date [inclusive]:</u> 1947-1962	Box 2 (1- Project Cirrus)	Folder 18
Publicity, New Mexico Interview <u>Date [inclusive]:</u> 1952	Box 2 (1- Project Cirrus)	Folder 19
Publicity, Reviews and Advertising <u>Date [inclusive]:</u> 1979-1981 <u>Date [inclusive]:</u> 1985	Box 2 (1- Project Cirrus)	Folder 20
Publicity, Science Illustrated <u>Date [inclusive]:</u> 1947	Box 2 (1- Project Cirrus)	Folder 21
Publicity <i>Science Service</i> <u>Date [inclusive]:</u> 1952	Box 2 (1- Project Cirrus)	Folder 22
Publicity, Scientific American Article <u>Date [inclusive]:</u> 1951	Box 2 (1- Project Cirrus)	Folder 23
Publicity, Weather Modification <u>Date [inclusive]:</u> 1947 <u>Date [inclusive]:</u> 1952 <u>Date [inclusive]:</u> 1962 <u>Date [inclusive]:</u> 1966 <u>Date [inclusive]:</u> 1973	Box 2 (1- Project Cirrus)	Folder 24
Reports, Cloud Seeding in Australia <u>Date [inclusive]:</u> Undated	Box 2 (1- Project Cirrus)	Folder 25
Reports, Cloud Seeding in Mexico <u>Date [inclusive]:</u> 1958	Box 2 (1- Project Cirrus)	Folder 26
Reports, Occasional Report 37 Technical Abstract <u>Date [inclusive]:</u> 1952	Box 2 (1- Project Cirrus)	Folder 26
Reports, Final Report ONR Project <u>Date [inclusive]:</u> 1953	Box 2 (1- Project Cirrus)	Folder 27
Reports, Final Report Project Cirrus <u>Date [inclusive]:</u> 1948		

	Box 2 (1- Project Cirrus)	Folder 28
Reports, Final Report Project Cirrus Part 1, Field, and Flight Experiments <u>Date [inclusive]:</u> 1953	Box 2 (1- Project Cirrus)	Folder 29-30
Reports, Final Report Project Cirrus <u>Date [inclusive]:</u> 1951 <u>Date [inclusive]:</u> 1953	Oversized 1	
Reports, GE Meteorological Studies <u>Date [inclusive]:</u> 1943-1945 <u>Date [inclusive]:</u> 1947-1948	Box 2 (1- Project Cirrus)	Folder 31
Reports, GE Meteorological Studies <u>Date [inclusive]:</u> 1949-1951	Box 2 (1- Project Cirrus)	Folder 32
Reports, GE Meteorological Studies <u>Date [inclusive]:</u> 1952-1953 <u>Date [inclusive]:</u> 1959 <u>Date [inclusive]:</u> 1963 <u>Date [inclusive]:</u> 1966	Box 2 (1- Project Cirrus)	Folder 33
Reports, GE Meteorological Studies <u>Date [inclusive]:</u> Undated	Box 2 (1- Project Cirrus)	Folder 34
Reports, Occasional Report 37 Technical Abstract <u>Date [inclusive]:</u> 1952	Box 2 (1- Project Cirrus)	Folder 35
Reports, Project Cirrus Associated Reports <u>Date [inclusive]:</u> 1950	Box 2 (1- Project Cirrus)	Folder 36
Reports, Project Cirrus Occasional Report 1-6 <u>Date [inclusive]:</u> 1948	Box 2 (1- Project Cirrus)	Folder 37
Reports, Project Cirrus Occasional Report 7-12 <u>Date [inclusive]:</u> 1948-1949	Box 2 (1- Project Cirrus)	Folder 38
Reports, Project Cirrus Occasional Report 13-17 <u>Date [inclusive]:</u> 1949	Box 3 (1- Project Cirrus)	Folder 1
Reports, Project Cirrus Occasional Report 18-21 <u>Date [inclusive]:</u> 1949-1950	Box 3 (1- Project Cirrus)	Folder 2
Reports, Project Cirrus Occasional Report 22-25		

<u>Date [inclusive]:</u> 1950	Box 3 (1- Project Cirrus)	Folder 3
Reports, Project Cirrus Occasional Report 26-29 <u>Date [inclusive]:</u> 1951	Box 3 (1- Project Cirrus)	Folder 4
Reports, Project Cirrus Occasional Report 30-34 <u>Date [inclusive]:</u> 1951-1952	Box 3 (1- Project Cirrus)	Folder 5
Reports, Project Cirrus Occasional Report 35-40 <u>Date [inclusive]:</u> 1952 <u>Date [inclusive]:</u> 1953	Box 3 (1- Project Cirrus)	Folder 6
Reports, Project Cirrus Operations Group report <u>Date [inclusive]:</u> 1950	Box 3 (1- Project Cirrus)	Folder 7
Reports, Project Cirrus Quarterly Report 1-5 <u>Date [inclusive]:</u> 1947-1948	Box 3 (1- Project Cirrus)	Folder 8
Reports, Project Cirrus Quarterly Report Eight Quarter/ Number 13 <u>Date [inclusive]:</u> 1950	Box 4 (1- Project Cirrus)	Folder 1
Reports, Vonnegut - Importance of Determining Various Variables Involved in Seeding Operations of Weather Control Experiments <u>Date [inclusive]:</u> Undated	Box 4 (1- Project Cirrus)	Folder 2
Reprints, Artificial Stimulation of Rain at Kongwa <u>Date [inclusive]:</u> 1951	Box 4 (1- Project Cirrus)	Folder 3
Reprints, Atmospheric Conditions Necessary for Artificial Precipitation <u>Date [inclusive]:</u> 1949	Box 4 (1- Project Cirrus)	Folder 4
Reprints, Cloud Physics Letter and Abstract <u>Date [inclusive]:</u> 1950	Box 4 (1- Project Cirrus)	Folder 5
Reprints, Cloud Seeding Trails at Delhi During Monsoon Months July to September (1957-1959) <u>Date [inclusive]:</u> 1961	Box 4 (1- Project Cirrus)	Folder 6
Reprints, The Control of Hurricans <u>Date [inclusive]:</u> 1955	Box 4 (1- Project Cirrus)	Folder 7
Reprints, Dessens and Maurin Mailed Articles <u>Date [inclusive]:</u> 1949		

	Box 4 (1- Project Cirrus)	Folder 8
Reprints, D.W. Pashley, Oriented Growth of Silver in Silver Halide Crystals <u>Date [inclusive]:</u> 1949	Box 4 (1- Project Cirrus)	Folder 9
Experiments with Silver Iodide Smokes in the Natural Atmosphere <u>Date [inclusive]:</u> 1950	Box 4 (1- Project Cirrus)	Folder 10
Reprints, Findelsen - Colloidal Meteorological Processes <u>Date [inclusive]:</u> 1938	Box 4 (1- Project Cirrus)	Folder 11
Reprints, Gathmann's US Patent for "A Method of Producing Rain-Fall" <u>Date [inclusive]:</u> 1891	Box 4 (1- Project Cirrus)	Folder 12
Reprints, H.K. Weickmann - A Theory of the Formation of Ice Crystals <u>Date [inclusive]:</u> 1951	Box 4 (1- Project Cirrus)	Folder 13
Reprints, JAG Journal <u>Date [inclusive]:</u> 1949	Box 4 (1- Project Cirrus)	Folder 14
Reprints, Japanese Geophysical Science Articles and Correspondence <u>Date [inclusive]:</u> 1948	Box 4 (1- Project Cirrus)	Folder 15
Reprints, Journal of Applied Mathematics and Physics: Experimental Meteorology <u>Date [inclusive]:</u> 1950	Box 4 (1- Project Cirrus)	Folder 16
Reprints, J.Th.G. Overbeck Article <u>Date [inclusive]:</u> 1951	Box 4 (1- Project Cirrus)	Folder 17
Reprints, Kampe and Weickmann - AgI as a Freezing Nucleus <u>Date [inclusive]:</u> 1950	Box 4 (1- Project Cirrus)	Folder 18
Reprints, M. Tsuji - On the Rate of Evaporation and Condensation of Falling Drops <u>Date [inclusive]:</u> 1950	Box 4 (1- Project Cirrus)	Folder 19
Reprints, Motoi Kumai - Electron-Microscope Study of Snow-Crystal Nuclei <u>Date [inclusive]:</u> 1951	Box 4 (1- Project Cirrus)	Folder 20
Reprints, Physical Studies that would Improve our Knowledge of Meteorology	Box 4 (1- Project Cirrus)	Folder 21

<u>Date [inclusive]:</u> 1958		
Reprints, Recueil des Travaux Chimiques des Pays-Bas <u>Date [inclusive]:</u> 1951	Box 4 (1- Project Cirrus)	Folder 22
Reprints, Royal Meteorological Society <u>Date [inclusive]:</u> 1949-1950	Box 4 (1- Project Cirrus)	Folder 23
Reprints, Science - The Production of in a Cloud of Supercooled Water Droplets <u>Date [inclusive]:</u> 1946	Box 4 (1- Project Cirrus)	Folder 24
Reprints, Smoke Particles and Supercooled Clouds, Langmuir <u>Date [inclusive]:</u> 1948	Box 4 (1- Project Cirrus)	Folder 25
Reprints, Strock and Rauh - German Articles <u>Date [inclusive]:</u> 1935 <u>Date [inclusive]:</u> 1941	Box 4 (1- Project Cirrus)	Folder 26
Reprints, Sublimation of Outdoor Air and Seeded Sublimation <u>Date [inclusive]:</u> Undated	Box 4 (1- Project Cirrus)	Folder 27
Reprints, SUNY Weatherwise - Simple Experiments in Atmospheric Physics <u>Date [inclusive]:</u> 1955	Box 4 (1- Project Cirrus)	Folder 28
Reprints, Surface Tension of Small Droplets of Water from Volmer and Flood's Nucleation Data <u>Date [inclusive]:</u> 1949	Box 4 (1- Project Cirrus)	Folder 29
Reprints, Symposium on Artificial Rain <u>Date [inclusive]:</u> 1951	Box 4 (1- Project Cirrus)	Folder 30
Reprints, The Crystalline Structure of Ice <u>Date [inclusive]:</u> Undated	Box 4 (1- Project Cirrus)	Folder 31
Reprints, The Preparation of Colloidal AgI Water-Suspension for Nucleation of Supercooled Clouds <u>Date [inclusive]:</u> 1949	Box 4 (1- Project Cirrus)	Folder 32
Reprints, The Problem of Artificial Rain on the Globe <u>Date [inclusive]:</u> 1948	Box 4 (1- Project Cirrus)	Folder 33
Reprints, Trilliat Articles <u>Date [inclusive]:</u> 1948-1949	Box 4 (1- Project Cirrus)	Folder 34
Reprints, Untitled French Report <u>Date [inclusive]:</u> 1949		

	Box 4 (1- Project Cirrus)	Folder 35
Reprints, Weather <u>Date [inclusive]:</u> 1949	Box 4 (1- Project Cirrus)	Folder 36
Reprints, Weatherwise <u>Date [inclusive]:</u> 1949	Box 4 (1- Project Cirrus)	Folder 37
Research, Aerosol Detection Methods <u>Date [inclusive]:</u> 1950	Box 4 (1- Project Cirrus)	Folder 38
Research, Air Plane Icing <u>Date [inclusive]:</u> 1946	Box 4 (1- Project Cirrus)	Folder 39
Research, Atmosphere (General) <u>Date [inclusive]:</u> 1945 <u>Date [inclusive]:</u> 1947-1948 <u>Date [inclusive]:</u> 1952	Box 5 (1- Project Cirrus)	Folder 1
Research, Atmospheric Electrification <u>Date [inclusive]:</u> 1954 <u>Date [inclusive]:</u> 1956	Box 5 (1- Project Cirrus)	Folder 2
Research, Atmospheric Particle Research <u>Date [inclusive]:</u> 1952	Box 5 (1- Project Cirrus)	Folder 3
Research, Electrical Atomization <u>Date [inclusive]:</u> 1951	Box 5 (1- Project Cirrus)	Folder 4
Research, Heated Filament Aerosol Report <u>Date [inclusive]:</u> Undated	Box 5 (1- Project Cirrus)	Folder 5
Research, Hot Wire Report and Data <u>Date [inclusive]:</u> Undated	Box 5 (1- Project Cirrus)	Folder 6
Research, Nucleation Data Folder/Report <u>Date [inclusive]:</u> 1947	Box 5 (1- Project Cirrus)	Folder 7
Seeding Flights, Cloud Seeding Technique Correspondence <u>Date [inclusive]:</u> 1949-1951	Box 5 (1- Project Cirrus)	Folder 8
Seeding Flights, Air Speed/ Temperature/Nuclei Counter Research <u>Date [inclusive]:</u> 1949-1950	Box 6 (1- Project Cirrus)	Folder 1
Seeding Flights, Faust		

<u>Date [inclusive]</u> : 1949	Box 6 (1- Project Cirrus)	Folder 2
Seeding Flights, Flight #105 Photo Report <u>Date [inclusive]</u> : 1949	Box 6 (1- Project Cirrus)	Folder 3
Seeding Flights, Flight #57 Paper <u>Date [inclusive]</u> : Undated	Box 6 (1- Project Cirrus)	Folder 4
Seeding Flights, Flight #57 Report <u>Date [inclusive]</u> : 1948	Box 6 (1- Project Cirrus)	Folder 5
Technical Diagrams <u>Date [inclusive]</u> : 1948	Flat-File 1	
Technical Diagrams <u>Date [inclusive]</u> : 1948 <u>Date [inclusive]</u> : Undated	Box 6 (1- Project Cirrus)	Folder 6
Untitled, Filament <u>Date [inclusive]</u> : Undated	Box 6 (1- Project Cirrus)	Folder 7
Untitled, Transparencies <u>Date [inclusive]</u> : Undated	Box 6 (1- Project Cirrus)	Folder 8
Voltmeter Instruction Manual <u>Date [inclusive]</u> : Undated	Box 6 (1- Project Cirrus)	Folder 9

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NASA Experiments, 1976-1991 Undated

Date [inclusive]: 1976-1991

Date [inclusive]: Undated

Physical Description: 1.68 cubic ft.

Arrangement

Arranged alphabetically.

Scope and Contents

Series 2 documents the NOSL (Nighttime/Daylight Optical Survey of Thunderstorm Lightning) experiment, a large-scale project undertaken by NASA during the early 1980s, in which astronauts recorded and documented thunderstorm and lightning activity from the Earth's orbit. Dr. Vonnegut, who proposed the project, utilized the photographs and data in his continuing research on thunderstorms and electrification theory.

The series contains data, reports, correspondence, press releases, photographs, and NASA technical memoranda and shuttle specifications regarding the NOSL project. Crew activity plans and specifications are filed by flight number. Associated documents were kept with their respective flight number as much as possible. Additionally, memorabilia from one shuttle flight is incorporated, including a signed photograph from the astronauts who took part in the experiment.

Title/Description	Instances	
Curtner, M.L. (Doc) <u>Date [inclusive]:</u> 1978	Box 1 (2- NASA Experiments)	Folder 1
Equipment Information <u>Date [inclusive]:</u> 1977-1978	Box 1 (2- NASA Experiments)	Folder 2
Equipment Information <u>Date [inclusive]:</u> 1977-1978	Oversized 4	Folder 2
Experiment Requirements Document <u>Date [inclusive]:</u> 1977	Box 1 (2- NASA Experiments)	Folder 3
Fliess, Mary, SUNY News Bureau <u>Date [inclusive]:</u> 1981-1989	Box 1 (2- NASA Experiments)	Folder 4
Flight Requirement Proposal - NASA <u>Date [inclusive]:</u> 1978-1979	Box 1 (2- NASA Experiments)	Folder 5
Investigators Working Group Meeting, Johnson Space Center, October 25-26 <u>Date [inclusive]:</u> 1978	Box 1 (2- NASA Experiments)	Folder 6
Investigators Working Group Meeting, Johnson Space Center, June 2-3 <u>Date [inclusive]:</u> 1981	Box 1 (2- NASA Experiments)	Folder 7
Koutchmy, Serge - Salyut Lightning <u>Date [inclusive]:</u> 1983	Box 1 (2- NASA Experiments)	Folder 8
Lightning from Later Flights <u>Date [inclusive]:</u> 1985 <u>Date [inclusive]:</u> 1991	Box 1 (2- NASA Experiments)	Folder 9
NASA Flights <u>Date [inclusive]:</u> 1980	Box 1 (2- NASA Experiments)	Folder 10
NASA Flight Summary Report - Flight #79-120, August 8 <u>Date [inclusive]:</u> 1979	Box 1 (2- NASA Experiments)	Folder 11
NASA Memorabilia		

<u>Date [inclusive]</u> : 1980-1981	Box 1 (2-NASA Experiments)	Folder 12
NASA Memorabilia <u>Date [inclusive]</u> : 1982	Oversized 4	Folder 3
NASA Publications <u>Date [inclusive]</u> : 1978-1979	Box 1 (2-NASA Experiments)	Folder 13
NASA Technical Memorandum - Shuttle Observations <u>Date [inclusive]</u> : 1983-1984	Box 1 (2-NASA Experiments)	Folder 14
<i>New Yorker</i> , "Lightning Strikes Seen from Satellite" <u>Date [inclusive]</u> : 1976	Box 1 (2-NASA Experiments)	Folder 15
NOSL: Analysis of Data <u>Date [inclusive]</u> : 1979-1980	Box 1 (2-NASA Experiments)	Folder 16
NOSL: Critical Design Review Meeting, August 17, 1978 <u>Date [inclusive]</u> : 1978	Box 1 (2-NASA Experiments)	Folder 17
NOSL: Description, Gayle Weber and William Green <u>Date [inclusive]</u> : 1978	Box 1 (2-NASA Experiments)	Folder 18
NOSL: Description - Mary Fae McKay <u>Date [inclusive]</u> : 1980-1981	Box 1 (2-NASA Experiments)	Folder 19
NOSL: Experiment <u>Date [inclusive]</u> : 1977	Box 1 (2-NASA Experiments)	Folder 20
NOSL: Experiment Implementation Plan (EIP) <u>Date [inclusive]</u> : Undated	Box 1 (2-NASA Experiments)	Folder 21
NOSL: Follow-up Proposal <u>Date [inclusive]</u> : 1982-1983	Box 1 (2-NASA Experiments)	Folder 22
NOSL: NASA Technical Memorandum 78261 <u>Date [inclusive]</u> : 1980	Box 1 (2-NASA Experiments)	Folder 23
NOSL: Press Releases <u>Date [inclusive]</u> : 1981-1983	Box 1 (2-NASA Experiments)	Folder 24
NOSL: Project Documents and Information <u>Date [inclusive]</u> : 1976-1990	Box 1 (2-NASA Experiments)	Folder 25-28
NOSL: Project Documents and Information	Oversized 4	Folder 4

Date [inclusive]: 1980Date [inclusive]: 1982Date [inclusive]: Undated

Operations Working Group Meeting, Johnson Space Center, November 8 <u>Date [inclusive]:</u> 1977	Box 1 (2- NASA Experiments)	Folder 29
Operations Requirements Meetings <u>Date [inclusive]:</u> 1978	Box 1 (2- NASA Experiments)	Folder 30
OSTA-1: Experiments <u>Date [inclusive]:</u> 1981	Box 1 (2- NASA Experiments)	Folder 31
OSTA-1: Science and Data Management Review Meeting, February 25-26 <u>Date [inclusive]:</u> 1981	Box 1 (2- NASA Experiments)	Folder 32
Personnel Access and Patch Requests <u>Date [inclusive]:</u> 1982	Box 1 (2- NASA Experiments)	Folder 33
Photographs, Flights 5 and 6 <u>Date [inclusive]:</u> 1984	Box 1 (2- NASA Experiments)	Folder 34
Photographs, Thunderstorms in Brazil <u>Date [inclusive]:</u> 1984	Box 1 (2- NASA Experiments)	Folder 35
Press Stories <u>Date [inclusive]:</u> 1981-1982	Box 1 (2- NASA Experiments)	Folder 36
Shuttle Altitude Charts <u>Date [inclusive]:</u> Undated	Box 1 (2- NASA Experiments)	Folder 37
Slides <u>Date [inclusive]:</u> 1982	Box 1 (2- NASA Experiments)	Folder 38
STS-2: ACSM-ASP Convention Presentation <u>Date [inclusive]:</u> 1981-1982	Box 1 (2- NASA Experiments)	Folder 39
STS-2: Crew Activity Plan, Revision A <u>Date [inclusive]:</u> 1981	Box 1 (2- NASA Experiments)	Folder 40
STS-2: Crew Activity Plan, Revision B <u>Date [inclusive]:</u> 1981	Box 1 (2- NASA Experiments)	Folder 41
STS-2: Data		

<u>Date [inclusive]:</u> 1982	Box 1 (2-NASA Experiments)	Folder 42
STS-2: NOSL Critique <u>Date [inclusive]:</u> 1982	Box 2 (2-NASA Experiments)	Folder 1
STS-2: Preliminary Report <u>Date [inclusive]:</u> 1981	Box 2 (2-NASA Experiments)	Folder 2
STS-2: SCIENCE Magazine/NOSL Collaborative Issue <u>Date [inclusive]:</u> 1982	Box 2 (2-NASA Experiments)	Folder 3
STS-3: Correspondence <u>Date [inclusive]:</u> 1982	Box 2 (2-NASA Experiments)	Folder 4
STS-4 <u>Date [inclusive]:</u> 1978	Oversized 3	Folder 3
STS-4 <u>Date [inclusive]:</u> 1982-1983	Box 2 (2-NASA Experiments)	Folder 5
STS-4: Crew Activity Plan Final PCN-1 <u>Date [inclusive]:</u> 1982	Box 2 (2-NASA Experiments)	Folder 6
STS-4: Hasselblad Photographs <u>Date [inclusive]:</u> Undated	Box 2 (2-NASA Experiments)	Folder 7
STS-4: H.D. Voss, Lockheed <u>Date [inclusive]:</u> 1982 <u>Date [inclusive]:</u> 1985	Box 2 (2-NASA Experiments)	Folder 8
STS-4: Log and Summary <u>Date [inclusive]:</u> 1982	Box 2 (2-NASA Experiments)	Folder 9
STS-5 <u>Date [inclusive]:</u> 1982	Box 2 (2-NASA Experiments)	Folder 10
STS-5 <u>Date [inclusive]:</u> 1982	Oversized 3	Folder 4
STS-6 <u>Date [inclusive]:</u> 1982-1983	Box 2 (2-NASA Experiments)	Folder 11
STS-6 <u>Date [inclusive]:</u> 1982-1983	Oversized 3	Folder 5
STS-6: Crew Activity Plan, Revision A		

<u>Date [inclusive]</u> : 1983	Box 2 (2-NASA Experiments)	Folder 12
Technical Memorandum - Lightning Observations <u>Date [inclusive]</u> : 1980 <u>Date [inclusive]</u> : 1984	Box 2 (2-NASA Experiments)	Folder 13
Technical Memorandum - Thunderstorm Observations <u>Date [inclusive]</u> : 1983-1984	Box 3 (2-NASA Experiments)	Folder 1
Technical Memorandum - Luminous Electrical Phenomena <u>Date [inclusive]</u> : 1976	Box 3 (2-NASA Experiments)	Folder 2
U-2 Flight Proposals <u>Date [inclusive]</u> : 1979-1981	Box 3 (2-NASA Experiments)	Folder 3
U-2 Flights <u>Date [inclusive]</u> : 1981	Box 3 (2-NASA Experiments)	Folder 4
U-2 Flights <u>Date [inclusive]</u> : 1983	Box 3 (2-NASA Experiments)	Folder 5
Venus Atmospheric Probe <u>Date [inclusive]</u> : 1979-1987	Box 3 (2-NASA Experiments)	Folder 6
Waldteufel, P., Soyouz Mission Flight <u>Date [inclusive]</u> : 1980	Box 3 (2-NASA Experiments)	Folder 7
Y Lightning <u>Date [inclusive]</u> : 1983	Box 3 (2-NASA Experiments)	Folder 8

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Arthur D. Little, 1931-1971 Undated

Date [inclusive]: 1931-1971

Date [inclusive]: Undated

Physical Description: 5.8 cubic ft.

Arrangement

Arranged alphabetically.

Scope and Contents

While employed at Arthur D. Little, Dr. Vonnegut built upon his research in atmospheric science. The majority of his work focused on electrification of clouds, thunderstorms, and the behavior of lightning, he also looked at

behaviors of gases but on a much smaller scale. Besides pursuing his own research, Dr. Vonnegut worked on a number of advisory projects for the United States government. These projects focused on the relationship between aircrafts and lightning. The main focus was on how aircrafts detect and avoid lightning when flying in a storm.

The series contains data, reports, correspondence, press releases, photographs, newspaper clippings, drawings, figures, and handwritten notes. The arrangement reflects Dr. Vonnegut's original filing system. Materials are first filed by item type and then by subject. In cases where different types of materials were filed together, Dr. Vonnegut's arrangement was maintained to reflect how he used and viewed the materials. This is most prevalent in correspondence files. Correspondence is sometimes paired with clippings or reports. If the correspondence was separated from the items it was originally paired with, the archivist maintained this arrangement.

Title/Description	Instances	
Advisory Panel for Weather Modification - NSF <u>Date [inclusive]:</u> 1953-1964	Box 1 (3-Arthur D. Little)	Folder 1
Advisory Panel for Weather Modification - NSF <u>Date [inclusive]:</u> 1966-1967	Box 1 (3-Arthur D. Little)	Folder 2
Advisory Panel for Weather Modification - NSF <u>Date [inclusive]:</u> 1968 <u>Date [inclusive]:</u> Undated	Box 1 (3-Arthur D. Little)	Folder 3
Advisory Panel for Weather Modification - NSF <u>Date [inclusive]:</u> Undated	Oversized 4	Folder 5
Advisory Committee on Weather Control <u>Date [inclusive]:</u> 1954-1958	Box 1 (3-Arthur D. Little)	Folder 4-6
American Geophysical Union Conference <u>Date [inclusive]:</u> 1954-1955	Box 1 (3-Arthur D. Little)	Folder 7
American Meteorological Society <u>Date [inclusive]:</u> 1958	Box 1 (3-Arthur D. Little)	Folder 8
Analysis of Arthur D. Little by Electronatom Corp. <u>Date [inclusive]:</u> 1955	Box 1 (3-Arthur D. Little)	Folder 9
Atmospheric Electricity Studies <u>Date [inclusive]:</u> 1955-1958	Box 1 (3-Arthur D. Little)	Folder 10-11
Atmospheric Physics Group Resume <u>Date [inclusive]:</u> 1960	Box 1 (3-Arthur D. Little)	Folder 12
Blue Hill Meteorological Observatory <u>Date [inclusive]:</u> 1949 <u>Date [inclusive]:</u> 1953-1955	Box 1 (3-Arthur D. Little)	Folder 13
Brown, Dr. Ethan Allen		

<u>Date [inclusive]:</u> 1959-1960	Box 1 (3-Arthur D. Little)	Folder 14
Chemical Corps - Photographs <u>Date [inclusive]:</u> Undated	Box 1 (3-Arthur D. Little)	Folder 15
Chemical Corps - Ozalids Case 63068 <u>Date [inclusive]:</u> 1960-1963	Box 1 (3-Arthur D. Little)	Folder 16
Cloud Chart <u>Date [inclusive]:</u> Undated	Oversized 3	Folder 6
Comments on Thunderstorm Project <u>Date [inclusive]:</u> 1954	Box 1 (3-Arthur D. Little)	Folder 17
Committee on Severe Storms <u>Date [inclusive]:</u> 1958-1960	Box 1 (3-Arthur D. Little)	Folder 18
Correspondence <u>Date [inclusive]:</u> 1949 <u>Date [inclusive]:</u> 1952-1954	Box 1 (3-Arthur D. Little)	Folder 19
Correspondence <u>Date [inclusive]:</u> 1955-1956	Box 1 (3-Arthur D. Little)	Folder 20
Correspondence <u>Date [inclusive]:</u> 1957	Box 1 (3-Arthur D. Little)	Folder 21
Correspondence <u>Date [inclusive]:</u> 1958	Box 1 (3-Arthur D. Little)	Folder 22-23
Correspondence <u>Date [inclusive]:</u> 1959	Box 1 (3-Arthur D. Little)	Folder 24
Correspondence <u>Date [inclusive]:</u> 1960	Box 1 (3-Arthur D. Little)	Folder 25
Correspondence <u>Date [inclusive]:</u> 1961	Box 2 (3-Arthur D. Little)	Folder 1
Correspondence <u>Date [inclusive]:</u> 1962	Box 2 (3-Arthur D. Little)	Folder 2-3
Correspondence <u>Date [inclusive]:</u> 1963	Box 2 (3-Arthur D. Little)	Folder 4

Date [inclusive]: 1965-1966

Date [inclusive]: 1968

Date [inclusive]: Undated

Correspondence - Chemical Corps <u>Date [inclusive]:</u> 1953 <u>Date [inclusive]:</u> 1955-1956 <u>Date [inclusive]:</u> Undated	Box 2 (3-Arthur D. Little)	Folder 5
Correspondence - "Electrical Behavior of an Airplane in a Thunderstorm" <u>Date [inclusive]:</u> 1964-1965 <u>Date [inclusive]:</u> 1971 <u>Date [inclusive]:</u> Undated	Box 2 (3-Arthur D. Little)	Folder 6
Correspondence - General Electric Co. <u>Date [inclusive]:</u> 1953	Box 2 (3-Arthur D. Little)	Folder 7
Correspondence - National Science Foundation Advisory Panel <u>Date [inclusive]:</u> 1963-1964	Box 2 (3-Arthur D. Little)	Folder 8
Correspondence - National Science Foundation Advisory Panel <u>Date [inclusive]:</u> 1965-1967 <u>Date [inclusive]:</u> Undated	Box 2 (3-Arthur D. Little)	Folder 9
Correspondence - "ONR C-59667" <u>Date [inclusive]:</u> 1956	Box 2 (3-Arthur D. Little)	Folder 10
Correspondence - Prospects and Proposals <u>Date [inclusive]:</u> 1953-1955	Box 2 (3-Arthur D. Little)	Folder 11
Correspondence - Prospects and Proposals <u>Date [inclusive]:</u> 1956	Box 2 (3-Arthur D. Little)	Folder 12
Correspondence - Prospects and Proposals <u>Date [inclusive]:</u> 1957	Box 2 (3-Arthur D. Little)	Folder 13
Correspondence - Prospects and Proposals <u>Date [inclusive]:</u> 1958-1959	Box 2 (3-Arthur D. Little)	Folder 14
Correspondence - Prospects and Proposals <u>Date [inclusive]:</u> 1960	Box 2 (3-Arthur D. Little)	Folder 15
Correspondence - Prospects and Proposals <u>Date [inclusive]:</u> 1961		

	Box 2 (3-Arthur D. Little)	Folder 16
Correspondence - Prospects and Proposals <u>Date [inclusive]:</u> 1962 <u>Date [inclusive]:</u> Undated	Box 2 (3-Arthur D. Little)	Folder 17
Correspondence - Research Discussions <u>Date [inclusive]:</u> 1957-1960	Box 2 (3-Arthur D. Little)	Folder 18
Correspondence - Technical Papers <u>Date [inclusive]:</u> 1954-1956	Box 2 (3-Arthur D. Little)	Folder 19
Correspondence - Technical Papers <u>Date [inclusive]:</u> 1957-1958	Box 2 (3-Arthur D. Little)	Folder 20
Correspondence - Technical Papers <u>Date [inclusive]:</u> 1959-1960	Box 2 (3-Arthur D. Little)	Folder 21
Correspondence - Technical Papers <u>Date [inclusive]:</u> 1961	Box 2 (3-Arthur D. Little)	Folder 22
Correspondence - Technical Papers <u>Date [inclusive]:</u> 1961	Oversized 4	Folder 6
Correspondence - Technical Papers <u>Date [inclusive]:</u> 1962 <u>Date [inclusive]:</u> 1966 <u>Date [inclusive]:</u> Undated	Box 2 (3-Arthur D. Little)	Folder 23
Correspondence - Tornado Photography Contest <u>Date [inclusive]:</u> 1956-1957	Box 2 (3-Arthur D. Little)	Folder 24
Correspondence - Tornado and Thunderstorm Theories <u>Date [inclusive]:</u> 1953-1962	Box 3 (3-Arthur D. Little)	Folder 1-3
Correspondence - Tornado and Thunderstorm Theories <u>Date [inclusive]:</u> 1953-1962 <u>Date [inclusive]:</u> Undated	Oversized 4	Folder 7
Data - "Indications Suggesting electrical Nature of Tornadoes" <u>Date [inclusive]:</u> 1955	Box 3 (3-Arthur D. Little)	Folder 4
Data - Jacksboro, Texas ONR-59667 <u>Date [inclusive]:</u> 1951-1958	Box 3 (3-Arthur D. Little)	Folder 5

<u>Date [inclusive]:</u> Undated		
Data, Multiple Projects <u>Date [inclusive]:</u> 1948 <u>Date [inclusive]:</u> 1962 <u>Date [inclusive]:</u> 1964	Box 3 (3-Arthur D. Little)	Folder 6
Data, Multiple Projects <u>Date [inclusive]:</u> 1948 <u>Date [inclusive]:</u> 1962 <u>Date [inclusive]:</u> 1968	Oversized 3	Folder 7
Dublin Symposium <u>Date [inclusive]:</u> 1954-1955	Box 3 (3-Arthur D. Little)	Folder 7
Electrets Literature References <u>Date [inclusive]:</u> 1954	Box 3 (3-Arthur D. Little)	Folder 8
Electrification - Miscellaneous <u>Date [inclusive]:</u> 1954-1955 <u>Date [inclusive]:</u> 1961 <u>Date [inclusive]:</u> 1963	Box 3 (3-Arthur D. Little)	Folder 9
Electrification - Papers <u>Date [inclusive]:</u> 1953-1964	Box 3 (3-Arthur D. Little)	Folder 10
Electrification Indicator (Poor Boy's Radar) <u>Date [inclusive]:</u> 1955-1961	Box 3 (3-Arthur D. Little)	Folder 11
Electrification Indicator (Poor Boy's Radar) <u>Date [inclusive]:</u> Undated	Box 3 (3-Arthur D. Little)	Folder 12
Farewell Party Invites - Arthur D. Little <u>Date [inclusive]:</u> Undated	Box 3 (3-Arthur D. Little)	Folder 13
Federal Products Corp. Miniature Instrument <u>Date [inclusive]:</u> 1955	Box 3 (3-Arthur D. Little)	Folder 14
"Final Report - The Detector of Atmospheric Electric Disturbances" <u>Date [inclusive]:</u> 1964	Box 3 (3-Arthur D. Little)	Folder 15
"Final Report - The Detector of Atmospheric Electric Disturbances," Photographs	Box 3 (3-Arthur D. Little)	Folder 16

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Final Report - Research on Electrical Phenomena Associated with Aerosols <u>Date [inclusive]:</u> 1962	Box 3 (3-Arthur D. Little)	Folder 17
First Adirondack Conference on Atmospheric Nuclei, October 1957 <u>Date [inclusive]:</u> 1954-1957	Box 3 (3-Arthur D. Little)	Folder 18
"General Research Data" Photographs <u>Date [inclusive]:</u> Undated	Box 3 (3-Arthur D. Little)	Folder 19
Handwritten Research Notes <u>Date [inclusive]:</u> Undated	Box 3 (3-Arthur D. Little)	Folder 20
Hastings-Raydist Incorporated <u>Date [inclusive]:</u> 1961-1965	Box 3 (3-Arthur D. Little)	Folder 21
Inquiry Questions Related to Thunderstorm Electricity and Tornadoes <u>Date [inclusive]:</u> 1955	Box 3 (3-Arthur D. Little)	Folder 22
International Conference on Cloud Physics, Sydney, Australia <u>Date [inclusive]:</u> 1961	Box 3 (3-Arthur D. Little)	Folder 23
Kerivan, Leo <u>Date [inclusive]:</u> 1962	Box 3 (3-Arthur D. Little)	Folder 24
Mt. Withington Study <u>Date [inclusive]:</u> 1957-1958 <u>Date [inclusive]:</u> 1961-1962 <u>Date [inclusive]:</u> Undated	Box 3 (3-Arthur D. Little)	Folder 25
Mueller, Eugene <u>Date [inclusive]:</u> 1964-1965	Box 3 (3-Arthur D. Little)	Folder 26
New England School Science Advisory Council <u>Date [inclusive]:</u> 1960	Box 3 (3-Arthur D. Little)	Folder 27
New England School Science Advisory Council <u>Date [inclusive]:</u> 1960	Oversized 4	Folder 8
Newspaper and Journal Clippings <u>Date [inclusive]:</u> 1967 <u>Date [inclusive]:</u> Undated	Box 3 (3-Arthur D. Little)	Folder 28
Newspaper Clippings - Formation of Aerosols		

<u>Date [inclusive]:</u> 1966	Box 3 (3-Arthur D. Little)	Folder 29
Newspaper Clippings -Thunderstorms <u>Date [inclusive]:</u> 1957 <u>Date [inclusive]:</u> 1959 <u>Date [inclusive]:</u> 1964-1966	Box 3 (3-Arthur D. Little)	Folder 30
Newspaper Clippings - Weather Control <u>Date [inclusive]:</u> 1960 <u>Date [inclusive]:</u> 1962 <u>Date [inclusive]:</u> 1966 <u>Date [inclusive]:</u> Undated	Box 3 (3-Arthur D. Little)	Folder 32
NSF Observatory <u>Date [inclusive]:</u> 1963-1964	Box 3 (3-Arthur D. Little)	Folder 33
Office of Naval Research - Case 68308 <u>Date [inclusive]:</u> 1964-1966	Box 3 (3-Arthur D. Little)	Folder 34
Office of Naval Research, Miscellaneous <u>Date [inclusive]:</u> 1954-1962	Box 3 (3-Arthur D. Little)	Folder 35
Office of Naval Research Proposals Submitted <u>Date [inclusive]:</u> 1963	Box 3 (3-Arthur D. Little)	Folder 36
Original Figures and Photographs <u>Date [inclusive]:</u> 1936 <u>Date [inclusive]:</u> 1953 <u>Date [inclusive]:</u> 1955-1956 <u>Date [inclusive]:</u> 1959-1960 <u>Date [inclusive]:</u> 1962	Box 3 (3-Arthur D. Little)	Folder 37
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Ozalids <u>Date [inclusive]:</u> 1950-1962		

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Papers on Thunderstorm Electricity <u>Date [inclusive]:</u> 1953-1962	Oversized 7	
<i>Popular Science</i> - Tornadoes: Giant Electric Machines <u>Date [inclusive]:</u> 1960	Box 4 (3-Arthur D. Little)	Folder 2
Proposal - Study of Origin and Role of Electricity in Clouds <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 3
Radar, Miscellaneous <u>Date [inclusive]:</u> 1963-1965	Box 4 (3-Arthur D. Little)	Folder 4
Reports, "Adaptation of Carbon-Film Electric Hygrometer Elements to Industrial Use" <u>Date [inclusive]:</u> 1953	Box 4 (3-Arthur D. Little)	Folder 5
Reports - "The American Gas Association Thermal Precipitator" <u>Date [inclusive]:</u> 1958	Box 4 (3-Arthur D. Little)	Folder 6
Reports - "Apparatum for Continuous Measurement of Electrical Potential of Ionosphere" <u>Date [inclusive]:</u> 1958	Box 4 (3-Arthur D. Little)	Folder 7
Reports - Atmospheric Electricity <u>Date [inclusive]:</u> 1962 <u>Date [inclusive]:</u> 1964	Box 4 (3-Arthur D. Little)	Folder 8
Reports - "The Challenges of Weather Control" <u>Date [inclusive]:</u> 1957	Box 4 (3-Arthur D. Little)	Folder 9
Reports - "Cloud-Seeding Experiments over Sun Moon Lake Area" <u>Date [inclusive]:</u> 1956-1957	Box 4 (3-Arthur D. Little)	Folder 10
Reports, "Composite Materials via the Fluid-Bed Technique" <u>Date [inclusive]:</u> 1963	Box 4 (3-Arthur D. Little)	Folder 11
Reports - "Composition of the Heating of Air by Lightning Discharge"	Box 4 (3-Arthur D. Little)	Folder 12

<u>Date [inclusive]:</u> Undated		
Reports - "The Effect of Atmospheric Conductivity on Space Charge Concentration in the Lower Atmosphere" <u>Date [inclusive]:</u> 1956 <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 13
Reports - "Electric Potential Gradient Measurement Near Icelandic Geyser and Steam Plume from Geothermal Well" <u>Date [inclusive]:</u> 1964	Box 4 (3-Arthur D. Little)	Folder 14
Reports - "Electrical Behavior of an Airplane in a Thunderstorm" <u>Date [inclusive]:</u> 1965	Box 4 (3-Arthur D. Little)	Folder 15
Reports - "Electrically Charged Dust in Rooms" <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 16
Reports, "Final Report on Development and Manufacture of Electric Hygrometer Elements for Meteorological Use to Camp Evans Signal Laboratory, Belmar, New Jersey" <u>Date [inclusive]:</u> 1952	Box 4 (3-Arthur D. Little)	Folder 17
Reports, "Investigation of Sampling Procedure Requirement" <u>Date [inclusive]:</u> 1956	Box 4 (3-Arthur D. Little)	Folder 18
Reports, "Investigation of Silver Iodide Decay and Transport and Natural Nuclei" <u>Date [inclusive]:</u> 1955	Box 4 (3-Arthur D. Little)	Folder 19
Reports, "lightning Does Not Terminate in the Percipitation Below the Cloud" <u>Date [inclusive]:</u> 1931 <u>Date [inclusive]:</u> 1948-1951 <u>Date [inclusive]:</u> 1953-1955 <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 20
Reports - "Method and Apparatus for Measuring Electorstatic Fields in the Upper Atmosphere" <u>Date [inclusive]:</u> 1959	Box 4 (3-Arthur D. Little)	Folder 21
Reports - Misc. Reprint Information <u>Date [inclusive]:</u> 1947 <u>Date [inclusive]:</u> 1955 <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 22
Reports - "Navigational Aid for Aircraft (P.M. Radar)" <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 23
Reports - "Need for Physical Research in Meteorology"		

<u>Date [inclusive]:</u> 1956	Box 4 (3-Arthur D. Little)	Folder 24
Reports - "A New Electrostatic Precipitator" <u>Date [inclusive]:</u> 1937	Box 4 (3-Arthur D. Little)	Folder 25
Reports - "Observations of Thunderstorms in New Mexico" <u>Date [inclusive]:</u> 1959	Box 4 (3-Arthur D. Little)	Folder 26
Reports - "Ozalods for ONR C-59667" <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 27
Reports, "Performance of Commercial Gas-Cleaning Equipment" <u>Date [inclusive]:</u> 1958	Box 4 (3-Arthur D. Little)	Folder 28
Reports, "The Possible significance of Atmospheric Space Charge in Cloud Electrification and Precipitation" <u>Date [inclusive]:</u> 1956-1957	Box 4 (3-Arthur D. Little)	Folder 29
Reports, "Preliminary Results of an Experiment to Determine Initial Precedence of Organized Electrification and Precipitation in Thunderstorms" <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 30
Reports, "Prerequisites for Weather Control" <u>Date [inclusive]:</u> 1957 <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 31
Reports, "Progress Report No. 48 on Improvement of Electrical Hygrometer Elements for Meteorological Use" <u>Date [inclusive]:</u> 1950	Box 4 (3-Arthur D. Little)	Folder 32
Reports, "Reaction of Sulfur in stack Plumes" <u>Date [inclusive]:</u> 1966	Box 4 (3-Arthur D. Little)	Folder 33
Reports, "Relationship Between Thunderstorm Electricity and Fair Weather Electricity" - R. Reviews <u>Date [inclusive]:</u> 1958 <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 34
Reports, "Research Projects to Improve our Knowledge of Severe Storms" <u>Date [inclusive]:</u> 1959 <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 35
Reports - "The Result of DvAer Support of the Atmospheric Electricity Study by Bernard Vonnegut - 1955 to 1958"	Box 4 (3-Arthur D. Little)	Folder 36

<u>Date [inclusive]:</u> 1958		
Reports - Rough Drafts <u>Date [inclusive]:</u> 1955 <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 37
Reports - "Sampling Procedure Requirements" <u>Date [inclusive]:</u> 1957	Box 4 (3-Arthur D. Little)	Folder 38
Reports - "Some Observations and Mechanisms of Charge Accumulation in Convective Clouds - Fitzgerald" <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 39
Reports - "Space Charge in the Lower Atmosphere" <u>Date [inclusive]:</u> 1956 <u>Date [inclusive]:</u> 1958	Box 4 (3-Arthur D. Little)	Folder 40
Reports - "Stabilization of a High Voltage Discharge by a Vortex" <u>Date [inclusive]:</u> 1956	Box 4 (3-Arthur D. Little)	Folder 41
Reports - "Study of Atmospheric Electrification and Proposal for an Extended Program" Office of Naval Research Geophysical Branch <u>Date [inclusive]:</u> 1955	Box 4 (3-Arthur D. Little)	Folder 42
Reports - "Tornadoes at Blackwell, Oklahoma 5-25-55" <u>Date [inclusive]:</u> 1956	Box 4 (3-Arthur D. Little)	Folder 43
"Research in Electrical Phenomena Associated with Aerosols" <u>Date [inclusive]:</u> 1960-1961	Box 4 (3-Arthur D. Little)	Folder 44-45
Rsearch in Electrical Phenomena Associated with Aerosols - Photographs and Diagrams <u>Date [inclusive]:</u> Undated	Box 4 (3-Arthur D. Little)	Folder 46
Signal Corps - Case 58715 <u>Date [inclusive]:</u> 1953-1958	Box 5 (3-Arthur D. Little)	Folder 1
Signal Corps Fog Dissipation Reports <u>Date [inclusive]:</u> 1953-1956	Oversized 8	
Signal Corps, Photographs <u>Date [inclusive]:</u> Undated	Box 5 (3-Arthur D. Little)	Folder 2
Southern California Air Pollution Foundation <u>Date [inclusive]:</u> 1954-1960	Box 5 (3-Arthur D. Little)	Folder 3-4
Spilhaus, A.F. Stony River Phenomena (Alaska 1950)		

<u>Date [inclusive]:</u> 1950-1958	Box 5 (3-Arthur D. Little)	Folder 5
Steel Company of Canada <u>Date [inclusive]:</u> 1945-1955	Box 5 (3-Arthur D. Little)	Folder 6-7
Steel Company of Canada <u>Date [inclusive]:</u> 1945-1955	Oversized 3	Folder 8
Steel Company of Canada - Conference Notes <u>Date [inclusive]:</u> 1920-1955	Box 5 (3-Arthur D. Little)	Folder 8
Technical Papers <u>Date [inclusive]:</u> 1955 <u>Date [inclusive]:</u> 1959-1960	Box 5 (3-Arthur D. Little)	Folder 9
Technical Papers <u>Date [inclusive]:</u> 1962	Box 5 (3-Arthur D. Little)	Folder 10
Technical Papers <u>Date [inclusive]:</u> 1962-1963	Box 5 (3-Arthur D. Little)	Folder 11
Technical Papers <u>Date [inclusive]:</u> Undated	Box 6 (3-Arthur D. Little)	Folder 1-2
Technical Proposals for Tornado Research <u>Date [inclusive]:</u> 1955	Box 6 (3-Arthur D. Little)	Folder 3
Technical Proposal - Mapping of the Composition of the Surface and Atmosphere of Mars by an Orbiting Broadband Infrared Interferometer <u>Date [inclusive]:</u> 1965	Box 6 (3-Arthur D. Little)	Folder 4
Third Annual Conference on Atmospheric and Space Electricity, Montreaux, Switzerland <u>Date [inclusive]:</u> 1963	Box 6 (3-Arthur D. Little)	Folder 5
Thunderstorm Experiments - Case 59667 <u>Date [inclusive]:</u> 1956-1957	Box 6 (3-Arthur D. Little)	Folder 6
Thunderstorm Experiments - Case 59667 <u>Date [inclusive]:</u> 1956-1957	Oversized 3	Folder 9
Tornado Observations from weather Publications <u>Date [inclusive]:</u> 1952 <u>Date [inclusive]:</u> 1955	Box 6 (3-Arthur D. Little)	Folder 7
Tornado Photography Advertisement		

<u>Date [inclusive]</u> : 1965	Box 6 (3-Arthur D. Little)	Folder 8
University of Michigan, Airplane Icing Information Course <u>Date [inclusive]</u> : 1953	Box 6 (3-Arthur D. Little)	Folder 9
Valley Hail Suppression Association <u>Date [inclusive]</u> : 1954	Box 6 (3-Arthur D. Little)	Folder 10
Vonnegut, Bernard "Downdrafts in Cumulus Clouds" <u>Date [inclusive]</u> : 1954	Box 6 (3-Arthur D. Little)	Folder 11
Vonnegut, Bernard "The Electrical Theory of Tornadoes" <u>Date [inclusive]</u> : 1956	Box 6 (3-Arthur D. Little)	Folder 12
Vonnegut, Bernard "Final Report - Electrical Behavior of an Airplane in a Thunderstorm" <u>Date [inclusive]</u> : 1964	Box 6 (3-Arthur D. Little)	Folder 13
Vonnegut, Bernard "Tornadoes and Thunderstorm Electricity" <u>Date [inclusive]</u> : 1954	Box 6 (3-Arthur D. Little)	Folder 14
Vonnegut, Bernard, C.B. Moore, and M. Blume "Preliminary Investigation of the Distribution of Space Charge in the Lower Atmosphere" <u>Date [inclusive]</u> : 1956	Box 6 (3-Arthur D. Little)	Folder 15
Vonnegut, Bernard and C.B. Moore "Giant Electrical Storms" <u>Date [inclusive]</u> : 1958	Box 6 (3-Arthur D. Little)	Folder 16
Vonnegut, Bernard [et.al] "Final Report - Some Atmospheric Electric Instruments for Use in Air Force Operations" <u>Date [inclusive]</u> : 1962	Box 6 (3-Arthur D. Little)	Folder 17
Warm Fog and Stratus Cloud Dissipation Quarterly Reports <u>Date [inclusive]</u> : 1955	Box 7 (3-Arthur D. Little)	Folder 1-2
Wind Tunnel Laboratory Staff "Notes on Procedures and Analysis of Wind Tunnel Experiments on Stack Gas Dispersal" <u>Date [inclusive]</u> : 1954	Box 7 (3-Arthur D. Little)	Folder 2

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New Mexico, 1953-1996Undated

Date [inclusive]: 1953-1996

Date [inclusive]: Undated

Physical Description: 1.14 cubic ft.

Arrangement

Arranged alphabetically.

Scope and Contents

Series 4 documents Dr. Vonnegut's work with the New Mexico Institute of Mining and Technology (NMIMT) in Socorro, New Mexico. While both were employed at Arthur D. Little, he and fellow scientist Charles Moore were invited to conduct thunderstorm research at Mt. Withington, eventually becoming part of the Langmuir Laboratory for Atmospheric Research in Socorro. Moore stayed at NMIMT, and Dr. Vonnegut moved on to the State University of New York at Albany; though their collaborative research continued for the entirety of each other's career.

The series includes a large amount of correspondence with Charles Moore, as well as with other prominent figures related to NMIMT; Marx Brook, Stirling Colgate, and William Winn. This series also consists of data, research, and articles regarding experiments in New Mexico.

Title/Description	Instances	
215 Experiment <u>Date [inclusive]</u> : 1953-1987	Box 1 (4- New Mexico)	Folder 1-2
215 Experiments <u>Date [inclusive]</u> : Undated	Oversized 3	Folder 10
215 Experiments <u>Date [inclusive]</u> : Undated	Flat-File 3	
Brook, Marx <u>Date [inclusive]</u> : 1960-1992	Box 1 (4- New Mexico)	Folder 3-4
Chew, Joe "Storms above the Desert" <u>Date [inclusive]</u> : 1985-1986	Box 1 (4- New Mexico)	Folder 5
Colgate, Dr. Stirling A. <u>Date [inclusive]</u> : 1965-1985	Box 1 (4- New Mexico)	Folder 6
Data <u>Date [inclusive]</u> : 1986	Map-Tube 1	
Data <u>Date [inclusive]</u> : Undated	Box 1 (4- New Mexico)	Folder 7
DForest Service/ USDA <u>Date [inclusive]</u> : 1965 <u>Date [inclusive]</u> : Undated	Box 1 (4- New Mexico)	Folder 8
Moore, Charles B. (C.B.) <u>Date [inclusive]</u> : 1954-1996	Box 1 (4- New Mexico)	Folder 9-14
Moore, Charles B. (C.B.)	Oversized 3	Folder 11

<u>Date [inclusive]:</u> 1954-1996		
News Articles - Lightning <u>Date [inclusive]:</u> 1986	Box 1 (4- New Mexico)	Folder 15
NMIMT, Miscellaneous <u>Date [inclusive]:</u> 1956-1996	Box 1 (4- New Mexico)	Folder 16
ONR Special Purpose Test Vehicle for Atmospheric Research (SPTVAR) <u>Date [inclusive]:</u> 1979-1980	Box 1 (4- New Mexico)	Folder 17
Paper Review, Electrification of NM Thunderstorms <u>Date [inclusive]:</u> 1988	Box 1 (4- New Mexico)	Folder 18
Photographs <u>Date [inclusive]:</u> 1958	Box 1 (4- New Mexico)	Folder 19
Photographs, NMIMT <u>Date [inclusive]:</u> 1962-1968	Box 1 (4- New Mexico)	Folder 20
Reynolds, Steve <u>Date [inclusive]:</u> 1990	Box 1 (4- New Mexico)	Folder 21
Thunderstorm Electricity, Quarterly Report for period ending 7 November 1954 <u>Date [inclusive]:</u> 1954	Box 1 (4- New Mexico)	Folder 22
Winn, William (W.P.) <u>Date [inclusive]:</u> 1965-1989	Box 1 (4- New Mexico)	Folder 23

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Tornado Research, 1837-1991Undated

Date [inclusive]: 1837-1991

Date [inclusive]: Undated

Physical Description: 1.2 cubic ft.

Arrangement

Arranged alphabetically.

Scope and Contents

This series consists primarily of tornado observations and eyewitness accounts solicited from the general public via newspaper advertisements in areas where tornadoes and severe storms frequently occur. They are filed using the original labeling system employed by Dr. Vonnegut, where the date and place of the observation as well as a brief statement on the phenomena is used to identify the observation. Accounts of severe storms found in multiple publications, biblical references, and other historical observations are also present.

Please note that the archivist filed all of the loose photographs together. The archivist kept any photograph accompanying observation, research, or data with that respective material.

Title/Description	Instances	
ALERT, Alert Laymen's Enlistment Researching Tornadoes <u>Date [inclusive]:</u> 1990	Box 1 (5-Tornado Research)	Folder 1
Barnes, Stanley L., Editor "Papers on Oklahoma Thunderstorms, April 29-30, 1970 - NOAA Technical Memorandum ERL NSSL-69 <u>Date [inclusive]:</u> 1974	Box 1 (5-Tornado Research)	Folder 2
Bath, Markus "An Investigation into Three Tornadoes in Sweden" <u>Date [inclusive]:</u> 1946	Box 1 (5-Tornado Research)	Folder 3
Biblical References <u>Date [inclusive]:</u> 1966	Box 1 (5-Tornado Research)	Folder 4
Brand, Dr. Walther "Der Kugelblitz" <u>Date [inclusive]:</u> 1923	Box 1 (5-Tornado Research)	Folder 5
Changnon, Jr., Stanley A. and Richard G. Semonin "A Great Tornado Disaster in Retrospect" Weatherwise, April 1966 <u>Date [inclusive]:</u> 1966	Box 1 (5-Tornado Research)	Folder 6
Colgate, Stirling - Tornado Articles <u>Date [inclusive]:</u> 1967-1968 <u>Date [inclusive]:</u> 1981-1982	Box 1 (5-Tornado Research)	Folder 7
Dergarabedian, Paul and Francis Fendell "Estimation of Maximum Wind Speeds in Tornadoes" <u>Date [inclusive]:</u> Undated	Box 1 (5-Tornado Research)	Folder 8
Dergarabedian, Paul and Francis Fendell "Parameters Governing the Generation of Free Vortices" <u>Date [inclusive]:</u> 1967	Box 1 (5-Tornado Research)	Folder 9
Ellenberger, P. "And what exactly was the Cyclone of Thaba-Bosiu?" <u>Date [inclusive]:</u> 1957	Box 1 (5-Tornado Research)	Folder 10
Final Report "Tornado-Sferics, Season 1956" Severe Weather Planning Center, 6th Weather Squadron (Mobile), Tinker Air Force Base, Oklahoma <u>Date [inclusive]:</u> 1956	Box 1 (5-Tornado Research)	Folder 11
Flora, S.D. "The Nature of Tornadoes" Weatherwise, April 1949 <u>Date [inclusive]:</u> 1949		

	Box 1 (5-Tornado Research)	Folder 12
Gannon, Robert "New scientific research may take the sting out of lightning" <u>Date [inclusive]:</u> 1973-1974	Box 1 (5-Tornado Research)	Folder 13
Gannon, Robert "Tornado! How science tracks down the dread twister" <u>Date [inclusive]:</u> 1973	Box 1 (5-Tornado Research)	Folder 14
Hare, R. "On the Causes of the Tornado, or Water Spout" <u>Date [inclusive]:</u> 1837	Box 1 (5-Tornado Research)	Folder 15
Historical References and Observations <u>Date [inclusive]:</u> 1895 <u>Date [inclusive]:</u> 1898-1899 <u>Date [inclusive]:</u> 1906 <u>Date [inclusive]:</u> 1946 <u>Date [inclusive]:</u> 1988	Box 1 (5-Tornado Research)	Folder 16
Historical References and Observations <u>Date [inclusive]:</u> Undated	Box 1 (5-Tornado Research)	Folder 17
Hoecker, Walter H. "Detailed Time-Lapse Study of the Dallas Tornado Funnel and the Attendant Debris Cloud" <u>Date [inclusive]:</u> 1960	Box 1 (5-Tornado Research)	Folder 18
Huff, F.A., H.W. Hiser and S.G. Bigler "Study of an Illinois Tornado Using Radar, Synoptic Weather and Field Survey Data" <u>Date [inclusive]:</u> 1954	Box 1 (5-Tornado Research)	Folder 19
Idso, Sherwood B. "Tornado or Dust Devil: The Enigma of Desert Whirlwinds" <u>Date [inclusive]:</u> 1974	Box 1 (5-Tornado Research)	Folder 20
Jones, Herbert L. "The Identification of Lightning Discharges by Sferic Characteristics" <u>Date [inclusive]:</u> Undated	Box 1 (5-Tornado Research)	Folder 21
Jules, Vernon "We will do something about the weather" <u>Date [inclusive]:</u> 1966	Box 1 (5-Tornado Research)	Folder 22
Laboratory Tornadoes <u>Date [inclusive]:</u> 1976	Box 1 (5-Tornado Research)	Folder 23
Landsberg, H.E. "The Role of Atmospheric Electricity in the Atmospheric Sciences"	Box 1 (5-Tornado Research)	Folder 24

<u>Date [inclusive]:</u> 1974		
Lavan, Z. and A.A. Fejer "Luminescence in supersonic swirling flows" <u>Date [inclusive]:</u> 1965	Box 1 (5-Tornado Research)	Folder 25
Letter of support from Arthur D. Little to West Tulsa News on cooperation for printing Vonnegut's request for observations <u>Date [inclusive]:</u> 1954	Box 1 (5-Tornado Research)	Folder 26
Letter from Harry Truman <u>Date [inclusive]:</u> 1957	Box 1 (5-Tornado Research)	Folder 27
Maier, M.W. and H.W. Brandli "Simultaneous Observation of Tornado, Waterspout and Funnel Cloud" <u>Date [inclusive]:</u> 1973	Box 1 (5-Tornado Research)	Folder 28
Miller, Peter "Tracking Tornadoes" <u>Date [inclusive]:</u> 1987	Box 1 (5-Tornado Research)	Folder 29
"Notes on Certain Tornado and Squall Line Features" UAL Meteorological Circular, No. 36, April 15, 1952 <u>Date [inclusive]:</u> 1952	Box 1 (5-Tornado Research)	Folder 30
Observations: Adams, Mrs. J.C., Rumson, NJ "zig-zag streaks of lightning" "all hell broke loose" <u>Date [inclusive]:</u> 1956	Box 1 (5-Tornado Research)	Folder 31
Observations: Aiken, Mrs. Benedict D., Coconut Grove, Miami, FL "glowing with a bluish green light" <u>Date [inclusive]:</u> 1959	Box 1 (5-Tornado Research)	Folder 32
Observations: Anderson, Mrs. Philip, Toledo, OH, April 11, 1965 "then a great wall of white came" <u>Date [inclusive]:</u> 1966	Box 1 (5-Tornado Research)	Folder 33
Observations: Angus, Mrs. Florence, Toledo, OH, April 1965 "huge reddish yellow light" <u>Date [inclusive]:</u> 1966	Box 1 (5-Tornado Research)	Folder 34
Observations: Bauvia, Mrs. Bertha, Menville, IA "zig-zagged in its travel" "great bolt of lightning" <u>Date [inclusive]:</u> 1958	Box 1 (5-Tornado Research)	Folder 35
Observations: Benson, Mrs. Marcella, Toledo, OH, April 1965 "bluish white lights shooting around in the clouds" <u>Date [inclusive]:</u> 1966	Box 1 (5-Tornado Research)	Folder 36
Observations: Birmingham Alabama News "jagged streaks of fire resembling lightning"	Box 1 (5-Tornado Research)	Folder 37

<u>Date [inclusive]:</u> 1956		
Observations: Blomgren, Oscar, North Chicago, IL, August 1972 <u>Date [inclusive]:</u> 1974	Box 1 (5-Tornado Research)	Folder 38
Observations: Blumstock, Rutgers, June 22, 1928 "inside brilliantly lighted with constant flashes of lightning" <u>Date [inclusive]:</u> 1959	Box 1 (5-Tornado Research)	Folder 39
Observations: Bolduc, Mr. & Mrs., Castleton, NY "unknown objects in sky color of lit matches" <u>Date [inclusive]:</u> 1977	Box 1 (5-Tornado Research)	Folder 40
Observations: Byers, Lloyd J., Fargo, ND "luminous blue light or glow around the bottom edge of funnel" <u>Date [inclusive]:</u> 1957-1958	Box 1 (5-Tornado Research)	Folder 41
Observations: Cheyenne Tornado, July 16, 1979 <u>Date [inclusive]:</u> 1979	Box 1 (5-Tornado Research)	Folder 42
Observations: Cross, Marion H., Albuquerque, NM; Mississippi, 1960 "flickering pin points of light" <u>Date [inclusive]:</u> 1966	Box 1 (5-Tornado Research)	Folder 43
Observations: Dale, F. Douglas, Coldwater, KS "center of funnels luminous with yellow green" "balls of fire" <u>Date [inclusive]:</u> 1960	Box 1 (5-Tornado Research)	Folder 44
Observations: Decker, Jr., Mrs. Roy, Sparks, OK, Spring 1956 "great ball of fire was right above me" <u>Date [inclusive]:</u> 1958	Box 1 (5-Tornado Research)	Folder 45
Observations: Dekalb, IL <u>Date [inclusive]:</u> 1967	Box 1 (5-Tornado Research)	Folder 46
Observations: Edmond, OK Tornado, May 8, 1986 <u>Date [inclusive]:</u> 1986	Box 1 (5-Tornado Research)	Folder 47
Observations: Elder, R.H., Suburn, AL, 1924 or 1925 "lightning constantly between tip of cone and ground" <u>Date [inclusive]:</u> Undated	Box 1 (5-Tornado Research)	Folder 48
Observations: Elkins, Robert E., Thorp, WI "big ball of fire and then destruction" <u>Date [inclusive]:</u> 1958	Box 1 (5-Tornado Research)	Folder 49
Observations: Foster, Hal, Mariana Islands, 1945 from Bulletin of American Meteorological Association	Box 1 (5-Tornado Research)	Folder 50

<u>Date [inclusive]: 1950</u>		
Observations: Gaillard, Mary A., Mobile, AL, 1949 or 1950 "explosion with blue and green lights" <u>Date [inclusive]: 1958</u>	Box 1 (5-Tornado Research)	Folder 51
Observations: Godberry, Mrs. Hubert, Olney, TX, May 18, 1951 3:45 p.m. "big flash of electrical display" <u>Date [inclusive]: 1958</u>	Box 1 (5-Tornado Research)	Folder 52
Observations: Green, Mrs. Francis D., Ellington, CT, 1952 or 1953 "brilliant flash like brilliant lightning in the base" <u>Date [inclusive]: 1958</u>	Box 1 (5-Tornado Research)	Folder 53
Observations: Hamilton, Mrs. Alice, Bowers, Dallas "mass of blue and orange fire" <u>Date [inclusive]: 1958</u>	Box 1 (5-Tornado Research)	Folder 54
Observations: Highiet, Mrs. L.R., Toledo, OH, April 1965 "blue halo around tornado & orange balls of lightning coming out" <u>Date [inclusive]: 1966</u>	Box 1 (5-Tornado Research)	Folder 55
Observations: Hiser, Prof. Homer W., Miami, FL <u>Date [inclusive]: 1959</u>	Box 1 (5-Tornado Research)	Folder 56
Observations: Houston, Walter Scott, Champagne, IL, Summer 1942 "searchlight beam extend out of cloud: <u>Date [inclusive]: 1962-1963</u> <u>Date [inclusive]: 1966</u>	Box 1 (5-Tornado Research)	Folder 57
Observations: Howland, Charles E., Formoso, KS, about 1933 & about 1952 "oppressed itchy feeling" <u>Date [inclusive]: 1958</u>	Box 1 (5-Tornado Research)	Folder 58
Observations: Hunter, Lee, Blackwell, OK, May 1955 "orange color fire in the center" <u>Date [inclusive]: 1956</u>	Box 1 (5-Tornado Research)	Folder 59
Observations: Jensen, J.C., Rock Rapids, IA, 1932 "ball lightning" Science Monthly, p. 192 <u>Date [inclusive]: 1933</u>	Box 1 (5-Tornado Research)	Folder 60
Observations: Johnson, D.C., Harden County, OH, May 11, 1887, 11:00 p.m. "straws blown into bark of trees" <u>Date [inclusive]: 1958</u>	Box 1 (5-Tornado Research)	Folder 61
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Arrangement

Arranged alphabetically.

Scope and Contents

Series 6 contains Dr. Vonnegut's general interest and research files, as well as the inventions that he worked on throughout his career. Topics include: lightning, ball lightning, lightning strikes and the effect on aircraft, volcanic activity and storms on Mt. St. Helens and Surtsey, thunderstorm electrification, and weather-related instruments.

A large quantity of photographs dominates the series. Please note that the archivist filed all loose photographs together. Many photographs are undated with no specifications on location or activity depicted. The archivist kept any photograph accompanying research or data with its respective material.

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Arrangement

Arranged alphabetically.

Scope and Contents

Series 7 consists of Dr. Vonnegut's published and unpublished articles, letters to the editor, papers, reviews, reports, and book/encyclopedia chapters. Many files contain the research and data discussed within the work, as well as correspondence with the editor(s) of publications where work was submitted.

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Article: "Lowlight Level TV Images of Lightning from Space"	Box 3 (7- Manuscripts)	Folder 38
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Article: "Misconceptions about Cloud Seeding with Dry Ice"	Box 4 (7- Manuscripts)	Folder 4
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Article: "Modified Cine Sound Camera for Photographing Thunderstorms and Recording Lightning"	Box 4 (7- Manuscripts)	Folder 6
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Article: "Observations of Lightning in the Stratosphere"		

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Article: "Recent Experiments on the Effect of Ultraviolet Light on Silver Iodide Nuclei"		

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Article: "Results of an Experiment to Determine Initial Precedence of Organized Electrification and Precipitation in Thunderstorms" <u>Date [inclusive]:</u> Undated	Box 5 (7- Manuscripts)	Folder 2
Article: "Ripple at the Edge of a Spreading Monomolecular Film" <u>Date [inclusive]:</u> 1943	Box 5 (7- Manuscripts)	Folder 3
Article: "The Role of the Space Shuttle Videotapes in the Discovery of Sprites, Jets, and Elves" <u>Date [inclusive]:</u> 1998	Box 5 (7- Manuscripts)	Folder 4
Article: "Rotating Bubble Method for the Determination of Surface and Interfacial Tensions" <u>Date [inclusive]:</u> 1942	Box 5 (7- Manuscripts)	Folder 5
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Article: "Thin Films of Supersaturated Solutions for Detecting, Counting, and Identifying Very Small Crystalline Particles" <u>Date [inclusive]:</u> 1952	Box 5 (7- Manuscripts)	Folder 20
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Review: "Lightning and Its Spectrum," Leon E. Salanave <u>Date [inclusive]:</u> 1980-1981	Box 8 (7- Manuscripts)	Folder 22
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Review: The Earth's Electrical Environment, National Academy Press <u>Date [inclusive]:</u> 1986-1987	Box 8 (7- Manuscripts)	Folder 24
Review: The Lightning Book, P.E. Viemietser <u>Date [inclusive]:</u> 1973 <u>Date [inclusive]:</u> 1975	Box 8 (7- Manuscripts)	Folder 25
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Arrangement

Arranged alphabetically.

Scope and Contents

Series 8 documents the work that Dr. Vonnegut did while employed at SUNY Albany. During his time at SUNY Albany, Dr. Vonnegut taught classes, served on committees, attended conferences, and continued his research concerning weather, lightning, and clouds. Much of the research that Dr. Vonnegut did while at SUNY Albany was done as part of government research projects. Most notable was his work on Project Themis which was conducted by the United States Air Force. The project's main focus was on the modification and structure of clouds and fog but also investigated other areas of research such as raindrop dynamics and atmospheric electrical phenomena

Included in this series are flyers, pamphlets, photographs, reports, project proposals, correspondence, travel arrangements, purchasing requests, conference programs, meeting agendas, press releases, newspaper and magazine clippings, handwritten notes, drawings, figures, and materials related to classes Dr. Vonnegut taught. Class materials include lists of students as well as tests and grades students received. Materials with personal information about students are restricted.

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Arrangement

Arranged alphabetically.

Scope and Contents

This series contains records for professional conferences and meetings arranged and/or attended by Dr. Vonnegut as well as project proposals, reports, correspondence, travel arrangements, conference programs, meeting agendas, registrations and other conference-related items, press release, and records on the classes he taught. Additionally, this series includes papers written by others that Dr. Vonnegut found interesting or pertinent to his research.

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Date [inclusive]: 1938-1997

Date [inclusive]: Undated

Physical Description: 7 cubic ft.

Arrangement

Arranged alphabetically.

Scope and Contents

Series 10 contains files on a wide variety of subjects; people, articles, topics in science, and other topics of interest to Dr. Vonnegut throughout his career.

Title/Description

Instances

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AAAS: Stored Energy In Water <u>Date [inclusive]:</u> 1978 <u>Date [inclusive]:</u> 1981	Box 1 (10- Subject Files)	Folder 4
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Russian Weather MOD Article <u>Date [inclusive]:</u> 1967	Box 5 (10-Subject Files)	Folder 26
Ryan, Bob <u>Date [inclusive]:</u> 1968-1996	Box 5 (10-Subject Files)	Folder 27
S <u>Date [inclusive]:</u> 1961-1996	Box 5 (10-Subject Files)	Folder 28-31
Saffer Charles <u>Date [inclusive]:</u> 1995	Box 5 (10-Subject Files)	Folder 32
Sanders Frederick <u>Date [inclusive]:</u> 1978 <u>Date [inclusive]:</u> 1985	Box 5 (10-Subject Files)	Folder 33
<i>Saturday Review</i> <u>Date [inclusive]:</u> 1965-1968 <u>Date [inclusive]:</u> 1970	Box 5 (10-Subject Files)	Folder 34
V.J. Schaefer <u>Date [inclusive]:</u> 1954-1993	Box 5 (10-Subject Files)	Folder 35-36
VJS Library <u>Date [inclusive]:</u> 1982	Box 5 (10-Subject Files)	Folder 37
Vincent Schaefer and Snow Makings by Katherine B. Blodgett <u>Date [inclusive]:</u> 1947-1948	Box 5 (10-Subject Files)	Folder 38
Schwarz, Joe <u>Date [inclusive]:</u> 1992 <u>Date [inclusive]:</u> 1994	Box 5 (10-Subject Files)	Folder 39
<i>Science</i> <u>Date [inclusive]:</u> 1964-1992	Box 5 (10-Subject Files)	Folder 40
Science Fortnightly, Inc. <u>Date [inclusive]:</u> 1965	Box 5 (10-Subject Files)	Folder 41
Science History		

<u>Date [inclusive]:</u> 1992-1993	Box 5 (10-Subject Files)	Folder 42
U.S. Senate Committee on Commerce 3/8/66 <u>Date [inclusive]:</u> 1966	Box 5 (10-Subject Files)	Folder 43
Senate Com. Inferior & Insular Affairs 3/23/66 <u>Date [inclusive]:</u> 1966	Box 5 (10-Subject Files)	Folder 44
Paul Silberg <u>Date [inclusive]:</u> 1957 <u>Date [inclusive]:</u> 1963 <u>Date [inclusive]:</u> 1965 <u>Date [inclusive]:</u> 1976-1978 <u>Date [inclusive]:</u> 1981-1982	Box 5 (10-Subject Files)	Folder 45
Paul Silberg <u>Date [inclusive]:</u> Undated	Box 5 (10-Subject Files)	Folder 46
Silverman, Sam (DR.) <u>Date [inclusive]:</u> 1974 <u>Date [inclusive]:</u> 1977-1978 <u>Date [inclusive]:</u> 1984-1985	Box 5 (10-Subject Files)	Folder 47
Joanne Simpson <u>Date [inclusive]:</u> 1963-1995	Box 5 (10-Subject Files)	Folder 48
Sprites etc. <u>Date [inclusive]:</u> 1993-1996	Box 6 (10-Subject Files)	Folder 1
Standler, Ronald <u>Date [inclusive]:</u> 1970-1973 <u>Date [inclusive]:</u> 1976	Box 6 (10-Subject Files)	Folder 2
Stanford, John L. <u>Date [inclusive]:</u> 1971-1972 <u>Date [inclusive]:</u> 1975-1976	Box 6 (10-Subject Files)	Folder 3
State University of New York at Albany <u>Date [inclusive]:</u> 1965-1969 <u>Date [inclusive]:</u> 1971-1981 <u>Date [inclusive]:</u> 1985 <u>Date [inclusive]:</u> 1991	Box 6 (10-Subject Files)	Folder 4-5
State University of New York at Albany - "The Atmosphere" Art Museum Show	Box 6 (10-Subject Files)	Folder 6

<u>Date [inclusive]:</u> 1993		
State University of New York at Albany, Mary Fiess Update <u>Date [inclusive]:</u> 1987	Box 6 (10-Subject Files)	Folder 7
Static Electricity Sensor For Helicopters, Army Fort Eustes, VA <u>Date [inclusive]:</u> 1979	Box 6 (10-Subject Files)	Folder 8
Stith, Jeffrey L <u>Date [inclusive]:</u> 1985	Box 6 (10-Subject Files)	Folder 9
Stockmayer, Walter <u>Date [inclusive]:</u> 1949	Box 6 (10-Subject Files)	Folder 10
Stockmayer Walter <u>Date [inclusive]:</u> 1973 <u>Date [inclusive]:</u> 1975 <u>Date [inclusive]:</u> 1982-1983 <u>Date [inclusive]:</u> 1987	Box 6 (10-Subject Files)	Folder 11
Stone, Robert G. <u>Date [inclusive]:</u> 1970-1971	Box 6 (10-Subject Files)	Folder 12
Strange, John P <u>Date [inclusive]:</u> 1964 <u>Date [inclusive]:</u> 1966 <u>Date [inclusive]:</u> 1968	Box 6 (10-Subject Files)	Folder 13
Sugar Explosions <u>Date [inclusive]:</u> 1965	Box 6 (10-Subject Files)	Folder 14
Surtsey <u>Date [inclusive]:</u> 1965	Box 6 (10-Subject Files)	Folder 15
The Swiss Watch by John Leimert <u>Date [inclusive]:</u> Undated	Box 6 (10-Subject Files)	Folder 16
T <u>Date [inclusive]:</u> 1962-1994	Box 6 (10-Subject Files)	Folder 17-18
Hannes Tammet, USSR <u>Date [inclusive]:</u> 1964 <u>Date [inclusive]:</u> 1975-1977 <u>Date [inclusive]:</u> 1984-1985 <u>Date [inclusive]:</u> 1992	Box 6 (10-Subject Files)	Folder 19
Bill Taylor ELF	Box 6 (10-Subject Files)	Folder 20

<u>Date [inclusive]:</u> 1986		
Taylor, Sir Geoffrey <u>Date [inclusive]:</u> 1965-1967 <u>Date [inclusive]:</u> 1969	Box 6 (10- Subject Files)	Folder 21
Thor Guard <u>Date [inclusive]:</u> 1975	Box 6 (10- Subject Files)	Folder 22
A.J. Thrope Weather <u>Date [inclusive]:</u> 1981 <u>Date [inclusive]:</u> 1988 <u>Date [inclusive]:</u> 1991	Box 6 (10- Subject Files)	Folder 23
Trefethen, L. <u>Date [inclusive]:</u> 1985	Box 6 (10- Subject Files)	Folder 24
Turnball, David <u>Date [inclusive]:</u> Undated	Box 6 (10- Subject Files)	Folder 25
Twitchell, Paul <u>Date [inclusive]:</u> 1989	Box 6 (10- Subject Files)	Folder 26
U <u>Date [inclusive]:</u> 1962-1967 <u>Date [inclusive]:</u> 1970-1972	Box 6 (10- Subject Files)	Folder 27
UCAR Cups Research Project <u>Date [inclusive]:</u> 1980	Box 6 (10- Subject Files)	Folder 28
UFO Articles <u>Date [inclusive]:</u> 1966	Box 6 (10- Subject Files)	Folder 29
USA Today <u>Date [inclusive]:</u> 1995	Box 6 (10- Subject Files)	Folder 30
V <u>Date [inclusive]:</u> 1958-1988	Box 6 (10- Subject Files)	Folder 31
W <u>Date [inclusive]:</u> 1959 <u>Date [inclusive]:</u> 1961-1980 <u>Date [inclusive]:</u> 1982-1985 <u>Date [inclusive]:</u> 1991 <u>Date [inclusive]:</u> 1993-1997	Box 6 (10- Subject Files)	Folder 32-34
Weather Modification Association	Box 6 (10- Subject Files)	Folder 35

<u>Date [inclusive]:</u> 1994		
WMO Technical Note <u>Date [inclusive]:</u> 1974-1975	Box 6 (10- Subject Files)	Folder 36
Observations Hurricane Alicia R.T Walter <u>Date [inclusive]:</u> 1983	Box 6 (10- Subject Files)	Folder 37
Rob't Watts, Tulane U. Theory of Prester Tornadoes <u>Date [inclusive]:</u> 1971-1975	Box 6 (10- Subject Files)	Folder 38
Weather Bureau <u>Date [inclusive]:</u> 1964-1966	Box 6 (10- Subject Files)	Folder 39
Wegener <u>Date [inclusive]:</u> 1992	Box 6 (10- Subject Files)	Folder 40
Weickmann, Helmut <u>Date [inclusive]:</u> 1965 <u>Date [inclusive]:</u> 1967-1968	Box 6 (10- Subject Files)	Folder 41
Weide Robert B. <u>Date [inclusive]:</u> 1994	Box 6 (10- Subject Files)	Folder 42
Weyer, J.R <u>Date [inclusive]:</u> 1966 <u>Date [inclusive]:</u> 1968 <u>Date [inclusive]:</u> 1974	Box 6 (10- Subject Files)	Folder 43
John Willett <u>Date [inclusive]:</u> 1972-1974 <u>Date [inclusive]:</u> 1976 <u>Date [inclusive]:</u> 1980-1983 <u>Date [inclusive]:</u> 1991	Box 6 (10- Subject Files)	Folder 44-45
Earle Williams <u>Date [inclusive]:</u> 1975-1976 <u>Date [inclusive]:</u> 1979-1994	Box 6 (10- Subject Files)	Folder 46-47
E Wms 2/5 Ms <u>Date [inclusive]:</u> 1986	Box 6 (10- Subject Files)	Folder 48
William Dale Williams <u>Date [inclusive]:</u> 1974	Box 6 (10- Subject Files)	Folder 49
Wise, George (GE) <u>Date [inclusive]:</u> 1984	Box 6 (10- Subject Files)	Folder 50
Wood, C.A. "Unusual lightning"		

<u>Date [inclusive]:</u> 1951	Box 6 (10-Subject Files)	Folder 51
Whyaduck Production <u>Date [inclusive]:</u> 1996	Box 6 (10-Subject Files)	Folder 52
Wyckoff, Pete <u>Date [inclusive]:</u> 1965-1969 <u>Date [inclusive]:</u> 1971-1972	Box 6 (10-Subject Files)	Folder 53

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Audio/Video, 1955-1996Undated

Date [inclusive]: 1955-1996

Date [inclusive]: Undated

Physical Description: 2.8 cubic ft.

Arrangement

Arranged alphabetically

Scope and Contents

Dr. Vonnegut's audio/visual series consists of materials related to his research and presentations as well as the work done by some of his colleagues, especially Duncan Blanchard and Vincent Schaefer. The formats included in this series are VHS, cassette, reel to reel, ½" open reel, 8 mm film, super 8 film, and 16 mm film. Visual materials come in both color and black and white formats. Items have been titled based on Dr. Vonnegut's own identification system. Any audio or video which Dr. Vonnegut did not name are listed as Untitled.

Title/Description	Instances
41D Video 1) Lightning (Sit Camera) Time In GMT 2) Payload Assist Module Burn <u>Date [inclusive]:</u> Undated <u>Physical Description:</u> genreform: VHS	Video-Tape 1
Aerology-Thunderstorms – Pt. 1 – Formation and Structure of Thunderstorms (MN-7409-A) <u>Date [inclusive]:</u> Undated	Film 1
Aerology-Thunderstorms Pt. 2 – Flight Techniques with Respect to Thunderstorms (MN-7409-B) <u>Date [inclusive]:</u> Undated	Film 2
Atmospheric Electricity <u>Date [inclusive]:</u> Undated	Film 3
Bentley - all Things Considered - D. Blanchard	Cassette 1

<u>Date [inclusive]:</u> Undated	
Bernie's Discussion of Optical Signal Detection 0-300 Counts, NOSL Hardware Test at Norman, Oklahoma (300-381)	Video-Tape 2
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Bernie Talk	Film 4
<u>Date [inclusive]:</u> Undated	
Bob Ryan, Waterspout Tornado	Video-Tape 3
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
BV AMS Nuclei Film	Film 5
<u>Date [inclusive]:</u> Undated	
The Coalescence of Liquid Drops	Film 6
<u>Date [inclusive]:</u> Undated	
Copy of Hatlidi Jousson Electrostatic Vortex	Video-Tape 4
<u>Date [inclusive]:</u> 1991	
<u>Physical Description:</u> genreform: VHS	
Conquest Pt. II - WX Data (2)	Film 7
<u>Date [inclusive]:</u> Undated	
Cyclone	Film 8
<u>Date [inclusive]:</u> Undated	
Dr. John Howard 3 3/4 1/ds 1/4 TRK	Reel 1
<u>Date [inclusive]:</u> Undated	
Dr. John Howard 3 3/4 1ds 1/4TRK	Reel 2
<u>Date [inclusive]:</u> Undated	
Dr. John String - New Kirk Flight	Film 9
<u>Date [inclusive]:</u> Undated	
Dr. Kevin's Bubble	Film 10
<u>Date [inclusive]:</u> Undated	
E. Wind VJS etc. DCB & Sigma; Tornadoes Gidven	Video-Tape 5
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Electrostatic Vortex – Tonsson and BV	Video-Tape 6
<u>Date [inclusive]:</u> 1991	

<u>Physical Description</u> : genreform: VHS	
EDC #212 Vonnegut's Tornado FTG. Orig EKTA	Film 11
<u>Date [inclusive]</u> : Undated	
Fermi Lab Tornado Seminar Tape 1	Video-Tape 7
<u>Date [inclusive]</u> : 1991	
<u>Physical Description</u> : genreform: VHS	
Fermi Tornado Seminar (Excerpts) Tape 2	Video-Tape 8
<u>Date [inclusive]</u> : 1991	
<u>Physical Description</u> : genreform: VHS	
Gas Jet Turbulence – Schliereh	Video-Tape 9
<u>Date [inclusive]</u> : Undated	
<u>Physical Description</u> : genreform: VHS	
GBI Pt. 2	Film 12
<u>Date [inclusive]</u> : 1959	
General Electric Highlights for Langmuir Project	Video-Tape 10
<u>Date [inclusive]</u> : 1996	
<u>Physical Description</u> : genreform: VHS	
Goddard Space Flight Center “ CBS Conquest 1958 Simpson Cloud Studies”	Video-Tape 11
<u>Date [inclusive]</u> : 1991	
<u>Physical Description</u> : genreform: VHS	
ICAE VII Session 1 (0-3875) - Session 2 (3880-5362)	Video-Tape 12
<u>Date [inclusive]</u> : Undated	
<u>Physical Description</u> : genreform: VHS	
ICAE VII Session 3 (0000-3114) – Session 4 (3210-5080)	Video-Tape 13
<u>Date [inclusive]</u> : Undated	
<u>Physical Description</u> : genreform: VHS	
ICAE VII Session 5 (0-2895) – Session 6 (up to 5104) – Session 7 (til end)	Video-Tape 14
<u>Date [inclusive]</u> : Undated	
<u>Physical Description</u> : genreform: VHS	
ICAE VII Session 7-II ; Session 8	Video-Tape 15
<u>Date [inclusive]</u> : Undated	
<u>Physical Description</u> : genreform: VHS	
ICAE VII Session 10-2 / Conference Summary	Video-Tape 16
<u>Date [inclusive]</u> : Undated	

<u>Physical Description:</u> genreform: VHS	
ICAE VII Banquet Speeches <u>Date [inclusive]:</u> Undated <u>Physical Description:</u> genreform: VHS	Video-Tape 17
Jets Whittle and Von Ghain <u>Date [inclusive]:</u> Undated <u>Physical Description:</u> genreform: VHS	Video-Tape 18
John Howard <u>Date [inclusive]:</u> 1974 <u>Physical Description:</u> genreform: 1/2" Open Reel	Video-Tape 19
Lightning and Time-Lapse Video Recordings of Clouds over Langmuir Laboratory and N.M. Tech - C.B. Moore <u>Date [inclusive]:</u> 1991 <u>Physical Description:</u> genreform: VHS	Video-Tape 20
Lightning-Nova <u>Date [inclusive]:</u> Undated <u>Physical Description:</u> genreform: VHS	Video-Tape 21
Red Sprites and Blue Jets – Luminous Discharges above T-Storms – University Alaska <u>Date [inclusive]:</u> 1994 <u>Physical Description:</u> genreform: VHS	Video-Tape 22
Mason Day <u>Date [inclusive]:</u> 1979 <u>Physical Description:</u> genreform: VHS	Video-Tape 23
McConnel AFB Tornado <u>Date [inclusive]:</u> 1991 <u>Physical Description:</u> genreform: VHS	Video-Tape 24
Mt. Redoubt Eruptions <u>Date [inclusive]:</u> Undated <u>Physical Description:</u> genreform: VHS	Video-Tape 25
Night and Day Opt. Survey of Lightning (NOSL) <u>Date [inclusive]:</u> Undated	Film 13
NOSL Equipment - Norman, Okla - "Lightning During Severe Thunder Storms" <u>Date [inclusive]:</u> 1980	Film 14
NOSL - Norman, Okla	Film 15

<u>Date [inclusive]:</u> 1980	
NOSL/STS-4 Mag, 301, 305, 307 (Master)	Film 16
<u>Date [inclusive]:</u> Undated	
Nova's Story of Penicillin 0-1480	Video-Tape 26
<u>Date [inclusive]:</u> 1986	
<u>Physical Description:</u> genreform: VHS	
- ? Oklahoma ? Midwest City Cloud-TL D-142 T.L. Clouds	Film 17
<u>Date [inclusive]:</u> 1956	
Pesetsky – Discovery CBM CTR Wilson	Video-Tape 27
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Plainfield Tornado Dick Moore – Before Zola	Video-Tape 28
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Simulated LTG Test 1078" DA Hole for Strobe Source	Video-Tape 29
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Skylab-3 Day-249 TV-71 Liquid Motion H-02443	Film 18
<u>Date [inclusive]:</u> Undated	
STS-4 NOSL Master	Film 19
<u>Date [inclusive]:</u> Undated	
STS-6 NOSL	Video-Tape 30
<u>Date [inclusive]:</u> 1983	
<u>Physical Description:</u> genreform: VHS	
"Surface Chemistry" by Dr. Irving Langmuir, Nobel Prize Laureate in Chemistry	Video-Tape 31
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
STS-30	Video-Tape 32
<u>Date [inclusive]:</u> 1989	
<u>Physical Description:</u> genreform: VHS	
Surtsey - with Whirlwinds	Film 20
<u>Date [inclusive]:</u> Undated	
Time Lapse Video Recordings of Clouds over the Magdalena Mountains of New Mexico from the Lemitar NM Camera; Langmuir Lab, NM Tech Socorro, NM	Video-Tape 33

<u>Date [inclusive]:</u> 1991	
<u>Physical Description:</u> genreform: VHS	
Temps d'un Eclair - St. Privat Allier	Film 21
<u>Date [inclusive]:</u> Undated	
T.L. High Alt. Baloon	Film 22
<u>Date [inclusive]:</u> 1955	
The Tornado: Approaching the Unapproachable	Film 23
<u>Date [inclusive]:</u> Undated	
Tornadoes	Video-Tape 34
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Tornados Misc.	Video-Tape 35
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Untitled	Video-Tape 36
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: 1/2" Open Reel	
Untitled	Film 24
<u>Date [inclusive]:</u> Undated	
Untitled	Film 25
<u>Date [inclusive]:</u> Undated	
Upward Lightning - JR Winkler, U Minn July 1989 - Science July 1990	Video-Tape 37
<u>Date [inclusive]:</u> 1989-1990	
<u>Physical Description:</u> genreform: VHS	
Video Observations of Uppser Atmosphere Optical Flashes Recorded from the NASA DC-8 Over the Midwest	Video-Tape 38
<u>Date [inclusive]:</u> 1993	
<u>Physical Description:</u> genreform: VHS	
Vince Schaefer "A" Roll Dub	Video-Tape 39
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Vonnegut Copy of Master	Video-Tape 40
<u>Date [inclusive]:</u> Undated	
<u>Physical Description:</u> genreform: VHS	
Vonnegut "A" Roll Dub	

<u>Date [inclusive]:</u> Undated <u>Physical Description:</u> genreform: VHS	Video-Tape 41
Vonnegut-Moore 1957 DOC Orig. Koda. DL. (1957 Mt. Washington N.M. Field Trip Original) <u>Date [inclusive]:</u> 1957	Film 26
"The Weather Channel" <u>Date [inclusive]:</u> Undated <u>Physical Description:</u> genreform: VHS	Video-Tape 42
When Lightning Strikes with Tom Skilling <u>Date [inclusive]:</u> 1992 <u>Physical Description:</u> genreform: VHS	Video-Tape 43

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