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American Meteorological Society Oral History Project - AMSOHP

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Describing Archives: A Content Standard

National Center for Atmospheric Research (NCAR) Archives

Table of Contents

Summary Information	3
Biographical or Historical Information	3
Scope and Contents	4
Administrative Information	4
Controlled Access Headings	4
Collection Inventory	5

Summary Information

Repository:	National Center for Atmospheric Research (NCAR) Archives
Title:	American Meteorological Society Oral History Project
ID:	- AMSOHP
Date [inclusive]:	1983-2013
Date [bulk]:	1983-2013
Date [inclusive]:	Date acquired: 2009-11-02
Physical Description:	107.00 Items
Language of the Material:	English
Abstract:	The collection is arranged alphabetically by the name of the individual being interviewed.

Preferred Citation

[Interview], American Meteorological Society Oral History Project, Archives, National Center for Atmospheric Research.

[^ Return to Table of Contents](#)

Biographical or Historical Information

The American Meteorological Society Oral History Project (AMSOHP) was created as a joint program between the American Meteorological Society and the University Corporation for Atmospheric Research (UCAR).

[^ Return to Table of Contents](#)

Scope and Contents

The American Meteorological Society Oral History Project (AMSOHP) aims to capture the history of the atmospheric sciences as told by scientists, administrators, and others working in field. The collection is especially rich in interviews that capture the memories of scientists who launched much of the innovative meteorological research in post-war America.

[^ Return to Table of Contents](#)

Administrative Information

Publication Statement

National Center for Atmospheric Research (NCAR) Archives

Conditions Governing Access

Some access restrictions apply to the interviews within this collection, and all are not open for access. Please contact the Archives for more information.

Access to interviews in this collection is provided through OpenSky, the NCAR Library's digital repository.

Conditions Governing Use

Copyright for items in this collection is held by the American Meteorological Society, all rights reserved. Interviews cannot be reproduced without permission in writing from the AMS. For further information, please email permissions@ametsoc.org or write Librarian, American Meteorological Society, 45 Beacon Street, Boston, MA 02108.

[^ Return to Table of Contents](#)

Controlled Access Headings

- Meteorology--History
- World War, 1939-1945
- Oral histories

- Addresses
- American Meteorological Society.

Collection Inventory

Title/Description	Instances
Abrams, Irwin, 1999-04-23, 1999-05-21	
<u>Date [inclusive]:</u> 1999-04-23, 1999-05-21	
<u>Digital Object:</u> Oral History Interview with Irwin Abrams: 1999-04-23-	

Scope and Contents

Oral history interview with Irwin Abrams, 1999. Interviewed by Laura Cochrane. 2 sound cassettes (ca. 2 hrs., tapes 1 and 2, side B blank) : analog, mono. AMS 154-155; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Anderson, Charles, 1992-06-24

Date [inclusive]: 1992-06-24

Digital Object: [Oral History Interview with Charles E. Anderson](#)

Digital Object: [Transcript of Oral History Interview with Charles E. Anderson: 1992-06-24-](#)

Scope and Contents

Oral history interview with Charles E. Anderson, 1992. Interviewed by Earl Droessler. 2 sound cassettes (ca. 2 hrs.) : analog, mono + transcript (34 pgs.). AMS 82-83; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Charles E. Anderson begins by recalling his entry into the Army Air Corps at the University of Chicago, and his work there under Byers, Wolf, Rossby, Reed and Starr. He then covers the Black Army Air Corps group based at Tuskegee and his service as squadron weather officer. He comments on studying high polymer chemistry at Brooklyn Poly, and his assignment to Watson Labs in the Atmospheric Analysis group, overseeing the work of German scientists including [Randolph] Pendorff, Heinz Lettau and [E.W.] Wahl. He then discusses his work with the [AFCRC] Geophysics Research Directorate [aka GRD]. He mentions work with Kappa, Kellogg, and Landsberg at GRD, and notes C. Yunge's work on composition of aerosols as well as Japanese scientists, work on vacuum ultraviolet spectroscopy. Anderson reflects on his publication of Cumulus Dynamics "Proceedings of the ... Conference on Cumulus Convection," and his work with Betty Iliff on gravity wave type pulsations using pressure transducers. He comments on Lowly's work with

balloons for gathering stratospheric data and describes cloud seeding experiments. He talks about his service as cloud physics project officer in Project [Operation] Greenhouse, the forerunner of H-bomb experiments. He notes his work with Pendar on suppressing jet contrails, his PhD work at MIT, and move to head the atmospheric analysis group at Douglas Aircraft, where he worked on interplanetary exploration and moist cloud models. He mentions his work at ESSA under Bob White, setting up the first World Weather Watch program. He then describes his work as a professor at the University of Wisconsin with Vern Suomi, and studies of tornadic thunderstorms, detailing the use of satellite and computer technology. He discusses his tenure at North Carolina State, working on the move from orlarian to Lagrangian schemes and improving on statistical interpretation of data. He ends by reflecting on his family background, the scarcity of Black PhDs in meteorology, and his thoughts of the future.

Controlled Access Headings:

- World War, 1939-1945
- African American scientists

Anthes, Richard, 2004-08-05, 2004-08-06

Date [inclusive]: 2004-08-05, 2004-08-06

Scope and Contents

Oral history interview with Richard Anthes, 2004. Interviewed by Donald R. Johnson, William Kuo, Akira Kasahara, Thomas Warner, and Warren Washington. 2 sound cassettes (ca. 3 hrs.): analog, mono + Transcript (57 pgs.). 3 mini-dv video cassettes (ca. 3 hrs.): digital, color, sound. AMS 183-184; sound cassettes, two versions (one master, one copy). AMS 185-188; video cassettes, one version (one master). Access restrictions; AMS approval required to examine interview; written permission required to quote, cite, or reproduce any portion of the material. Forms part of American Meteorological Society Oral History Project. Topics include: early life and growing up in the South; education; first job; hurricanes; graduate school; 3D modeling; computing; coming to NCAR; other scientists; work at Penn State; time as an administrator at NCAR; NCAR research and projects; international relations; UCAR and the university community; and family life.

Atlas, David, 1987-09-30

Date [inclusive]: 1987-09-30

Digital Object: [Oral History Interview with Dave Atlas: 1987-09-30-](#)

Digital Object: [Transcript of Oral history interview with David Atlas: 1987-09-30-](#)

Scope and Contents

Oral history interview with David Atlas, 1987. Interviewed by Robert Serafin. 2 sound cassettes (ca. 2 hrs., tape 2 side B blank) : analog, mono + transcript (29 pgs.). AMS 17-18; two versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Dr. David Atlas recounts his early aspirations to science; the graduate education he received at the City College of New York, the New York University Air Force Meteorology Program, Harvard and MIT; and his preliminary involvement in meteorology during World War II, including his contributions to radar technology while assigned to the All-Weather Flying Division (AWFD) at Wright Field, Ohio. He describes his work and colleagues at the Air Force Cambridge Research Labs, now the Air Force Geophysics Lab; the formation of the Joint Laboratory for Atmospheric Probing during his tenure at the University of Chicago; his role and that of colleagues in the progress of Doppler Radar research in the 1960s; and his decision to join NCAR in 1972. Dr. Atlas also details his directorship of the National Hail Research Experiment (NHRE) during hail suppression and seeding experiments. Finally he discusses his accomplishments at NASA Goddard. "Eye of the Storm: A Weatherman's Story" by David Atlas, unpublished autobiographical monograph, available in David Atlas subject file at the NCAR Archives.

Controlled Access Headings:

- World War, 1939-1945
- Radar meteorology
- Weather control

Baer, Ferdinand, 2003-01-24

Date [inclusive]: 2003-01-24

Digital Object: [Oral History Interview with Ferdinand Baer: 2003-01-24-](#)

Digital Object: [Transcript of Oral History Interview of Ferdinand Baer: 2003-01-24-](#)

Scope and Contents

Oral history interview with Ferdinand Baer, 2003. Interviewed by Joseph Tribbia and Michael Chen. 3 sound cassettes (ca. 5 hrs.): analog, mono + transcript (81 pgs.). AMS 165-167; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: childhood in Germany and Scranton, PA; going to University of Chicago; how he came to be a meteorologist; the meteorology program in Chicago; early work in physics and meteorology; first paper published; other scientists worked with; parameterization work with hurricanes; early problems with programming; early computer modeling; working at Colorado State; colleagues at Colorado State; travels to Mexico and India; reflections on teaching and past graduate students; working for GFDL; leaving CSU;

visits to Boulder and NCAR; other countries meteorological modeling; development of the transform method; three dimensional spectral modeling; Bill Burrows; energy analysis; Michigan; sabbatical in Sweden; chairman of the program of meteorology at Maryland; vertical truncation; designing climate models; teaching; numerical hurricane prediction; and international students.

Battan, Louis, 1986-10-08

Date [inclusive]: 1986-10-08

Digital Object: [Thoughts on Radar Meteorology by Louis J. Battan: 1986-10-08-](#)

Digital Object: [Transcript of Thoughts on Radar Meteorology by Louis Battan: 1986-10-08-](#)

Scope and Contents

Thoughts on Radar Meteorology by Louis J. Battan, 1986. 1 sound cassette (ca. 1 hr., side B blank) : analog, mono + transcript (8 pgs.). AMS 28; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. In "Thoughts on Radar Meteorology", Louis J. Battan relates his involvement in research on thunderstorms, hail scattering, and Doppler radar among other projects. He highlights what he believes are his most significant accomplishments. Comments dictated at the request of David Atlas.

Controlled Access Headings:

- Radar meteorology
-

Baum, Werner A., 1989-11-29

Date [inclusive]: 1989-11-29

Digital Object: [Oral History Interview with Werner Baum: 1989-11-29-](#)

Digital Object: [Transcript of Oral History Interview of Werner Baum: 1989-11-29-](#)

Scope and Contents

Oral history interview with Werner Baum, 1989. Interviewed by Earl Droessler. 1 sound cassettes (ca. 1 hr.): analog, mono + transcript (9 pgs.). AMS 50; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: AMS presidency; computers and meteorology; McIDAS system; reflections on the relation between the weather bureau and the private sector; reflections on the development of private meteorology and the catalyst role of the AMS; the diminishing concern for ethics in the AMS; government agencies relation to meteorology; personal feelings towards government and bureaucracy; working in government labs in the 1950s; comments on the National Science Foundation; reflections on Astronomy; influence of the National Academy of Science on

the meteorology field; comments on the Bob White; thoughts on the integration of atmospheric and oceanic sciences; cooperation between international scientists; Florida State meteorology department and anniversary.

Benton, George S., 1991-05-27

Date [inclusive]: 1991-05-27

Digital Object: [Oral History Interview with George S. Benton: 1991-05-27-](#)

Digital Object: [Transcript of Oral History Interview of George S. Benton: 1991-05-27-](#)

Scope and Contents

Oral history interview with George S. Benton, 1991. Interviewed by Earl Droessler. 3 sound cassettes (ca. 5 hrs.) : analog, mono + transcript (58 pgs.). AMS 73-75; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. George S. Benton recalls his work for the Soil Conservation Service studying climatology in Ohio; his subsequent position as Observer for the Weather Bureau in 1939, and experiences in the aviation cadet program in meteorology, both as student and teacher, at the University of Chicago, 1942. He comments on the life and work of Rossby, both in designing university meteorology programs, and his immense influence on the science. He mentions his wartime role in the Operations Analysis Group for the Army Air Forces Weather Wing; describes the discovery of the jet stream by B-29 bombers; and recalls Ben Holzman's story about forecasting for the Trinity nuclear test. He remembers early attempts to forecast diffusion of radioactive fallout in the Northern Hemisphere; working for the Hydrometeorology Service; postwar teaching at Chicago and then Johns Hopkins. Next he describes the formation of ERL and ESSA and NOAA; his contribution to the establishment of laboratories, cooperative institutes, and research experiments like BOMEX. He reflects on the accomplishments of the American Meteorological Society; his association with the National Academy of Sciences; and the growing importance of UCAR and NCAR. Benton discusses science and national public policy with Earl Droessler; details his trip to the Soviet Union to investigate hail prevention efforts; and describes his appointment to the WMO, and a scientific trip to the People's Republic of China. He concludes by describing his youth and family, and recapping his career as a scientist.

Bierly, Eugene, 2001-05-29

Date [inclusive]: 2001-05-29

Digital Object: [Oral History Interview with Eugene Bierly: 2001-05-29-](#)

Digital Object: [Transcript of Oral History Interview with Eugene Bierly: 2001-05-29-](#)

Scope and Contents

Oral history interview with Eugene Bierly, 2001. Interviewed by Earl Droessler. 2 sound cassettes (ca. 3 hrs.) : analog, mono + transcript (48 pgs.). AMS 135-136; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Bierly begins by discussing how he came to work for the National Science Foundation (NSF) and addresses what drew him to the NSF, Fred White's role in helping him complete his doctorate, his first few months working for NSF and his job getting funding for projects. Bierly continues with how he became the NSF Global Atmospheric Research Program (GARP) Coordinator and how the White House formed an inter-agency committee on atmospheric sciences that could coordinate on weather modification. Bierly comments on the role Walt Roberts had in the naming of GARP as well as the objectives of GARP and its activities. Bierly goes on to discuss more international programs, GATE (GARP Atlantic Tropical Experiment), and how the American Meteorological Society (AMS) contributed to GARP. Bierly then moves on to the Climate Dynamics program and discusses the application of climate to agriculture and international activities of the Climate Program and the World Climate Program.

At the beginning of Tape 2, Bierly interviews Droessler and Droessler begins to talk about his career and other scientists working in the field. Bierly then talks about the NSF's cooperative agreement with NCAR and comments on past presidents of UCAR and directors of NCAR. Bierly discusses his presidency of the AMS in 1984 and then Droessler discusses his presidency of the AMS in 1983. Bierly continues on to talk about the first past presidents' dinner, and describe his childhood in Pennsylvania, his college career at the University of Pennsylvania in Philadelphia, his career in the Navy, graduate school at the University of Michigan and his career after graduation. Droessler then gives his background covering his childhood in Iowa, his college career at Loras College, his career in the Navy and after his service.

Bollay, Eugene, 1987-08-04

Date [inclusive]: 1987-08-04

Digital Object: [Oral History Interview with Eugene Bollay: 1987-08-04-](#)

Digital Object: [Transcript of Oral History Interview of Eugene Bollay: 1987-08-04-](#)

Scope and Contents

Oral history interview with Eugene Bollay, 1987. Interviewed by Earl Droessler. 1 sound cassettes (ca. 2 hrs.) : analog, mono + transcript (15 pgs.). AMS 64; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Topics include: education as electrical engineer; assistantship at Caltech under Irving Krick; influence of Petterssen and Rossby; work in hydrology at US Weather Bureau; teaching meteorology during World War II; wartime service in forecasting for bombing raids; meteorology at the Office of Naval Research postwar; activities of the American Meteorological Society, including AMS certification programs; presidency of AMS; establishment of weather modification business with Bob Elliott (North American Weather Consultants); cloud seeding in the western U.S.; support for university research in cloud physics and weather modification; attempts to modify hurricanes; youth and family.

Bundgaard, Robert C., 1998-09-16

Date [inclusive]: 1998-09-16

Digital Object: [Oral History Interview with Robert C. Bundgaard: 1998-09-16-](#)

Digital Object: [Transcript of Oral History Interview with Robert C. Bundgaard: 1998-09-16-](#)

Scope and Contents

Oral history interview with Robert C. Bundgaard, 1998. Interviewed by Melvin Holzman and Diane Rabson. 1 sound cassette (ca. 1 hr.) : analog, mono + Transcript (19 pgs.). AMS 134; one physical version (one master). Forms part of American Meteorological Society Oral History Project.

Robert C. Bundgaard begins by describing his family and youth in Denver, Colorado, and his early interest in music and mathematics. He discusses his education at the University of Denver; work at the Mount Evans Observatory under Joyce Stearns, investigating the influence of [cosmic] radiation on fruit flies, and graduate work at Columbia University. He comments on his activities as an aviation cadet in meteorology at UCLA under Joe Kaplan and Jac Bjerknes, and other instructors. He reports on subsequent work at the Pentagon Weather Central as part of the Long Range Forecasting Units, describing forecasting techniques using desk calculators. Next, he details his posting to southern England to help forecast for the Allied strategic bombing campaign and pending invasion of Normandy, and discusses his group's upper air forecasting efforts, Soviet weather observations, and the 21st Weather Squadron. Finally, he describes the consensus D-Day invasion (Operation Overlord) forecast as it was prepared by the various Allied meteorology groups, commenting on the activities of Don Yates, Ben Holzman, Irving Krick, Sverre Petterssen, and J. M. Stagg.

Businger, Joost, 2000-08-29

Date [inclusive]: 2000-08-29

Digital Object: [Oral History Interview with Joost A. Businger: 2000-08-29-](#)

Digital Object: [Transcript of Oral History Interview of Joost Businger: 2000-08-29-](#)

Scope and Contents

Oral history interview with Joost A. Businger, 2000.
Interviewed by Kristina B. Katsaros. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (34 pgs.). AMS 159-160; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: interest in meteorology; early education in Holland; reason for coming to USA; Wisconsin to University of Washington, early colleagues; international field programs, Australia, Russia; road to various discoveries, relationships of various students to those projects; activities in retirement, secretary of AAAS; collaboration with son Steve Businger.

Braham, Roscoe R., 2002-06-19

Date [inclusive]: 2002-06-19

Digital Object: [Oral History Interview with Roscoe Braham: 2002-06-](#)

Digital Object: [Transcript of Oral History Interview of Roscoe R. Braham: 2002-](#)

Scope and Contents

Oral history interview with Roscoe Braham, 2002.
Interviewed by Stephen Cole. 1 sound cassette (ca. 2 hrs.) : analog, mono + transcript (31 pgs.). AMS 216; four physical versions (one master, three copies). Forms part of American Meteorological Society Oral History Project.

Topics include: Irving Langmuir's contributions to meteorology; 1947 cloud seeding experiment (Vince Schaefer); Thunderstorm Project; U.S. Weather Bureau and efficacy of seeding; seeding project with Workman in New Mexico; attempt to modify hurricanes; project (Puerto Rico) to initiate precipitation through water drop seeding; Bergeron hypothesis of rain formation; Project White Top; Langmuir's theory of rain production by chain reaction in clouds; Weather Bureau response to Langmuir; recollections of Langmuir, Workman, Schaefer, Vonnegut, Wallace Howell, Horace Byers; origin of the University of Arizona atmospheric science department (Lou Douglas' involvement, and Krick).

Byers, Horace, 1987-08-03

Date [inclusive]: 1987-08-03

Digital Object: [Oral History Interview with Horace Byers: 1987-08-03-](#)

Digital Object: [Transcript, Oral History Interview with Horace Byers: 1987-08-03-](#)

Scope and Contents

Oral history interview with Horace Byers, 1987. Interviewed by Earl Droessler : AMS 66; no tapes. Forms part of American Meteorological Society Oral History Project and UCAR/NCAR Oral History Collection. Horace R. Byers describes his undergraduate career and subsequent position as meteorological observer for the U. S. Weather Bureau (1925) at the University of California at Berkeley. He discusses the El Nino phenomenon as it was understood in the 1920s, and comments on later discoveries. He talks about his work as assistant to Carl-Gustaf Rossby in California for the Daniel Guggenheim Fund, commenting on the state of American meteorology in the 1920s. He describes the advent of university meteorology departments at Caltech, MIT, and the University of Chicago, including his own graduate work at MIT under Rossby and Hurd Willett. He reviews theoretical developments in meteorology in the 1930s as well as reflecting on his own work in cloud physics; Rossby's work on turbulence and rotating tank experiments with Dave Fultz; formation of the Milliken Committee to overhaul the Weather Bureau in the 1930s. He details the creation of the wartime university meteorological programs (Caltech, UCLA, MIT, NYU, and Chicago), which turned out highly trained military personnel and spurred postwar development of the science. He discusses the Thunderstorm Project, and subsequent activity in weather modification in the United States.

Byers, Horace, 1990-07-02

Date [inclusive]: 1990-07-02

Digital Object: [Oral History Interview with Horace Byers: 1990-07-02-](#)

Digital Object: [Transcript of Oral History Interview of Horace Byers: 1990-07-02-](#)

Scope and Contents

Oral history interview with Horace Byers, 1990. Interviewed by Roscoe Braham. 2 sound cassettes (ca. 3 hrs.) : analog, mono. AMS 46-47; three physical versions (one master, two copies; sound cassettes and compact disc). Forms part of American Meteorological Society Oral History Project. Topics include: early meteorology and El Nino; education; American vs. Norwegian and German meteorology; theoretical developments of the 1930s; Rossby; historical scientific papers; University of Chicago; and thunderstorms.

Carbone, Richard E., 2005-05-09

Date [inclusive]: 2005-05-09

Digital Object: [Oral History Interview with Richard E. Carbone: 2005-05-09-](#)

Scope and Contents

Oral history interview with Richard E. Carbone, 2005.
Interviewed by Robert Serafin. 2 sound cassettes (ca. 2 hrs., tape 2 side B blank) : analog, mono. AMS 193-194; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Cartwright, Gordon D., 1991-12-14

Date [inclusive]: 1991-12-14

Digital Object: [Oral History Interview with Gordon D. Cartwright: 1991-12-14-](#)

Digital Object: [Transcript of Oral History Interview of Gordon D. Cartwright: 1991-12-14-](#)

Scope and Contents

Available through the Roger G. Barry Resource Office for Cryospheric Studies. Oral history interview with Gordon Cartwright, 1991. Interviewed by Morton J. Rubin. 2 sound cassettes (ca. 2 hrs., tape 2 side A blank) : analog, mono + transcript (28 pgs.). AMS 77-78; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: youth; first position at US Weather Bureau; development of the Aviation Weather Service; centralization of forecasting; development of instrumentation; work for Transatlantic Weather Service; aviation cadet program at NYU during World War II; analysis of Northern Hemisphere Surface Maps; postwar work in observing systems at the Weather Bureau; formation of ICAO [International Civil Aviation Organization] and North Atlantic meteorological stations; work of Irving Krick; rebuilding upper air stations and training observers in the Pacific; history of the IGY; the IGY and Southern Hemisphere weather maps; comments on weather detection radar as well as cooperation between the National Weather Service and NASA regarding satellite programs; the WMO and its organization.

Cowen, Robert C., 2001-05-29

Date [inclusive]: 2001-05-29

Digital Object: [Oral History Interview with Robert C. Cowen: 2001-05-29-](#)

Digital Object: [Transcript of Oral History Interview with Robert Cowen: 2001-05-29-](#)

Scope and Contents

Oral history interview with Robert Cowen, 1991. Interviewed by Gene Bierly. 1 sound cassette (ca. 1 hrs.) : analog, mono + transcript (29 pgs.). AMS 101; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: His childhood and parents; early education and college; interest in meteorology; working as the Christian Science Monitor; satellites and the

impact of Sputnik; lessons learned from other scientists; book about oceanography; space and working with the Russians; the Pugwash movement; writing the Technology Review; long term career as a science writer; life in Europe; atomic power; GATE; interviewing people; traveling with his wife; the changing role of atmospheric science; retirement; and the American Geophysical Union (AGU).

Cressman, George, 1992-08-24

Date [inclusive]: 1992-08-24

Digital Object: [Oral History Interview with George Cressman: 1992-08-24-](#)

Digital Object: [Transcript of Oral History Interview with George Cressman: 1992-08-24-](#)

Scope and Contents

Oral history interview with George Cressman, 1992. Interviewed by Warren Washington, Norman Phillips, Ron McPherson, and Jim Howcroft. 3 sound cassettes (ca. 5 hrs., tape 3 side B blank) : analog, mono + transcript (56 pgs.). AMS 84-86; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. George Cressman describes his youthful interest in weather and discusses his undergraduate education at Penn State and training at NYU as an aviation cadet in meteorology during World War II. He discusses postwar research in Puerto Rico and at the University of Chicago under Rossby and Palmen. He comments on the attempt to apply barotropic ideas for forecasting long wave motion. He describes his consultant duties for the USAF Air Weather Service under Sverre Petterssen, including forecasting for atomic bomb tests at the Nevada Proving Grounds. He details his role in the nascent JNWPU and the unit's eventual evolution into the National Meteorological Center (NMC). He talks about NMC activities during his tenure as director. He highlights his attempts through WMO to standardize codes for worldwide data exchange. He describes the first hurricane model and development of the Cressman analysis system. He comments on the breakup of the Weather Bureau and formation of ESSA, NOAA and ERL. Finally, he describes his challenges as director of the Weather Bureau/National Weather Service, comments on the impact of meteorological satellites on forecasting and discusses the development of the limited-area fine-mesh model. He concludes by discussing his meteorological consulting activities in various countries.

Crow, Loren W., 1992-04-21

Date [inclusive]: 1992-04-21

Digital Object: [Oral History Interview with Loren W. Crow: 1992-04-21-](#)

Digital Object: [Transcript of Oral History Interview of Loren Crow: 1992-04-21-](#)

Scope and Contents

Oral history interview with Loren W. Crow, 1992. Interviewed by Julius London. 1 sound cassettes (ca. 1 hr.) : analog, mono + transcript (30 pgs.). AMS 81; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: undergraduate work; aviation cadet program in meteorology at Caltech; service in Guam and Saipan; forecasting for bombing raids over Japanese cities, and response of B-29 pilots; first verification of upper-level jetstream; destruction in postwar Japan; establishment of Offutt Air Force Base Weather Central; work for Irving Krick's International Meteorology Consulting Service in England, then in weather modification in the United States; establishment of own applied meteorology business; work with air conditioning industry, designers of cooling towers, consulting meteorologist for ESSA (predecessor to NOAA); AMS certified consulting meteorologist program; National Council of Industrial Meteorologists; assignments from National Science Foundation, including a review of weather modification programs; forensic meteorology, and other projects.

Culnan, Robert N., 1993-10-25

Date [inclusive]: 1993-10-25

Digital Object: [Oral History Interview with Robert N. Culnan: 1993-10-25-](#)

Digital Object: [Transcript of Oral History Interview with Robert N. Culnan: 1993-10-25-](#)

Scope and Contents

Available through the Roger G. Barry Resource Office for Cryospheric Studies. Oral history interview with Robert Culnan, 1993. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hrs.) : analog, mono + transcript (29 pgs.). AMS 101; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Robert Culnan describes his graduate education and teaching of the aviation cadet classes in meteorology at New York University (1940-1945). He discusses his 36 year career in the U.S. Weather Bureau, much of it working with Harry Wexler. He comments on the various programs and research developments of those years, including the Dobson network for ozone measurement; USWB support of university research; establishment of hurricane and severe storm research programs; advent of the IGY; Dave Keeling's carbon dioxide studies; the weather satellite program; evolution of the USWB through ESSA and NOAA. He concludes by describing his youth and education, and earliest work for the USWB in California.

Eliassen, Arnt, 1989-10-11

Date [inclusive]: 1989-10-11

Digital Object: [Oral History Interview with Arnt Eliassen: 1989-10-10-](#)

Digital Object: [Transcript of Oral History Interview with Arnt Eliassen: 1989-10-11-](#)

Scope and Contents

Oral history interview with Arnt Eliassen, 1989. Interviewed by Joseph Tribbia and Philip Thompson. 2 sound cassettes (ca. 3 hrs.) : analog, mono + transcript (6 pgs., incomplete). AMS 43-44; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Tribbia and Thompson begin with an introduction and Thompson provides a brief history of numerical weather prediction and how he knew Eliassen. Thompson then starts by asking Eliassen about his interest in numerical prediction, Jule Charney and Vilhelm Bjerknes. Eliassen responds and comments on the people who influenced him in the field and their scientific works. Eliassen then discusses his initial exposure to meteorology at the University of Oslo and how his interest developed. From there, Eliassen talks about his occupation as a weather forecaster during WWII and then comments on his quasi-geostrophic system equations.

Eliassen, Arnt - Meteorologists I have Known, 1989-10-13

Date [inclusive]: 1989-10-13

Digital Object: [Talk by Arnt Eliassen, "Meteorologists I have Known": 1989-10-13-](#)

Scope and Contents

Meteorologists I have Known - Arnt Eliassen. 1 sound cassette (ca. 1 hr.) : analog, mono. AMS 45; one version (one master). Forms part of American Meteorological Society Oral History Project.

Elsasser, Walter M., 1986-03-12

Date [inclusive]: 1986-03-12

Digital Object: [Oral History Interview with Walter M. Elsasser: 1986-03-12-](#)

Digital Object: [Transcript of Oral History Interview with Walter M. Elsasser: 1986-03-12-](#)

Scope and Contents

Oral history interview with Walter M. Elsasser, 1986. Interviewed by Jeffrey T. Kiehl. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (17 pgs.). AMS 1; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Walter M. Elsasser discusses his research in geophysics and atmospheric radiation, 1937-1942, and his work at the California Institute of Technology, and the Blue Hill Observatory. The strengths

of the interview are his comments about other scientists, including Charles Brooks, John Strong, and Carl-Gustaf Rossby.

Fleagle, Robert C., 1990-09-24

Date [inclusive]: 1990-09-24

Digital Object: [Oral History Interview with Robert Feagle: 1990-09-24-](#)

Scope and Contents

Oral history interview with Robert Feagle, 1990. Interviewed by Earl Droessler. 1 sound cassette (ca.1 hr.) : analog, mono. AMS 58; one physical version (one master). Forms part of UCAR/NCAR Oral History Project. Forms part of American Meteorological Society Oral History Project.

Fletcher, Joseph O., 1991-03-19

Date [inclusive]: 1991-03-19

Digital Object: [Oral History Interview with Joseph O. Fletcher: 1991-03-19-](#)

Digital Object: [Transcript of Oral History Interview of Joseph O. Fletcher: 1991-03-19-](#)

Scope and Contents

Oral history interview with Joseph O. Fletcher, 1991. Interviewed by William Kellogg. 2 sound cassettes (ca. 3 hrs., tape 2 side B blank) : analog, mono + Transcript (50 pgs.). AMS 69-70; two versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: Development of first weather radars and upper win measuring systems; early days of Air Weather Services; C.O. Weather Reconnaissance Squadron based at Eilson AFB, Alaska; discovery and occupation of ice island T-3 (Fletcher's Island); development of NSF's Antartctic Program; thoughts about role of polar regions and atmospheric circulations in control of global climate; NOAA's climate research program.

Four Decades of the Atmospheric Sciences, 1987-01-12

Date [inclusive]: 1987-01-12

Digital Object: [Four Decades of the Atmospheric Sciences - AMS annual meeting: 1987-01-12-](#)

Digital Object: [Four Decades of the Atmospheric Sciences- AMS annual meeting: 1987-01-12-](#)

Scope and Contents

Four Decades of the Atmospheric Sciences" - AMS Annual Meeting, 1987. 2 sound cassettes (ca. 2 hrs., tape 2 side B blank) : analog, mono + transcript for "The Maturing of the Science" by Philip D. Thompson (23 pgs.). AMS 5-6; two physical versions (one master, one copy). Forms part

of American Meteorological Society Oral History Project.
Speeches include: "The Maturing of the Science" Philip Thompson (tape 1, side A); "The sophistication of the technological base" Verner E. Suomi (tape 1, side A); "The evolving profession" Richard E. Hulgren (tape 2, side A); "The society in transition" Thomas F. Malone (tape 2, side B).

Fujita, Tetsuya Theodore - 42 Years of Research on Atmospheric Disturbances, 1988-02-24

Date [inclusive]: 1988-02-24

Digital Object: [42 Years of Research on Atmospheric Disturbances. T.T. Fujita: 1988-02-24-](#)

Scope and Contents

42 Years of Research on Atmospheric Disturbances by T.T. Fujita. 1 sound cassette (ca. 1 hrs.) : analog, mono. AMS 29; two versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Fujita, Tetsuya Theodore, 1988-02-25

Date [inclusive]: 1988-02-25

Digital Object: [Oral History Interview with T.T. Fujita: 1988-02-25-](#)

Digital Object: [Transcript of Oral History Interview of T.T. Fujita: 1988-02-25-](#)

Scope and Contents

Oral history interview with Tetsuya Theodore Fujita, 1988. Interviewed by Richard Rotunno. 1 sound cassette (ca. 1 hr.) : analog, mono + Transcript (19 pgs.). AMS 30; one version (one master). Forms part of American Meteorological Society Oral History Project. Dr. Fujita's early years in Japan and growing interest in natural phenomena and measurement are discussed, followed by a description of his education at Tokyo University leading to his thesis, an analytical study of typhoons. He recounts his work as research assistant on the Thunderstorm Project under Horace Byers; his professorship at the University of California; his first major field project studying clouds at San Francisco Mountain in Flagstaff, Arizona; his interest in mesoscale disturbances; his investigation of a tornadic storm in Fargo, North Dakota; and the sometimes conflicting ideas in research, the resistance to and the eventual acceptance of his theories relating to downbursts and tornadoes. Dr. Fujita explains his interest in expanding his research on wind and storms to a global scale.

Friday, Elbert (Joe) W., 2003-07-25

Date [inclusive]: 2003-07-25

Digital Object: [Oral History Interview with Elbert W. Friday, Jr.: 2003-07-25-](#)

Digital Object: [Transcript of Oral History Interview of Elbert W. Friday, Jr.: 2003-07-25-](#)

Scope and Contents

Oral history interview with Elbert W. "Joe" Friday, Jr., 2003. Interviewed by Kristine Harper. 2 sound cassettes (ca. 3 hrs.) : analog, mono + transcript (53 pgs.). AMS 17-18; three physical versions (one master, two copies). Forms part of American Meteorological Society Oral History Project. Harper begins by asking about Friday's early life. Friday talks about his parents, his father's military service and his childhood moving around the country. Friday comments on his influences, church life, and interest in math and science. From there they move on to his military career and Friday talks about how he joined the military and studied weather at the University of Oklahoma. Friday outlines specific courses he took and then describes his experience in the Air Force as a staff weather officer. Friday discusses computer modeling, forecasting technology and aircrafts. Harper then questions more about Friday's education and Friday talks about graduate school and the destruction of his first dissertation. Friday also comments on his advisers, his dissertation topic, and other Air Force officers with him in the program. Friday then moves on to his Air Force career after graduation and his assignment to the Compatriot project in Vietnam. He goes into detail on the failure of the project, his clean-up, the cease-fire in Vietnam and his time at Nakhon Phanom Air Base. Friday dictates how he was almost fired and then talks about his year at the Air War College, his promotions to Colonel and his job as the military assistant for environmental research with the DOD and ultimately the director. He talks about how he questioned the military weather systems and how his inquiries led to major improvements in the systems. Friday then moves on to talk about his retirement from the Air Force and subsequent directorship of the National Weather Service.

Haggard, William, 2007-08-21

Date [inclusive]: 2007-08-21

Digital Object: [Oral History Interview with William H. Haggard: 2007-08-21-](#)

Digital Object: [Transcript of Oral History Interview of William H. Haggard: 2007-08-21-](#)

Scope and Contents

Oral history interview with William H. Haggard, 2007. Interviewed by Sean Potter. 3 sound cassettes (ca. 3 hrs., tape 3 side B blank) : analog, mono + transcript (42 pgs.). AMS 232-234; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: childhood; family background and early education; undergraduate and graduate education; career in the U.S. Navy; career in the U.S. Weather Bureau; tenure as director of

National Climatic Center; and career as private sector forensic meteorological consultant.

Holland, Elizabeth A., 2008

Date [inclusive]: 2008

Scope and Contents

Oral history interview with Elizabeth A. Holland, 2008. Interviewed by Zhenya Gallon. 1 compact disk : digital, one version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: early life, education, projects, mentors, colleagues, work/life challenges, challenges for women in science, and interdisciplinary work.

Hosler, Charles L., 1989-09-13

Date [inclusive]: 1989-09-13

Scope and Contents

Oral history interview with Charles Hosler, 1989. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hrs.) : analog, mono + transcript (17 pgs.). AMS 51; two physical versions (one master, one copy). Access restrictions; UCAR approval required to examine interview; written permission required to quote, cite, or reproduce any portion of the material. Forms part of American Meteorological Society Oral History Project. Duplicate interview in the UCAR/NCAR Oral History collection. Topics include: how he became interested in meteorology; service in the Navy; education and work at Penn State; changes in the field of meteorology from the 40s; reflections on weather modification and the importance of cloud physics; the domination of the field by dynamic meteorologists and the dearth of physical meteorologists; the role of the military in meteorology; the importance of cooperation in the scientific field; work with the TV Seal of Approval; highlights of his term as president of the American Meteorological Society (AMS).

Kasahara, Akira, 1998-11-02

Date [inclusive]: 1998-11-02

Scope and Contents

Oral history interview with Akira Kasahara, 1998. American Institute of Physics (AIP) Interview. Interviewed by Paul Edwards. 3 sound cassettes (ca. 4 hrs.) : analog, mono + transcript (43 pgs.). AIP 168-170; two physical versions (one master, one copy). Access restrictions; AIP approval required to examine interview; written permission required to quote, cite, or reproduce any portion of the material. Forms part of American Meteorological Society Oral History Project. Topics include: early life; education; work with the Numerical Weather Prediction group; research at Texas Agricultural and Mechanical; working with computers; work at NCAR; developing the GCM (General Circulation Model); uses

of the GCM; work with GARP as acting head at NCAR; NCAR attitude towards GARP; differences between tropical and middle-latitude modeling; current work on tropical cyclones; and what work is the most impactful on the field of atmospheric science.

Kent, Don, 2009-09-28

Date [inclusive]: 2009-09-28

Scope and Contents

Oral history interview with Don Kent, 2009. Interviewed by Robert Henson. 2 digital movies (ca. 2 hrs.) : digital (.mov), stereo. AMS 240-241; one physical version (one master). Forms part of American Meteorological Society Oral History Project.

London, Julius, 1987-05-21

Date [inclusive]: 1987-05-21

Scope and Contents

Oral history interview with Julius London, 1987. Interviewed by Jeffrey T. Kiehl and Warren Washington. 2 sound cassettes (ca. 2 hrs.) : analog, mono + transcript (26 pgs.). AMS 15-16; two physical versions (one master, one copy). Access restrictions; interview can only be viewed by scholars that are approved by the AMS. Forms part of American Meteorological Society Oral History Project. Topics covered: childhood and education at Brooklyn College; influence of teachers and older brother; graduate cadet class in meteorology at NYU, 1941; work at New York City Weather Bureau office; teaching at Chanute Field; postwar graduate work at NYU; collaboration with Yamamoto; thesis work on radiative balance in the atmosphere in the month of March; and planetary and cloud albedo.

Fultz, Dave, 1992-11-11, 1993-01-15

Date [inclusive]: 1992-11-11, 1993-01-15

Digital Object: [Oral History Interview with David Fultz: 1992-](#)

Digital Object: [Transcript of Oral History Interview of Dave Fultz: 1992-](#)

Scope and Contents

Oral history interview with David Fultz, 1992-1993. Interviewed by Paul Frenzen. 5 sound cassettes (ca. 7 hrs.) : analog, mono + transcript (102 pgs.). AMS 87-91; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: early life; education; work with the Weather Bureau; work during World War II; the first rotating experiments; dishpan experiments; work in the hydraulic lab at University of Chicago; similar work in other hydraulic labs; and teaching.

Haurwitz, Frank, 1993-10-22

Date [inclusive]: 1993-10-22

Digital Object: [Oral History Interview with Frank Haurwitz: 1993-10-25-](#)

Digital Object: [Transcript of Oral History Interview with Frank Haurwitz: 1993-10-22-](#)

Scope and Contents

Oral history interview with Frank Haurwitz, 1993. Interviewed by Julius London. 1 sound cassettes (ca. 1 hr.) : analog, mono + transcript (9 pgs.). AMS 98; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Frank Haurwitz, the son of Bernhard Haurwitz discusses his fathers activities at MIT and summers at Woods Hole Oceanographic Institution 1945-1955, and subsequent interactions. He discusses his father's social and recreational activities and his friendships.

Robert, Andre, 1987-11-27

Date [inclusive]: 1987-11-27

Scope and Contents

Oral history interview with Andre Robert, 1987. Interviewed by Harold Ritchie. 2 sound cassettes (ca. 2 hrs.) : analog, mono + transcript (56 pgs.). AMS 67-68; one physical version (one master). Access restrictions; use with permission from Canada Environment Service only. Forms part of American Meteorological Society Oral History Project. Forms part of the Oral History Project Canadian Meteorological Service Topics include: biographical sketch; primary and secondary education; undergraduate education; early career decisions; beginnings of numerical weather prediction in Canada; Ph.D. studies; time as a professor at McGill; time as chief of RPN; time as director of the Canadian Meteorological Centre; time as senior scientist at RPM; general research methodology; research policy; general discussion, awards, and future plans.

Haurwitz, Marian, 1993-10-26

Date [inclusive]: 1993-10-26

Digital Object: [Oral History Interview with Marian Haurwitz: 1993-10-26-](#)

Digital Object: [Transcript of Oral History Interview with Marian Haurwitz: 1993-10-26-](#)

Scope and Contents

Oral history interview with Marian Haurwitz, 1993. Interviewed by Julius London. 1 sound cassette (ca. 1 hr., side B blank, tape interrupted, cuts off after 15 minutes) : analog, mono + transcript (5 pgs.). AMS 99; two physical

versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Kraus, Eric B. - The Education of a Meteorologist, 1987-10-28

Date [inclusive]: 1987-10-28

Digital Object: [The Education of a Meteorologist, talk by Eric Kraus at NCAR: 1987-10-28-](#)

Scope and Contents

"The Education of a Meteorologist", a talk by Eric Kraus at NCAR, 1987. 2 sound cassettes (ca. 2 hrs.) : analog, mono. AMS 24; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Roberts, Walter Orr, 1983-07-26

Date [inclusive]: 1983-07-26

Scope and Contents

Oral history interview with Walter Orr Roberts, 1983. Interviewed by David DeVorkin. Access restrictions; AIP approval required to examine interview; written permission required to quote, cite, or reproduce any portion of the material. Forms part of American Meteorological Society Oral History Project.

Kuettner, Joachim P., 1994-10-21

Date [inclusive]: 1994-10-21

Digital Object: [Oral History Interview with Joachim Kuettner: 1994-10-21-](#)

Digital Object: [Transcript of Oral History Interview of Joachim P. Kuettner: 1994-10-21-](#)

Scope and Contents

Oral history interview with Joachim Kuettner, 1994. Interviewed by William Kellogg. 1 sound cassette (ca. 1 hrs.) : analog, mono + transcript (28 pgs.). AMS 112; three physical versions (one master, two copies). Forms part of American Meteorological Society Oral History Project. Topics include: piloting gliders; postwar work in atmospheric electricity at Zugspitze Observatory; cloud streets; the Scorer Parameter; work for NASA on the Mercury and Apollo Projects; convection waves; mountain waves; Sierra Wave Project; science in Germany; invitation to UCLA; BOMEX project and sea-air interaction; GATE project; TOGA-COARE; CEPEX; data management; and the STORM project.

Kraus, Eric B., 1987-10-28, 1987-11-06

Date [inclusive]: 1987-10-28, 1987-11-06

Digital Object: [Oral History Interview with Eric Kraus: 1987-10-28-](#)

Digital Object: [Transcript of Oral History Interview of Eric B. Kraus: 1987-10-28-](#)

Scope and Contents

Oral history interview with Walter M. Elsasser, 1986.
Interviewed by Jeffrey T. Kiehl. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (17 pgs.). AMS 1; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Eric Kraus begins by describing his youth, family, teachers and friends in prewar Czechoslovakia; his schooling in Switzerland, Vienna, Bergen, Norway, and Prague. He recounts wartime activities in the French Air Force and the Royal Air Force, where he set up meteorological flights for weather forecasting. He discusses his work as a radiophysicist for CSIRO in Australia; as a lecturer at the University of Sydney; his role in the Snowy Mountains Authority. He recalls his experiments with weather modification and growing skepticism regarding its practicality. Next he describes the Rossby Fellowship, which brought him to the Woods Hole Oceanographic Institute in 1961, and his contributions to the study of the interaction of the atmosphere and the ocean; in the study of upper ocean layers and large-scale energy transport in the ocean. He talks about his tenure as director of the Cooperative Institute for Marine and Atmospheric Studies, University of Miami, as well as his work at the Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado.

Smagorinsky, Joseph, 1986-05-16

Date [inclusive]: 1986-05-16

Scope and Contents

Oral history interview with Joseph Smagorinsky, 1986.
Interviewed by John Young. 2 sound cassettes (ca. 3 hrs.) : analog, mono + transcript (39 pgs.). AMS 3-4; two physical versions (one master, one copy). Access restrictions; AMS approval required to examine interview; written permission required to quote, cite, or reproduce any portion of the material. Forms part of American Meteorological Society Oral History Project. Joseph Smagorinsky describes his youthful interest in weather, early education at NYU and the Air Force Cadet Program. He mentions a number of others involved in the War Course who continued on to prominence in meteorology and other fields. He discusses Rossby's impact on the War Course, and talks about his forecasting work for a bombing group after receiving his commission. He reviews his education in the masters program at NYU under Haurwitz and Hans Panofsky and his thesis on determining the divergence fields. He describes meeting Charney at AMS and comments on his work with Harry Wexler at the Weather Bureau. He mentions the controversy between Soviet and US scientists regarding the influence of solar flares. He then describes his PhD work at the Institute for Advanced Study on a two-

level primitive equation model and discusses the Phillips-Charney baroclinic model. He then reviews the organization of JNPWU and GCRS, and details Reichelderfer's leadership style as well as his own. He details the recruiting a number of scientists for modeling, including Manabe and Douglas Lilly, and talks about adding hurricane and mesoscale modeling to other fields. He comments on the computer technology changes that affected the Weather Bureau's location, and the choice of Princeton as a location for GFDL. He describes the executive committee of AMS, and the management style of Ken Spengler. He mentions key staff additions in the late 1960s and early 1970s, and discusses Mahlman's leadership. Finally, Smagorinsky reflects on the success of GFDL and his own legacy.

Controlled Access Headings:

- World War, 1939-1945

Lally, Vincent E., 1993-07-13

Date [inclusive]: 1993-07-13

Digital Object: [Oral History Interview with Vincent E. Lally: 1993-07-13-](#)

Digital Object: [Transcript of Oral History Interview of Vincent E. Lally: 1993-07-13-](#)

Scope and Contents

Oral history interview with Vincent E. Lally, 1993. Interviewed by William Kellogg. 2 sound cassettes (ca. 2 hrs.) : analog, mono + transcript (29 pgs.). AMS 96-97; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Vincent Lally describes his undergraduate education and meteorological training at the University of Chicago as an aviation cadet. He discusses his work as chief of meteorological equipment development at Air Force Cambridge Research Lab, and mentions Project 119-L ("Moby Dick"). He comments on the beginnings of NCAR and his role in creating the National Scientific Balloon Facility (NSBF). He describes the first flights from NSBF, Palestine, Texas, using zero-pressure balloons. He talks about research with super-pressure balloons and the establishment of a flight station at Christchurch, New Zealand, with a description of the GHOST research program. He comments on France's super-pressure balloon program and discusses plans for a major joint US-French Southern Hemisphere experiment, as part of the GARP Global Weather Experiment. He notes the successful demonstration of the Carrier Balloon System in conjunction with the GOES satellite. He comments on the present state and future of scientific ballooning, describing the major improvements in navigation systems developed at NCAR, his role as consultant on manned balloon flights, and concludes with an anecdote about the sensitivity of weather balloons overflying Russia.

Lenschow, Donald H., 2006-08-28

Date [inclusive]: 2006-08-28

Digital Object: [Oral History Interview with Donald H. Lenschow: 2006-08-28-](#)

Scope and Contents

Oral history interview with Donald H. Lenschow, 2006. Interviewed by Bjorn Stevens. 8 sound cassettes (ca. 12 hrs.) : analog, mono. AMS 207-214; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: Electra aircraft; chief scientist position at NCAR's Research Aircraft Facility (RAF); problems with the planes; GATE project; instruments on the plane; Air Mass Transformation Experiment (AMTEX); flying in Japan; Boreo Echosphere Atmosphere Study (BOREAS); changing role over the years; pilots; other airplanes; Mt. Saint Helens; and GAMETAG.

Thompson, Philip D., 1988-08-17

Date [inclusive]: 1988-08-17

Scope and Contents

Oral history interview with Philip Thompson, 1988. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (14 pgs.). AMS 48; two physical versions (one master, one copy). Access restriction: Written permission of the President of AMS required for access. Forms part of American Meteorological Society Oral History Project. Topics include: application of high-speed computing to meteorology; work on the Princeton project; numerical weather prediction; work in Stockholm; major problems during presidency of AMS; journals published by the AMS; tensions in the AMS; early life and education; and family life.

Controlled Access Headings:

- Numerical weather forecasting
-

Lettau, Heinz, 2002-03-10

Date [inclusive]: 2002-03-10

Digital Object: [Oral History Interview with Heinz Lettau: 2002-03-10-](#)

Digital Object: [Transcript of Oral History Interview of Heinz Lettau: 2002-03-10-](#)

Scope and Contents

Oral history interview with Heinz Lettau, 2002. Interviewed by Sharon Nicholson. 7 sound cassettes (ca. 10 hrs.) : analog, mono + transcript (102 pgs.). AMS 171-177; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: early life, family, interest in science, education, World War I,

Heisenberg, Kate Lettau, the Livsic School of Meteorology, pendulum and salt mine experiments, ballooning, World War II, time as a POW in Washington DC, re-education after the war, moving to America, German mistakes in forecasting during the war, and spying.

Levin, Zev, 2007-04-22

Date [inclusive]: 2007-04-22

Digital Object: [Oral History Interview with Zev Levin: 2007-04-22-](#)

Digital Object: [Transcript of Oral History Interview of Zev Levin: 2007-04-22-](#)

Scope and Contents

Oral history interview with Zev Levin, 2007. Interviewed by William Cotton. 1 sound cassette (ca. 1 hr., tape 1 side B blank) : analog, mono + transcript (7 pgs.). AMS 217; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: childhood, family, and education in Israel; development of interest in science; university education in the United States; study with Peter Hobbs, Morris Neiburger; research in atmospheric electricity, ice nucleation, hydrodynamic interaction of particles, cloud seeding, mechanisms for charge separation in clouds, dust; teaching, research and administration at Tel Aviv University; establishment of School for Environmental Studies; graduate students; and involvement with the Columbia Space Shuttle.

Lorenz, Edward N. and Philip Thompson, 1986-07-31

Date [inclusive]: 1986-07-31

Digital Object: [Edward D. Lorenz and Philip D. Thompson Lecture: 1989-07-17-](#)

Scope and Contents

Lorenz, Edward N. and Philip Thompson, 1986. 1 sound cassette (ca. 1 hr.) : analog, mono. AMS 2; two physical versions (one master, one copy). Access restrictions; interview can only be viewed by scholars that are approved by the AMS. Forms part of American Meteorological Society Oral History Project. Edward Lorenz and Phil Thompson interview each other about their educational background, experiences at NCAR, and their research. Ed Lorenz, Professor, Massachusetts Institute of Technology and frequent NCAR visitor, discusses his involvement with the problem of available potential energy, his work with Eric Kraus on air/sea interactions, and his scientific contributions including his research on predictability and long range forecasting and the development of the Lorenz attractor sets. He comments on the staff size and atmosphere for conducting research at NCAR in the early 1960s. Phil Thompson, NCAR senior scientist, talks about the early influences of Jule Charney,

John von Neumann, and Carl-Gustaf Rossby on his career in meteorology; the development of the Numerical Weather Prediction Model; atmospheric modelling of turbulence using computers; and his experiences as an NCAR administrator and scientist.

Washington, Warren M., 1998-10-28

Date [inclusive]: 1998-10-28

Scope and Contents

Oral history interview with Warren M. Washington, 1998. American Institute of Physics (AIP) Interview. Transcription provided by AMS-TRIP. Interviewed by Paul Edwards. 6 sound cassettes (ca. 5 hrs.) : analog, mono + transcript (90 pgs.). AMS 147-152; two versions (one master, one copy) Access restrictions; AIP approval required to examine interview; written permission of Warren Washington required to quote, cite, or reproduce any portion of the material. Forms part of American Meteorological Society Oral History Project. Warren Washington discusses his early education and family background, undergraduate work in math at Oregon State in the 1950s, and reflects on race relations and programs to help minority students. He describes computer technology of the time, and his graduate work on mountain waves. He talks about early work on objective analysis/numerical forecast models with Hans Panofsky at Penn State. He details his work on modeling at NCAR beginning in 1963 and comments on the 1973 Kasahara-Washington model and its antecedents. Washington compares the scientific and management approaches used at NCAR, GFDL and UCLA. He discusses early awareness of carbon dioxide-induced climate change, and reviews development of the datasets and computer technology used for climate modeling. He describes the 1969 meeting of AAAS and his appointment as Chairman of the Youth Council, being appointed as a Senior Scientist at age 35, and reflects on the difficulty of recruiting minority candidates at NCAR, and his focus on mentoring minority young people. He notes his work with Jerry Meehl on Burt Sentner's model, and the development of the CSM, Climate System Model. He describes the process of attempting to acquire a supercomputer, and his appointment as Affiliate Scientist at University of Michigan. He describes his work on thermal effects in the 1970s, and the philosophy of choices made to create models. He talks about changes in scientific publications over time, and details his participation on the President's National Advisory Committee on Oceans and Atmospheres (NACOA). He goes on to describe the IPCC process, and his efforts to educate people in other disciplines about climate modeling. He offers examples of the impact of improved datasets and the value of inter-comparisons in improving modeling. He then reflects on the political approaches to funding climate research in the 1990s, and on his contributions during his tenure as director of the Climate

and Global Dynamics Division of NCAR, his appointment to the National Science Board and other advisory committees.

Controlled Access Headings:

- Computer simulation
 - Climatic changes
 - Minorities in science
-

Machta, Lester, 1993-10-31

Date [inclusive]: 1993-10-31

Digital Object: [Oral History Interview with Lester Machta: 1993-10-31-](#)

Digital Object: [Transcript of Oral History Interview of Lester Machta: 1993-10-31-](#)

Scope and Contents

Oral history interview with Lester Machta, 1993. Interviewed by Julius London. 1 sound cassette (ca. 1 hr., 12 minutes of interview missing from side A) : analog, mono + transcript (16 pgs.). AMS 100; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Lester Machta begins by mentioning several people who helped him early in his career, and describes the Chanute Field Air Force Observing School under Major McNeal. He describes his graduate work at MIT analyzing ageostrophic winds and his work at the Weather Bureau on AFOAT-1 secret radioactivity studies under Wexler. Machta reflects on his participation in nuclear testing and discusses the Geneva nuclear test ban talks in 1962. He describes his and Dave Keeling's work on the global CO₂ budget, then talks about his work at NOAA's Public Health Service Meteorological Unit (now EPA) measuring UVB radiation. He goes on to discuss the development of the Berger-Robertson UVB meter, mentioning his work on the SST, sonic booms, solar radiation and acid precipitation, and his receipt of the Cleveland Abbe award from the American Meteorological Society (AMS).

Mahlman, Jerry D., 11-2005, 11-2006

Date [inclusive]: 11-2005, 11-2006

Digital Object: [Transcript of Oral History Interview of Jerry D. Mahlman: 2005-11-](#)

Scope and Contents

Oral history interview with Jerry D. Mahlman, 2005-2006. Interviewed by Robert Chervin. 5 sound cassettes (ca. 7 hrs.) : analog, mono + transcript (91 pgs.). AMS 196-200; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: youth in Nebraska; parents and family; school academics, sports, and music; early influences; first job; undergraduate years at Chadron State College (now

University); racial issues in the late 1950s, early 1960s, and treatment of minorities; graduate work at Colorado State University under Herbert Riehl, Elmar Reiter; meeting Sydney Chapman, Phil Thompson, and Joe Smagorinsky, and influence of Simpson's 1962 paper on new approaches to mathematical modeling; teaching position at the Naval Postgraduate School, 1967-70; invitation from Smagorinsky to join GFDL to model dynamics and chemistry of the stratosphere; comments about Manabe and Smagorinsky and early years modeling at GFDL; discussion about model problems; , "Sky Hi" stratospheric model; Climate Impacts Assessment Program (CIAP).

Malone, Thomas F., 1988-02-11

Date [inclusive]: 1988-02-11

Digital Object: [Oral History Interview with Thomas F. Malone: 1988-02-11-](#)

Digital Object: [Transcript of Oral History Interview of Thomas F. Malone: 1988-02-11-](#)

Scope and Contents

Oral history interview with Thomas F. Malone, 1988. Interviewed by John S. Perry. 1 sound cassettes (ca. 1 hr.) : analog, mono. AMS 31; two versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Thomas F. Malone recalls his early years on a ranch in South Dakota, his education in the 1930s at the School of Mines in Rapid City, S. D., and graduate work at MIT. He recounts his experiences as an aviation cadet in meteorology during World War II in China and Africa. He discusses his growing interest in international, social and global issues, prompted by his friendship with Jule Charney, and manifested in efforts to encourage effective global cooperation in weather research. The role of John F. Kennedy in this endeavor is detailed, as well as other key events. He discusses his involvement in developing a research program for Traveler's Insurance in 1954-55, which broadened his interest in geophysics. He reviews the activities of GARP, IUGG, JOC. He comments on the work of Oliver Sutton, Horace Byers, Peter Shepherd, Joseph Kaplan of UCLA, John Seabridge, Reginald Sutcliffe and Sir John Mason.

Malone, Thomas F., 1989-02-18

Date [inclusive]: 1989-02-18

Digital Object: [Oral History Interview with Thomas F. Malone: 1989-02-18-](#)

Digital Object: [Transcript of Oral History Interview of Thomas F. Malone: 1989-02-18-](#)

Scope and Contents

Oral history interview with Thomas F. Malone, 1989. Interviewed by Earl Droessler. 2 sound cassettes (ca. 2 hrs.) :

analog, mono. AMS 52-53; two versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: American Meteorological Society and his term as president, the scientific community, international cooperation in the atmospheric sciences, setting up international cooperation, Vin Lally, Global Atmospheric Research Project (GARP) and its preparation, population growth and its effect on the environment, AMS move to Bulfinch House, Patrick McTiger Khan, American Geological Union, and 100th anniversary of Cornell speech.

Women in Science, 1996-07-25

Date [inclusive]: 1996-07-25

Scope and Contents

Women in Science, 1996. 1 sound cassette (ca. 1 hr.) : analog, mono. AMS 1164; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Manabe, Syukuro, 2007-08-23

Date [inclusive]: 2007-08-23

Digital Object: [Oral History Interview with Syukuro Manabe: 2007-08-23-](#)

Digital Object: [Transcript of Oral History Interview of Syukuro Manabe: 2007-08-23-](#)

Scope and Contents

Oral history interview with Syukuro Manabe, 1987. Interviewed by Ronald Stouffer. 3 sound cassettes (ca. 4 hrs.) : analog, mono + transcript (33 pgs.). AMS 229-231; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: background; Joseph Smagorinsky and Global Climate Modeling; GFDL; Radiative, Convective Equilibrium model; radiative transfer; role of the ocean in global warming; global water cycle and water availability.

Jacobs, Clifford A., 2013-04-29

Date [inclusive]: 2013-04-29

Digital Object: [Transcript of Oral History Interview with Clifford A. Jacob: 2013-04-29-](#)

Scope and Contents

Oral history interview with Clifford A. Jacobs, 2013. Interviewed by Richard Anthes. Forms part of American Meteorological Society Oral History Project.

Kuettner, Joachim P. - Symposium, 1994-10-18

Date [inclusive]: 1994-10-18

Digital Object: [The Joachim P. Kuettner Symposium: 1994-10-](#)

Scope and Contents

The Joachim P. Kuettner Symposium, 1994. 6 sound cassettes (ca. 6 hrs.). AMS 114; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Speakers include: Dr. Sitnikov, Dr. Joanne Simpson, Dr. Peter Webster, Dr. Bernard Vonnegut, Dr. Edward Zipser, Mr. Alvaro J. de Orleans-Borbon, Dr. Shulka, Dr. Ruby Krishnamurti, Dr. V. Ramanathan, and Dr. Manfred Reinhardt.

McNeil, Howard G., 2004-11-12

Date [inclusive]: 2004-11-12

Digital Object: [Oral History Interview with Howard McNeil: 2004-11-12-](#)

Digital Object: [Transcript of Oral History Interview of Howard McNeil: 2004-11-12-](#)

Scope and Contents

Oral history interview with Howard McNeil, 2004. Interviewed by Robert Henson. 2 sound cassettes (ca. 2 hrs., tape 2 side B blank) : analog, mono + transcript (33 pgs.). AMS 191-192; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: childhood and early ambitions; family; aviation; time in the military; the atom bomb; education; time in Japan; forecasting in Korea; time with the Hurricane Hunters in Bermuda; Irving P. Krick; Colorado Water Board; weather modification; working as a weatherman in Ft. Worth; and testing aircraft in Colorado.

Mazur, Evelyn, 1999-04-01

Date [inclusive]: 1999-04-01

Digital Object: [Oral History Interview with Evelyn Mazur: 1999-04-01-](#)

Scope and Contents

Oral history interview with Evelyn Mazur. Interviewed by Laura Cochrane. 1 sound cassette (ca. 1 hrs., tape 1 side B blank) : analog, mono. AMS 156; three physical versions (one master, two copies). Forms part of American Meteorological Society Oral History Project.

McTaggart-Cowan, Patrick D., 1983-10-05

Date [inclusive]: 1983-10-05

Digital Object: [Oral History Interview with Patrick D. McTaggart-Cowan: 1983-10-05-](#)

Digital Object: [Transcript of Oral History Interview of Patrick D. McTaggart-Cowan: 1983-10-05-](#)

Scope and Contents

Oral history interview with Patrick D. McTaggart-Cowan, 1983. Interviewed by David W. Phillips. 3 sound cassettes (ca. 4 hrs.) : analog, mono + transcript (29 pgs.). AMS 9-11; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Forms part of History of Canadian Meteorology project. Topics include: brief introductory biography; coming to Canada; Canadian meteorology; World War II and its effect on aviation; forecasting then and now; JAWS agreement; restructuring the meteorological service; AES building at Downsview; foreign aid; and the Chedebecto bay oil spill.

Munk, Walter, 1994-09-28

Date [inclusive]: 1994-09-28

Digital Object: [Transcript of Oral History Interview of Walter Munk: 1994-09-28-](#)

Scope and Contents

Oral history interview with Walter Munk, 1994. Interviewed by Lawrence Armi. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (38 pgs.). AMS 108; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Walter Munk begins by discussing what it was like to grow up in Austria and his reasons for coming to America. He talks about how he started off working as a banker, but did not really enjoy it, and ended up at Caltech. He goes on to talk about meeting Harald Sverdrup and getting a job at Scripps. He explains how he got his Masters and how he ended up in oceanography for his Ph.D. Munk talks about his short stint in the Army, and then his work with Sverdrup on wave prediction at the Pentagon. He discusses spectroscopy, and how it was integrated into the field of physical oceanography. During his work at the Pentagon, Munk had his clearance there revoked for about three months. He talks about how he found out that he had been under government surveillance those three months because of Sverdrup's wife's anti-American comments. Munk also addresses his working and personal relationships with Carl Eckhart and Roger Revelle. He next talks about his work with IGPP and the Fleischmann Foundation.

Munn, Robert E., 1983-09-28

Date [inclusive]: 1983-09-28

Digital Object: [Oral History Interview with Robert E. Munn: 1983-09-28-](#)

Digital Object: [Transcript of Oral History Interview of Robert E. Munn: 1983-09-28-](#)

Scope and Contents

Oral history interview with Robert Edward Munn, 1983. Interviewed by David W. Phillips. 2 sound cassettes (ca. 2 hrs., tape 2 side B blank) : analog, mono + transcript (27 pgs.). AMS 7-8; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.. Forms part of History of Canadian Meteorology Project. Original records stored at the library of the Atmospheric Environment Service, Toronto, Ontario, Canada. Topics include: short biography; interest in meteorology; time as a forecaster; trail studies; work and research in Canada about air pollution; sabbatical in Sweden; Chief scientist of the Air Quality Research Branch; books published; Institute for Environmental Studies at University of Toronto; work with the United Nations; International Association of Meteorology and Atmospheric Physics (IAMAP); Special/Scientific Committee on Problems of the Environment (SCOPE); papers written; and opinions on other scientists.

Newton, Chester W., 1990-06-25

Date [inclusive]: 1990-06-25

Digital Object: [Oral History Interview with Chester Newton: 1990-06-25-](#)

Digital Object: [Transcript of Oral History Interview of Chester Newton: 1990-06-25-](#)

Scope and Contents

Oral history interview with Chester Newton, 1990. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hr.) : analog, mono. AMS-55; three versions (one master, two copies). Forms part of American Meteorological Society Oral History Project. Droessler begins by asking Newton how he developed his interest in meteorology and Newton talks about how he happened upon a job as a weather observer in Phoenix, AZ. Newton discusses his job duties with the Weather Bureau and then there are more introductions followed by a short backtrack where the same information is covered again. From there, Newton comments on the admonishments he received from Francis W. Reichelderfer during his job and then goes on to his enlistment in the Army Air Corps cadet training program and the training he received at the University of Chicago. Newton discusses his career in the Air Corps and his return to the University of Chicago post-war to study meteorology, commenting on his professors during his education. Newton then talks about his job with the Severe Storms Project in Oklahoma City, OK, and is then asked by Droessler to comment on his association with the American Meteorological Association (AMS). Newton discusses his time editing the Monthly Weather Review, the contacts he made through the society, and his AMS presidency from 1978-1980. He continues on to talk about the challenges the society faced during his presidency in regards to ethics and

the National Weather Association, the World Meteorological Association (WMO) 1979 meeting in China, and how Chinese science and weather service compares to U.S.. The interview concludes with Newton talking about his childhood and family life.

Newton, Chester W., 1990-03-13

Date [inclusive]: 1990-03-13

Digital Object: [Oral History Interview with Chester Newton: 1990-03-13-](#)

Digital Object: [Transcript of Oral History Interview of Chester Newton: 1990-03-13-](#)

Scope and Contents

Oral history interview with Chester Newton, 1990. Interviewed by James Fankhauser and Melvyn Shapiro. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (19 pgs.). AMS 54; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: family, childhood, education; entry into meteorology; first job as weather observer, USWB; wartime assignment as aviation cadet to University of Chicago; reflections on Rossby, Platzman, Cressman, Palmen, Biel; development of upper air sounding network; doctoral research on shear lines; Thunderstorm Project; work on frontogenesis, and collaboration with Palmen; work with Petterssen on cyclone development; interest in squall lines and thunderstorms, and assignment as chief scientist for National Severe Storms Project; invitation to join NCAR as director of synoptic meteorology group; comments about the National Hail Research Experiment (NHRE), the Monthly Weather Review, and the American Meteorological Society (AMS); most significant publications; the Palmen Memorial Volume; and reflections on role in atmospheric science.

Papirno, Ralph, 1999-03-13

Date [inclusive]: 1999-03-13

Digital Object: [Oral History Interview with Ralph Papirno: 1999-03-13-](#)

Digital Object: [Transcript of Oral History Interview of Ralph Papirno: 1999-03-13-](#)

Scope and Contents

Oral history interview with Ralph Papirno, 1999. Interviewed by Laura Cochrane. 1 sound cassette (ca. 1 hr., static and audio distortions throughout) : analog, mono + transcript (3 pgs., incomplete). AMS 157; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: World War II and meteorology; Carl Gustav-Rossby and the University of

Chicago; tropical meteorology; observation station on Luzon;
and effect of atmosphere on radar wave propagation.

Controlled Access Headings:

- World War, 1939-1945
-

Phillips, Norman, 1989-10-02

Date [inclusive]: 1989-10-02

Digital Object: [Oral History Interview with Norman Phillips: 1989-10-02-](#)

Digital Object: [Transcript of Oral History Interview of Norman Phillips: 1989-10-02-](#)

Scope and Contents

Oral history interview with Norman A. Phillips, 1989. Interviewed by Anthony Hollingsworth, Warren Washington, Joseph Tribbia, and Akira Kasahara. 4 sound cassettes (ca. 6 hrs.) : analog, mono + transcript (78 pgs.). AMS 39-42; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics covered: family background and education; service as aviation cadet and in a Weather Service squadron in the Azores during World War II; education under Victor Starr, Carl-Gustav Rossby, Erik Palmen, and George Platzman; collaboration on the second ENIAC expedition; as pioneer in numerical weather prediction at the Institute for Advanced Study, and work on the two-layer model; von Neumann's role in the genesis of the Electronic Computer Project; appointment by Rossby to the Institute of Meteorology in Stockholm; collaboration with Jule Charney; plan for a general circulation experiment; consulting work for the Joint Numerical Weather Prediction Unit; discusses his move to MIT, and his tenure as department chair; his graduate students at MIT; editorship of JAS; work with Walter Munk and others; departure from MIT to do research on the nested-grid model at NMC; involvement with FGGE; comments on the NESS data retrieval system; developments in analysis and assimilation; the influence of his work for the National Academy of Sciences; current work on the emergence of quasi-geostrophic theory; and his thoughts on the development of numerical weather prediction.

Controlled Access Headings:

- Numerical weather forecasting
-

Pitts Jr., James N., 2007-08-02

Date [inclusive]: 2007-08-02

Digital Object: [Oral History Interview with James N. Pitts, Jr.: 2007-08-02-](#)

Digital Object: [Transcript of Oral History Interview of James N. Pitts, Jr.: 2007-08-02-](#)

Scope and Contents

Oral history interview with James N. Pitts, Jr., 2007.
Interviewed by Jeffery S. Gaffney. 4 sound cassettes (ca. 4 hrs., tape 4 side B blank) : analog, mono + transcript (81 pgs.). AMS 224-227; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: Youth; how UCI got to be #1 in atmospheric science; chemical warfare during World War II; statewide air pollution center; and micrometeorology.

Controlled Access Headings:

- World War, 1939-1945
-

Platzman, George W., 1990-10-22

Date [inclusive]: 1990-10-22

Digital Object: [Oral History Interview with George W. Platzman: 1990-10-22-](#)

Digital Object: [Transcript of Oral History Interview of George W. Platzman: 1990-10-22-](#)

Scope and Contents

Oral history interview with George W. Platzman, 1990.
Interviewed by Norman Phillips. 4 sound cassettes (ca. 5 hrs, tapes 3 and 4 side B blank) : analog, mono + transcript (59 pgs.). AMS 59-62; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: family background and early education; undergraduate and graduate work; work in quality-control statistics, and as both student and instructor in wartime meteorology classes; work for the Army Corps of Engineers; editorship of the Journal of Meteorology; work on Stokes Waves; ENIAC calculations; involvement with numerical weather prediction; thoughts on teaching; spectral methods; lattice structure of grids; early hydraulics modeling; Great Lakes research; storm surges; atmospheric tides; history of meteorology; formation of NCAR; and reflections on students.

Controlled Access Headings:

- Numerical weather forecasting
 - Meteorology--History
-

Reed, Richard J., 1990-09-25

Date [inclusive]: 1990-09-25

Digital Object: [Oral History Interview with Richard J. Reed: 1990-09-25-](#)

Digital Object: [Transcript of Oral History Interview of Richard J. Reed: 1990-09-25-](#)

Scope and Contents

Oral history interview with Richard J. Reed, 1990.
Interviewed by Earl Droessler. 1 sound cassette (ca. 2 hrs.) :

analog, mono + transcript (26 pgs.). AMS 63; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: how he came to be involved in meteorology; education; time in the Navy; work at MIT; American Meteorological Society; radio casting; industrial meteorology; terms as president-elect, president and past president; changes technology made to meteorology; forecasting; Center for Operational Meteorological Education and Training (COMET); UCAR; Jim Mahoney; blending meteorology with other sciences; China; Harry Geise; weather modification; Ken Spengler; and NCAR.

Riehl, Herbert, 1989-09-09

Date [inclusive]: 1989-09-09

Digital Object: [Oral History Interview with Herbert Riehl: 1989-09-09-](#)

Digital Object: [Transcript of Oral History Interview of Herbert Riehl: 1989-09-09-](#)

Scope and Contents

Oral history interview with Herbert Riehl, 1989. Interviewed by Joanne Simpson. 2 sound cassettes (ca. 3 hrs.) : analog, mono + transcript (37 pgs.). AMS 37-38; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: wartime position as instructor at University of Chicago, and Institute for Tropical Meteorology in Puerto Rico; research on cold-core storms; reflections about Clarence Palmer; postwar return to teaching at Chicago; work on rotating dishpan experiments; as consultant to the Navy on the AROWA Project; research with Joanne Simpson on trade-wind inversion in the tropical Pacific; discovery of hot towers; hurricane research using aircraft; work on initial deepening and development of hurricanes; graduate students at Chicago; teaching meteorology at University of Colorado; changes at Chicago and move to Colorado State University; development of meteorology program at CSU, faculty and research; VIMHEX; reflections on changing university environment; compiling historic ocean temperatures; graduate students at CSU; comments on models versus observations; NCAR's mission; awards and recognition; and reflections about his career.

Ban, Raymond, 2008-10-30

Date [inclusive]: 2008-10-30

Digital Object: [Oral History Interview with Raymond Ban: 2008-10-30-](#)

Digital Object: [Transcript of Oral History Interview of Raymond Ban: 2008-10-30-](#)

Scope and Contents

Oral history interview with Raymond Ban, 2008. Interviewed by Robert Henson. 2 sound cassettes (ca. 2 hrs.): analog, mono + transcript (23 pgs.). AMS 238-239; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Henson begins with asking about Ban's childhood. Ban talks about his childhood in Pittsburgh, PA, how he became interested in weather, and when decided to become a meteorologist at Pennsylvania State University. Henson then asks about Ban's job at Accuweather and Ban discusses how he got the job in 1973 and what he learned during his nine years there. He touches on aspects of small businesses, learning about sales and marketing and deciding on his management style. Henson then shifts to The Weather Channel and Ban talks about the beginnings of the company, being an on-camera meteorologist, and the difficulties getting viewers in the beginning years. Ban talks about John Coleman leaving the company in 1983 and then moves on to his career with The Weather Channel. Henson then asks Ban to discuss the principles of weathercasting and Ban touches on the philosophy of being a 24/7 weather resource and how The Weather Channel's programming continues to evolve. Ban also discusses the meteorologist's qualifications and diversity amongst the casters at The Weather Channel. Ban moves on to talk about how weathercasting has changed, the future of meteorology, the major points of his career and storm stories and long-form programming. He ends by commenting on the lack of synergy that he feels exists within the U.S. weather enterprise, and stresses the need of the industry to get out of its comfort zone and communicate the valuable service the weather community provides.

Controlled Access Headings:

- Television weathercasting

Robinson, George D., 1994-06-27

Date [inclusive]: 1994-06-27

Digital Object: [Oral History Interview with George D. Robinson: 1994-06-27-](#)

Digital Object: [Transcript of Oral History Interview of George D. Robinson: 1994-06-27-](#)

Scope and Contents

Oral history interview with George D. Robinson, 1994. Interviewed by Earl Droessler. 3 sound cassettes (ca. 4 hrs.) : analog, mono + transcript (50 pgs.). AMS 102-104; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. George D. Robinson describes his education in physics at Leeds University, first position as research assistant at Kew Observatory under Sir George Simpson. He discusses his appointment as a meteorological officer in 1940 at Balloon

Command, noting the use of "Free Balloon Barrage" against German aircraft. He reviews his posting to RAF Bomber Group #3 under R.C. Sutcliffe, and subsequent position at the Central Forecasting Office. He describes his duties at SHAEF in 1944 coordinating secret telephone conferences between American and Britain forecasting units, and comments on the difficulties of establishing minimum weather conditions for a successful Allied D-Day invasion of Normandy. He goes on to describe further military meteorological activities in Europe; postwar employment at Kew, working on terrestrial radiation; involvement with the IUGG and the IGY. He discusses his appointment to the WMO's expert panel on artificial earth satellites; the genesis of World Weather Watch and the GARP program; and subsequent position at Traveler's Research Corporation in Connecticut in 1968, working on acid rain and researching trace gases in the stratosphere. He describes his role as organizer and collaborative activities in the 1971 international conference and publication about "Man's Impact on the Climate"; research on the problem of stratospheric pollution by supersonic transport, particularly the effects on ozone; subsequent research on the stratosphere for NASA. Dr. Robinson concludes with comments about the principal forecasters for the D-Day invasion, as well as more personal history.

Controlled Access Headings:

- World War, 1939-1945

Roundtable Discussion about C.G. Rossby and the Chicago School, 1996-1-31

Date [inclusive]: 1996-1-31

Digital Object: [Roundtable discussion about Carl-Gustav Rossby: 1996-01-31-](#)

Scope and Contents

Roundtable discussion about Carl-Gustav Rossby, AMS Annual Meeting, 1996. 1 sound cassette (ca. 1 hr.) : analog, mono. AMS 123; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Participants: W. Kellogg, G. Benton, S. Benton, C. Newton, H. Newton, G. Cartwright, J. Lewis, J. Rossby, M. Shapiro, R. Fleagle. The program from the roundtable is available in Rossby's subject file at the NCAR Archives.

Rowland, Sherwood, 2007-08-01

Date [inclusive]: 2007-08-01

Digital Object: [Oral History Interview with F. Sherwood Rowland: 2007-08-01-](#)

Digital Object: [Transcript of Oral History Interview of F. Sherwood Rowland: 2007-08-01-](#)

Scope and Contents

Oral history interview with F. Sherwood Rowland, 2007. Interviewed by Jeffrey Gaffney. 4 sound cassettes (ca. 4 hrs., tape 1 side B blank) : analog, mono + transcript (35 pgs.). AMS 200-223; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics and people mentioned include: early childhood and family; love of playing sports; Navy service during World War II; education at Ohio Wesleyan; graduate school at the University of Chicago; early career interests in radiochemistry and hot atom chemistry; work at University of Kansas in trillium, tracers, photochemistry, and radio gas chromatography; groundbreaking research in chlorofluorocarbons in the atmosphere; comment on global climate change.

Controlled Access Headings:

- World War, 1939-1945

Rubin, Morton J., 1991-12-14

Date [inclusive]: 1991-12-14

Digital Object: [Oral History Interview with Morton J. Rubin: 1991-12-14-](#)

Digital Object: [Transcript of Oral History Interview of Morton J. Rubin: 1991-12-14-](#)

Scope and Contents

Available through the Roger G. Barry Resource Office for Cryospheric Studies. Oral history interview with Morton Rubin, 1991. Interviewed by Gordon Cartwright. 2 sound cassettes (ca. 2 hrs., tape 2 side B blank) : analog, mono + transcript (28 pgs.). AMS 79-80; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: family and childhood; undergraduate education in the 1930s; entry into meteorology as an observer for the U.S. Weather Bureau in Philadelphia; the meteorology program at Penn State in the early 1940s; his wartime position as meteorologist for Pan American Grace Airways in Peru and Chile; subsequent work at MIT on the Southern Hemisphere Analysis Project; his year spent in Southern Hemisphere research in South Africa; posting to South America to assemble upper air data for the IGY; first assignment on a major multi-national project (International Weather Central) for the IGY in Antarctica; his involvement with the Special Committee on Antarctic Research; comments on his Soviet scientific colleagues in Antarctica and his own research there; assignment in Washington, DC, as head of the Polar Research Group in the Weather Bureau; as chair of the Working Group on Meteorology for SCAR (Scientific Committee on Antarctic Research); as research administrator at NOAA; as convener of polar meteorology commission of IAMAP; work at WMO in support of the Joint Organizing Committee for GARP,

FGGE, POLEX and an Alpine experiment; visiting scholar at South Polar Research Institute, Cambridge, University; paper on the weather conditions for the Cook and Bellingshausen Expeditions; and professional association with the AGU. "A Weather Man for All Seasons " by Harry Rubin, unpublished manuscript, available in the NCAR Archives.

Controlled Access Headings:

- Polar regions--Research
-

Kellogg, William W., 1988-08-18

Date [inclusive]: 1988-08-18

Digital Object: [Oral History Interview with William W. Kellogg: 1988-08-18-](#)

Digital Object: [Transcript of Oral History Interview of William W. Kellogg: 1988-08-18-](#)

Scope and Contents

Oral history interview with William Kellogg, 1988. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (19 pgs.). AMS 49; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: meteorology in the 1970s; bringing together the American Geophysical Union (AGU) and the American Meteorological Society (AMS); human impact on climate and the ozone layer; meteorology as a multidisciplinary science; presidency of the AMS and of the meteorology section of the AGU; surveying the AMS; World Meteorological Organization (WMO) 100th anniversary; visiting China; how he became interested in meteorology; early projects at the Rand corporation; work at NCAR; early life and family.

Ruttenberg, Stanley, 2007-07-23

Date [inclusive]: 2007-07-23

Digital Object: [Oral History Interview with Stanley Ruttenberg: 2007-07-23-](#)

Scope and Contents

Available through the Roger G. Barry Resource Office for Cryospheric Studies. Oral history interview with Stanley Ruttenberg, 2007. Interviewed by Helen Coffey and Diane Rabson. 2 sound cassettes (ca. 2 hrs.) : analog, mono. AMS 218-219; one physical version (one master). Forms part of American Meteorological Society Oral History Project.

Sanders, Frederick, 2004-01-14

Date [inclusive]: 2004-01-14

Digital Object: [Oral History Interview with Frederick Sanders: 2004-01-14-](#)

Digital Object: [Transcript of Oral History Interview of Frederick Sanders: 2004-01-14-](#)

Scope and Contents

Oral history interview with Frederick Sanders, 2004.

Interviewed by Kristine Harper. 1 sound cassette (ca. 1 hr.) : analog, mono + Transcript (25 pgs.). AMS 182; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Topics include: childhood and family; early schooling and influences; undergraduate education; aviation cadet training in meteorology, MIT; wartime service in Greenland; postwar work and graduate school; teaching at MIT; ONR support; OMNET; ensemble forecasting; notable graduate students; and synoptic meteorology.

Controlled Access Headings:

- World War, 1939-1945
-

Schaefer, Vincent J., 1993-05-08

Date [inclusive]: 1993-05-08

Digital Object: [Oral History Interview with Vincent Schaefer: 1993-05-](#)

Digital Object: [Transcript of Oral History Interview of Vincent Schaefer: 1993-05-08-](#)

Scope and Contents

Oral history interview with Vincent Schaefer, 1993.

Interviewed by Earl Droessler. 3 sound cassettes (ca. 3 hrs., tape 3 side B blank) : analog, mono + transcript (44 pgs.). AMS 92-94; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: beginnings in meteorology; research at General Electric Research Laboratory with Irving Langmuir; wartime work on smoke generators for military, and demonstration for Vladimir Zworykin, Vannevar Bush, Alan Waterman; work on supercooled clouds, aircraft de-icing, discovery of homogeneous nucleation; Project Cirrus; Bernard Vonnegut and early research on use of silver iodide in cloud seeding; hail suppression; Carl-Gustav Rossby; jetstream and clouds; youthful interest in science and influences; reflections on career; development of Natural Sciences Summer Institute to inspire young people in science; Munitap Foundation; establishment of the Desert Research Institute; cloud seeding in the intermountain west; study of lake effect snowstorms; Langmuir Laboratory (New Mexico); Atmospheric Sciences Research Center, Albany; Project Shower (Hawaii); research in Australia; family, childhood, education, early work as toolmaker, forester; early years at General Electric, Langmuir and Blodgett; American Meteorological Society, and past presidents; and industrial meteorology.

Controlled Access Headings:

- Weather control
-

Schneider, Stephen H., 2002-01-10

Date [inclusive]: 2002-01-10

Digital Object: [Oral History Interview with Stephen H. Schneider: 2002-01-](#)

Digital Object: [Transcript of Oral History Interview of Stephen H. Schneider: 2002-01-10-](#)

Scope and Contents

Oral history interview with Stephen Schneider, 2002. Interviewed by Robert Chervin. 10 sound cassette (ca. 10 hrs.) : analog, mono + transcript (209 pgs.). AMS 137-146; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics and people mentioned include: early interests in science, engineering, astronomy; years at Columbia University; Study of Man's Impact on Climate (SMIC); arrival at NCAR; Joint Evaluation Committee (JEC); Climate Club; CIAP; William Kellogg; Warren Washington; Philip Thompson; Bob Dickinson; Walter Orr Roberts; Mickey Glantz; move toward earth systems science and a multidisciplinary approach; evolution of computer modeling; Climatic Change journal; First World Climate Conference in Geneva; television appearances; tenure as ASP director; TTAPS; nuclear winter; Curt Covey; Starly Thompson; Carl Sagan; Defense Nuclear Agency (DNA); politics of doing science; Vladimir Alexandroff; Defense Science Board; IPCC; SCOPE ENUWAR; climate change; Stanford University; and the Woody Allen movie shot at NCAR, Sleeper.

Controlled Access Headings:

- Climate and civilization
-

Serafin, Robert J., 2003-04-22

Date [inclusive]: 2003-04-22

Digital Object: [Oral History Interview with Robert J. Serafin: 2003-04-22-](#)

Digital Object: [Transcript of Oral History Interview of Robert J. Serafin: 2003-04-22-](#)

Scope and Contents

Oral history interview with Robert J. Serafin, 2003. Interviewed by Richard E. Carbone. 2 sound cassettes (ca. 2 hrs., tape 2 side b Blank) : analog, mono + transcript (29 pgs.). 3 mini-dv video cassettes (ca. 3 hrs.) : digital, color, sound. AMS 162-163; two physical versions of sound cassettes (one master, one copy); one physical version of videocassettes (one master). Forms part of American Meteorological Society Oral History Project. Topics and people mentioned include: David Atlas; work on signal processing theory; Control Data

Corporation (CDC); radar and signal processors; Illinois State Water Survey; University of Chicago; Illinois Institute of Technology (IIT); Laboratory of Atmospheric Probing; Atmospheric Technology Division (ATD) at NCAR; Field Observing Facility at NCAR; Doppler radar; visualization; Research Data Support System; management philosophy; tenure as NCAR Director; NCAR's relationship with NSF; climate system modeling; proposed expansion of NCAR's Mesa Laboratory; Weather Service Modernization Committee and NEXRAD; AMS presidency.

Controlled Access Headings:

- Radar meteorology

Shapiro, Melvyn A., 2006-08-22

Date [inclusive]: 2006-08-22

Digital Object: [Oral History Interview with Melvyn A. Shapiro: 2006-08-22-](#)

Scope and Contents

Oral history interview with Melvyn Shapiro, 2006.
Interviewed by Joseph Tribbia. 3 sound cassettes (ca. 3 hrs.) : analog, mono. AMS 204-206; one physical version (one master). Forms part of American Meteorological Society Oral History Project.

Simpson, Joanne, 1989-09-06

Date [inclusive]: 1989-09-06

Digital Object: [Oral History Interview with Joanne Simpson: 1989-09-06-](#)

Digital Object: [Transcript of Oral History Interview of Joanne Simpson: 1989-09-06-](#)

Scope and Contents

Oral history interview with Joanne Simpson, 1989.
Interviewed by Margaret LeMone. 2 sound cassettes (ca. 2 hrs.) : analog, mono + transcript (27 pgs.). AMS 35-36; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Joanne Simpson describes her family, the influence of early schooling and education at the University of Chicago, including graduate work in meteorology during World War II. She discusses Herbert Riehl's tropical meteorology class, which cemented her commitment to meteorology. She talks about postwar teaching activities, interest in cumulus clouds; and research at Woods Hole. She comments on some of the difficulties faced by women meteorologists in those years. Dr. Simpson describes her first aircraft field program in Puerto Rico, 1952, an attempt to create a one-dimensional cumulus model. She details the results of a major weather modification project, cloud seeding programs with the Navy and then NOAA, using both modeling and field experiments. She comments

on the demise of weather modification, and changes in research priorities. She clarifies her role as a consultant to the Hurricane Project and Project Stormfury and discusses her interest in hurricane research as it intersected with cloud physics. She comments on the various institutions in which she has worked, on changes in the AMS over forty years, including the role of women in the Society. In addition, she discusses the work and careers of distinguished graduate students she recruited. She examines the balance between modeling and observational work. She concludes by reflecting on her own changing research interests, and the effect of gender on her career.

Controlled Access Headings:

- Weather control
 - Cloud physics
 - Women in science
-

Simpson, Robert, 1989-09-06

Date [inclusive]: 1989-09-06

Digital Object: [Transcript of Oral History Interview of Robert Simpson: 1989-09-06-](#)

Scope and Contents

Oral history interview with Robert Simpson, 1989. Interviewed by Edward Zipser. 3 sound cassettes (ca. 3 hrs., tape 1 side 1 severely degraded) analog, mono + Transcript (45 pgs.). AMS 32-34; two versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: early life and education; early work with the meteorological society; work during World War II and Dr. Reichelderfer; Air Force School of Tropical Meteorology in Panama; hurricane research; PhD at University of Chicago; Severe Storms Laboratory; project STORMFURY and weather modification.

Controlled Access Headings:

- Tropical meteorology
 - Weather control
 - World War, 1939-1945
-

Simpson, Joanne and Robert, 2002-11-27

Date [inclusive]: 2002-11-27

Digital Object: [Oral History Interview with Robert and Joanne Simpson: 2002-11-27-](#)

Digital Object: [Transcript of Oral History Interview of Joanne and Robert Simpson: 2002-11-27-](#)

Scope and Contents

Oral history interview with Robert and Joanne Simpson, 2002. Interviewed by Richard Anthes. 2 sound cassettes (ca. 2 hrs.) : analog, mono. + Transcript (54 pgs.). AMS 235-236;

two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: Robert's 90th birthday and photo album; Robert's education; Joanne's childhood and family; hurricanes; travels and vacations; friends and relations; and lightning.

Controlled Access Headings:

- Hurricanes
-

Solomon, Susan, 1997-09-05

Date [inclusive]: 1997-09-05

Digital Object: [Oral History Interview with Susan Solomon: 1997-09-05-](#)

Digital Object: [Transcript of Oral History Interview of Susan Solomon: 1997-09-05-](#)

Scope and Contents

Oral history interview with Susan Solomon, 1997. Interviewed by Dale Kellogg. 2 sound cassettes (ca. 2 hrs.) : analog, mono + transcript (37 pgs.). AMS 128-129; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Susan Solomon describes the beginning of her early interest in science and family background. She discusses her undergraduate work and graduate work at UC Berkeley in Chemistry. She then describes her meeting with Paul Crutzen and Jack Fishman. and UCAR graduate fellowship work with ozone sonde measurements. She then talks about her thesis work at NCAR and first position at the NOAA Aeronomy Lab in Boulder. She discusses the use of the Residual Eulerian framework for describing stratospheric transport, and the effect of publication of observations of ozone depletion by British scientists. She details theories about the cause of ozone depletion and her work on surface chemistry effects on ozone. She reflects on the idea of chemical intuition.,Solomon describes the 1986 field trip to Antarctica, including her being chosen as group leader, the first measurements of chlorine dioxide, and her contribution regarding making diurnal and nocturnal measurements. She discusses the subsequent data analysis and related political and social issues. She reflects on her election to the National Academy of Sciences and the French Academy, and comments on the contribution of Nobel Prize winners Paul Crutzen, Sherwood Rowland, and Mario Molina. Finally, Solomon describes the role of mentoring in science, and notes the mission of atmospheric chemistry and its relation to public service.

Controlled Access Headings:

- Polar regions--Research
 - Ozone layer depletion
 - Atmospheric chemistry
-

Spar, Jerome, 1990-09-22

Date [inclusive]: 1990-09-22

Digital Object: [Oral History Interview with Jerome Spar: 1990-09-22-](#)

Digital Object: [Transcript of Oral History Interview of Jerome Spar: 1990-09-22-](#)

Scope and Contents

Oral history interview with Jerome Spar, 1990. Interviewed by Julius London. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (14 pgs.). Transcript ends on side A of tape 1. AMS 57; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: interest in meteorology; work in the Air Force during World War II; teaching at NYU; work with weather modification (projects SCUD and Stormfury); thesis work and published papers; diffusion of radioactive debris; teaching at City University; books published; and significant advances in meteorology.

Controlled Access Headings:

- World War, 1939-1945
- Weather control

Suomi, Verner, 1994-05-14

Date [inclusive]: 1994-05-14

Digital Object: [Oral History Interview with Verner Suomi: 1994-05-14-](#)

Digital Object: [Transcript of Oral History Interview of Verner Suomi: 1994-05-14-](#)

Scope and Contents

Oral history interview with Verner Suomi, 1994. Interviewed by Gisella Kutzbach, Bill Smith, Don Johnson, and Dave Johnson. 3 sound cassettes (ca. 3 hrs., tape 2, side A has periods of static, tape 3 side B severely degraded with static) : analog, mono + Transcript (25 pgs., missing transcription of tape 2, cuts off due to static on tape 3 side B). AMS 105-107; one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: family and childhood in Minnesota; influence of brother and teachers; Civilian Conservation Corps; Civilian Pilot Training Program; college; aviation cadet program at University of Chicago; Rossby as teacher; interest in satellites; IGY; early satellite design; TIROS; spin-scan cameras; hurricanes; Fujita; and McIDAS.

Thompson, Philip D. Symposium, 1994-11-30

Date [inclusive]: 1994-11-30

Digital Object: [Philip Duncan Thompson Symposium: 1994-11-30-](#)

Scope and Contents

Philip D. Thompson Symposium, 1994. 4 sound cassettes (ca. 3 hrs., tape 4, side B blank) : analog, mono. 1 VHS video cassette : analog, stereo. AMS 113; three physical versions (two masters, one sound cassette copy). Forms part of American Meteorological Society Oral History Project.

Thompson, Philip D., 1987-12-15

Date [inclusive]: 1987-12-15

Digital Object: [Oral History Interview with Philip Thompson: 1987-12-](#)

Digital Object: [Transcript of Oral History Interview of Philip D. Thompson: 1987-12-15-](#)

Scope and Contents

Oral history interview of Philip Thompson, 1987. Interviewed by Joseph Tribbia and Akira Kasahara. 3 sound cassettes (ca. 3 hrs.) : analog, mono. +transcript. AMS 25-27; 2 versions (1 master, 1 copy). Forms part of American Meteorological Society Oral History Project. Topics include: early life and family; interest in science and education; time in the Air Force; Princeton project in Numerical Weather Prediction; other scientist working in the meteorological field around the 1940s; graduate school research and thesis; time in Stockholm; NCAR and HAO; and turbulence.

Controlled Access Headings:

- Numerical weather forecasting
-

Vern Suomi Tribute at UCAR Board of Trustees meeting, 1995-10-10

Date [inclusive]: 1995-10-10

Digital Object: [Vern Suomi Tribute: 1995-10-10-](#)

Scope and Contents

Vern Suomi Tribute, UCAR Board of Trustees Meeting, 1995. 1 sound cassette (ca. 1 hr.) : analog, mono. AMS 131; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project.

Volkman, Harry, 2004-08-27

Date [inclusive]: 2004-08-27

Digital Object: [Oral History Interview with Harry Volkman: 2004-08-27-](#)

Digital Object: [Transcript of Oral History Interview with Harry Volkman: 2004-08-27-](#)

Scope and Contents

Oral history interview with Harry Volkman, 2004. Interviewed by Robert Henson. 2 sound cassettes (ca. 3 hrs.) : analog, mono + transcript (49 pgs.). AMS 189-190; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: childhood; early influences in interest in weather (1938 hurricane); education and military service; early days in TV weather (including world's first televised tornado warning); and evolution of TV weather.

Controlled Access Headings:

- Television weathercasting
-

Vonnegut, Bernard, 1993-05-09

Date [inclusive]: 1993-05-09

Digital Object: [Oral History Interview with Bernard Vonnegut: 1993-05-09-](#)

Digital Object: [Transcript of Oral History Interview with Bernard Vonnegut: 1993-05-09-](#)

Scope and Contents

Oral history interview with Bernard Vonnegut, 1993. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hrs.) : analog, mono + transcript (16 pgs.). AMS 95; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Vonnegut begins by recounting his education and how he became interested in meteorology through talking with Jim Dodson about airplane deicing. Vonnegut then talks about his work with the General Electric Research Laboratory on Project Cirrus and leaving GE to work on dissipating warm fog at Arthur D. Little. He comments on meeting Charlie Moore and studying thunderstorm electrification, elaborating on Moore's personality and his study on ionosphere radiation. Droessler asks about Vonnegut's time as a professor at the State University of New York at Albany and Vonnegut talks about a student, Pacerelli, who researched crystal size for cloud seeding. He also talks about another student, Bob Ryan, and his successes as a TV weatherman and his current (during the interview) presidency of the American Meteorological Society. Vonnegut continues on to discuss his involvement in the space program observing lightening from astronaut cameras and Anton Simon's electrification research.

Controlled Access Headings:

- Weather control
 - Cloud physics
-

Wallen, C.C., 1995-11-21

Date [inclusive]: 1995-11-21

Digital Object: [Transcript of Oral History Interview with C. C. \(Carl Christian\) Wallén: 1995-11-21-](#)

Scope and Contents

Oral history interview with C.C.(Carl Christian) Wallen, 1995. Interviewed by Gordon Cartwright. 4 sound cassettes (ca. 4 hrs.; tape 2 side A, re-recorded in 1997 to fix static degradation, side B missing portions of the interview, tape 3 side B blank, tape 4 addendum from 1996 recorded to replace degraded portion of tapes 2 and 3) : analog, mono + transcript (44 pgs.). AMS 124-127, 127b(addendum); one physical version (one master). Forms part of American Meteorological Society Oral History Project. Topics include: early life; education and early work; the foundation of the Bergen school; the transition period between the Bergen School and the Chicago School; different types of forecasting; the Chicago School; Carl Rossby; and the transition to climatology.

Controlled Access Headings:

- Meteorology--History
-

Washington, Warren M., 2008-10-22

Date [inclusive]: 2008-10-22

Digital Object: [Transcript of Oral History Interview with Warren M. Washington: 2008-10-22-](#)

Scope and Contents

Oral history interview with Warren Washington, 2008. Interviewed by Rajul Pandaya and Aaron Andersen. 2 DVDs (ca. 2 hrs.) : digital, stereo. Forms part of American Meteorological Society Oral History Project. Topics include: early life; graduate school at Penn State; changing views on race in America; the lack of black role models outside of athletics; climate change policies around the globe; how science can help the public; diversity in scientific fields; BEST foundation; SOARS program; interest in math; religion; and meeting world leaders.

Controlled Access Headings:

- Minorities in science
 - Climate and civilization
-

White, Fred, 1994-01-26

Date [inclusive]: 1994-01-26

Digital Object: [Oral History Interview with Fred White: 1994-01-26-](#)

Digital Object: [Transcript of Oral History Interview with Fred White: 1994-01-26-](#)

Scope and Contents

Oral history interview with Fred White, 1994. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hrs., tape incomplete) : analog, mono + transcript (19 pgs.). AMS 110; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: early history of the National Science Foundation and UCAR/NCAR; selection of Walter O. Roberts as director of NCAR; founding of ICAS; selection of I.M. Pei as architect for the Mesa Lab; and lightning suppression and weather modification research.

Controlled Access Headings:

- Weather control

White, Robert M., 2005-12-01

Date [inclusive]: 2005-12-01

Digital Object: [Transcript of Robert M. White lecture: 2005-12-01-](#)

Scope and Contents

Robert M. White lecture, National Air and Space Museum, Smithsonian Institute, Washington, DC, 2005. 1 compact disc (ca. 1 hr.) : digital, stereo + transcript (13 pgs.). AMS 215; three physical versions (three copies). Forms part of American Meteorological Society Oral History Project. Recorded speech by Robert M. White. Introduction by Jim Fleming. Speech entitled the Making of NOAA, 1963-2005. Discussion of the history of oceanography and meteorology and the founding of NOAA. Topics include: early life and education, head of Weather Bureau, formation of ESSA and NOAA; and years at NCAR and NAE.

Wiin-Nielsen, Aksel C., 1987-06-29

Date [inclusive]: 1987-06-29

Digital Object: [Oral History Interview with Askel C. Wiin-Nielsen: 1987-06-29-](#)

Digital Object: [Transcript of Oral History Interview with Aksel Wiin-Nielsen: 1987-06-29-](#)

Scope and Contents

Oral history interview with Aksel Wiin-Nielsen, 1987. Interviewed by Joseph Tribbia, Warren Washington, and Akira Kasahara. 3 sound cassettes (ca. 4 hrs.) : analog, mono + transcript (62 pgs.). AMS 12-14; two physical versions (one master, one copy). Access restrictions; approval of Warren Washington as designee, required to examine interview, transcript; written permission required to quote, cite, or reproduce any portion of the material. This restriction shall expire on 31 December, 2014. Forms part of American Meteorological Society Oral History Project. He describes

his research in weather forecasting methods at the Royal Swedish Air Weather Service; his work on numerical weather prediction at the Joint Numerical Weather Prediction Unit in the United States; his appointment to NCAR and research in dynamic meteorology; his recollections of NCAR and its staff, 1961-1963; his assignment to create a department of meteorology at the University of Michigan; his involvement with the formation of the European Centre for Medium Range Weather Forecasts; and his responsibilities as Secretary General, World Meteorological Organization and Director, Danish Meteorological Institute. He recounts his interactions and collaborations with Philip D. Thompson and Joseph Smagorinsky.

Smagorinsky, Margaret, 2006-01-02

Date [inclusive]: 2006-01-02

Digital Object: [Oral History Interview with Margaret Smagorinsky: 2006-01-02-](#)

Digital Object: [Transcript of Oral History Interview of Margaret Smagorinsky: 2006-01-02-](#)

Scope and Contents

Oral history interview with Margaret Smagorinsky, 2006. Interviewed by Kristine Harper. 3 sound cassettes (ca. 2 hrs., tape 3 side B blank) : analog, mono + transcript (49 pgs.). AMS 201-203; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Topics include: childhood, family and education; Brooklyn College; early employment; wartime work as statistician for the U.S. Weather Bureau with Glenn Brier, Jerome Namias; graduate work in statistics and meteorology at NYU; marriage to Joe Smagorinsky; work as programmer for the Meteorology Project, Institute for Advanced Study, Princeton; memories of John von Neumann, and other Project staff; motherhood and working in the 1950s; trip to Russia; memories of GFDL staff; work in neuropsychiatric research; and reflections on Joe Smagorinsky.

Controlled Access Headings:

- World War, 1939-1945

Merewether, Arthur F., 1991-07-30

Date [inclusive]: 1991-07-30

Digital Object: [Transcript of Oral History Interview of Arthur Merewether: 1991-07-30-](#)

Scope and Contents

Oral history interview with Arthur Merewether, 1991. Interviewed by Earl Droessler. 1 sound cassette (ca. 1 hr.) : analog, mono + transcript (16 pgs.). AMS 76; two physical versions (one master, one copy). Forms part of American

Meteorological Society - Tape Recorded Interview Project, 1983-2009. After an introduction from Droessler, Merewether begins by addressing Droessler's questions regarding Ken Spengler, discussing how he met Spengler when he was a student. Droessler asks Merewether how he became a meteorologist and Merewether talks about his career in the Army Air Corps, how he was trained as a meteorologist, and how he rose to become the chief of the Weather Service. Merewether talks about flying in extreme cold in Canada and then moves on to his career after the military with American Airlines. Droessler asks about the people Merewether worked with during his career with American Airlines and Merewether talks about how he and other heads of airline weather services improved the speed of weather report transmission and then dictates his recollections of Dr. Francis W. Reichelderfer, Dr. Carl Rossby, Harry Wexler, and Captain Harold T. Orville (Shorty). Droessler asks Merewether to choose who he felt was the most outstanding leader of the Air Weather Service and Merewether talks about Commander Tommy Moorman and Commander Don Yates. Droessler then prompts Merewether to comment on Irving Krick, and from there they move on to discussing the American Meteorological Society and Charles Brooks. Prompted by Droessler, Merewether then talks about aviation in the late 1940s and early 1950s, and how the Air Corps took over flying the mail in 1934 and lost many pilots due to bad weather. Droessler asks about Merewether's presidency of the American Meteorological Society from 1954-1955 and Merewether talks about the first national meeting of weather prediction and his accomplishments. Droessler then comes back to Ken Spengler and they both comment on their recollections of him. Finally, Merewether discusses his childhood, college career, family, and his short stint with the Pittsburgh Pirates.

Spilhaus, Athelstan F., 1991-06-28

Date [inclusive]: 1991-06-28

Digital Object: [Oral History Interview with Athelstan F. Spilhaus: 1991-06-28-](#)

Digital Object: [Transcript of Oral History Interview of Athelstan D. Spilhaus: 1991-06-28-](#)

Scope and Contents

Oral history interview with Athelstan F. Spilhaus, 1991. Interviewed by George P. Cressman. 2 sound cassettes (ca. 2 hrs., tape 1 and 2 side B blank) : analog, mono + transcript (14 pgs.). AMS 71-72; two physical versions (one master, one copy). Forms part of American Meteorological Society Oral History Project. Following an introduction, Cressman asks Spilhaus about his early life and his influences. Spilhaus talks about his mother, his education at the University of Capetown, and how he became interested in meteorology through wanting to work with airplanes. Spilhaus goes on to discuss his work in oceanography and starting a meteorology

department at New York University. He talks about the war program's impact on the department the Zworykin-von Neumann-Spilhaus committee on weather control. Cressman asks about the Atomic Energy Commission and Spilhaus discusses his directorship of the first atom test conducted by the military, along with his other leadership roles within the government. Spilhaus then moves on to atmospheric sciences and discusses atmospheric research and climatology. Cressman asks about the future of the American Meteorological Society and Spilhaus discusses how the AMS focuses on both atmospheric science and the forecasting profession, and that it should not do both. Finally, Spilhaus talks briefly about his mechanical toy hobby and the museum he created.

Controlled Access Headings:

- World War, 1939-1945