

Accession No.: 91-18

**PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES**

Namias, Jerome. 1910-1997

Jerome Namias Papers, 1932-1990

Bulk dates: 1968-1988

Physical Description: 122 mss, 2 oversize, slides

Brief Description: Papers of meteorologist Jerome Namias, including biographical information, travel files, correspondence, subject files, manuscripts, photographs, figures, forecasts and research data.

Arrangement: Folders in many of the series such as TRIPS and CORRESPONDENCE were originally titled with numerical codes such as 312 for TRIPS and 305 for CORRESPONDENCE. While these numbers helped define the boundaries of the TRIPS and CORRESPONDENCE series, Namias grouped unrelated subjects together alphabetically by folder title under the number 306. These numbered folders were rearranged by content into more distinct subject categories such as PROPOSALS, ORGANIZATIONS, and SUBJECT FILES.

Namias also maintained items under more than one filing system. The FIGURES series contains original published figures filed separately from the texts they illustrated (although copies of them accompany the texts in the WRITINGS series). Within this series, each figure is filed chronologically both by article title and by number. Similarly, he filed outlines for his lectures and talks in a subseries under WRITINGS called Lecture Outlines, but also kept a copy of each outline in TRIPS under the names of the individual conferences or workshops. These duplicating practices are maintained in the collection.

Finally, Namias' data files have been rearranged. The General data had been housed in large golden envelopes filed in no particular order and containing two to four folders apiece. The materials were refoldered and alphabetized condensing the many folders under one title. The Data books, large bound books of computer printout paper, were weeded with the assistance of Dr. Daniel Cayan of the Scripps Institution of Oceanography so that only materials unique to Namias' research and analysis or containing hand-traced climatic patterns were preserved. Dan Cayan also assisted with identifying any data which arrived untitled and unfolded.

Boxes numbered 1-96 are letter sized; boxes 97 through 125 are 11.75 x 17.5 inch flat boxes; boxes 125 and 126 are 16.75 x 20.75 inch flat boxes; and box 127 is a 25 x 21 inch flat box. Boxes 128 through 132 contain separated oversized materials. Some series are housed in boxes of several different sizes. This is reflected in the container list when box numbers may jump around considerably for a given series.

The Namias papers are organized into 11 series: BIOGRAPHICAL, CORRESPONDENCE, PROPOSALS, WRITINGS, ORGANIZATIONS, TRIPS, SCRIPPS INSTITUTION OF OCEANOGRAPHY, SUBJECT FILES, FORECASTS, FIGURES, and RESEARCH DATA.

Scope and Content: The Namias papers describe his' professional career from 1932 to 1990 with the bulk of materials falling between 1968 and 1988.

The CORRESPONDENCE and WRITINGS series make up the most comprehensive sections of the collection spanning most of Namias' career. CORRESPONDENCE dates from the 1930s when he worked and studied at

M.I.T. and extends through his leadership of the Extended Forecast Division of the U.S. Weather Bureau from 1941 to 1971, and his subsequent position as Research Meteorologist at the Scripps Institution of Oceanography from 1968 to 1990. The WRITINGS document his published and unpublished work as well as the research scope of an extensive network of fellow meteorologists.

The largest series in this collection is RESEARCH DATA, containing technical materials -graphs, charts, computer-generated printouts and data books reflecting the breadth of phenomena that Namias investigated in Washington and La Jolla: El Nino, drought, persistence, forecasting, and air-sea interaction studies are represented here. While the RESEARCH DATA supports his work at both places, it weighs more heavily toward his work in La Jolla; Weather Bureau research is better documented in WRITINGS.

Although the papers are primarily professional, they do reveal something about Namias' personal feelings. "I try to take the long-range view," he said in a letter to Fred Shuman on April 11, 1971, "whether it be in forecasting, meteorology in general, or for that matter in all human endeavor." One example is the last letter of Namias' best friend Harry Wexler, dated August 9, 1962 and filed among the memorabilia correspondence. In June of 1974, Namias returned and wrote on it of his surprise and grief in learning of his friend's death on August 12, 1962.

Table of Abbreviations

- AAAS
American Academy of Arts and Sciences
- ACOMR
Advisory Committee on Oceanographic Meteorological Research
- ADS
Academy of Science (French)
- AGU
American Geophysical Union
- AMS
American Meteorological Society
- CAL TECH
California Institute of Technology
- CCS
Center for Coastal Studies
- COPIPS
CoPrincipal Investigators Meeting
- DMG
Deutsche Meteorologische Gesellschaft
- DOE
Department of Energy
- ECFC
Experimental Climate Forecast Center
- EPA
Environmental Protection Agency
- FGGE
First GARP Global Experiment
- GARP
Global Atmospheric Research Program
- GFDL
Geophysical Fluid Dynamics Laboratory
- IAMAP
International Association of Meteorology and Atmospheric Physics

- IAPSO
International Association for the Physical Sciences of the Ocean
- IDOE
International Decade of Ocean Exploration
- IHS
Institute for Humanistic Studies
- INQUA
International Quaternary Association
- IUGG
International Union of Geodesy and Geophysics
- MAP
Marine Archaeology Program
- MIT
Massachusetts Institute of Technology
- NACOA
National Advisory Committee on Oceans and Atmosphere
- NASA
National Aeronautics and Space Administration
- NCAR
National Center for Atmospheric Research
- NOAA
National Oceanic and Atmospheric Administration (part of US Dept of Commerce)
- NSF
National Science Foundation
- PACLIM
Pacific Climate Organization
- RMS
Royal Meteorological Society
- SCORE
Scientific Committee on Oceanic Research
- SDSU
San Diego State University
- SIO
Scripps Institution of Oceanography
- SJSU
San Jose State University
- STREX
Storm Transfer and Response Experiments
- TOGA
Tropical Ocean and Global Atmosphere
- USC
University of Southern California
- UNESCO
United Nations Educational Scientific and Cultural Organization
- UCAR
University Corporation for Atmospheric Research
- USGS
United States Geological Survey
- UGGI
Union Geodesique et Geophysique Internationale
- WMO
World Meteorological Organization

Series Description

BIOGRAPHY, 1949-1986

Biographical data contains SIO biographical forms and updates, and biographical sketches used in reference books. Under Commendations and Awards, many of the general commendations come from a variety of people--members of the public, editors and writers thanking him for information, notices of acceptance to professional organizations and certificates of merit. This subseries also contains materials from his 75th birthday symposium held at SIO in 1985, and the Festschrift they comprised. These materials include photographs and negatives of family and friends and his early years with the Weather Bureau. The Photographs and Photographs and Negatives contain additional early pictures, and the series ends with Position Offers from 1961 to 1963 and Security data --primarily government applications required between 1949 and 1967.

CORRESPONDENCE, 1934-1989

This series contains files that Namias called Memorabilia and Personalia containing much of his early correspondence with many of meteorology's most prominent scientists, including Carl Rossby and Hurd Willet of MIT, Harry Wexler and F. W. Reichelderfer of the U.S. Weather Bureau and Charles Brooks of Woods Hole Observatory. These folders also contain the collection's only documentation of the late '30s and early '40s when Namias was just beginning his work with the Weather Bureau. The memorabilia and personalia date from 1932 through 1971. General Correspondence dates from 1951 to 1989 and was generated from his work with the U.S. Weather Bureau until 1971 and then SIO until 1989. Namias corresponded from his home as well as his office between 1987 and 1989. These home files are noted in the container list. General Correspondence contains primarily professional materials--letters to and from colleagues regarding issues in meteorology, and to and from members of the public concerned about weather changes and forecasts. He received many requests for reprints, schedules, forecasts and agendas for upcoming meetings and events. Correspondents include Rossby, Willet, Tor Bergeron, and Philip Clapp of the U.S. Weather Bureau. Second copy correspondence contains mostly duplicates although a small percentage of items here are not within the general files.

PROPOSALS, 1978-1989

This series is arranged by the various agencies that Namias and his Climate Research Group approached for funding. The largest subseries are devoted to the National Oceanic and Atmospheric Administration which supported establishment and research efforts of the nation's first Experimental Climate Forecast Center at SIO in 1985, the National Science Foundation which funded a study of large-scale air-sea interactions over the northern hemisphere from 1983 to 1989, and the State of California Department of Water Resources who supported studies of precipitation forecasting from 1982 through 1989. All the agencies are ordered alphabetically.

WRITINGS, 1934-1989

This series is divided into Articles and Papers, Lecture outlines, Reprints, and Writings of others. The bulk of the Articles and Papers date from 1967 to 1989 (with one very early paper called "The effects of humidity on human hair," 1934). These are arranged chronologically by publication date when known and by Namias' creation date when the paper is either unpublished or not listed in his bibliography. The folders contain drafts of articles along with related correspondence. The Lecture outlines date from 1943 to 1987 and represent presentations of every kind delivered at conferences, meetings, and visits to other labs and universities. These are arranged by year. Namias' Reprints date from 1934 to 1989. The Writings of others consists of drafts, typescripts, and accompanying correspondence ordered alphabetically by author. WRITINGS ends with Reports and Theses and Dissertations.

ORGANIZATIONS, 1951-1988

This series contains records of Namias' participation in such interdisciplinary groups as the American Academy of Arts and Sciences, the National Academy of Science and the National Science Foundation as well as more specialized organizations such as the American Meteorological Society and the National Meteorological Center (NMC). The NMC Official Papers house a 1949 letter from Harry Wexler reporting Rossby's, Willet's, and Reichelderfer's recommendations for improving the Extended Forecast Division, as well as Namias's 1971 arguments with the center's head, Fred Shuman against reorganizing the division after Namias's retirement. This series also includes Namias' editorial materials with *Atmosfera*, *Journal of Applied Meteorology*, and PACLIM, an editorial board overseeing monograph publications for the United States Geological Survey.

TRIPS (CONFERENCES, WORKSHOPS, AND SYMPOSIA), 1954-1987

These files contain invitations, brochures, and correspondence relating to workshops, meetings, and symposia Namias was invited to. The earliest files, from 1954 to 1967, are condensed into yearly files. From 1968 on, the folders are labeled by individual conferences and workshops although many of these have been condensed into single folders.

SCRIPPS INSTITUTION OF OCEANOGRAPHY (SIO), 1971-1989

These files hold materials on Meetings, Memos, and People, including visiting scientists, students, and staff searches. Namias' Reappointment files are here along with Site Visits, records of visits to SIO from members of other labs, and Travel files including trip summaries and travel vouchers.

SUBJECT FILES, 1938-1988

This series contains Namias' Calendars and engagement books, Contract files, and a Crank file of letters from the public asserting that world climate changes were due to human sin and space exploration, among other things. It contains European Travel Reports, notes he kept of trips he made in 1949 and 1955. Great Britain -correspondence contains letters between the U.S. Weather Bureau and correspondents in Great Britain regarding controversial long-range forecasts the bureau made pertaining to the British isles. Invitations summon Namias to various award and celebratory functions, and MIT lab notes are Namias' teaching materials from 1939 to 1941. The Media subseries contains newsclippings about Namias, general weather issues, and El Nino. Also here is a file of correspondence regarding a BBC weather program for which Namias was consulted and filmed, along with a list of media contacts and their affiliates. Some of Namias' favorite passages about science and research are in Quotations, and Tiros Photographs holds satellite photos of hurricanes and other phenomena. The Tyler Prize Award Committee records Namias's nomination of Joseph Smagorinsky for this award.

FORECASTS, 1974-1986

The FORECASTS series contains the data, charts, graphs, and maps that Namias used to predict the weather in his research at Scripps. The folders are ordered chronologically and divided by seasons. The Climate Research Group's contract with NOAA allowed the public release of only the winter forecast, and these releases are filed in the Press Release subseries. They date from Winter 1980-81 through Winter 1984-1985.

FIGURES, 1947-1990

This series contains all the figures that Namias used in his publications and presentations. Most of them are camera-ready glossies. Namias filed figures in 2 ways, by Article title and by Number. Each figure is numbered for the year and order in which it was made. So 81004 is the fourth figure made in 1981. These numbered figures span from 1976 to 1990. Both the titled and numbered figures are arranged chronologically.

DATA, 1945-1988

This series contains three subseries: General Research Data, Charts, and Data Books. The first contains maps, computer printouts, figures, and charts comprising mostly backup materials for papers on such topics as El Nino, persistence, lag, and drought. Namias dated very few of these files, and the processor approximated either the dates that Namias did his study or, when those weren't apparent, the span dates that the materials plot. These span dates are parenthesized. The Charts include rare sea level and 700 millibar charts dating from 1932 to 1965 from the United States Weather Bureau. The Data Books are large previously bound books of computer paper plotting and approximating a wide scope of meteorological patterns. Namias' research with SIO is well documented including the numerous charts and maps that lined his office walls.

Jerome Namias Papers, 1932-1990
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BIOGRAPHICAL FILES

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Commendations and awards

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Certificates, 1955-1978

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Durfee Alumni award, May 24, 1968

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General, 1961-1985

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Honorary degrees Clark University 1984, University of Rhode Island, 1972

Namias birthday symposium, October 22, 1985

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Battelle Memorial Institute Regional forecasting study, 1987

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Institute of Marine Resources Study of extreme coastal sea level along Southern and Central California, 1986

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National Oceanic and Atmospheric Administration (NOAA) 5-year climate plan, 1978

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National Science Foundation (NSF) Large-scale air-sea interaction over the northern hemisphere, 1983-1989 5 folders

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Office of Naval Research (ONR) Development to predict principle storm tracks a season ahead, 1983

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San Diego Supercomputer Center (SDSC) Climate Dynamics studies using the UCLA atmospheric general circulation model, 1986

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Scripps Industrial Associates (SIA) Environmental monitoring system for Scripps Pier, 1984

State of California Dept of Water Resources - California precipitation forecast research, 1982-1989 . (5 folders)

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United States Geological Survey (USGS) Large scale ocean atmospheric variability associated with hydrological extremes in western North America, 1986-1987

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Miscellaneous (no specified funding source) Proposal to investigate the reduced 1984 wind regime in the San Gorgonio Pass region of Southern California, 1985

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Egyptian proposal - U.S. River Nile Study, 1985

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Forecasting snow removal costs, 1985

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Proposal to develop UCLA climate diagnostics center, 1985

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Bibliography

Article manuscripts and drafts

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1936? Some observations on the behavior of the human hair under varying humidity

[Folder 11]

1965 Macroscopic association between mean monthly sea-surface temperature and the overlying winds

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1965 On the nature and cause of climatic fluctuations lasting from a month to a few years

[Folder 13]

1965 Stability of an expanded vortex system

[Folder 14]

1966 Book review for Bulletin of the American Meteorological Association

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1966 A weekly periodicity in eastern U.S. precipitation and its relation to hemispheric circulation

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[Folder 1]

1967 Anomalous seasonal precipitation and circulation patterns

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1969 Autumnal variations in the North Pacific and North Atlantic anticyclones as manifestations of air-sea interaction

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1969 Factors associated with the persistence and termination of the recent northeast drought

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1969 A late November singularity

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1972 Experiments in objectively predicting some atmospheric and oceanic variables for the winter of 1971-1972

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1972 Geophysical surveys article not completed

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1972 Influence of northern hemisphere general circulation on drought in northeast Brazil

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1972 Large-scale and long-term fluctuations in some atmospheric and oceanic variables

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1972 Review of "Man's impact on the climate"

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1972 Sea level at Southern California: a decadal fluctuation

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1972 Space scales of sea surface temperature patterns and their causes

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1973 Birth of Hurricane Agnes triggered by the transequatorial movement of a mesoscale system into a favorable large-scale environment

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1973 Hurricane Agnes an event shaped by large-scale air-sea systems generated during antecedent months

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1973 Long range forecasting of droughts and floods

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1973 Thermal communication between the sea surface and the lower troposphere

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1974 Suggestions for research leading to long-range precipitation forecasting for the tropics, January

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1974 Further studies of temporal coherence in North Pacific sea surface temperatures," February

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1974 Longevity of a coupled air-sea- continent system, September

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1975 The contributions of J. Bjerknes to air- sea interaction historical note, unpublished

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1975 Medium- and long-range weather forecasting unpublished?

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1975 Stabilization of atmospheric circulation patterns by sea surface temperatures

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1976 Atmospheric climatology and its effect on sea surface temperature 1974

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1976 Large-scale and long-term air sea interactions, McGraw-Hill Yearbook of Science and Technology

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1976 Negative ocean-air feedback systems over the North Pacific in the transition from warm to cold systems

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1976 North American influences on the circulation and climate of the North Atlantic sector

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1976 Seasonal forecasting experiments using North Pacific air-sea interactions

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1976 Some statistical and synoptic characteristics associated with El Nino

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1977 Air-ocean interface

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1977 Forecasting climatic fluctuations: the winter of 1976-77

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1977 New data on climatic trends

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1978 How the Pacific shapes your weather

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1978 Long-range weather and climate predictions

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1978 Multiple causes of the North American abnormal winter 1976-77 . (2 folders)

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1978 Persistence of United States seasonal temperatures up to one year

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1978 Recent drought in California and Western Europe

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1978 Weather forecasting and prediction, drought article

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1979 Atmospheric climatology and its effect on sea-surface temperature--1975

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1979 Atmospheric climatology and its effect on sea surface temperature--1976

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1979 Atmospheric climatology and its effect on sea surface temperature-- winter 1977 to winter 1978

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1979 CalCOFI Atlas 27 Northern hemisphere seasonal 700mb height and anomaly charts 1947-1978. ..

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1979 Premonitory signs of the 1978 break in the West Coast drought

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1979 Verification of winter 1978-79 prediction for the contiguous United States

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1980 The art and science of long-range forecasting

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1980 Atmospheric climatology and its effect on sea surface temperature, winter 1978-winter 1979

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1980 Causes of some extreme northern hemisphere climatic anomalies from summer 1978 through the subsequent winter . (2 folders)

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1980 Paper delivered at Erice conference

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1980 Recent climate trends

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1980 Severe drought and recent history . (2 folders)

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1980 Snow covers in climate and long range forecasting

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1980 Some concomitant regional anomalies associated with hemispherically averaged temperature variations . (2 folders)

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1981 Case studies of exceptional climate in the United States 1975-1979 and air-sea interactions

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1981 The early influence of the Bergen School on synoptic meteorology in the United States

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1981 Large-scale air-sea interactions and short period climatic fluctuations . (2 folders)

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1981 Predicting prevailing weather from a season to several years ahead a synoptician's view

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1981 State of the art of predicting short period climatic variations

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1981 The weather from sea to sky

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1982 Anatomy of Great Plains protracted heat waves

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1982 Large-scale changes in North Pacific and North American weather patterns in recent decades

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1982 Meteorologic and oceanographic conditions for the enhancement or suppression of winter rains over California

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1982 The New Scripps atlas of 700 mb height teleconnections some novel findings

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1982 Sea-surface temperature teleconnections in the North Pacific and related coastal phenomena

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1983 Advance signs of strong subtropical westerlies associated with the strong 1983 El Nino (not submitted)

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1983 Advanced signs of the subtropical westerlies associated with El Nino

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1983 Anomalous climatic conditions leading to flood-producing rains in the San Francisco Bay area

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1983 Associations between anomalies of temperature and precipitation in the United States and 700 mb western hemisphere height profiles

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1983 Case studies of long-period air-sea interactions relating to long-range forecasting

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1983 The history of polar front and air mass concepts in the United States an eyewitness account

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1983 Some causes of United States drought . (3 folders)

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1984 Tropical drought forecasting -- suggestions for research

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1985 Extra tropical connections

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1985 New evidence for relationships between North Pacific atmospheric circulation and El Nino

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1985 Some empirical evidence for the influence of snow cover on temperature and precipitation

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1986 Persistence of flow patterns over North America and adjacent ocean sectors

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1987 Factors relating to the explosive North Atlantic cyclone of December 1986

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1987 Low frequency variations in North Pacific sea surface temperature persistence

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1987 Pronounced break in U.S. weather and circulation patterns from April to May, 1987 and premonitory signs

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1988 Abrupt change in climate regime from summer to fall 1985 and stability in the fall

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1988 Basis for the forecast for summer 1987 following a non-persistent spring

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1988 Persistence of North Pacific sea surface temperature and atmospheric flow patterns

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1989-1988 spring and summer drought over the contiguous United States causes and predictions . (2 folders)

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1989-1988 summer drought over the Great Plains - some causes and predictions

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1989 Anomalous climatological background of the storm of 15-16 October 1987

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1989 Basis for prediction of the sharp reversal of climate from autumn to winter 1988-89

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1989 Extratropical initiation of the 1988 North American drought

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1989 Where are we going in the study of short-period climatic fluctuations

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1990 Paper on Francis W. Reichelderfer - biographical memoirs

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Charney, J. G., 1964

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Chelton, Dudley B., 1982

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Eber, L. E., n.d.

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**Air Force Cambridge Research Center, Geophysical Research Directorate (GRD)
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Correspondence, 1961-1980

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**Committee on Paleoclimatology and Climatic Changes meeting, November 1972 .
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Atmosphera Editorial Board, 1987-1988

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Journal of Applied Meteorology - associate editor - correspondence, 1967

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National Meteorological Center (NMC) Official papers, 1949-1971

National Science Foundation (NSF)

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National Science Board (NSB) report, 1970

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Proposal review ratings for NSF and Science (AAAS), 1974-1988 . (2 folders)

[Folder 7]

Dr. Edith Brown Weiss/Princeton Namias an investigator for NSF (Marine sciences), 1977-1980

[Folder 8]

North Pacific Experiment NORPAX Highlights (newsletter), 1973-1976

United Nations Educational Scientific and Cultural Organization (UNESCO)

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Report Hydrological aspects of drought, 1978-1981

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Scientific Committee on Oceanic Research (SCOR) - El Nino working Group, 1976-1978 . (3 folders)

Integrated Global Ocean Station System (IGOSS) and IRES papers, 1971-1972 . (5 folders)

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National Water Summary contributor guidelines, 1987

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Pacific Climate (PACLIM) Editorial Board USGS, 1987-1988 . (4 folders)

University Corporation for Atmospheric Research (UCAR)

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Newsletter, 1971

Annual members' meeting, October, 1985 . (2 folders)

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United States Weather Bureau (USWB) 1990 Roundup articles submitted by retirees, 1991

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Woods Hole Oceanographic Institution - Correspondence, 1954-1972

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Committee on Aerology Report, 1961

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November-December, Climate Diagnostics; American Court and Commercial Newspapers; SCOR

1979

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1980

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1981

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Search committee and recommendations (for climatologist), 1976-1987

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Freeman, John C. - consultant (plus report), 1980

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Nigam, Sumant - Ph.D. candidate, 1983

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Ryan, Scott - intern, 1986

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Estudios de las Masas de Aire Norte Americanas..., Mexico, 1941 bound

European travel reports

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Great Britain forecasts correspondence, memos, news items, 1963

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Massachusetts Institute of Technology (M.I.T.) Lab notes, 1939-1941 . (6 folders)

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