Overview of the Collection
Title: Milton La Salle Humason Papers
Dates (inclusive): 1930-1952
Collection Number: mssHumason papers
Extent: Approximately 2,100 items in 5 boxes.
Repository: The Huntington Library, Art Collections, and Botanical Gardens. Manuscripts Department
1151 Oxford Road
San Marino, California 91108
Phone: (626) 405-2129
Email: reference@huntington.org
URL: http://www.huntington.org
Abstract: This collection consists primarily of the correspondence, dated 1948 to 1952, of Milton La Salle Humason (1891-1972), a staff astronomer for the Mount Wilson [& Palomar] Observatories, known chiefly for his collaboration with Edwin P. Hubble in the field of observational cosmology. There are occasional personal and scientific letters but these are few compared to the correspondence with the public, received and answered by Humason in his capacity as Secretary of the Observatory.
Language: English.
Access
Open to qualified researchers by prior application through the Reader Services Department. For more information, contact Reader Services.
Publication Rights
The Huntington Library does not require that researchers request permission to quote from or publish images of this material, nor does it charge fees for such activities. The responsibility for identifying the copyright holder, if there is one, and obtaining necessary permissions rests with the researcher.
There is no evidence that Humason passed on his literary rights to anyone. The Carnegie Observatories, as part of the 1987 letter of agreement, have given the Huntington Library the right to provide permission to publish from the papers.
Preferred Citation
[Identification of item]. Milton La Salle Humason Papers, The Huntington Library, San Marino, California.
Provenance
Approximately fifty additional separate collections form the Mount Wilson Papers of the Observatories of the Carnegie Institution of Washington and are available for research in the Huntington Library.
Processing/Project Information
Cataloging of the papers was completed in 1989 prior to their transfer to the Huntington.
Biographical Note
Milton La Salle (his middle name has also been cited as Lasell) Humason was a staff astronomer for the Mount Wilson [& Palomar] Observatories throughout his entire astronomical career. Humason is remembered chiefly for his collaboration with Edwin P. Hubble in the field of observational cosmology. Perhaps his most notable accomplishment, however, was his rise from mule-driver and janitor at Mt. Wilson to the position of astronomer with the lack of a high-school education.
Humason was born on August 19, 1891, in Dodge Center, Minnesota. His family moved to California, and in the summer of 1905 he was taken to a summer camp on Mt. Wilson. At this time, the Mt. Wilson Observatory was not yet a year old, and there was a good deal of activity by the solar astronomers on the mountain top. Humason involved himself in this activity by quickly dropping out of high school in the fall of 1905 and within a few years becoming a mule driver. He would lead mule-powered wagons up the Mt. Wilson Toll Road carrying timber, iron, and other supplies for the construction of the telescopes and support buildings at the Observatory. It was as a mule driver that Humason met Helen Dowd, daughter of the Observatory's engineer, Merritt C. "Jerry" Dowd, in 1910. They married one year later.
In 1910, Humason left mountain work and got a job as a foreman on a relative's ranch in La Verne, California. In 1917, however, Jerry Dowd told Humason that a janitor's job would be opening soon at Mt. Wilson Observatory. Knowing that the janitor's position at the Observatory could eventually involve duties such as relief night assistant on the telescopes, Humason took the offer. With the new 100-inch Hooker Telescope going into operation at the Observatory in 1919 and the...
need for more night assistants, Humason soon got to work with the telescopes. At about the same time, Hugo Benioff, a volunteer assistant at Mt. Wilson from Pomona College, showed Humason how to take photographic plates with the 10-inch astrographic camera on the mountain. Humason became so adept at this that Benioff soon recommended that Humason carry on the former’s work in the fall. As Humason gained experience he also started taking plates for Harlow Shapley’s observing program. And Humason used the 10-inch to look for W. H. Pickering’s proposed Planet X in 1919. When Pluto was discovered in 1930, Seth Nicholson and Nicholas Mayall examined Humason’s early plates and found that Pluto had been recorded on the photographs. Unfortunately for Humason, Pluto was so near the edge of the plates, and the images there were of such bad quality, that it is not surprising that Pluto was not discovered then. Humason’s abilities with the telescopes on Mt. Wilson were so admired that by 1920 he was promoted from janitor to the staff of the Observatory’s Stellar and Nebular Division. Humason continued his work with the 10-inch, observing clusters like M22 and also watching the Andromeda Nebula (M31) for novae. As Edwin Hubble’s work on the spiral nebulae showed them to be distant galaxies, he initiated in the late 1920s a program of systematic observation of nebular redshifts. Obtaining usable spectra of the extragalactic nebulae, with their low surface brightness, would require the utmost expertise in observing skill. For this reason, it is not surprising that Humason was chosen to be Hubble’s colleague. Humason developed and refined the techniques required to take exposures of up to forty hours (over several nights) with the 100-inch telescope. From the beginning of the redshift program until his retirement in 1957, Humason photographed spectra of approximately 600 galaxies. He used the 100-inch telescope to obtain these until the 200-inch Hale Telescope became available in 1949. During this time, Humason also applied his observing skill to projects on supernovae, old novae, and faint blue stars.

On October 1, 1948, Humason was appointed Secretary of the Observatory upon Alfred H. Joy’s retirement. The duties of the Secretary involved handling the Observatory’s public relations. This meant reading and often answering the various letters from the general public. The letters ranged from questions from high school students to requests for photographs to oddball theories of the universe. A colleague of Humason’s, Robert S. Richardson, described the job: “It was not an easy job by any means. One of his most onerous duties was answering the numerous phone calls and crank letters that came into the observatory. You have no idea of the number of people who seem to have nothing better to do than worry about whether the moon is in its orbit, or in denouncing such impostors as Newton and Einstein, and their wholly erroneous theories of gravitation (in contrast to their own entirely new rational theory). If you answer a letter of this kind, trying to explain the fallacy in their reasoning, you immediately get another one back demanding more information. Humason’s policy was to answer every such letter once, but a second time—no. If you conscientiously answered them all, you would soon find that instead of working for the observatory in Pasadena, California, you were spending most of your time working for some victim of delusional insanity in Pasadena, Newfoundland.” Humason remained as Secretary until his retirement in 1957.

Humason never earned a degree until, in 1950, an honorary doctorate was conferred on him by the University of Lund in Sweden. He retired on July 1, 1957, and soon moved to Mendocino, California. While in retirement he was occasionally consulted by the astronomers at the Observatory on questions dealing with the telescopes, especially the 100-inch. He died at his home on June 18, 1972.

Scope and Content Note
This collection consists primarily of the correspondence of Milton La Salle Humason, a staff astronomer for the Mount Wilson (Palomar) Observatories. There are occasional personal and scientific letters but these are very few compared to the letters from the public. The correspondence covers the years 1930-1952 (bulk 1948-1952). It contains both incoming and carbons of outgoing correspondence. The collections also includes a few press releases, newsletters, one manuscript in German, some ephemera, several black-and-white photographs and two black-and-white slides.


Arrangement
The Humason papers have been arranged, with only minor changes, according to the manner in which they had been found in the attic of the Carnegie Observatories. They are broken into six chronological groups, arranged in the boxes as follows:
- Box 1: 1930-1947, 1948
- Box 2: 1949
- Box 3: 1950
• Box 4: 1951
• Box 5: 1952

Within each chronological group, the correspondence is arranged in alphabetical order by correspondent.

**Indexing Terms**
The following terms have been used to index the description of this collection in the Huntington Library’s Online Catalog.

**Subjects**
Hubble, Edwin, 1889-1953.
Jones, H. Spencer (Harold Spencer), 1890-1960.
Mount Wilson and Palomar Observatories -- History -- Sources.
Mount Wilson Observatory -- History -- Sources.
Astronomers -- Correspondence.
Astronomical observatories -- California -- Wilson, Mount (Mountain)
Astronomy -- 20th century.

**Forms/Genres**
Black-and-white photographs -- 20th century.
Black-and-white slides -- United States -- 20th century.
Ephemera -- United States -- 20th century.
Letters (correspondence) -- United States -- 20th century.
Manuscripts -- Germany -- 20th century.
Newsletters -- United States -- 20th century.
Press releases -- United States -- 20th century.

**Additional Authors**
Aitken, Robert Grant, 1864-1951.
Aldrich, Loyal Blaine, 1884-1965.
Fassett, F. G. (Frederick Gardiner), 1901-
Gamow, George, 1904-1968.
Payne-Gaposchkin, Cecilia, 1900-1979.
Green, Warren K. (Warren Kimball), 1891-
Hogg, John C.
Hubble, Edwin, 1889-1953.
Kreiken, Egbert A.
Lee, Oliver Justin, 1881-1964.
Page, Thornton.
Sinclair, Upton, 1878-1968.
Skilling, William T. (William Thompson), 1866-
Vanderlinden, H. L. (Henri Louis), 1892-
Wald, Edwin.
Watson, Fletcher G. (Fletcher Guard)
Weiss, Frederick U.
Astronomy charted.
Boston Museum of Science.
California Institute of Technology.
Carnegie Institution of Washington.
Drake University.
Grolier Society.
Harvard College Observatory.
Jet Propulsion Laboratory (U.S.)
Los Angeles Astronomical Society.
Popular astronomy.
Popular Mechanics Press.
Science illustrated.
Scientific American, inc.

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<th>Box 1</th>
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Physical Description: (9 items)
Scope and Content Note
[Duncan E. Macdonald (4); Donald Howard Menzel (2); Joseph Haines Moore (3)]

Folder 8  P -- miscellaneous (1930-1947)
Physical Description: (21 items)
Scope and Content Note
[Cecilia Helena Payne-Gaposchkin (2); William Henry Pickering (3); Daniel M. Popper (2); Popular Astronomy (Curvin Henry Gingrich) (14)]

Folder 9  R -- miscellaneous (1930-1947)
Physical Description: (5 items)
Scope and Content Note
[Luis Rodés, S.J. (2); Paul E. Ruch (3)]

Folder 10  S -- miscellaneous (1930-1947)
Physical Description: (9 items)
Scope and Content Note
[Carl Keenan Seyfert (2); W. T. Skilling (5); W. H. Steavenson (2)]

Folder 11  V -- miscellaneous (1930-1947)
Physical Description: (10 items)
Scope and Content Note
[H. L. Vanderlinden (5); Alexander N. Vyssotsky (5)]

Folder 12  W -- miscellaneous (1930-1947)
Physical Description: (2 items)
Scope and Content Note
[A. A. Wachmann (1); Harold F. Weaver (1)]

Folder 13  ASTRONOMY CHARTED (1948)
Physical Description: (71 items)
Scope and Content Note
[Ralph A. Wright]

Folder 14  A -- miscellaneous (1948)
Physical Description: (2 items)
Scope and Content Note
[The Air University Libraries (Maxwell Air Force Base) (2)]

Folder 15  B -- miscellaneous (1948)
Physical Description: (10 items)
Scope and Content Note
[Bancroft Library, University of California (1); Boston Museum of Science (Bradford Washburn) (5); Harry Bostwick (2); J. E. Bradley (2)]

Folder 16  CALIFORNIA INSTITUTE OF TECHNOLOGY -- OFFICE OF PUBLIC RELATIONS (11)
Physical Description: items
Scope and Content Note
[George Hall; incl. various news releases]
Folder 17  
**C -- miscellaneous (1948)**  
Physical Description: (3 items)  
Scope and Content Note  
[California Institute of Technology (Lee Alvin DuBridge) (1); Coronet Magazine (Edmund H. Burke) (2)]

Folder 18  
**DRAKE UNIVERSITY MUNICIPAL OBSERVATORY (1948)**  
Physical Description: (7 items)  
Scope and Content Note  
[Philip S. Riggs]

Folder 19  
**D -- miscellaneous (1948)**  
Physical Description: (9 items)  
Scope and Content Note  
[Mrs. R. M. Devin (3); Vernon Dockery (2); Don Lee Broadcasting System (2); Droemersche Verlagsanstalt (2)]

Folder 20  
**E -- miscellaneous (1948)**  
Physical Description: (6 items)  
Scope and Content Note  
[Editorial Labor, S. A. (4); Evans Signal Laboratory, U.S. Signal Corps (2)]

Folder 21  
**F -- miscellaneous (1948)**  
Physical Description: (13 items)  
Scope and Content Note  
[W. Filewicz (5); Joseph Fillias (3); Holland Foster (2); C. E. Fritze (3)]

Folder 22  
**INSTITUTO GALLACH DE LIBRERIA Y EDICIONES, S. L. (1948)**  
Physical Description: (8 items)

Folder 23  
**THE GROLIER SOCIETY, INC. (1948)**  
Physical Description: (10 items)

Folder 24  
**G -- miscellaneous (1948)**  
Physical Description: (10 items)  
Scope and Content Note  
[Joseph B. Gill (2); Ethel Gonzales (2); Warren Kimball Green (6)]

Folder 25  
**F. H. HAGNER (1948)**  
Physical Description: (6 items)

Folder 26  
**John C. HOGG (1948)**  
Physical Description: (9 items)

Folder 27  
**H. C. van de HULST (1948)**  
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**R -- miscellaneous (1948)**
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- Scope and Content Note
  [Radio Corp. of America, RCA Laboratories Division (A. B. Moulton) (2); Walter Renkawitz (4)]

Folder 38  
**SCIENCE ILLUSTRATED (1948)**
- Physical Description: (5 items)

Folder 39  
**S -- miscellaneous (1948)**
- Physical Description: (5 items)
- Scope and Content Note
  [Gerhard Sedivec (2); Cecil Steen (1); John Streeter (2)]

Folder 40  
**T -- miscellaneous (1948)**
- Physical Description: (2 items)
- Scope and Content Note
  [Howard Tatel (2)]

Folder 41  
**U -- miscellaneous (1948)**
- Physical Description: (8 items)
- Scope and Content Note
  [University of Nebraska Libraries (2); U.S. Department of State (Eugene V. Brown) (6)]

Folder 42  
**V -- miscellaneous (1948)**
- Physical Description: (4 items)
- Scope and Content Note
  [Fred Veio (2); H. R. von Kleist (2)]

Folder 43  
**Edwin P. WALD (1948)**
- Physical Description: (9 items)

Folder 44  
**W -- miscellaneous (1948)**
- Physical Description: (14 items)
- Scope and Content Note
  [Ward, Lock & Co., Ltd. (2); Frederick Ulrich Weiss (6); Franz E. Wells (2); H. Percy Wilkins (2); Charles F. Witherow (2)]

Folder 45  
**Z -- miscellaneous (1948)**
- Physical Description: (3 items)
- Scope and Content Note
  [Heinz Zoch (3)]

Box 2  
**1949**

Folder 46  
**ASTRONOMY CHARTED (1949)**
- Physical Description: (20 items)
- Scope and Content Note
  [Ralph A. Wright; incl 1 slide]
Folder 47

A -- miscellaneous (1949)

Physical Description: (11 items)
Scope and Content Note
[Ansel Adams (2); Lawrence Hugh Aller (5); Allyn and Bacon (2); Beverly Audé (2)]

Folder 48

B -- miscellaneous (1949)

Physical Description: (37 items)
Scope and Content Note
[J. A. Babalola (2); Philip A. Baker (1); Stuart F. Baptista (5); Gene Baraff (5); Arthur Barkin (3); Earl J. Behling (4); T. B. Bi (incl. 1 photo of Nanking Observatory) (3); Mark H. Bigler (2); W. A. Brady (2); Hermann E. Brasch (2); K. G. Brehm (2); B. Beth Bristol (2); D. Brooke (2); B. Allen Bryant (2)]

Folder 49

CALIFORNIA INSTITUTE OF TECHNOLOGY -- BOOKSTORE (1949)

Physical Description: (21 items)
Scope and Content Note
[Requests for photographs passed on to the Caltech bookstore.]

Folder 50

CALIFORNIA INSTITUTE OF TECHNOLOGY -- NEWS RELEASES (1949)

Physical Description: (23 items)
Scope and Content Note
[Includes some material on Palomar Mt. Observatory]

Folder 51

CALIFORNIA INSTITUTE OF TECHNOLOGY -- PUBLIC RELATIONS OFFICE (1949)

Physical Description: (39 items)
Scope and Content Note
[George Hall]

Folder 52

J. P. J. CHAPMAN (1949)

Physical Description: (8 items)
Scope and Content Note
[See also H. Percy Wilkins in folder 2.82]

Folder 53

C -- miscellaneous (1949)

Physical Description: (21 items)
Scope and Content Note
[California Academy of Sciences (2); Fred W. Cassirer (1); S. E. Chaney, Jr. (3); Chauvin Arnoux (2); Albert Clark (2); Amos E. Clark (2); The Arthur H. Clark Co. (3); William Weber Coblenz (2); Collier's Readers Research Bureau (2); Sir Alwyn Crow (1); Leslie Cryer (2); John Hamilton Curtiss (1)]

Folder 54

DRAKE UNIVERSITY MUNICIPAL OBSERVATORY (1949)

Physical Description: (4 items)
Scope and Content Note
[Philip S. Riggs]

Folder 55

D -- miscellaneous (1949)

Physical Description: (14 items)
Scope and Content Note
[Lanae Dennis (2); Roy C. Diaz (2); Castor Anton Doedens & Pollux Hendrik Doedens (letter written by parents) (2); Doschek and Frost, Consultants (2); J. Winston Driskell (2); Droemersche Verlangsanstalt (2); Alexej Dvo (k) (2)]
Folder 56  
**E -- miscellaneous (1949)**
Physical Description: (5 items)
Scope and Content Note
[Encyclopaedia Britannica Ltd. (5)]

Folder 57  
**F -- miscellaneous (1949)**
Physical Description: (20 items)
Scope and Content Note
[Alice Hall Farnsworth (5); Frederick G. Fassett, Jr. (Carnegie Institution of Washington) (4); José Ferreira Mendes (2); Joseph Fillias (2); The Franklin Institute (6); W. V. S. Fuge (1)]

Folder 58  
**G -- MISCELLANEOUS (1949)**
Physical Description: (12 items)
Scope and Content Note
[George B. Gelakoski (2); Martha Gillon (2); The Grolier Society, Inc. (4); Joseph Grosz (2); Howard Gruenberger (2)]

Folder 59  
**H -- miscellaneous (1949)**
Physical Description: (29 items)
Scope and Content Note
[Wayne Harbour (2); Susan Harper (2); Albert J. Harrison (3); David Hart (2); Lud. Hebeier (3); Karl Herndon (1); Cedric E. Hesthal (2); Mrs. Daisy M. Hill (2); Amos H. Hoff (2); Gerald J. Holton (1); Lewis Howard (2); H. R. Howell (2); Walter J. Howell (2); Grace (Mrs. Edwin P.) Hubble (1); Charles Morse Huffer (2)]

Folder 60  
**I -- miscellaneous (1949)**
Physical Description: (2 items)
Scope and Content Note
[Wilhelmina Iwanowska (2)]

Folder 61  
**Martin JOHNSON (1949)**
Physical Description: (7 items)

Folder 62  
**J -- miscellaneous (1949)**
Physical Description: (9 items)
Scope and Content Note
[Jet Propulsion Laboratory (V. C. Larsen, Jr.) (3); Minnie Johnson (2); Ronald Johnston (2); John Jongkindt (2)]

Folder 63  
**K -- miscellaneous (1949)**
Physical Description: (5 items)
Scope and Content Note
[Patsy Kelly (2); Thomas Key (2); Robert Burnett King (re Donald Hendrix) (1)]

Folder 64  
**Oliver Justin LEE (1949)**
Physical Description: (9 items)
Folder 65  **L -- miscellaneous (1949)**

Physical Description: (33 items)

Scope and Content Note

[Michael Laguerre (5); Walter Lammert (2); Will Lane (2); Ernest Leipold, Jr. (2); Frederick Charles Leonard (2); Fred E. Lindsey (8); Jack Locher (2); Los Angeles Astronomical Society, Inc. (H. L. Freeman) (6); Nels B. Ludwall (2); Stuart Lucky (2)]

Folder 66  **M -- miscellaneous (1949)**

Physical Description: (24 items)

Scope and Content Note

[Rev. Kenneth J. MacLennan (2); Kim Malville (2); Friedrich Martinez (3); Erwin Marx (4); Maryland Academy of Sciences (1949 Graphic Time Table of the Heavens) (2); Alexander Matthews (2); Harold Mendelsohn (Twentieth Century-Fox Film Corp.) (2); Harcourt S. Middleton (2); *The Minneapolis Star* and *The Minneapolis Tribune* (Charles McFadden) (2); Orren Cuthbert Mohler (1); Mary Musser (2)]

Folder 67  **Eric G. Nichols (1949)**

Physical Description: (21 items)

Folder 68  **N -- miscellaneous (1949)**

Physical Description: (9 items)

Scope and Content Note

[National Advisory Committee for Aeronautics (1); Thomas A. Nelson (3); The New American Library of World Literature, Inc. (5)]

Folder 69  **O -- miscellaneous (1949)**

Physical Description: (12 items)

Scope and Content Note

[Gerard Ochs (2); Robert M. Olsen (1); Ann Orebaugh (2); José Maria Otero Navascués (2); Edgar Otto (incl. 3 photos) (5)]

Folder 70  **PHOTO LAB -- MT. WILSON & PALOMAR OBSERVATORIES (1949)**

Physical Description: (4 items)

Folder 71  **Physics Today (1949)**

Physical Description: (10 items)

Scope and Content Note

[David A. Katcher]

Folder 72  **P -- miscellaneous (1949)**

Physical Description: (21 items)

Scope and Content Note

[George Pal Productions, Inc. (1); Martha Parlette (2); M ximo Pexa Matos (5); George E. Pentland (5); A. Keith Pierce (1); Popular Mechanics (Richard F. Dempewolff) (4); H. Randolph Pyle (3)]

Folder 73  **R -- miscellaneous (1949)**

Physical Description: (9 items)

Scope and Content Note

[K. N. Rao (1); Gene Reese (2); Reuters (2); Bruce H. Rule (2); G. M. Russell (2)]
Folder 74  
**THE SCIENCE TEACHER (1949)**
- Physical Description: (8 items)
- Scope and Content Note
  [Publication of the National Science Teachers Association of the United States (John C. Chiddix)]

Folder 75  
**Harold J. SHEPSTONE (1949)**
- Physical Description: (7 items)

Folder 76  
**Sir Harold SPENCER JONES (1949)**
- Physical Description: (4 items)
- Scope and Content Note
  [Material relating to Spencer Jones's series of lectures in the Los Angeles area]

Folder 77  
**S -- miscellaneous (1949)**
- Physical Description: (27 items)
- Scope and Content Note
  [Scientific American (Dennis Flanagan) (7); E. Serrano (2); Anibal Silva (5); Walter Sontag (4); De Spaarnestad (1); Roger Sperling (2); W. H. Steavenson (2); John W. Streeter (2); Gustaf Benjamin Strömberg (2)]

Folder 78  
**T -- miscellaneous (1949)**
- Physical Description: (4 items)
- Scope and Content Note
  [Howard Tatel (1); Ronald C. Thornton (3)]

Folder 79  
**U. S. CAMERA PUBLISHING CORP. (1949)**
- Physical Description: (11 items)

Folder 80  
**U, V -- miscellaneous (1949)**
- Physical Description: (26 items)
- Scope and Content Note
  [Die Umschau (2); United Nations Educational, Scientific and Cultural Organization (Ellsworth Jaeger) (2); U.S. Air Force Air Materiel Command (3); U.S. Embassy, Rome, Italy (6); University of Chicago Press (8); Hugo Vanderwaerden (1); Edith Veitch (2); Fred K. Vreeland (2)]

Folder 81  
**Frederick Ulrich WEISS (1949)**
- Physical Description: (22 items)

Folder 82  
**W -- miscellaneous (1949)**
- Physical Description: (15 items)
- Scope and Content Note
  [Richard W. Warner (5); Harold Weaver (3); H. Percy Wilkins (includes letter from J. P. J. Chapman) (3); Howard R. Williams (includes letter from Mark Finley) (4)]

Folder 83  
**X, Y, Z -- miscellaneous (1949)**
- Physical Description: (2 items)
- Scope and Content Note
  [J. Z Istra (2)]

Box 3  
1950
Folder 84  Adolfo Garcia ABRINES (1950)
  Physical Description: (7 items)
  Scope and Content Note
  [Incl ltr of intro from Hugh Hildreth Skilling]

Folder 85  ANNOUNCEMENTS OF NEW DISCOVERIES (1950)
  Physical Description: (16 items)
  Scope and Content Note
  [Telegrams to/from Harvard College Observatory]

Folder 86  Robert A. ASH (1950)
  Physical Description: (5 items)

Folder 87  ASTRONOMY CHARTED (1950)
  Physical Description: (29 items)
  Scope and Content Note
  [Ralph A. Wright]

Folder 88  ATHENÄUM-VERLAG (1950)
  Physical Description: (9 items)

Folder 89  A -- miscellaneous (1950)
  Physical Description: (11 items)
  Scope and Content Note
  [Frank J. Acfield (5); Ruth Serviss Ackerman (2); Edward Arnold & Co. (2); Association of
  Lunar and Planetary Observers (2)]

Folder 90  Richard Johannes BECKERT (1950)
  Physical Description: (2 items)
  Scope and Content Note
  [Ms. entitled "Die Flucht aller Nebelwelten vor der unseren und ihre Ursache [The Flight of
  All Nebular Worlds Away from Ours and Its Causes]."]

Folder 91  BRITISH BROADCASTING CORPORATION (1950)
  Physical Description: (6 items)

Folder 92  B -- miscellaneous (1950)
  Physical Description: (9 items)
  Scope and Content Note
  [Orland Baker (2); Hubert Barberis (3); C. C. Baum (1); Lee E. Brinkman (2); Ronald
  Brockman (1)]

Folder 93  CALIFORNIA INSTITUTE OF TECHNOLOGY -- BOOKSTORE (1950)
  Physical Description: (29 items)

Folder 94  CALIFORNIA INSTITUTE OF TECHNOLOGY -- NEWS RELEASES (1950)
  Physical Description: (7 items)

Folder 95  CALIFORNIA INSTITUTE OF TECHNOLOGY -- PUBLIC RELATIONS OFFICE (1950)
  Physical Description: (22 items)
  Scope and Content Note
  [George Hall; Royal Astronomical Society; National Geographic Society]
Folder 96

Edwin Francis CARPENTER (1950)

Physical Description: (6 items)

Folder 97

C -- miscellaneous (1950)

Physical Description: (18 items)
Scope and Content Note
[California Department of Motor Vehicles (3); Gino Cecchini (3); Jean Chazy (1); L. F. Chew (2); M. W. Chiponkar (2); Massimo Cimino (1); Clarence Higbee Cleminshaw (1); Corning Glass Works (1); Council on Atomic Implications, Inc. (3) (see Emerson Film Corp.); Russell Tracy Crawford (1)]

Folder 98

D -- miscellaneous (1950)

Physical Description: (10 items)
Scope and Content Note
[Daily Mirror (2); Bernard G. Dale (3); Darling Astronomy Club (Duluth, Minnesota) (2); Denny Refrigeration Co. (1); Charles Dollard (1); Lee Alvin DuBridge (1)]

Folder 99

E -- miscellaneous (1950)

Physical Description: (5 items)
Scope and Content Note
[Emerson Film Corp. (2) (see Council on Atomic Implications, Inc.); Karl Henry Engel (incl 1 photo) (3)]

Folder 100

Frederick G. FASSETT, Jr. (1950)

Physical Description: (5 items)

Folder 101

F -- miscellaneous (1950)

Physical Description: (4 items)
Scope and Content Note
[Richard S. Finke (1); First Trust and Savings Bank of Pasadena (1); Nevil Frank (2)]

Folder 102

GINN AND COMPANY (1950)

Physical Description: (14 items)

Folder 103

G -- miscellaneous (1950)

Physical Description: (3 items)
Scope and Content Note
[General Electric (1); Arturo Gutierrez Martin (2)]

Folder 104

Margaret HARWOOD (1950)

Physical Description: (5 items)
Scope and Content Note
[Incl 1 photo]

Folder 105

H -- miscellaneous (1950)

Physical Description: (25 items)
Scope and Content Note
[Richard Hamilton (AAVSO) (4); Robert G. Harrington (1); William Merry Heina (4); Elliott C. Hensel (6); Rockwell Hereford (1); Karl C. Herndon (1); George H. Hughes (2); L. E. C. Hughes (4); Robert Hutton (2)]
Collection Contents

Folder 106  J -- miscellaneous (1950)
Physical Description: (2 items)
Scope and Content Note
[Chuck Jonkel (2)]

Folder 107  K -- miscellaneous (1950)
Physical Description: (8 items)
Scope and Content Note
[Walter Kachniewicz (2); Gyorgy Kepes (4); Alan R. Krasberg (2)]

Folder 108  Dave LUND (1950)
Physical Description: (7 items)

Folder 109  L -- miscellaneous (1950)
Physical Description: (15 items)
Scope and Content Note
[Oliver Justin Lee (4); Long Beach Public Schools (2); Los Angeles Astronomical Society, Inc. (2); Los Angeles City Board of Education (2); Werner Lucas (5)]

Folder 110  MOUNT WILSON MONASTERY (1950)
Physical Description: (2 items)
Scope and Content Note
[Rules for guest investigators staying at the Monastery.]

Folder 111  M -- miscellaneous (1950)
Physical Description: (30 items)
Scope and Content Note
[Elizabeth McClellan (2); Edward P. MacDonald (2); The Macmillan Co. (1); W. G. Mandzuk (2); Sister Mary Therese, B.V.M. (5); Maryland Academy of Sciences (2); John B. Mast (2); D. Bruce Mathewson (2); Elizabeth Maxwell (2); V. B. Meen (2); Paul Willard Merrill (re Ralph Wilson) (1); Gerald Merton (2); Harcourt S. Middleton (4); Orren Cuthbert Mohler (1)]

Folder 112  N -- miscellaneous (1950)
Physical Description: (4 items)
Scope and Content Note
[F. J. Neubauer (1); H. H. Nininger (2); Artie J. Norvell (1)]

Folder 113  O -- miscellaneous (1950)
Physical Description: (9 items)
Scope and Content Note
[C. O'Connor (2); Gerald F. O'Donnell (1); Mrs. William A. Olson (2); Guy C. Omer, Jr. (2); José María Otero Navascués (2)]

Folder 114  Luigi PIN (1950)
Physical Description: (7 items)

Folder 115  P -- miscellaneous (1950)
Physical Description: (12 items)
Scope and Content Note
[Palomar Mountain Stages (1); Brother Thomas R. Paquet (2); Judson L. Parker (4); C. E. Payne (2); Physics Today (1); Norbert Polet, S.J. (2)]
Folder 116 | Q -- miscellaneous (1950)
---|---
Physical Description: (5 items)
Scope and Content Note
[Mrs. Rose Quin (3); Edwin L. Quinn (2)]

Folder 117 | R -- miscellaneous (1950)
---|---
Physical Description: (11 items)
Scope and Content Note
[RPI Engineer (2); Theodore Morse Ritchie (2); Franklin E. Roach (2); L. Rosino (2); Bruce H. Rule (c.ltr BHR 6 Elmer Neimoeller, American Institute of Electrical Engineers) (1); A. W. Rundquist (2)]

Folder 118 | S -- miscellaneous (1950)
---|---
Physical Description: (31 items)
Scope and Content Note
[Allan Rex Sandage (1); John Henry Sato (2); Science Service (1); Sciences et Avenir (3); Albert V. Shatzel (2); Sheriff's Relief Association (1); W. J. Siekman (2); Aníbal Silva (1); Bancroft & Charlotte Sitterly (1); Southern California Edison Company (1); Standard Farm Guide (1); Morris Steggerda (2); Ferdinand Steinbock (3); E. B. Stivas (2); Carl Störmer (4); Gustaf Strömberg (1); Nelson Sullivan (3)]

Folder 119 | T -- miscellaneous (1950)
---|---
Physical Description: (7 items)
Scope and Content Note
[Donald K. Tead (2); I. L. Thorsen (2); Edmund Tuttas (3)]

Folder 120 | U, V -- miscellaneous (1950)
---|---
Physical Description: (16 items)
Scope and Content Note
[Die Umschau (3); U.S. Air Force Air Materiel Command (George W. Goddard) (3); U.S. Coast & Geodetic Survey (Ralph W. Woodworth) (2); United States Metals Refining Company (3); Peter van de Kamp (2); Frederick K. Vreeland (3)]

Folder 121 | Edwin WALD (1950)
---|---
Physical Description: (9 items)

Folder 122 | Fletcher G. WATSON (1950)
---|---
Physical Description: (6 items)

Folder 123 | Harold WEAVER (1950)
---|---
Physical Description: (12 items)

Folder 124 | John H. WITTE, Jr. (1950)
---|---
Physical Description: (8 items)

Folder 125 | W -- miscellaneous (1950)
---|---
Physical Description: (18 items)
Scope and Content Note
[WCBS-TV (George Olden) (2); M. Arden Weekly (2); G. P. Weeren (4); Merle Welander (2); Raoul Wexberg (2); Walter T. Whitney (2); Arthur Wiebe (3); E. H. Woodard (1)]
Folder 126  
**X, Y, Z -- miscellaneous (1950)**

Physical Description: (4 items)

Scope and Content Note

[E. C. Yowell (1); Harvey A. Zinszer (3)]

Box 4  
Folder 127  
**1951**

**ASTRONOMY CHARTED (1951)**

Physical Description: (18 items)

Scope and Content Note

[Ralph A. Wright]

Folder 128  
**A -- miscellaneous (1951)**

Physical Description: (13 items)

Scope and Content Note

[Agrupació Astronòmica Aster, Barcelona (2); Robert Grant Aitken (3); American Association of University Women (re photos of Gure Else Gjellestad) (5); J. F. d'Aumerie (3)]

Folder 129  
**B -- miscellaneous (1951)**

Physical Description: (11 items)

Scope and Content Note

[H. Baker (2); M. S. Benedict (2); British Information Services (Robert Butts) (3); John Lowell Butler (2); Ken Byers (2)]

Folder 130  
**CALIFORNIA INSTITUTE OF TECHNOLOGY -- Bookstore (1951)**

Physical Description: (14 items)

Scope and Content Note

[Orders for Observatory photographs]

Folder 131  
**CARNEGIE INSTITUTION OF WASHINGTON NEWS (1951)**

Physical Description: (1 item)

Scope and Content Note

[Spring 1951 Newsletter]

Folder 132  
**Gino CECCHINI (1951)**

Physical Description: (12 items)

Folder 133  
**C -- miscellaneous (1951)**

Physical Description: (51 items)

Scope and Content Note

[California Commissioner of Corporations (re Edmund Adams) (1); Percy A. Campbell (1); Rev. E. S. Carlson, O.P. (4); Carnegie Institution of Washington Office of Publications (3); Edwin F. Carpenter (1); Edna Carter (3); Jack Carter (5); Chapman College (Virginia A. Purcell) (3); P. J. Chuhran (2); R. Clark (2); Clarence Higbee Cleminshaw (4); M. L. Clevett, Jr. (2); Dorothy Cocks (2); Collier's (Sey Chassler) (2); Per Collinder (2); Colonial Associates, Inc., Advertising (5); Paul R. Cook (2); E. B. Crocker Art Gallery (Don R. Birrell) (5); Current Science & Aviation (Claudea Clow) (2)]
Folder 134  **D -- miscellaneous (1951)**
Physical Description: (14 items)
Scope and Content Note
[J. Dautrevaux (2); Salvatore V. D'Elia (2); David Dietz (2); Robert S. Dietz (3); Joseph Dinardo (2); R. S. Dodson, Jr. (1); Eric Dugmore (2)]

Folder 135  **E -- miscellaneous (1951)**
Physical Description: (2 items)
Scope and Content Note
[Sam Ellison (2)]

Folder 136  **F -- miscellaneous (1951)**
Physical Description: (19 items)
Scope and Content Note
[Umberto Farabollini (2); Carroll B. Farmer, Jr. (2); Frederick G. Fassett, Jr. (1); J. W. Fecker Inc. (Frank W. Surovec) (7); H. W. Flood (5); Holland Foster (2)]

Folder 137  **George GAMOW (1951)**
Physical Description: (6 items)

Folder 138  **G -- miscellaneous (1951)**
Physical Description: (15 items)
Scope and Content Note
[Howard Gates (1); Gordon Gibson (2); Robert Gold (3); Leo Goldberg (3); The Grolier Society, Inc. (Catherine O'Dea) (3); Ole Guldberg (2); V. Guth (1)]

Folder 139  **H -- miscellaneous (1951)**
Physical Description: (37 items)
Scope and Content Note
[W. S. Harmon Co. (1); Kenneth A. Harvey (2); The Haskin Service (4); Reed Leroy Hilton (2); Hayden Planetarium (Robert R. Coles) (3); Edwin B. Heaford (2); W. P. Heath, Jr. (5); Byron A. Hill (4); Henry Holt and Company, Inc., Publishers (2); James Dryden Hosken (3); Houghton Mifflin Company (1); William S. Huber (3); A. M. Hudson (2); Don Hughes (2); William W. Huse (1)]

Folder 140  **I -- miscellaneous (1951)**
Physical Description: (5 items)
Scope and Content Note
[Indemnity Insurance Co. of North America (re Sidney Andrews Jones) (1); John B. Irwin (2); K. H. Isselstein (2)]

Folder 141  **J -- miscellaneous (1951)**
Physical Description: (3 items)
Scope and Content Note
[William M. Jacomb (3)]

Folder 142  **Wasley S. KROGDAHL (1951)**
Physical Description: (15 items)
Scope and Content Note
[Some from late 1950]
Folder 143  
**K -- miscellaneous (1951)**  
Physical Description: (12 items)  
Scope and Content Note  
[R. Kaechele (2); Philip C. Keenan (2); Rev. Armin C. Keibel (2); John D. Kraus (3); Egbert A. Kreiken (3)]

Folder 144  
**L - miscellaneous (1951)**  
Physical Description: (21 items)  
Scope and Content Note  
[J. H. Landrum (2); B. Lalitch (2); F. Lauraitis (2); Oliver Justin Lee (3); Robert B. Leighton (2); Gerald I. P. Levinson (5); Los Angeles City Board of Education (3); Gregory Lounz (2)]

Folder 145  
**William MARKOWITZ (1951)**  
Physical Description: (6 items)

Folder 146  
**P. J. MAYCOCK (1951)**  
Physical Description: (5 items)  
Scope and Content Note  
[re Bristol Astronomical Society]

Folder 147  
**M -- miscellaneous (1951)**  
Physical Description: (20 items)  
Scope and Content Note  
[R. D. McAllister (2); John B. McGrew (3); George Marsden (3); Maryland Academy of Sciences (4); Paul Megan (2); Paul Willard Merrill (1); Herbert W. Meyer (2); Orren C. Mohler (1); Moody Institute of Science (F. Alton Everest) (2)]

Folder 148  
**N -- miscellaneous (1951)**  
Physical Description: (5 items)  
Scope and Content Note  
[The New American Library (3); Richard Norton (2)]

Folder 149  
**O -- miscellaneous (1951)**  
Physical Description: (10 items)  
Scope and Content Note  
[E. G. Oakley Beuttler (2); Daniel O'Donnell (1); R. Oldenbourg Verlag (2); John J. O'Neill (3); *Orion* (H. Kluth) (2)]

Folder 150  
**Thornton Leigh PAGE (1951)**  
Physical Description: (9 items)

Folder 151  
**Cecilia Helena PAYNE-Gaposchkin (1951)**  
Physical Description: (7 items)

Folder 152  
**PICTORIAL CALIFORNIA (1951)**  
Physical Description: (5 items)

Folder 153  
**P -- miscellaneous (1951)**  
Physical Description: (13 items)  
Scope and Content Note  
[Felix Pennines (2); Alejandro Pezzia (2); The Photographic Society of America (1); Raymond F. Piper (6); Antoni Przybylski (2)]
Folder 154  **R -- miscellaneous (1951)**
Physical Description: (21 items)
Scope and Content Note
[J. J. Raimond, Jr. (5); Gibson Reaves (2); Ariel Rega (2); Epifanio Resendez (2); Albert P. Rippenbein (2); Alpheus J. Roberts (4); Paul Roques (1); Donald S. Ross (2); Bruce H. Rule (1)]

Folder 155  **THE SANDPIPER PRESS (1951)**
Physical Description: (7 items)

Folder 156  **John STERNIG (1951)**
Physical Description: (9 items)

Folder 157  **S -- miscellaneous (1951)**
Physical Description: (18 items)
Scope and Content Note
[Raymond Schulz (2); R. William Shaw (2); ? Sibley (1); Upton Sinclair (2); Charlotte Emma Moore Sitterly (1); Harold Spencer Jones (3); Virginia Strickland (Mt. Wilson Post Office) (3); Gustaf Strömberg (3); Otto Struve (1)]

Folder 158  **T -- miscellaneous (1951)**
Physical Description: (3 items)
Scope and Content Note
[H. J. Thorkelson (3)]

Folder 159  **Harold C. UREY (1951)**
Physical Description: (9 items)

Folder 160  **U -- miscellaneous (1951)**
Physical Description: (4 items)
Scope and Content Note
[United Nations Educational, Scientific and Cultural Organization (Alain Gille) (3); U.S. Naval Ordnance Test Station (re Roger Hayward) (1)]

Folder 161  **V -- miscellaneous (1951)**
Physical Description: (7 items)
Scope and Content Note
[Peter van de Kamp (4); W. H. van den Bos (2); H. Vanderlinden (1)]

Folder 162  **Edwin WALD (1951)**
Physical Description: (8 items)

Folder 163  **Harold WEAVER (1951)**
Physical Description: (8 items)

Folder 164  **W -- miscellaneous (1951)**
Physical Description: (10 items)
Scope and Content Note
[F. W. Warburton (2); H. Wearing (2); Nettie A. Werdig (2); Olin Chaddock Wilson, Jr. (1); John C. Winston Company (3)]

Box 5  **1952**
Folder 165  
**ASTRONOMY CHARTED (1952)**
Physical Description: (30 items)
Scope and Content Note
[Ralph A. Wright; incl. one 2x2 slide]

Folder 166  
**A -- miscellaneous (1952)**
Physical Description: (1 item)
Scope and Content Note
[Academia Colombiana de Ciencias Exactas (Lucia Vergara Uribe) (1)]

Folder 167  
**B -- miscellaneous (1952)**
Physical Description: (9 items)
Scope and Content Note
[The Barondon Corporation (2); Harold S. Belcher (2); The Bon Marche (2); W. H. van den Bos (1); E. Margaret Burbidge (2)]

Folder 168  
**L. S. COPELAND (1952)**
Physical Description: (9 items)

Folder 169  
**C -- miscellaneous (1952)**
Physical Description: (5 items)
Scope and Content Note
[California Institute of Technology (G. Housner) (2); California Institute of Technology News Bureau (1); Thad W. Culmer, II (2)]

Folder 170  
**THE DETROIT ASTRONOMICAL SOCIETY, INC. (1952)**
Physical Description: (10 items)
Scope and Content Note
[Donaldson Craig; Olive Grunow]

Folder 171  
**D -- miscellaneous (1952)**
Physical Description: (7 items)
Scope and Content Note
[Dorothea Davis (1); Benjamin Draper (1); Edward Dyson (5)]

Folder 172  
**E -- miscellaneous (1952)**
Physical Description: (6 items)
Scope and Content Note
[Jerome Ellison (6)]

Folder 173  
**F -- miscellaneous (1952)**
Physical Description: (5 items)
Scope and Content Note
[Edward Arthur Fath (5)]

Folder 174  
**G -- miscellaneous (1952)**
Physical Description: (4 items)
Scope and Content Note
[Gordon Garmire (2); General Electric Company (2)]
Folder 175  
H -- miscellaneous (1952)  
Physical Description: (8 items)  
Scope and Content Note  
[Eugene L. Hancock (1); Arthur T. Harvey (2); Arthur Holden (2); Robert E. Holzer (1); Roy M. Hubel (2)]

Folder 176  
I -- miscellaneous (1952)  
Physical Description: (2 items)  
Scope and Content Note  
[Ideal Tool and Plastic Manufacturing Company (2)]

Folder 177  
J -- miscellaneous (1952)  
Physical Description: (3 items)  
Scope and Content Note  
[Oscar Normann Johannesen (3)]

Folder 178  
K -- miscellaneous (1952)  
Physical Description: (3 items)  
Scope and Content Note  
[Philip M. Kalavros (2); Michael B. Karelitz (1)]

Folder 179  
A. LÈVEILLÈ (1952)  
Physical Description: (7 items)

Folder 180  
L -- miscellaneous (1952)  
Physical Description: (14 items)  
Scope and Content Note  
[Hugo Lange (3); Jerry Larsen (2); H. W. Liepmann (1); J. Stanley Lingebach (2); James D. Livingstone (4); Los Angeles City Board of Education (2)]

Folder 181  
M -- miscellaneous (1952)  
Physical Description: (20 items)  
Scope and Content Note  
[George V. McCauley (3); Walter Machota, Jr. (2); T. C. Mansfield (4); ? Marshall (1); J. R. Meadows (2); Per Melin (2); Gerald Merton (3); Orren Cuthbert Mohler (3)]

Folder 182  
N -- miscellaneous (1952)  
Physical Description: (1 item)  
Scope and Content Note  
[National Bureau of Standards (Curtis J. Humphreys) (1)]

Folder 183  
O -- miscellaneous (1952)  
Physical Description: (5 items)  
Scope and Content Note  
[M. Ogren (5)]

Folder 184  
P -- miscellaneous (1952)  
Physical Description: (14 items)  
Scope and Content Note  
[Pasadena Chamber of Commerce (1); Pasadena City Hall, Personnel Dept. (re Mr. Herndon) (1); Cecilia Helena Payne-Gaposchkin (2); Gordon R. Pennington (6); Mrs. George F. Perry (2); Popular Mechanics (2)]
Folder 185  
**R -- miscellaneous (1952)**
Physical Description: (13 items)  
Scope and Content Note  
[Mrs. John E. Register (5); Elwood Reinhart (2); J. J. Richmond (4); G. R. P. Rutter (2)]

Folder 186  
**S -- miscellaneous (1952)**
Physical Description: (29 items)  
Scope and Content Note  
[R. C. Scanlan (1); Seibundo-Shinkosha Publishing Company (1); Upton Sinclair (4); Herbert H. Smith (9); Pat Spaulding (re Marcus H. Brown) (5); Page Stelle (2); Paul E. Stevens (2); Gustaf Strömberg (2); Edward B. Sutton, Jr. (3)]

Folder 187  
**T -- miscellaneous (1952)**
Physical Description: (2 items)  
Scope and Content Note  
[L. D. "Babe" Taylor (2)]

Folder 188  
**U, V -- miscellaneous (1952)**
Physical Description: (1 item)  
Scope and Content Note  
[University of California Purchasing Dept. (1)]

Folder 189  
**W -- miscellaneous (1952)**
Physical Description: (7 items)  
Scope and Content Note  
[P. V. H. Weems (Institute of Navigation) (2); G. E. Wetherhold (2); Walter T. Whitney (3)]

Folder 190  
**X, Y, Z -- miscellaneous (1952)**
Physical Description: (2 items)  
Scope and Content Note  
[Year (2)]