Alfred Harrison Joy Papers: Finding Aid

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Overview of the Collection
Title: Alfred Harrison Joy Papers
Dates (inclusive): 1910-1972
Collection Number: mssJoy papers
Extent: Approximately 2,150 items in 10 boxes
Repository: The Huntington Library, Art Collections, and Botanical Gardens. Manuscripts Department
1151 Oxford Road
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Abstract: This collection consists of the professional papers of American astronomer Alfred Harrison Joy (1882-1973) and contains correspondence and research files related to Joy's study of stellar radial velocities, variable stars, T Tauri stars, and galactic structure. There is also an extensive amount of material related to Joy's involvement with the American Astronomical Society and the Astronomical Society of the Pacific in the collection.
Language: English.
Access
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Publication Rights
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There is no evidence that Joy 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
Provenance
Placed on permanent deposit in the Huntington Library by the Observatories of the Carnegie Institution of Washington Collection. This was done in 1989 as part of a letter of agreement (dated November 5, 1987) between the Huntington and the Carnegie Observatories. The papers have yet to be officially accessioned. Cataloging of the papers was completed in 1989 prior to their transfer to the Huntington.
Biographical Note
Alfred Harrison Joy was a distinguished stellar astronomer who spent most of his professional career at the Mount Wilson Observatory. His work on stellar radial velocities, variable stars, and galactic structure in the early twentieth century laid the groundwork for the rapidly expanding field of astrophysics. His pioneering work, his long tenure at Mount Wilson, his central roles in the Astronomical Society of the Pacific and American Astronomical Society, and his position as Secretary of the Observatory make him a significant figure in the history of astronomy.
Alfred H. Joy was born in Greenville, Illinois, on September 23, 1882 to Frank and Louise (Maynard) Joy. Little is known of his early years, but it appears that Joy's mother passed on to her son a great love of science. When it was time for him to go to college, he went to a small local school, Greenville College, operated by the Free Methodist Church. He took his degree in 1903 in Latin and science, graduating in a class of seven. Joy then spent the next year at Oberlin College in Ohio, obtaining an M.A. in physics. His teacher at Oberlin was Charles E. St. John, who would later become his colleague at Mount Wilson.
Upon receiving his M.A. in 1904, Joy immediately obtained a teaching position at the American University of Beirut. He was the instructor of physics at Beirut and this included teaching astronomy. Over the years, his abilities and interest in astronomy grew, helped by his participation in the 1905 Lick Observatory eclipse expedition in Egypt, the transit of Mercury, and observations of the 1910 apparition of Halley's comet. In 1909, Joy spent the summer in Oxford and Cambridge working on the Carte du Ciel project. In the summer of 1910, Joy worked as an assistant at the Yerkes Observatory. And in the 1910-11 academic year he obtained a Thaw fellowship to Princeton where he received valuable astronomy instruction from Henry Norris Russell. Joy's notebooks from Russell's classes are a valuable part of this collection.
Joy's work on variable stars led to many new results which increased astronomers' understanding of these peculiar objects. He showed in 1933 that the emission lines in RW Tauri's spectrum were due to a small Saturn-like ring around the brighter primary star. Joy identified many spectroscopic binaries and initiated spectroscopic studies of dwarf novae.

Another of Joy's important researches was his study of galactic rotation. From his earlier studies of the radial velocity of Cepheid variables, he collected a large sample of data and demonstrated that the Population I Cepheids constituted a low-velocity family of stars and was able to calculate the coordinates of the Galaxy's center.

Perhaps Joy's most far-reaching work was that on the T Tauri stars. This came about because of his study of M-type dwarfs. Joy became acquainted with these latter stars during his work with Adams. As Joy became interested in the M dwarfs' habit of "flaring," he came across the unusual star UZ Tauri. This type of star, described by Joy as a T Tauri variable in 1945, later proved to be the transition between interstellar clouds and main-sequence stars.

In 1919, Joy married Margherita O. Burns, a computer at the Observatory. The next year, he was appointed Secretary of the Observatory. In this new position, Joy was constantly in contact with the community and press regarding astronomical matters in general and happenings at the Mount Wilson Observatory in particular. Joy remained as Secretary, in addition to his other duties, until his retirement in 1948.

Joy's most infamous feat was his unfortunate accident in 1946 at the age of sixty-four when he fell twenty feet from the Cassegrain platform of the 100-inch telescope to the cement floor. Breaking an arm, a leg, and his hip, Joy was hospitalized but with characteristic vigor, was back observing eight months later.

A great deal of correspondence in the collection is with the Astronomical Society of the Pacific. Joy served in many capacities with this organization, being on its Board of Directors, President in 1931 and 1939, and from 1945 to 1968, editor of the Leaflets, a monthly issuance of small eight page reports for laymen and astronomers on new results in astronomy. In 1950, the Society presented Joy with its highest award, the Bruce Gold Medal. Joy was active in other organizations as well, particularly the American Astronomical Society, being its President from 1949 to 1952. In 1949, Joy was elected to the National Academy of Sciences and in 1964 was named an Associate of the Royal Astronomical Society. In closing, perhaps the best description of Joy comes from his close friend George H. Herbig: "His scientific work was typical of the man himself: it was done quietly, patiently, with gentle humor, with great honesty and generosity. It was accomplished without fanfare, published without arrogance or pretense, and with recognition of the debt he owed to others. Joy was usually content simply to report what he had seen or done, in the conviction that speculation or over-interpretation is often evanescent, but that solid observations would inevitably survive."

Scope and Content
The collection consists of the professional papers of American astronomer Alfred Harrison Joy (1882-1973). It includes both incoming and copies of going correspondence (3 boxes) and research files (manuscripts, lectures, notebooks, etc.) related to Joy's study of stellar radial velocities, variable stars, T Tauri stars, and galactic structure.
Correspondents include: Helmut A. Abt, Ansel Adams, Robert Grant Aitken, George Ellery Hale, George Howard Herbig, Helen Sawyer Hogg, Gerard Peter Kuiper, Willem Jacob Luyten, Beverly T. Lynds, Paul W. Merrill, Thornton Page, Miroslav Plavec, Frederick Hanley Seares, and Alexander N. Vyssotsky. There is also an extensive amount of material related to Joy's involvement with the American Astronomical Society and the Astronomical Society of the Pacific in the collection.

**Correspondence** (Boxes 1-3)
The correspondence includes both incoming letters and outgoing carbon copies. They are arranged in folders alphabetically by named correspondent or subject. The correspondence files are listed alphabetically according to the last name of the correspondent or, in some cases, to the first word of the subject heading. If a particular correspondent has less than three items associated with him or her, then these have been placed in the "Miscellaneous Correspondence" files at the end. In the list for each file is noted the correspondent's name, the years covered by the letters, the number of items in the file, and any extra comments are in brackets below each entry.

**Astronomical working papers** (Boxes 4-6)
The working papers are arranged in folders alphabetically according to their subject.

**Talks and papers** (Box 7)
These are arranged in folders chronologically according to when they were given or published. Undated items are placed at the end of the series.

**Society material** (Boxes 7-8)
This series contains printed programs of conferences and minutes of meetings for the American Astronomical Society and the Astronomical Society of the Pacific. The folders are arranged chronologically within each society.

**Photographs** (Box 8)
There are a few folders at the end of Box 8 which contain three dozen photographs, mainly of stellar spectra.

**Notebooks and reprints** (Boxes 9-10)
This series contains various record and note books. Included here are his notes from Henry Norris Russell's classes and a list of his published papers. Includes one volume of bound reprints published by Joy in the *Publications of the Astronomical Society of the Pacific* (1917-1932)

**Arrangement**
Organized in the following series: 1. Correspondence (Boxes 1-3), and 2. Manuscripts, notebooks and volumes, lectures, and research files (Boxes 4-10).

**Related Materials in the Huntington Library**
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 Manuscripts Department of the Huntington Library.

**Indexing Terms**
The following terms have been used to index the description of this collection in the [Huntington Library's Online Catalog](https://www.huntington.org).

**Subjects**
Astronomical Society of the Pacific.
Carnegie Institution of Washington.
Mount Wilson Observatory -- History -- Sources.
Astronomers -- California, Southern -- Archives.
Astronomers -- Correspondence.
Astronomy -- Research.
Stars -- Motion in line of sight.
T Tauri stars.
Variable stars.

**Forms/Genres**
Lectures -- 20th century.
Letters (correspondence) -- 20th century.
Manuscripts -- 20th century.
Notebooks -- 20th century.
Research (document genres) -- 20th century.
Alternate Authors
Abt, Helmut A.
Aitken, Robert Grant, 1864-1951.Abt, Helmut A.
Hale, George Ellery, 1868-1938.Abt, Helmut A.
Herbig, G. H. (George H.)Abt, Helmut A.
Hogg, Helen Sawyer, 1905-1993.Abt, Helmut A.
Kuiper, Gerard P. (Gerard Peter), 1905-1973.Abt, Helmut A.
Luyten, Willem Jacob, 1899-1994.Abt, Helmut A.
Lynds, Beverly T.Abt, Helmut A.
Page, Thornton.Abt, Helmut A.
Plavec, Miroslav.Abt, Helmut A.
Seares, Frederick Hanley, 1873-1964.Abt, Helmut A.
Vyssotsky, A. N. (Alexander N.), 1888-
Astronomical Society of the Pacific.
Carnegie Institution of Washington.

Correspondence

Box 1 (A-Br)
Folder 1.1 Giorgio ABETTI 1959-60, 65-67
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Folder 1.2 Helmut Arthur ABT 1960, 63, 65-67, 72
Physical Description: 53

Folder 1.3 Robert Grant AITKEN 1923, 25, 28-29, 31, 40, 49-50
Physical Description: 17

Folder 1.4 AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS 1952, 54
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[Corresp: Margaret W. Mayall]

Folder 1.5 AMERICAN ASTRONOMICAL SOCIETY -- General Correspondence 1936, 47, 49,
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Folder 1.11  ASTRONOMICAL SOCIETY OF THE PACIFIC -- Vera (Mrs. Paul W.) GRAVES 1951, 60, 62-65
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Folder 1.12  ASTRONOMICAL SOCIETY OF THE PACIFIC -- Mrs. Adeline A. GUNTERN 1963-68
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Folder 1.15  ASTRONOMICAL SOCIETY OF THE PACIFIC -- Gibson REAVES 1968-69
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Folder 1.16  ASTRONOMICAL SOCIETY OF THE PACIFIC -- Miscellaneous Correspondence 1949-50, 60, 65, 68
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[Corresp: Edward A. Mayers; Helmut A. Abt; Elizabeth Roemer; David M. Gregory; Helen M. Pillans]

Folder 1.17  Anthony F. AVENI 1963
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Folder 1.18  J. van der BILT 1926
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Folder 1.19  Marianne C. BRETZ 1964, 66
Physical Description: 5

Folder 1.20  Julius Arthur BROWN 1922, 26-27
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Folder 1.21  Charles E. R. BRUCE 1957, 64-67
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This material is mostly correspondence between Merrill and the University of Michigan Press about his book *Space Chemistry*. Joy took care of the final publication details after Merrill's death.
Correspondence

Box 3 (N-Z, Miscellaneous)

Folder 3.58  NATIONAL ACADEMY OF SCIENCES 1944, 56, 61, 64-66
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[Corresp: Frank Baldwin Jewett; Frederick Eugene Wright; Hugh L. Dryden; G. M. Clemence; Edna Gilbertson]

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Folder 3.65  Gibson REAVES 1967
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Folder 3.66  THE REVIEW OF POPULAR ASTRONOMY 1967
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[Corresp: David B. Williams]

Folder 3.67  Pieter Johannes van RHijn 1934-35
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Folder 3.68  Robert Shirley RICHARDSON 1924, 66
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Folder 3.69  ROYAL ASTRONOMICAL SOCIETY 1934-35, 64
Physical Description: 17
[Corresp: Kathleen Williams; Clabon Walter Allen; E. C. Rubidge]

Folder 3.70  ROYAL ASTRONOMICAL SOCIETY OF CANADA 1960-61
Physical Description: 4
[Corresp: Peter M. Millman; J. E. Kennedy]

Folder 3.71  Henry Norris RUSSELL 1923, 40
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Folder 3.72  RUSSIAN ASTRONOMERS' RELIEF FUND 1922-23
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[Corresp: Edwin Brant Frost; George Van Biesbroeck; Otto Struve; Vernon Kellogg; A. Belopolsky]
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Folder 3.89  
**William C. WEBER 1921-22, 26**  
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[Includes letters from/to William Joseph Hussey]

Folder 3.90  
**John Marsh WILCOX 1966-67**  
Physical Description: 8

Folder 3.91  
**Iris H. WILSON 1963-64**  
Physical Description: 8

Folder 3.92  
**MISCELLANEOUS CORRESPONDENCE A-B**  
Physical Description: 40  
[Ansel Adams; Aetna Casualty and Surety Co.; Harold Lee Alden; Dinsmore Alter; American Institute of Physics [Elmer Hutchisson]; A. D. Andrews; Basic Books, Inc.; Jack Lynch; F. Samuel Bauer; W. W. Baumeister; F. E. Baxandall; Carlyle Smith Beals; F. A. Bellamy; Bernard Benfield; Louis Berman; Peter Bodenheimer; John C. Brandt; Frederick E. Brasch; P. ten Bruggencate]

Folder 3.93  
**MISCELLANEOUS CORRESPONDENCE C-G**  
Physical Description: 39  
[Leon Campbell; L. F. Caouette; Edwin Francis Carpenter; Joseph Wyan Chamberlain; Subrahmanyan Chandrasekhar; Clarence Augustus Chant; Giulio Cioppi; Norman G. Cobb; Elizabeth Connor; Dictionary of Scientific Biography [Charles Coulton Gillispie]; Bayard Dodge; John Wainwright Evans, Jr.; M. W. Feast; Charles Fehrenbach; George Field [, Ivan Robert King, and Rudolph Leo Minkowski]; Simon Freed; Edwin Brant Frost; Sergei Illarionowitsh Gaposchkin; The Geographical Magazine [Walter Hingston]; Frederick Orville Grover]

Folder 3.94  
**MISCELLANEOUS CORRESPONDENCE H-M**  
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[Robert Hardie; John Frederick Heard; A. F. Hewitt, Jr.; Ellen Dorrit Hoffleit; C. M. Huffer; Hugh Mitchell Johnson; Sharon Jordan; Robert Paul Kraft; B. V. Kukarkin; William Kunkel; J. C. Lair; R. A. Lyttleton; Dean Benjamin McLaughlin; W. Martin; William C. Miller; Deborah J. Mills; William Wilson Morgan; G. S. Mumford; James K. Murphy]

Folder 3.95  
**MISCELLANEOUS CORRESPONDENCE N-R**  
Physical Description: 22  
[National Geographic Magazine [William J. Showalter]; O. Richard Norton; Frank Q. Orrall; Valfrids Osvalds; Joseph Algernon Pearce; Harry Hemley Paskett; Popular Astronomy [Ralph L. Henry]; President's Committee on the National Medal of Science [Bryce Crawford, Jr.]; George Worrall Preston, III; Grote Reber; Paul E. Roques; Norman Rubenfeld]

Folder 3.96  
**MISCELLANEOUS CORRESPONDENCE S-Z**  
Physical Description: 40  
[Charles Edward St. John; Science; Frederick Hanley Seares; W. T. Skilling; Charles Hugh Smiley; Harlan J. Smith; Albert W. Staub; Dorothy Michelson [Mrs. William D.] Stevens; Mrs. Emma B. Stoll; H. H. Turner; University Club of Pasadena [Courtenay Monsen]; University of Toronto Library [Robert H. Blackburn]; Tomas S. Vanasek; Brian Warner; B. C. J. Wheatlake; Raymond H. Wilson, Jr.; F. Wunschmann; Arthur Bambridge Wyse; M. C. Zukerman]

**Astronomical Working Papers**
Box 4
Folder 4.97  
**Cluster Paper -- Observations of Bright Variables**  
Physical Description: 47

Folder 4.98  
**Correlation Curves, Adams & Joy -- 1925**  
Physical Description: 2

Folder 4.99  
**Criteria for Spectral Type**  
Physical Description: 1

Folder 4.100  
**Lists of Double Stars (taken at Mt. Wilson) 1929, 45-46**  
Physical Description: 3

Folder 4.101  
**Boss Stars**  
Physical Description: 1

Folder 4.102  
**dM, dK Stars**  
Physical Description: 24

Folder 4.103  
**Dwarfs**  
Physical Description: 1

Folder 4.104  
**Ephemeris Stars**  
Physical Description: 1

Folder 4.105  
**Flare Stars**  
Physical Description: 8

Folder 4.106  
**Giants**  
Physical Description: 4

Folder 4.107  
**Giant M Stars, Recent Plates**  
Physical Description: 1

Folder 4.108  
**K3 -- K5 Dwarfs, 1927**  
Physical Description: 1

Folder 4.109  
**Published Observations of RR Lyrae Stars**  
Physical Description: 1

Folder 4.110  
**Observations of New RR Lyrae Stars, 1938-48 and 1954-55**  
Physical Description: 1

Folder 4.111  
**Subdwarfs**  
Physical Description: 2

Folder 4.112  
**T Tauri and dMe Stars**  
Physical Description: 1

Box 5
Folder 5.113  
**Discarded Variable Stars**  
Physical Description: 1
Folder 5.114  AE Aquarii Worksheets  
Physical Description: 1

Folder 5.115  Mira  
Physical Description: 35

Folder 5.116  RS Ophiuchi, 1958  
Physical Description: 4

Folder 5.117  RV Tauri Stars, 1951  
Physical Description: 1

Folder 5.118  RW Tauri  
Physical Description: 12

Folder 5.119  TT Aurigae -- Original Settings  
Physical Description: 1

Folder 5.120  UV Ceti  
Physical Description: 14

Folder 5.121  Tables 1934  
Physical Description: 1  
[Comparisons of spectral lines with spectral type]

Folder 5.122  Miscellaneous Tables and Charts  
Physical Description: 18

Folder 5.123  Observing List  
Physical Description: 1

Folder 5.124  60-Inch Plate Measurements 1-10,000  
Physical Description: 7

Box 6  

Folder 6.125  100-Inch Plates  
Physical Description: 1  
[List of plates taken by Joy with 100-inch telescope]

Folder 6.126  Record of Plates Measured  
Physical Description: 1

Folder 6.127  Dwarf Variables -- Kuiper Chapter 18  
Physical Description: 25  

Folder 6.128  Globular Cluster Chart Photographs  
Physical Description: 17  
[Includes ltr H. S. Hogg 6 A. H. Joy. Not all photos are of globular clusters]
Folder 6.129  Mt. Wilson Spectrographic Observations of Dwarf M Stars
   Physical Description: 9

Folder 6.130  Mount Wilson Standard Stars for Spectral Type
   Physical Description: 4

Folder 6.131  Photographs of XZ Cygni Curves
   Physical Description: 18

Folder 6.132  T Tauri and UV Ceti (Manuscripts), 1955, 1957
   Physical Description: 4

Folder 6.133  Tucson Notes
   Physical Description: 4

Folder 6.134  Victoria Notes, 1954
   Physical Description: 1

Folder 6.135  Walter Sydney Adams
   Physical Description: 7

Folder 6.136  Joe Adams Cooper
   Physical Description: 2

Folder 6.137  Adriaan van Maanen
   Physical Description: 2

Folder 6.138  Notes and Clippings related to Paul Willard Merrill
   Physical Description: 10

Folder 6.139  Henry Norris Russell
   Physical Description: 3
   [Biographical article and notes for the Griffith Observer]

Folder 6.140  Frederick Hanley Seares
   Physical Description: 1
   [Excerpt from letter of Richard Seares to H. W. Babcock, Nov. 17, 1964]

Talks and Papers

   Box 7
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<tr>
<th>Folder</th>
<th>Title</th>
<th>Physical Description</th>
<th>Date/Location</th>
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<tbody>
<tr>
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<td>&quot;Problems of Contemporary Astronomy&quot;</td>
<td>1</td>
<td>[Los Angeles, Mar. 21, 1930]</td>
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<td>7.142</td>
<td>&quot;Astronomy on Mount Wilson&quot;</td>
<td>1</td>
<td>[Sent to Trails magazine, July 12, 1937]</td>
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<td>7.143</td>
<td>&quot;Celestial Photography at Mount Wilson&quot;</td>
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<td>7.144</td>
<td>&quot;Treasures of the Night&quot;</td>
<td>2</td>
<td>[Fresno, Dec. 1947]</td>
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<td>7.145</td>
<td>&quot;Strange Stellar Families&quot;</td>
<td>2</td>
<td>[San Francisco, Mar. 17, 1950]</td>
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<td>7.146</td>
<td>&quot;Address for Section D [of the AAAS]&quot;</td>
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<td>[Cleveland, Dec. 26-31, 1950]</td>
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<td>&quot;Stellar Explorations with the Spectrograph&quot;</td>
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<td>&quot;The Motions and Dimensions of Our Stellar System&quot;</td>
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<td>7.149</td>
<td>&quot;Recent Advances in Our Knowledge of the World&quot;</td>
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<td>[Dec. 1951]</td>
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<td>7.150</td>
<td>&quot;The 200-Inch Palomar Telescope and Its Work&quot;</td>
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<td>[St. Louis, Jan. 1951]</td>
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<td>7.152</td>
<td>&quot;Variable Stars of Low Luminosity&quot;</td>
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<td>[Boulder, AAS, Aug. 27, 1953]</td>
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<td>Lecture given at Gyro Club, Victoria, British Columbia</td>
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<td>Folder 7.155</td>
<td>&quot;A Half Century of Astronomy in Southern California&quot;</td>
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<td>[Pasadena, Jan. 20, 1955]</td>
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<td>&quot;The Beginnings of the Astronomical Society of the Pacific&quot;</td>
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<td>&quot;Modern Astronomical Research&quot;</td>
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<td>&quot;Variable Stars&quot;</td>
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<td>Folder 7.163</td>
<td>Story of Palomar Film</td>
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**Society Materials**

**Box 7 (continued)**

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<td>Folder 7.165</td>
<td>American Astronomical Society -- Programs and/or Announcements of Meetings 1922-36</td>
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Folder 7.166  
**American Astronomical Society -- Programs and/or Announcements of Meetings 1936-50**  
Physical Description: 49

Folder 7.167  
**American Astronomical Society -- Programs and/or Announcements of Meetings 1951-60**  
Physical Description: 40

**Box 8**

Folder 8.168  
**American Astronomical Society -- Programs and/or Announcements of Meetings 1961-65**  
Physical Description: 26

Folder 8.169  
**American Astronomical Society -- Programs and/or Announcements of Meetings 1966-69**  
Physical Description: 22

Folder 8.170  
**American Astronomical Society -- Programs and/or Announcements of Meetings 1970-72**  
Physical Description: 12

Folder 8.171  
**American Astronomical Society -- Miscellaneous Reports, etc.**  
Physical Description: 3

Folder 8.172  
**Astronomical Society of the Pacific -- Minutes of the Meetings of the Board of Directors, 1964-69**  
Physical Description: 20

Folder 8.173  
**Astronomical Society of the Pacific -- Minutes of the Annual Meetings, 1966-69**  
Physical Description: 4

Folder 8.174  
**Astronomical Society of the Pacific -- Miscellaneous Reports and Material**  
Physical Description: 37

Folder 8.175  
**Programs -- Miscellaneous**  
Physical Description: 14

**Photographs (continued)**

Folder 8.176  
**Photographs: Spectra -- various stars**  
Physical Description: (26 total)  
[UZ Tauri (1); UX Tauri (1); Arcturus (2); 19 Piscium (1); R Centauri (1); R Bootis (1); p1 Gruis (1); SS Cygni (1); XZ Tauri (1); RW Aurigae (1); RW Tauri (1); RY Tauri (1); T Pyxis (1); AG Aurigae (1); 61 Cygni & Antares (1); RS Ophiuchi (3); X Aurigae (1); R Hydrae, T Geminorum, & 19 Piscium (1); X Cygni (1); R Andromedae (1)]

Folder 8.177  
**Photographs: Spectra -- Mira [omicron Ceti]**  
Physical Description: (3 total)

Folder 8.178  
**Photographs: Novae & Supernovae**  
Physical Description: (5 total)

Folder 8.179  
**Photographs: Miscellaneous**  
Physical Description: (5 total)
Photographs

Alfred Harrison Joy Papers: mssJoy papers
Finding Aid

Notebooks and Reprints

Box 9
Folder 9.180  
Notebooks  
  Reference Notebook  
  Physical Description: 1  
  [Contains various subject headings with pertinent bibliographic references]

Folder 9.181  
Handbook of Tables and Constants  
  Physical Description: 1  
  [Self-made lists]

Volume  
Notes from Henry Norris Russell’s course in Celestial Mechanics, Princeton, 1910-11  
  [2 volumes].

Volume  
Notes from Henry Norris Russell’s courses on Measurement of Photographs & Parallax and Proper Motion Plates, 1910  
  [1 volume]

Volume  
Translation of Müller’s Photometrie by A. H. Joy, 1910  
  [2 volumes]

Box 10
Volume  
Notebooks and reprints  
  List of Published Papers by A. H. Joy  
  [2 books. 1 contains short list of the eclipses to which Joy traveled]

Volume  
Record Book of Spectral Lines

Volume  
Record Book with Lists of Faint Dwarf Stars

Volume  
Copied text and partial English translation of Untersuchungen über den Lichtwesel des Sternes Lyrae, by G. W. Myers

Volume  
Copied text of Untersuchungen ueber den Lichtwesel des Sternes beta Persei, by Johannes Hartnig, and Photometrische Beobachtungen des veränderlichen Sterns Aurigae, by J. Balanowsky, 1912

Volume  