

Dana Family Papers

*Guide to the Scholarly Resources
Microfilm Edition*

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Acknowledgment

The publisher wishes to thank the staff of Manuscripts and Archives, at Yale University Library for their ideas, help and effort in compiling the microfilm for this collection.

ISBN 0-8420-4196-6

Manufactured in the United States of America

First printing 1999

Distributed on microfilm by:

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Introduction

The Dana Family Papers document the personal lives and professional activities of the Dana family of Utica, New York, and New Haven, Connecticut. The collection consists of correspondence, writings, printed material, lectures, notebooks, and miscellaneous material concerning family members and the scientific accomplishments of James Dwight and Edward Salisbury Dana in the fields of geology, mineralogy, and natural science. Date spans for the collection are 1805–1961, with the bulk of material dating between 1833–94.

The papers are arranged in four series, with each series containing the papers of an individual family member:

- I JAMES DWIGHT DANA (1813–1895)
1805–1895
- II EDWARD SALISBURY DANA (1849–1935)
1872–1947
- III JAMES DANA (1780–1860) 1814–18
- IV MARIA TRUMBULL DANA (1867–1961)
[ca. 1877–1961]

James Dana was the father of James Dwight Dana. James Dwight Dana was the father of Edward Salisbury Dana and Maria Trumbull Dana. The Dana Family Papers are a particularly rich source of material on the personal life

and professional activities of James Dwight Dana, a leading scientist in the nineteenth century. Dana's work as a naturalist, mineralogist, and geologist place him in the first rank of American scholars.

Series I, JAMES DWIGHT DANA, is organized into three sections: 1) **Correspondence**; 2) **Lectures, Notebooks, and Miscellanea**; and 3) **Writings and Printed Material**.

Section 1: Correspondence, arranged alphabetically by individual, contains personal letters from friends and family as well as letters from professional colleagues on a wide range of scientific subjects. The bulk of Dana's professional correspondence is limited to incoming letters. The personal correspondence, however, includes many detailed letters penned by Dana to his parents and family.

Charles Darwin and James Dwight Dana never met, but their association as scientists, explorers, and scholars fostered a prolonged correspondence from 1849–63. Their common research and explorations in the Pacific, relating to the formation of atolls, barrier reefs, and volcanic regions, provided ample opportunity for the exchange of opinions. The mutual respect between these two giants of science was resolute enough to survive their disagreement on the evolution of the species. Darwin's views on the natural evolution of species conflicted with Dana's belief that science and its laws provided a rational basis for belief in a higher being. Dana's scientific mind left him open to new theories and displays of evidence, however, which permitted Dana to ultimately accept a tacit theory of evolution that acknowledged the presence of both science and religion.

Other men of science who corresponded with Dana shared personal and professional opinions. Louis Agassiz, the Swiss naturalist, arrived in the United States in 1846 and by 1847 he met Dana, Professor Benjamin Silliman, and Benjamin Silliman, Jr. Agassiz wrote Dana frequently from 1847–73, and twenty-six letters have survived. The letters depict the two men immersed in the scientific study of animal life and its evolution. Dana's struggle with his religious and scientific self weighed heavily upon him, and it is no small compliment that Agassiz wrote, "I, and we all, are greatly indebted to you for fighting so earnestly the cause of an independence versus clerical arrogance. No one can do it as effectively as you."

Arnold Guyot, the geologist, and Dana were also well acquainted. Dana's fifth child was named for Guyot, and the two men frequently exchanged family news along with periodic accounts of research and writing in progress. Sir Archibald Geikie, another respected geologist, shared his professional insights with Dana and praised Dana's work on New England's metamorphic rock. Letters from Asa Gray, the renowned botanist who convinced Dana to undertake the investigation of the Pacific Ocean as a member of the U.S. Exploring Expedition, 1838–42, reveal a warm, personal relationship as well as a great mutual respect.

Dana corresponded with several other scientific, academic, and political leaders, including Jons Jacob Berzelius, William E. Gladstone, A. V. Humboldt, Thomas

Henry Huxley, John W. Judd, Charles Lyell, Henri Milne-Edwards, Samuel F. B. Morse, John Tyndall, and Robert C. Winthrop.

Letters with family members and friends provide an excellent insight into the personal life and the blossoming scientific career of Dana. Family correspondence includes letters with parents James and Harriet Dwight Dana, wife Henrietta Silliman Dana, and siblings George Strong Dana, Harriet Dwight Dana Jones, Cornelia Elizabeth Dana, John White Dana, and William Buck Dana. Letters with Dana's children include those of Edward Salisbury Dana, whose other papers are arranged in Series II. Letters and a photostatic copy of a journal of Richard Henry Dana, Jr., author of *Two Years before the Mast* and an expert on international law, are also arranged here.

In 1833, Dana secured an appointment as schoolmaster on the navy ship *Delaware*. This position gave Dana the unique opportunity to undertake scientific observations on a two-year voyage to the Mediterranean. Letters with Henry E. Ballard, captain of the *Delaware*, and Edward Herrick document Dana's successful attempt to secure this appointment. The voyage was important to Dana's scientific and personal development. In several letters to family and friends, Dana wrote of his loneliness, his impressions of naval life, the customs of foreign peoples, and the scientific wonders he encountered.

Dana's return to the United States, and to Yale, brought him back to a cadre of supportive and sympathetic colleagues, including Benjamin Silliman, Silliman, Jr., and Edward Herrick. Dana was pressured by family members to

forsake his scientific career. He had yet to achieve any financial independence, and the immediate prospects were not encouraging. Dana openly debated the prospect of a career change to law, medicine, or the family hardware business, but these held none of the allure of scientific research, and he decided to continue his academic work.

Dana remained at Yale, immersing himself in studies, Silliman's lectures, and his own writings. He began to write his most widely recognized work, published in May 1837, as the *System of Mineralogy: Including an Extended Treatise on Crystallography*. The quality and quantity of Dana's work during this period established him as a leading scientific figure in America. An opportunity to participate in the nation's first major scientific expedition was one reward.

The long debated and much delayed U.S. Exploring Expedition, 1838–42, received government funding, and, in 1837, Dana accepted the appointment as geologist and mineralogist on the expedition. The voyage included stops at the Azores, Brazil, around Cape Horn to Valparaiso, Chile, west to Fiji, Australia, and the Antarctic continent, back to Australia, the Hawaiian Islands, the Columbia River in Oregon Territory, south to San Francisco, back to Hawaii, west to the Philippines, around Africa, and across the Atlantic to New York. Dana's notebooks and writings from this expedition are arranged in appropriate sections of this series. Correspondence relating to the expedition includes letters between Dana and the commander of the expedition, Lieutenant Charles Wilkes. This correspondence details the progress and complications Dana encountered with Wilkes

in publishing the reports, observations, and documents of the expedition.

Correspondence with family provides a probing view into Dana's thoughts and activities on this subject. His participation on the expedition cemented his professional credentials and proved the foundation for his research, writing, and teaching for the rest of his life. Letters to his parents, family, and friends are replete with observations on the presence and work of missionaries in distant lands. Statements of a more scientific degree, such as his exploration of Hawaiian volcanoes are included almost as an afterthought. Dana chose to detail his scientific observations in writings and letters to scientific colleagues.

The return of the expedition in 1842 was unheralded. Dana began to publish a significant body of work relating to the voyage and encountered difficulties with Wilkes. The governmental and scientific debate over the content, expense, and distribution of publications relating to the expedition delayed the appearance of Dana's *Report on Zoophytes* until May 1846.

Correspondence from the mid-1840s until Dana's death in 1895 concentrates on the professional activities of Dana as editor of the *American Journal of Science* and Silliman Professor of Natural History (1850–64) and Silliman Professor of Geology and Mineralogy (1864–94). Letters relating to the many awards and certificates of honor Dana received during his professional career are organized in this section.

Letters from his son, Edward Salisbury Dana, who also carved out an impressive career in natural history and

geology at Yale, are quite similar to those Dana wrote his own father in the 1830s. Edward studied both at Yale and in Heidelberg and Vienna in the 1870s, and he reported diligently on the financial dilemmas of college life. Other correspondents of interest include Robert Bakewell, a New Haven friend; Auguste Daubrée, from the Ecole Impériale des Mines in Paris; Timothy Dwight, president of Yale University; Benjamin Silliman and son; and William Graham Sumner.

Section 2: Lectures, Notebooks, and Miscellanea, arranged alphabetically by type, contains the teaching materials, scientific observations, and personal ephemera of James Dwight Dana. **Lectures** includes a series of eight discourses on the topic of evolution delivered in the classroom between 1870 and 1890. These handwritten lectures include sporadic notes on the number of lectures given in particular years and the time required to recite various texts. A printed catalog of these lectures dated 1883 is contained in the initial folder (folder 119) and lists such topics as “Relation of Theories of Evolution to Theism” and “Origin of Species.”

Another group of lectures is organized under the heading “Geology,” and contains six lectures dated ca. 1859–64. These lengthy and frequently annotated talks include a final lecture, number XXX, present only in fragments. Notes from Dana’s inaugural lecture, delivered as Dana assumed the burden of geology lectures from his mentor and father-in-law Benjamin Silliman, are arranged in this section (folder 129). The lecture was presented on February 18, 1856.

Notebooks consists of Dana's scientific field notes. Volumes from the U.S. Exploring Expedition, 1838–42, are arranged in boxes six through ten. Three volumes relating to crustacea are in bound volumes entitled "Sea Notes on Crustacea," Parts I, II, and III (boxes six through eight). These volumes contain Dana's notes on the various orders of crustacea observed in the course of the expedition. Box ten contains three pocket notebooks, in nearly illegible script, on observations at New Zealand, Sandwich Islands, Samoa, and the United States (Oregon) in 1840–41. Box nine contains three volumes of notebooks and illustrations entitled "Memoranda." These items contain illustrations and entries recorded subsequent to the expedition. Dana donated these volumes to Yale's Peabody Museum in 1869. A second group of notebooks (folders 135–38) contain geological observations of the New England and New York regions from 1869–84. These numbered volumes (II–V; VII–XVII) focus on specific areas within the northeast region. An index to volumes II–V is present.

A final notebook, with entries begun in July 1887, records Dana's thoughts and observations as he returned to Hawaii to view the mildly resurgent volcano, Mt. Loa. Sketches of the terrain illustrate portions of this text.

Miscellanea contains Dana's personal account book with entries from 1842 to 1848. Expenses for travel, postage, and goods are included, as are periodic payments from individuals for loans and Dana's passport. Miscellaneous notes and drawings (folders 144–46) contain a variety of notes, sketches, maps, and data relating to

Dana's scientific work, including his Mediterranean expedition, 1833–34, and the U.S. Exploring Expedition, 1838–42. Several sketches and drawings, believed to be created by Dana, are arranged here.

Section 3: Writings and Printed Material, arranged by type and chronologically within each subsection, contains only a portion of the published literature produced by Dana. A handwritten draft of the bibliography for the first edition of *System of Mineralogy* is arranged in box thirteen. **Printed Material** includes both published articles authored by Dana between 1836–94 and two volumes of geological maps on which Dana sketched many scientific observations.

Series II, EDWARD SALISBURY DANA, consists of the papers of the son of James Dwight Dana. This series is arranged in three sections: 1) **Correspondence**, 2) **Printed Materials**, and 3) **Miscellanea**.

Section 1: Correspondence, arranged alphabetically by individual, includes family letters with mother Henrietta Silliman Dana and brother Arnold Guyot Dana. Letters with his father are arranged in Series I. Family letters occasionally include letters from the younger Dana, while professional correspondence is limited to routine incoming correspondence.

Edward's letters to his mother (folders 200–04) date from May 1872 to September 1875, thus corresponding to his years of study in Heidelberg and Vienna. A remarkably consistent letter per week was dispatched to his mother. Detailed accounts of Dana's European travels, the educational opportunities available to him, and requests for financial help are characteristic components of these letters.

Letters to his brother Arnold are those of an older brother revealing some of the interesting activities of life in Europe.

Section 2: Printed Material, contains a group of German pamphlets, 1872–73, and miscellaneous items.

Section 3: Miscellanea, includes a personal account book of expenses, 1872–74, with loose pages, and an 1875 diary detailing Dana's activities as a member of the Ludlow expedition to Yellowstone National Park. Two other journals arranged here include an 1881 account of a canoe trip, part of a summer's journey along the coast of British Columbia, and a retrospective essay on the same trip, a short time after its conclusion.

Series III, JAMES DANA, contains material relating to the father of James Dwight Dana and grandfather of Edward Salisbury Dana. This series consists of an account book kept by James Dana for the family hardware business in Utica, New York. Entries run from September 1814 to September 1818. Correspondence of James Dana with his son, James Dwight Dana, is arranged in Series I.

Series IV, MARIA TRUMBULL DANA, arranged alphabetically by type of material, contains a small quantity of correspondence, articles, and clippings from the youngest child of James Dwight Dana. These materials consist entirely of photocopies; the originals remain in the possession of Mrs. Philip English, who is the daughter of Arnold B. Dana and granddaughter of James D. Dana. Material in this series relates primarily to the life of James Dwight Dana. Correspondence includes several letters written to Maria's mother Harriet Silliman Dana, on the occasion of the death of James Dwight Dana in 1895. Articles by

Maria T. Dana include a description of the U.S. Exploring Expedition, 1838–1842, with research materials and typed excerpts from Dana's letters, and a review of Hillhouse Avenue, the well-known New Haven Street where the Dana family resided for several years. Clippings include newspaper accounts of James Dwight Dana's 1877 voyage to Hawaii and several reviews of Daniel Coit Gilman's *The Life of James Dwight Dana*.

The Dana Family Papers were donated to Yale University by Maria Trumbull Dana in 1936 and 1952, and by Mrs. Philip English in 1976. The University's Peabody Museum also donated a portion of Dana's notebooks to the collection.

Roll Contents

| Series I | | | JAMES DWIGHT DANA | |
|-----------------------|-----|--------|--|---------------|
| Reel | Box | Folder | | |
| No. | No. | No. | | |
| Correspondence | | | | |
| 1 | 1 | 1 | Abich, Herrman | 1867 |
| | | | Achiardi, Antonio d' | 1875; 1881 |
| | | 2 | Agassiz, Alexander | 1864-92 |
| | | 3 | *Agassiz, Louis | 1847-73, n.d. |
| | | 4 | <i>American Journal of Science</i> | 1850, 1878-79 |
| | | 5 | Andrews, Ebenezer B. | 1855-56 |
| | | | Anstead, David | |
| | | | Thomas | 1847-48 |
| | | | Austin, B. W. | 1885 |
| | | 6-8 | *Awards and Certificates | 1831-95, n.d. |
| | | | See also: box 20 | |
| | | 9 | Bache, Alexander | |
| | | | Dallas | 1859; 1863 |

*Folders marked with an asterisk contain ten or more items.

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|-----------------------|------------|
| 1 | 1 | 9 | Bailey, Jacob | |
| | | (cont.) | Whitman | 1856 |
| | | | Bailey, Loring Woart | 1895 |
| | | | Baird, N. | 1850 |
| | | | Baird, William | n.d. |
| | | 10 | Bakewell, Robert | 1839-41 |
| | | 11 | Ballard, Henry E. | 1833 |
| | | 12 | Bancroft, George | 1876 |
| | | | Barnard, James N. | 1862 |
| | | | Barrande, _____ | 1856; 1863 |
| | | | Barratt, Joseph | 1865 |
| | | 13 | Barrois, Charles | 1888, n.d. |
| | | | Bartlett, Charles | n.d. |
| | | | Bawerbank, J. | 1848 |
| | | | Bechi, Emile | 1852 |
| | | | Bell, Thomas | 1855 |
| | | 14 | Benton, Thomas Hart | 1849 |
| | | 15 | Berzelius, Jons-Jacob | 1836; 1844 |
| | | 16 | Billings, E. | 1871 |
| | | | Binney, Amos | 1846 |
| | | | Blonford, William | |
| | | | Thomas | 1887 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|--------------------------------------|------------|
| 1 | 1 | 16 | Boeckh, _____ | 1856 |
| | | (cont.) | Bond, G. P. | 1856 |
| | | | Bond, William Cranch | 1851 |
| | | | Bonney, Thomas George | 1884 |
| | | 17 | Boston Society of Natural History | 1892 |
| | | 18 | Brogniart, Charles | 1886 |
| | | | Bronn, Heinrich George | 1885; 1860 |
| | | | Brullé, Gaspard Auguste | 1853 |
| | | 19 | Buck, (Mrs.) William I. | 1837 |
| | | 20 | Campbell, H. D. | 1893 |
| | | | Candee, John D. | 1875 |
| | | | Capellini, J. | 1887 |
| | | | Carruth, James Harrison | 1888 |
| | | | Carus, J. Victor | 1879 |
| | | 21 | Caswell, A. | 1856 |
| | | | Chace, George Ides | 1856; 1875 |
| | | | Chapin, James H. | 1880 |
| | | | Clarke, William B. | 1857 |

| Reel No. | Box No. | Folder No. | | |
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| 1 | 1 | 21 | Clingman, T. L. | 1856 |
| | | | (cont.) | |
| | | 22 | Clippings— [Silliman; Dana] | n.d. |
| | | 23 | Clochi, Iginio | 1871–89 |
| | | | Croll, James | 1876 |
| | | | Conant, C. B. | 1835 |
| | | 24 | Dall, W. | 1888 |
| | | | Dalyell, John Graham | 1846–48 |
| | | | Damour, A. | 1868 |
| | | 25 | Dana Charles Anderson | 1871–91 |
| | | 26 | Dana, Cornelia Elizabeth | 1840–43 |
| | | 27–28 | *Dana, Edward S. | 1872–92, n.d. |
| | | 29 | *Dana, George Strong | 1834–39 |
| | | 30 | *Dana, Harriet Dwight | 1833–52 |
| | | 31 | Dana, Henrietta Silliman | 1896 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|------------------------------|---------------|
| 1 | 1 | 32-33 | *Dana, James | 1805-44 |
| | | | *Dana, James Dwight | 1894 |
| | | 34 | Wedding anniversary, 50th | 1894 |
| | | 35 | Miscellaneous | 1833-95, n.d. |
| | | 36 | Sketches | n.d. |
| | | 37 | Dana, James Freeman | n.d. |
| | | 38 | Dana, John White | 1833-40 |
| | | | Dana, Richard Henry, Jr. | |
| | | 39 | Correspondence | 1856-76 |
| | | 40 | Journal: photostat | 1815-33 |
| | | 41 | Dana, Sam L. (?) | n.d. |
| | | 42 | Dana, William Buck | 1840 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|--|------------------------------------|
| 2 | 2 | 43-44 | *Darwin, Charles | 1849-53; 1856-63; 1896, n.d. |
| | | 45 | Darwin, Francis | 1896 |
| | | 46 | Daubrée, Auguste | 1864-95 |
| | | 47 | Davis, Charles Henry | 1852-59 |
| | | | Davis, E. C. | 1875 |
| | | | Davison, Charles | 1888-94 |
| | | | Dawkins, William Boyd | 1881 |
| | | | Dawson, George M. | 1893 |
| | | | Dawson, John William | 1856, 1880 |
| | | 48 | Deane, James | 1856 |
| | | | DeCandolle, Alphonse | 1875 |
| | | | Dellay, James E. | 1846 |
| | | | Delafield, Joseph | 1856 |
| | | | Delesse, Achille Ernest and Oscar Joseph | 1869-93 |
| | | | Delgado, Joaquina | 1887 |
| | | 49 | Derby, Orville A. | 1881 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|----------------------|------------|
| 2 | 2 | 49 | Descloizeaux, Alfred | |
| | | (cont.) | Louis | 1863-69 |
| | | | Dewalque, G. | 1881 |
| | | | Dewey, Chester | 1864 |
| | | | Diller, J. S. | 1876-77 |
| | | 50 | Dohrn, Anton | 1872, 1881 |
| | | | Domeyko, Ignace | 1861 |
| | | | Draper, Henry | 1880 |
| | | | Draper, John W. | 1876 |
| | | | Drayton, John | 1841-53 |
| | | | Dulton, Clarence | |
| | | | Edward | 1841-53 |
| | | 51 | Dwight, Timothy | 1891-94 |
| | | 52 | Ehrenberg, Christian | |
| | | | Gottfied | 1851 |
| | | | Ellis, George A. | 1875 |
| | | | Emerson, Benjamin | |
| | | | Kendall | n.d. |
| | | | Encke, Johann Franz | 1858 |
| | | | Erdmann, Edvard | 1879 |
| | | | Erenbeck, _____ | 1857 |
| | | | Etheridge, Robert | 1879 |
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| | | | Forbes, James David | 1866 |

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| 2 | 2 | 53 | Forehammer, Johann | |
| | | (cont.) | George | 1855 |
| | | | Forel, F. A. | 1892 |
| | | | Fouqué, Ferdinand | |
| | | | Andre | 1887, n.d. |
| | | | Frenzel, August | 1875 |
| | | | Fuchs, Th. | 1885 |
| | | 54 | Gabb, William More | 1875 |
| | | | Gramble, William | 1849 |
| | | | Gardiner, _____ | 1873 |
| | | | Gegenbauer, _____ | 1869 |
| | | | Geikie, Archibald | 1880–89 |
| | | | Geikie, James | 1879–84 |
| | | 55 | Geinitz, Hanns Bruno | 1855–89 |
| | | | Genth, Frederick | |
| | | | Augustus | 1856 |
| | | | Giebel, C. | 1852 |
| | | | Gillis, James Melville | 1836–36 |
| | | | Gilman, Daniel C. | 1853 |
| | | 56 | Gladstone, William E. | 1885–86, n.d. |
| | | 57 | Goodall, George | |
| | | | Lincoln | 1892 |
| | | 58 | Gould, Augustus | |
| | | | Addison | 1853–57 |

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| | | (cont.) | Apthorp | 1856-84 |
| | | | Gould, John | 1857 |
| | | 59 | *Gray, Asa | 1833-86 |
| | | 60 | Groth, Paul Heinrich | 1876(?) |
| | | 61 | *Guyot, Arnold | 1856-81 |
| | | 62 | Haidinger, Wilhelm | |
| | | | Karl | 1854-59 |
| | | | Haldeman, Samuel | |
| | | | Steman | 1846, 1865 |
| | | | Hall, James | 1846-55 |
| | | | Hamilton, William J. | 1848-49 |
| | | | Harkness, William | 1881 |
| | | | Harris, Thaddeus | |
| | | | William | 1855 |
| | | 63 | Harvard Quinquennial Catalogue | 1890 |
| | | 64 | Haughton, Samuel | 1867, 1883 |
| | | | Hayes, Augustus | |
| | | | Allen | 1854, n.d. |
| | | | Hayes, Isaac Israel | 1858 |

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| 2 | 2 | 64 | Heddle, M. F. | 1878 |
| | | (cont.) | Hemery, Franz von | 1885 |
| | | | Hennessy, Henry | 1881 |
| | | 65 | Henry, Joseph | 1855-74 |
| | | | Herrick, Edward Claudius | 1833 |
| | | | Hessenberg, Friedrich | 1868 |
| | | | Hewitt, Abram Stevens | 1872 |
| | | | Higgins, William | n.d. |
| | | | Hildreth, Samuel Prescott | 1855 |
| | | | Hilgard, _____ | 1887 |
| | | | Hill, Robert T. | 1894 |
| | | | Hills, R. C. | 1892 |
| | | | Hinde, George | 1889 |
| | | 66 | Hitchcock, C. H. | 1883 |
| | | | Hitchcock, Edward | 1845-62 |
| | | | Hooker, Sir Joseph | 1877-78 |
| | | 67 | Hubbard, Faith Silliman | 1843 |
| | | 68 | Hugard | n.d. |
| | | | Hull, Edward | 1889 |
| | | | Humboldt, A. V. | 1856 |

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| 2 | 2 | 68 | Humphreys, A. A. | 1881 |
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| | | 69 | Hunt, Edward Bissell | 1856–58 |
| | | | Hunt, T. Sterry | 1887 |
| | | | Huxley, Thomas | |
| | | | Henry | 1869 |
| | | | Hyatt, Alpheus | 1870, n.d. |
| | | 70 | Jackson, C. T. | 1848 |
| | | | Jager, Georg | |
| | | | Friedrich | 1854 |
| | | | Jones, George | 1852–57 |
| | | 71 | Jones, Harriet D. | |
| | | | Dana | 1833–49 |
| | | 72 | Joy, Charles A. | 1856 |
| | | | Judd, John W. | 1882–91 |
| | | | Jukes, J. Beete | 1863 |
| | | 73 | Kane, John Kintzing | 1858 |
| | | | Kayser, E. | 1891 |
| | | | Kenngott, Adolf | 1855 |
| | | | Keyserling, Alexander | |
| | | | Friedrich, Henry | 1850 |
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| 2 | 2 | 74 | Kirkwood, Daniel | 1850–51 |
| | | | Kokscharow, Nikolai Ivanovich | 1853–56, n.d. |
| | | | Konineck, L. | 1852–55 |
| | | | Kopp, Hermann | 1857 |
| | | | Koto, B. | 1887 |
| | | | Kraup, _____ | 1854 |
| | | 75 | Lane, John H. | 1852 |
| | | | Lapparent, Albert de | 1881 |
| | | | Lapworth, Charles | 1889 |
| | | | Ladrey, _____ | 1854–58 |
| | | | Lawrence, J. | 1846 |
| | | | Lea, Isaac | 1863 |
| | | | Lehmann, Richard | 1879 |
| | | | Leidy, Joseph | 1863 |
| | | | Leonhard, Gustav | 1845–52 |
| | | 76 | Lesley, John Peter | 1889–92 |
| | | | Lesquereux, Leo | 1886–89 |
| | | | Lettsom, W. G. | 1857–1874 |
| | | | Leverett, Frank | 1895 |
| | | | Levy, Armand | 1840 |
| | | | Lewis, Tayler | 1871 |
| | | | Lieber, Francis | 1857 |
| | | | Liebig, Justus | 1859 |

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| 2 | 2 | 77 | Lockyer, Joseph | |
| | | | Norman | 1865 |
| | | | Logan, William E. | 1872 |
| | | | Lonsdale, William | 1846—49 |
| | | | Loven, Sven | 1873 |
| | | | Lovering, Joseph | 1856 |
| | | | Lowell, J. A. | 1853 |
| | | | Lubbock, J. | 1854, n.d. |
| | | | Lundbohm, Hjalmar | 1889 |
| | | | Lyell, Charles | 1852, 1863 |
| | | 78 | McCoy, Frederick | 1844—47 |
| | | | McColloh, R. S. | 1856 |
| | | | Macgowan, _____ | 1854 |
| | | | Mackie, James G. | 1858 |
| | | | Mallet, Robert | 1873—75 |
| | | | Mann, Johannes G. de | 1887 |
| | | | Mantell, Gideon | |
| | | | Algernon | 1846 |
| | | | Margeric, | |
| | | | Emmanuelde | 1888 |
| | | | Marignac, Jean | |
| | | | Charles Galissard de | 1865 |
| | | | Marsh, George | |
| | | | Perkins | 1846—48 |
| | | 79 | Maskelyne, Nevil S. | 1868, 1875 |
| | | | Mayer, Alfred | |
| | | | Marshall | 1873 |

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| 2 | 2 | 79 | Meek, Fielding | |
| | | (cont.) | Bradford | 1860-73 |
| | | | Meneghini, Joseph (Guiseppe) | 1852-81 |
| | | | Merriam, G. & C. | 1864 |
| | | 80 | Merris Pack Bros. | 13 Apr 1895 |
| | | 81 | Metcalf, L. S. | 1887 |
| | | | Michelin, Hardovin | 1846 |
| | | | Miller, William H. | 1868 |
| | | | Milne-Edwards, Alphonse | 1888 |
| | | | Milne-Edwards, Henri | 1843-47 |
| | | 82 | Miscellaneous | |
| | | 83 | Mitchell, Donald G. | 1884, n.d. |
| | | | Mitchell, Maria | 1871 |
| | | | Mobius, Karl | 1879 |
| | | | Moigno, Abbé Francois N. | 1846 |
| | | | Morris, John | 1843-45 |
| | | | Morse, Edward Sylvester | 1870 |

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|-------------|---------------------|---------------|---------------------|--------------------|---------------|
| 2 | 2 | 84 | Morse, Samuel | | |
| | | | Finley Breeze | 1856 | |
| | | | Morton, Samuel | | |
| | | | George | 1850, 1857 | |
| | | | Mudge, Benjamin | | |
| | | | Franklin | 1879 | |
| | | | Muller, Johann | 1854 | |
| | | | Murchison, Roderick | | |
| | | | Impey | 1856–63, n.d. | |
| | | | Murray, Alexander | 1882–83 | |
| 2 | 3 | 85 | Nelson, Richard J. | 1872 | |
| | | | | | |
| | | | 86 | Nickles, Jerome | 1852–67, n.d. |
| | | | | | |
| | | | 87 | Norpé, H. de | 1887 |
| | | | | Nordenskiöld, Nils | |
| | | | | Adolf Erik | 1865–68 |
| | Norton, John Pitkin | 1852 | | | |
| | Norton, John | | | | |
| | | Treadwell | 1858 | | |
| 3 | 3 | 88 | Orbigny, Alcide | | |
| | | | Dessalines de | 1846 | |
| | | | Ord, George | 1849 | |
| | | | Owen, David D. | 1854 | |
| | | | Owen, George | 1882 | |
| | | | Owen, Richard | 1864 | |
| | | | Owen, Sir Richard | 1863 | |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|--------------------------|---------|
| 3 | 3 | 89 | Paine, Robert Treat | 1865 |
| | | | Pallesina, _____ | 1886 |
| | | 90 | Palmer, J. C. | 1840-42 |
| | | 91 | Park, Edwardo Amasa | 1855-57 |
| | | | Paykull, C. W. | 1867 |
| | | | Peirce, Benjamin | 1851-78 |
| | | | Peirce, Charles | |
| | | | Santiago Sanders | 1885 |
| | | | Perry, Alexis | 1853-61 |
| | | 92 | Petermann, August | 1876 |
| | | | Phillips, John Arthur | 1867 |
| | | | Phillips, Wendell | 1857 |
| | | | <i>Philosophical</i> | |
| | | | <i>Magazine</i> | 1855 |
| | | | Pickering, Charles | 1850-72 |
| | | 93 | Piddington, (William?) | 1855 |
| | | | Pierrepoint, Edwards | 1877-78 |
| | | | Pierson, S. | 1875-77 |
| | | | Poey, Felipe | 1888 |
| | | | Poggendorf, Johann C. | 1853 |
| | | 94 | Portales, Louis F. | 1871-78 |
| | | | Prestwich, Joseph | 1878-86 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|---------------------------------------|---------|
| 3 | 3 | 94 | Prevost, Constant | 1847 |
| | | (cont.) | Prince, Dr. | 1879 |
| | | | Quatrefages de Bréau, Armand de | 1846 |
| | | | Quetelet, Lambert- Adolphe Jacques | 1851-66 |
| | | 95 | Rammelsberg, Karl Friedrich | 1851 |
| | | | Ramsay, Andrew Crombie | 1858-63 |
| | | | Reade, T. Millard | 1885 |
| | | | Reichenbach, Karl | n.d. |
| | | | Renand, Charles | 1870 |
| | | 96 | Renevier, Eugène | 1881 |
| | | | Reusch, Hans | 1887 |
| | | | Reynolds, J. Emerson | 1876 |
| | | | Rice, William North | 1881-82 |
| | | | Ringgold, Cadwalader | 1852 |
| | | 97 | Rogers, Henry Darwin | 1853 |
| | | | Rogers, William Bartin | 1862-85 |
| | | | Rosé, W. | 1844-45 |
| | | | Rowland, _____ | 1879 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|---|------------|
| 3 | 3 | 97 | Royal Institution of (cont.) Great Britain | 1891 |
| | | | Russel, J. C. | 1893 |
| | | 98 | Salisbury, Edward E. | 1846 |
| | | | Saussure, Henri Louis | |
| | | | Frederic de | 1857-60 |
| | | | Sawkins, James G. | 1854-57 |
| | | | Scacchi, A. | 1846, 1883 |
| | | | Scheerer, Th. | 1850 |
| | | 99 | Schiaperelli, _____ | 1889 |
| | | | Schonbein, Christian | |
| | | | Friedrich | 1854 |
| | | | Schrauf, Albrecht | 1871 |
| | | | Slater, Philip Lutley | 1875 |
| | | 100 | Scott, William | |
| | | | Benjamin | 1894 |
| | | 101 | Scudder, Samuel | |
| | | | Hubbard | 1864-94 |
| | | | Sedgewick, Adam | 1847 |
| | | | Sella, Quintino | 1861 |
| | | | Selwyn, Alfred | |
| | | | Richard Cecil | 1871-92 |
| | | | Seward, William | |
| | | | Henry | 1855 |

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| 3 | 3 | 101 | Shelley, Samuel T. | 1869 |
| | | | (cont.) | |
| | | 102 | *Silliman, Benjamin | 1834-56 |
| | | 103 | Silliman, Benjamin Jr. | 1855; 1859 |
| | | 104 | Silliman, Carrie R. | n.d. |
| | | 105 | Silvestri, Horace | 1888 |
| | | | Somerville, Mary | |
| | | | Fairfax | 1860 |
| | | | Spring, Walter Victor | 1888 |
| | | | Stanton, Timothy | |
| | | | William | 1894-95 |
| | | 106 | Steenstrup, Johannes | |
| | | | Japetus Smith | 1868 |
| | | | Stevens, Henry | 1869-70 |
| | | | Stevenson, J. | 1891 |
| | | | Stimpson, William | 1852-55 |
| | | | Suess, Edward | 1874-87 |
| | | | Sumner, William | |
| | | | Graham | 1893 |
| | | | Swedish Geological | |
| | | | Society | 1883 |
| | | | Szabo, Jozsef | 1882 |
| | | 107 | Tanbini, _____ | 1877 |

| Reel No. | Box No. | Folder No. | | |
|----------|---------|------------|---------------------------|------------|
| 3 | 3 | 107 | Teall, Jethro, Justinian | |
| | | (cont.) | Harri | 1888 |
| | | | Thacher, Thomas | |
| | | | Anthony | 1869 |
| | | | Thompson, W. | 1846 |
| | | | Thomson, James | 1874-84 |
| | | | Torell, Otto | 1876 |
| | | | Trumbull, James | |
| | | | Hammond | 1883 |
| | | | Tyndall, John | 1873 |
| | | 108 | Unidentified | n.d. |
| | | 109 | Upham, Warren | 1891 |
| | | | Vattemare, Alexandre | n.d. |
| | | | Verneuil, Edouard | 1848, n.d. |
| | | | Volpicelli, Paolo | 1877 |
| | | 110 | vom Rath, Gerhard | 1868-87 |
| | | | von Decken, H. | 1885 |
| | | | von Kobell, _____ | 1855 |
| | | | von Schlagintweit- | |
| | | | Sakunlunski, Hermann | |
| | | | Rudolf Alfred | 1852-55 |
| | | | von Tichermach (?), _____ | 1876-77 |
| | | 111 | Wadsworth, Daniel | 1848 |
| | | | Walcott, Charles D. | 1895 |
| | | | Wallace, (Alfred R.?) | 1876 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|----------------------------------|---------------|
| 3 | 3 | 111 | Walsh, Benjamin D. | 1865 |
| | | (cont.) | Waltershausen, W. | 1853 |
| | | | Warren, Gouverneur, Kemble | 1876 |
| | | | Warren, John Collins | 1853 |
| | | 112 | Westerman Brothers, G. and B. | 1850 |
| | | | Westwood, John O. | 1837 |
| | | | Wharton, D. | 1888–89 |
| | | | White, Israel Charles | 1892 |
| | | | Whitfield, Robert Parr | 1894 |
| | | | Whitney, Josiah Dwight | 1862 |
| | | 113 | Wilkes, Charles | 1840–46, n.d. |
| | | 114 | Williamson, | 1855 |
| | | | Williston, Samuel Wendell | 1894 |
| | | | Wilson, Henry | 1863 |
| | | | Wilson, Jacob | 1858 |
| | | 115 | Wing, Augustus | 1867–77 |
| 4 | 3 | 116 | Winthrop, Robert C. | 1869–78 |
| | | 117 | Wohler, Friedrich | 1875 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|-----------------------|---------|
| 4 | 3 | 117 | Woeikof, Alexander | 1886 |
| | | (cont.) | Woodhull, Alfred | |
| | | | Alexander | 1872 |
| | | | Woodward, Henry | 1866–74 |
| | | | Wurtz, Charles | |
| | | | Adolph | 1852 |
| | | | Wyman, Jeffries | 1845–63 |
| | | 118 | Yale Alumni | |
| | | | Association of | |
| | | | New York | 1895 |
| | | | Yale College, Class | |
| | | | of 1856 | 1856 |
| | | | Yale University, | |
| | | | President and Fellows | |
| | | | of | 1893 |

Lectures, notebooks, and miscellanea

Lectures

| | | | | |
|---|---|-----|----------------|---------------|
| 4 | 4 | 119 | Evolution: I | [ca. 1870–90] |
| | | 120 | Evolution: II | [ca. 1870–90] |
| | | 121 | Evolution: III | [ca. 1870–90] |
| | | 122 | Evolution: IV | [ca. 1870–90] |
| | | 123 | Evolution: V | [ca. 1870–90] |

| Reel No. | Box No. | Folder No. | | |
|----------|---------|------------|---|---------------|
| 4 | 4 | 124 | Evolution: VI | [ca. 1870–90] |
| | | 125 | Evolution: VII | [ca. 1870–90] |
| | | 126 | Evolution: VIII | [ca. 1870–90] |
| | | | Geology: notes | |
| | | 127 | “Water”, XXIII “Ocean”, XXIV | [ca. 1859–64] |
| | | 128 | “Fire or Heat”, XXV “Solidification and Crystallization of Rocks,” XXVII | [ca. 1859–64] |
| 4 | 5 | 129 | “The Contraction of the Globe as a Consequence of Cooling,” XXVIII | [ca. 1859–64] |
| | | | “Summary and Cosmology”, XXX | [ca. 1859-64] |
| | | 130 | Inaugural: notes | 1856 Feb 18 |

Reel Box Folder
No. No. No.

Notebooks

United States Exploring Expedition
"Sea Notes on Crustacea"

| | | | |
|---|----|-----|---|
| 5 | 6 | 131 | Part I: A. Orders <i>Decapoda</i> and <i>Schizopoda</i> 1838-42 |
| 5 | 7 | 132 | Part II: B. Orders <i>Amphipoda</i> <i>Isopoda</i> , and <i>Lamipoda</i> 1838-42 |
| 5 | 8 | 133 | Part III: C. Order <i>Entomastrea</i> 1838-42 |
| 5 | 9 | | Memoranda on Crustacea, Vols. I-III (presented to Peabody Museum, Yale University, 1869) n.d. |
| 6 | 10 | 134 | New Zealand, Sandwich Islands, Samoa, United States (Oregon) 1840-41 |

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|--|------------------------|
| | | | United States: General New England and New York | |
| 6 | 10 | 135 | No. II–V; index | [ca. 1869–1872 Nov] |
| | | 136 | No. VII–X | 1874 Nov. –1877 Oct |
| 7 | 10 | 137 | No. XI–XIV | 1878 Aug –1881 Jun |
| | | 138 | No. XV–XVII | 1882 Jul –1884 May |
| | | 139 | San Francisco and Honolulu | 1887 Jul |
| | | | United States: Miscellaneous | |
| 7 | 11 | 140 | New Haven region | 1879 Jun- 1880 Apr |
| | | 141 | Unidentified | n.d. |

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Miscellanea

| | | | | |
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| 7 | 12 | 142 | Account books | 1842–48; 1844–50 and 1899–1901 |
| | | 143 | Notes and drawings | n.d. |
| 7, 8 | 13 | 144– 45 | Notes and drawings | n.d. |
| | | 146 | Passport | n.d. |

Writings and printed material

Writings

| | | | |
|---|----|-----|--|
| 8 | 14 | 147 | Bibliography: “Systems of Mineralogy” |
|---|----|-----|--|

Printed material

Maps

| | | | | |
|---|----|-----|---|------|
| 8 | 18 | | “Geological Notes on Town-Maps of Berkshire Co., Mass.” by James D. Dana | n.d. |
| 8 | 19 | 147 | “Geological Notes on Town-Maps of | |

| Reel No. | Box No. | Folder No. | |
|-------------|------------|---------------|--|
| 8 | 19 | | Westchester Co., N.Y. and Part of Litchfield, Col, Ct.," by James D. Dana n.d. |
| | | | Oversize |
| 8 | 20 | | Awards and certificates Dana, James Dwight 1836–95, n.d. |
| | | | Dana, Edward Salisbury 1872–1934 |

Series II EDWARD SALISBURY DANA

Reel Box Folder

No. No. No.

Correspondence

| | | | | |
|---|----|------------|---|------------------|
| 9 | 21 | 197 | <i>American Journal of Science</i> | 1925 |
| | | 198 | Awards and certificates See also: box 20 | 1874–1929 |
| | | 199 | Dana, Arnold Guyot | 1872–73 |
| | | x-ref | Dana, James Dwight See: Series I, folders 27–28 | |
| | | 200– 04 | *Dana, Henrietta Silliman | 1872 May–1875 |
| | | 205 | DeForest, John Hyde | 1900 |
| | | 206 | Dexter, Franklin B. | 1873–79 |
| | | 207 | Drake Family Pedigree [Silliman] | 1893 |
| | | 208 | Fulton, John: to “Miss Dana” | 1947 |

*Asterisk indicates ten or more items.

| Reel No. | Box No. | Folder No. | | |
|-------------|------------|---------------|--|---------------|
| 9 | 21 | 209 | Geological Society of London | 1888 |
| | | 210 | Green Mountain Club | 1932 |
| | | 211 | Hayden, Fred S. (copy) | 1873 |
| | | 212 | Hillard, H. R. | 1892 |
| | | 213 | Kaiserliche Mineralogische Gesellschaft zu St. Petersburg | 1885 |
| | | 214 | Keogh, _____ | 1921 |
| | | 215 | Litchfield, H. E. | 1918 |
| | | 216 | Miscellaneous | 1872-74, n.d. |
| | | 217 | Nasini, R. | 1901 |
| | | 218 | Panebianco, Ruggero | 1901 |
| | | 219 | Rawson, Edward K. | 1896 |
| | | 220 | Sracchi, A. (?) | 1873 |

| Reel No. | Box No. | Folder No. | |
|-------------|------------|---------------|---------------------------|
| 9 | 21 | 221 | Taft, William Howard 1911 |
| | | 222 | Zittel, Karl Alfred 1901 |

Printed Material

| | | |
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| 223– | German | 1872–73 |
| 24 | | |
| 225 | Miscellaneous | n.d. |

Miscellanea

| | | | | |
|---|----|-----|--|--------------|
| 9 | 22 | 226 | Account Book | 1872–74 |
| | | 227 | Diary | 1875 Jul–Sep |
| | | 228 | Notebook of Canoe trip | 1881 Jul–Aug |
| | | 229 | Account of trip along British Columbia Coast | ca. [1881] |

SERIES III**JAMES DANA**

| Reel | Box | Folder |
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| No. | No. | No. |

| | | |
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| 9 | 23 | |
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| Account Book: | 1814-18 |
| Utica, New York, | |
| store | |

Series IV MARIA TRUMBULL DANA

| Reel No. | Box No. | Folder No. |
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Articles

| | | | | |
|---|----|-----|---|---------------|
| 9 | 24 | 230 | “United States Exploring Expedition, 1838–1842” | n.d. |
| | | 231 | “Hillhouse Avenue” | [ca. 1930–61] |

Clippings

| | | | | |
|--|--|-----|--------------------|---------------------|
| | | 232 | Dana, James Dwight | [ca. 1877– 1910] |
|--|--|-----|--------------------|---------------------|

Correspondence

| | | | | |
|--|--|-----|-------------------------------------|------------|
| | | 233 | General | 1935; 1958 |
| | | 234 | Dana, James Dwight re: his death | 1895 |