

**Materials on the 1887 American Eclipse Expedition to Japan,
located in “The David Peck Todd Papers” and “The Todd-Bingham Picture Collection,”
Manuscripts and Archives, Yale University Library**

Category	Materials (Items not identified as part of <i>The Todd-Bingham Picture Collection</i> are located in <i>The David Peck Todd Papers</i> .)
Correspondence (1886/12–1889/04)	Alvan Clark & Sons to D. P. Todd: Letter (April 15, 1887).
	Arai, I. to D. P. Todd: Letter (Dec. 2, 1887).
	Ashino, K. to W. R. Hitchcock: Letter (Aug. 4, 1887).
	Ashino, K. to D. P. Todd: Letters / Postcard (July 20; Aug. 4, 27, 1887).
	Brashear, J. A. to D.P. Todd: Letters (May ?; June 1, 1887).
	Canadian Pacific Railway Company to D. P. Todd: Letters (May 14, 21; June 6, 16, 27; Nov. 23; Dec. 6, 8, 19, 1887; Feb. 6, 1888).
	Chief Signal Officer to D. P. Todd: Letter (Nov. 21, 1887).
	Comton, N. to D. P. Todd: Letter (June 7; July 1, 9, 1887).
	Copeland, R. to D. P. Todd: Letter (June 21, 1887).
	Davidson, G. to N. Yanagi: Letter (March 1886).
	Dun, E. to D. P. Todd: Letter (Aug. 3, 1887).
	Fasoldt, C. to D. P. Todd: Letters (May 28; June 4, 8; Dec. 24, 1887).
	Floyd, R. S. to D. P. Todd: Letter (April 13, 1887).
	Glasmann, S. P. to D. P. Todd: Letters (Dec. 12, 1886; May 11, 1887).
	Glass, H. to D. P. Todd: Letter (Aug. 23, 1887).
	Greathouse, C. R. to D. P. Todd: Letter (Aug. 12, 1887).
	Hastings, C. S. to D. P. Todd: Letters (May 7, 21, 1887).
	Hitchcock, W. R. to D. P. Todd: Letters (July 14; Aug. 31; Oct. 4; Nov. 1, 1887).
	Holland, W. J. to D. P. Todd: Letters / Postcard / Telegram (April 20, 27; May 14, 21, 26, 27; June 1, 4; July 20, 26; Nov. 16, 25; Dec. 6, 8, 1887; Feb. 14, 29; June 27; Nov. 8, 1888; April 10, 1889).
	Hubbard, R. B. to D. P. Todd: Letters / Telegram (August 19, 25; Nov. 18, 1887).
	Hubbard, R. B. to K. Inoue: Letter (Aug. 25, 1887).
	Huggins, W. to D. P. Todd: Letter (April 28).
	Igarashi, H. to E. Dun: Letter (July 21, 1887).
	Inoue, K. to N. W. Whitney: Letter (Jan. 17, 1888).
	Isawa, S. to D. P. Todd: Letter (Sept. 12, 1887).
	Japan Gazette Office Yokohama to D. P. Todd: Letter (Aug. 16, 1887).
	Kikuchi, D. to D. P. Todd: Letter (July 16, 1887).
	Kikuchi, D. to M. L. Todd: Postcards (July 14, 15, 1887).
	Knipping, E. to D. P. Todd: Letters (July 16; Aug. 30, 1887).
	Kuki, R. to S. Newcomb & D. P. Todd: Letter (May 26, 1887).

Leland, G. A. to D. P. Todd: Letters (April 27; May 5, 15, 1887).
Loomis, E. J. to D. P. Todd: Letters (April 23, 28, 1887).
Loomis, M. A. W. to M. L. Todd: Letter (July 17, 1887).
Lovell, J. L. to D. P. Todd: Letter (May 28, 1887).
McCartee, D. B. to D. P. Todd: Letters (July 22, 26, 30; Aug. 4, 1887).
McCartee, D. B. to W. R. Hitchcock: Letters (Aug. 2, 7, 1887).
Mendenhall, T. C. to S. Newcomb: Letter (May 4, 1887).
Ministry of Communications to W. N. Whitney: Letter (Oct. 1, 1888).
Ministry of War to D. P. Todd: Letter (July 29, 1887).
Montana, B. to D. P. Todd: Letter (April 29, 1887).
Morse, E. S. to S. Newcomb: Letter (received May 6, 1887).
Newcomb, S. to D. P. Todd: Letters /Telegrams (Jan. 17, March 14, 22, 24, 29, April 6, 16, May 7, 13, 14, June 1, 2, 7, 8, 18, Oct. 7, Dec. 8, 1887; Jan. 9, 24, Feb. 4, April 3, 14, May 2, 1888.)
Ogawa, K. to ?: Letter (July 24, 1887).
Palmer, H. S. to D. P. Todd: Letters (Aug. 4, 15, 1887).
Pickering, E. C. to S. Newcomb: Letter (May 22, 1887).
Pickering, E. C. to D. P. Todd: Letters (May 23; Sept. 19, 1887).
Pickering, W. H. to D. P. Todd: Letter (Dec. 8, 1887).
Sawada, G. to D. P. Todd: Postcard (Aug. 22, 1887).
Seelye, J. H. to D. P. Todd: Letter (June 27, 1887).
Seelye, L. C. to D. P. Todd: Letter (June 6, 1887).
Southerland, W. H. H. to D. P. Todd: Letters (July 11, 12, 19, 1887).
Stockbridge, B. L. to M. L. Todd: Letter (July 17, 1887).
Stockbridge, H. E. to D. P. Todd: Letter (July 17, 1887).
Todd, D. P. to Canadian Pacific Railway Company: Letters (May 13; Dec. 17, 1887).
Todd, D. P. to Dana: Letter (Nov. 13, 1888).
Todd, D. P. to W. R. Hitchcock: Letter (Dec. 21, 1887).
Todd, D. P. to W. J. Holland: Letters / Postcard (July 11, 13, 30, 1887).
Todd, D. P. to R. B. Hubbard: Letter (Sept. 12, 1887).
Todd, D. P. to E. J. Loomis: Letters (April 22, June 21, 1887).
Todd, D. P. to O. C. Marsh: Letter (draft) (June 13, 1888).
Todd, D. P. to E. C. Picketing: Telegram (May 23, 1887).
Todd, D. P. to W. H. H. Southerland: Letter / Telegram (July 12, 13, 1887).
Todd, D. P. to M. L. Todd: Letters (July 14, 16, 18?, 1887).
Todd, M. L. to her grandmother: Letter (June 18, 1887).
Todd, M. L. to E. J. Loomis: Letters (June 12, 18, 21; July 7, 8, 18; Aug. 10, 24; Sept. 2, 1887).

	Todd, M. L. to M. A. W. Loomis: Letters (June 8; July 9; Oct. 3, 1887).
	Todd, M. L. to D. P. Todd: Letters (July 14; Sept. 5, 1887).
	Watanabe, H to D. P. Todd & M. L. Todd: Letter (Sept. 11?, 1887).
	Watanabe, H to W. N. Whitney: Letters (Jan. 2, 1887).
	Whitney, W. C. (Secretary of the U.S. Navy) to Prof. Todd: Letter (April 4, 1888).
	Whitney, W. N. to W. J. Holland: Letter (July 30, 1887).
	Whitney, W. N. to D. P. Todd: Letters (July 20, 30; Aug. 13, 18,?; Sept. 1, 13, 16, 1887; April 3; June 29, 1888).
	Yanagi, N. to D. P. Todd: Letter (Oct. 7, 1887).
	Yokohama Specie Bank, Ltd. (Agent) to D. P. Todd: Letter (June 6, 1887).
	Young, C. A. to D. P. Todd: Letters (April 28; May 21, 1887).
	Miscellaneous Others.
Amateur Oriented Eclipse Observation Event	Corona sketches drawn by Japanese amateur observers (collected by the Ministry of Home Affairs and bound into a booklet by I. Arai).
	Lists of the durations of totality reported by Japanese amateur observers (edited into tabular form by I. Arai and typed out in English by the U.S. Legation).
	Corona sketches and reports of the duration of totality / descriptions of the surroundings during the eclipse (sent by Japanese observers directly to the U.S. Legation in Tokyo).
	Instruction manuals for drawing the corona (printed brochures).
	Instruction manuals for observing the duration of totality (printed brochures).
	Sheets of papers specially provided for corona drawings.
	Lists of recommended places for drawing the corona / observing the duration of totality (proposal from the Ministry of Education).
	<i>Sketch; showing the observed places of duration of totality near the southern and northern limits of shadow path. Aug. 19, 1887 (map drawn by I. Arai).</i>
	Miscellaneous Others.
Diary written by Prof. Todd	June 3, 1887–Aug. 19, 1887.
Expedition Reports	<i>Preliminary Report</i> (by Prof. Todd, 1888) (galley proof).
	<i>Preliminary Report</i> (by Dr. W. J. Holland) (galley proof).
	<i>Report of the American Eclipse Expedition to Japan, 1887. Part I</i> (final report submitted to Prof. Newcomb on April 12, 1889; back-up copy handwritten by Prof. Todd).
	Expedition Report by Lt. H. H. Southerland (Aug. 26, 1887).
	<i>Some account of work in connection with 'U. S. Eclipse Expedition to Japan' in charge of Professor D. P. Todd</i> by J. Pemberton (Sept. 10, 1887).
	“Ascent of the Volcanos Nantai-san, Asama-yama and Nasu-take” by Dr. W. J. Holland (Read July 1, 1890) Extracted from <i>Appalachia</i> , Vol. VI, No. 2).
Observation Journals	Time Observations. (Aug. 10, 1887–Aug. 23, 1887) by Prof. Todd and Lt. H. H. Southerland.
	<i>Meteorological Journal</i> (Aug. 10, 1887–Aug. 24, 1887) by Lt. H. H. Southerland.
	<i>Chronometer-Comparisons</i> (July 28, 1887–Aug. 21, 1887) by Lt. H. H. Southerland.

	<i>Record of Operations in the Photographic House</i> (July 30, 1887–Aug. 20, 1887) by W. R. Hitchcock.
	<i>Adjustments of Photographic Telescopes</i> (Aug. 13, 1887–Aug. 21, 1887) by Prof. Todd.
	<i>Note Book on the Determination of Longitude of Shirakawa, Japan</i> (Aug. 10, 11, 12, 23, 1887).
Observation Records, etc. (provided by the Naval Observatory, Tokyo)	<i>Transit of Stars observed at Tokio</i> (former notation for Tokyo) <i>Naval Observatory, by Mr. N. Ito, with Transit to determine the correction of Sid. Chronometer Negus 1613.</i> (Aug. 10, 11, 12, 1887.)
	<i>Transit of Stars observed at Shirakawa by Professor D. P. Todd, with Transit No. _____, to determine the correction of Sid. Chronometer Negus 1722.</i> (Aug. 10, 11, 12, 16.)
	<i>Time Signals in the comparison between Tokio & Shirakawa chronometers.</i> (Aug. 10, 11, 12, 1887.)
	(Summary) Longitude in time of Tokio; Longitude in time of Shirakawa; Longitude in Shirakawa.
	<i>Meteorological Observations at the Naval Observatory, Aug. 19, 1887.</i>
	<i>Total Solar Eclipse 1887 August 18</i> (a material for the prediction of the eclipse).
Photos	Partial eclipse (nine photos taken at the Naval Observatory, Tokyo).
	Group photo of the expedition party members and other relevant persons (taken in front of the photographic instruments, shortly after the eclipse ended) (<i>The Todd-Bingham Picture Collection</i>).
	Group photos of the key members (one photo in <i>The Todd-Bingham Picture Collection</i>).
	Camp site of the expedition party (<i>The Todd-Bingham Picture Collection</i>).
	Panoramic view of the Shirakawa Castle ruins. (<i>The Todd-Bingham Picture Collection</i>)
	Observation station of College of Science, Imperial University party led by Prof. H. Terao.
	Mt. Nasu and surrounding scenery viewed from the Shirakawa Castle ruins.
	Miscellaneous Others.
Business Cards	D. P. Todd.
	Japanese government officials.
	Educators.
	Retailers.
	Miscellaneous Others.
Notes	Draft calculations.
	Brief messages.
	Miscellaneous Others.
Newspapers	W. J. Holland. articles (issue dates / newspaper names unknown). (clipped).
	Henry S. Palmer. (1887, Sept. 7). <i>The Recent Solar Eclipse. The Japan Mail.</i> (clipped).
	Henry S. Palmer. <i>The Recent Solar Eclipse.</i> (galley proofs).
	Regular correspondent. (1887, July 13). <i>An Astronomical Treat: Expedition to Observe the Coming Solar Eclipse to Japan and Russia. N. Y. Herald.</i> (clipped).

	(1887, Aug. 13). Amherst's Famous Astronomer. <i>The Homestead, Springfield, Mass.</i> (clipped).
	(1887, Sept. 19). Solar Eclipse Expedition. <i>Baltimore Sun.</i> (clipped).
	(1887, Oct. 15). Prof. Todd's Expedition: To View the Eclipse of the Sun. <i>The Springfield Daily Republican.</i> (clipped).
	(1887, Dec. 30). Prof. Todd's Lecture: A Fruitless Eclipse Expedition – Notes of a Long Journey to Japan. <i>Newark Daily Adventure.</i> (clipped).
	(n.d.). Man of the Hour: America and the Eclipse. <i>Pictorial Associated Press, N. Y.</i> clipped.
	Articles on the American Eclipse Expedition to Japan, 1887. (issue dates / newspaper names unknown.) clipped).
	<i>The Japan Daily Mail, Yokohama.</i> (1887, July 15).
	<i>The Japan Mail.</i> (1887, Sept. 7).
	<i>The Daily News-Advertiser, Vancouver.</i> (1887, Sept. 30).
	<i>The Morning Call, Winnipeg.</i> (1887, Sept. 30).
Documents	Special Passport for Prof. and Mrs. Todd, issued by the Department of State, the United States of America (issue date unknown).
	Traveler's insurance (for Prof. Todd).
	Recapitulation of Invoice (issued by the Imperial Japanese Customs, Yokohama).
	List of observation apparatus, books, etc., loaned from the Naval Observatory, Naval Hydrographic Department, Ministry of the Navy.
	Records of chronometer (1217, 1254, issued by the U.S. Naval Observatory).
Printed Materials (books, magazines, etc.)	<i>Monthly and Yearly Means, Extremes and Sums for the Years 1883, 1884, 1885.</i> (n. d.). Tokyo. The Imperial Meteorological Observatory.
	U.S. Council, Yokohama. (1888). <i>Eleventh Annual Report of the Council of the United Missions in Japan, for the year 1887 – presented at the Annual Meeting Jan. 21, 1888.</i> Yokohama. R. Meiklejohn & Co., Printers.
	K. Takamura. (1887). <i>The Tourists Handbook: containing A Guide to Yokohama, Tokyo, Dai Butsu, Kamakura, Enoshima, etc., together with a list of useful Japanese Words and Phrases.</i> Yokohama.
	The Fukushima Prefectural Office. (1881). <i>Topography of Fukushima Prefecture.</i> The Fukushima Prefectural Office.
	The Scripture Union. (1888, March, April). <i>Scripture Union Monthly.</i> Tokyo. The Scripture Union.
	Miscellaneous Others.
Financial Records	Invoices / receipts issued by Japanese merchants.
	Invoices for the advances paid by Prof. Hitchcock, Lt. Southerland, and J. Pemberton.
	Account book (kept by Mrs. Todd).
	Checkbooks.
	Miscellaneous Others.

Maps	Map of Japan with triangulation lines (1878–1882)
	Topographic map of the area around the Shirakawa Castle ruins (issued by the Ministry of War for Prof. Todd).
	Map around Utsunomiya and Shirakawa.
	Weather map for Aug. 19, 1887, issued by the Central Meteorological Observatory, Tokyo.
	Map of Fukushima Prefecture.
Tags	For delicate astronomical instruments.
Miscellaneous	J. W. Holland. (March 1, 1927). <i>Japan Forty Years Ago (Personal Reminiscences)</i> . (a speech delivered at Carnegie Institute, Pittsburgh; recorded in shorthand and typed out).
	A note of a concert program written by Mrs. Todd. (A small concert was given by H. Ichikawa, a noted mathematician and surveyor in Shirakawa, to the expedition members on the premises of the Shirakawa castle ruins in the evening of Aug. 15, 1887.)
	A Sugoroku sheet (Japanese board game)
	Miscellaneous Others