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TIARKS, Johann Ludwig

MG 24, H 64

Finding Aid No. 829 / Instrument de recherche no 829

Prepared in 1973 by Patricia
Kennedy of the Pre-Confederation
Section and revised in 1982
and 1986.

Préparé en 1973 par Patricia
Kennedy des Archives antérieures
à la Confédération et révisé en
1982 et 1986.

Canada

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MG 24
H 64

TIARKS, Johann Ludwig (1789-1837). Astronomer and Mathematician.

Originals, 1808-1838. 50 cm. Finding Aid No. 829.

Johann Ludwig Tiarks (1789-1837), a native of Jever, Germany, was Assistant Librarian to Sir Joseph Banks, 1810-1816, and through Banks' patronage was appointed Astronomer to the British Boundary Commission under the Treaty of Ghent. After making observations in Canada, 1817-1821 and 1825, Tiarks assisted in preparation of the British case for arbitration by the King of the Netherlands. He was also employed for a time by the Admiralty in determining latitudes and longitudes.

Portions of Dr. Tiarks' papers were deposited in the Huntingdon Library from 1949 until 1972, when they were transferred to the custody of the Public Archives and additional papers were presented by Mr. Henry F. Tiarks of Foxbury, England.

Finding Aid No. 829 provides a detailed description of the items, with subject and nominal indexes, a table of contents grouping records by their nature and date, and a list of the maps transferred to the National Map Collection.

Available on microfilm reels H-1209 to H-1210. RESEARCHERS MUST USE THE MICROFILM.

The papers of Johann Ludwig Tiarks include journals of his travels and observations, 1817-1825, recording astronomical, geographic, meteorological and other scientific data as well as opinions on social customs, the economy, and Indian languages; private and official correspondence, 1810-1837, including copies of correspondence with the Foreign Office and the Boundary Commission; reports, accounts and related papers of the Boundary Commission and the arbitration, 1817-1834; copies of his scientific papers, 1818-1829; and miscellaneous items reflecting his interest in philology and linguistics (including Indian languages) and a variety of other subjects. The papers have been retained in the order of their reception, as the collection had been bound.

July 1982
R. Kuhnle

7-6573
Pre-Confederation

INTRODUCTION

Biographical and historical notes:

Johann Ludwig Tiarks was born at Jever in the Grand Duchy of Oldenburg in May 1789 and died there 1 May 1837. He studied theology, languages and mathematics at Göttingen, receiving his doctorate from that university in 1808. After travels in Germany and Holland, Tiarks accepted a position as assistant and librarian to Sir Joseph Banks, President of the Royal Society, and established himself in London in 1810. Under Banks' patronage, Tiarks met many of the leading scientific minds of Europe, and in 1817 obtained appointment as British Astronomer on the Boundary Commission established under the 5th Article of the Treaty of Ghent.

Tiarks' interests and abilities were strongly suited to his work with the Boundary Commission. His correspondence reveals a growing interest in and influence upon the questions of interpretation raised by several terms to define the boundary line. The years spent ascertaining 'the Northeastern Boundary', from the St. Croix River to St. Regis, 1817-1821, proved to be only the beginning of Tiarks' association with boundary questions. He returned home in 1822 to marry Antoinette Sophie Toél, but soon resumed work on geographical matters: the determination of longitudes for the Board of Longitude of the British Admiralty, 1822-1824. In 1825 he returned to North America to make the astronomical and other observations necessary to determining the most northwesterly point of the Lake of the Woods. On returning to England he undertook to assist in preparing the British case for arbitration and presenting it at the Hague, 1826-1830. When adjustments of the settlement were made, 1832-1835, he was again involved. His last years were spent in Jever.

Tiarks' papers reflect his many interests and support the statement made in several obituaries that there were few subjects connected with the sciences, the literature, the political constitution or the manners and customs of the countries in which the various portions of

INTRODUCTION (cont'd)

his life had been spent on which he could not at once supply a fund of information. He was elected a member of the Royal Society in 1825 and contributed greatly to the communication of scientific knowledge by translating works of wide interest and procuring books for his colleagues in England. He also contributed articles to the PHILOSOPHICAL TRANSACTIONS, the MEMOIRS OF ASTRONOMICAL SOCIETY OF LONDON, the PHILOSOPHICAL MAGAZINE and other learned journals. (Lists of his publications appear in Files xix, xxii and xxxv. Further information might be obtained from Charles A. H. Franklin's A SHORT HISTORY OF THE FAMILY OF TIARKS OF FOXBURY.)

Previous historiography has frequently failed to appreciate the significance of scientific achievements and the careers of such men as Johann Ludwig Tiarks. The settlement of the boundary as defined in the Treaty of Ghent, 1814, hinged upon the work of geographers, astronomers, surveyors--all those able to provide some correlation between the terms of the treaty and the actual land masses. Studied in conjunction with the Foreign Office papers (MG 13) and papers of such men as Ward Chipman, British Agent on the Commission (MG 23, D 1), the papers of J.L. Tiarks provide a most significant and valuable insight into the boundary settlement question.

Provenance

The papers of Dr. Tiarks were retained by several members of his family until 1972. A portion of them were placed on deposit at the Huntingdon Library, San Marino, California, between 1949 and 1972. The papers had passed from Johann Ludwig to his daughter Louise (wife of the historian Heinrich von Ranke), to her daughter Amalia von Ranke, wife of Alfred Perceval Graves, to their son Robert Graves (the poet and author). Graves passed the papers to his cousin, Henry F. Tiarks, a descendant of John Gerard Tiarks (the brother of Johann Ludwig), who had been Chaplain to the Duchess of Kent (mother of Queen Victoria)

INTRODUCTION (cont'd)

The majority of the items were bound in 1931 and the volumes all bear the bookplate of Frank Cyril Tiarks of Foxbury, Kent. When Henry F. Tiarks authorized the transfer of those items at the Huntingdon Library to the Public Archives of Canada, he also selected and presented to the Archives further items from the collection which has remained with the family. However, Mr. Tiarks retained those items considered to be duplicate as well as several of special interest, for his own library. The bound volumes all bear roman numerals of which the following do not appear on items placed in the Archives: iii-v, vii, xi-xiii, xv, xvii and xxvi. For clarity, these numerals are referred to below as 'file numbers'. Arabic numerals have been assigned to the items received directly from Mr. Tiarks.

The items received from the Huntingdon Library have been boxed as Volume 1-3 and those received directly from Mr. Tiarks as Volumes 4-5. The specific breakdown is as follows:

Volume 1	Bound Volumes	File i-xx
Volume 2	Bound Volumes	Files xxi-xxxiv
Volume 3	Bound Volumes	Files xxxv-xxxviii & catalogue
Volume 4	Bound Volumes and loose papers	Files xxix-xxxi & 1-5
Volume 5	Bound Volumes and loose papers	Files 6-17

As can readily be seen, there are several breaks in the sequence of roman numerals. While in transit to the Huntingdon Library, the collection was water-damaged, several items irretrievably. Those items included some drawings and manuscripts, chiefly studies of Indian languages.

ANALYTICAL SUMMARY AND MICROFILM SHELF LIST

The following Summary groups the items by type and date, with references to the appropriate files. On occasion, letters and accounts may appear in files not so labelled. It should also be noted that the formal papers of the Boundary Commission include printed copies of correspondence, reports, memoranda, treaties, protocols, and a wide variety of other related items presented as evidence or used during negotiations.

JOURNALS

<u>Date</u>	<u>File No.</u>	<u>Reel No.</u>
<u>August</u> 1817- September 1818	xxvii	H-1209
February-July 1818	xxviii	H-1209
March-June 1818 <u>astronomica</u>	2	H-1210
August-September 1819 <u>astronomica</u>	3	H-1210
November 1820	xxi & xxxvi	H-1209
June-August 1820	xxix B	H-1210
August-September 1820	xxix A	H-1210
October-December 1820	xxx	H-1210
April-May 1821	xxxi	H-1210
March-June 1825	xxxii (1)	H-1209
June-September 1825	xxxii (2)	H-1209
September-December 1825	xxxii (3)	H-1209
January-March 1837	16	H-1210

CORRESPONDENCE

family 1810-1820	xxxv	H-1209
family & friends 1815-1837	xxxvii	H-1209

CORRESPONDENCE. (cont'd)

	<u>Date</u>	<u>File No.</u>	<u>Reel No.</u>
official	1817-1825	vi	H-1209
official	1818-1819	x	H-1209
official	1818-1826	xviii	H-1209
scientific	1819	xx	H-1209
scientific	<u>1823</u>	4	H-1210
scientific	1823-1830	xxiii	H-1209
scientific	1824-1836	xxii	H-1209
official	1827-1829	viii	H-1209
official	1828-1829	xxiv	H-1209
official	1828-1830	ii	H-1209
official	1830-1835	ix	H-1209
official	1834	xiv	H-1209

REPORTS AND ACCOUNTS

	1817-1820	xxxviii	H-1209
	1817-1825	vi	H-1209
	1820	xxxiii	H-1209
	1830	xxvi	H-1209
	n.d.	xxxiv	H-1209

BOUNDARY COMMISSION PAPERS
(see also, official correspondence)

instructions, etc.	1817-1820	xxxviii	H-1209
prints	1824-1825	6	H-1210
prints	1824-1825	7	H-1210

BOUNDARY COMMISSION PAPERS (cont'd)

	<u>Date</u>	<u>File No.</u>	<u>Reel No.</u>
prints	1825-1828	8	H-1210
prints	1827-1828	5	H-1210
prints	1828	9	H-1210
prints	n.d. [1828]	10	H-1210
prints	n.d. [1828]	11	H-1210
prints	[1829]	12	H-1210
prints	1829	13	H-1210
prints	[1829]	14	H-1210
Tiarks' remarks on a question	1830	xvi	H-1209

SCIENTIFIC PAPERS

mathematical notes	n.d.	17	H-1210
observations	n.d.	1	H-1210
observations	1818-1819	see journals, files 2 & 3	H-1210
reports to Societies	1818-1829	xix	H-1209
reports to Societies	1827 & 1829	xxv	H-1209
report on longitude	1823	4	H-1210

MISCELLANEOUS

notes on Indian languages	c. 1820	xxxiii & xxxiv	H-1209
list of maps	c. 1817-1825	i	H-1209

MISCELLANEOUS . (cont'd)

	<u>Date</u>	<u>File No.</u>	<u>Reel No.</u>
newspaper clippings	1826-1834	16	H-1210
obituary notices	1837-1838	xx & xxxv	H-1209
catalogue of Tiarks' library	n.d.	unnumbered file. volume 3	H-1210

Vol. 1, File I - Maps

Transferred to Map Division, December 1972: filed as s2/1100 - 1817-1831

1. Lake of the Woods
2. Lake of the Woods
3. Map showing Bass Wood Lake, Knife Lake, Express Lake.
Signed "Samuel Thompson, Assistant Surveyor". Marked No. 7
4. Rainy Lake. Marked No. 7
5. East half of George Lake and George Island. Marked No. 3
6. West half of George Lake and George Island. Marked No. 2
7. Sault St. Marie Fort Brady. Marked No. 4.
8. West, Middle and East Neebish. Marked No. 1.
9. Missing.
10. Rough sketch from East Neebish to Sault St. Marie. 1824.
Signed "Samuel Thompson, Assistant Surveyor".
11. Copy of a map of the Detroit River opposite Amherstburg.
12. Fond du Lac, Lake Superior.
13. North Eastern Boundary.
14. North Eastern Boundary. "Copied by Joseph Bouchette, St. John, July 1817"
15. Map showing the boundary between the Lake of the Woods and Lake Superior
with the old canoe route via Vermillon Lake and the St. Louis River.
Signed "David Thompson".
16. North Eastern Boundary, 1817-1820. Signed "Hiram Burnham,
United States Surveyor".
17. North Eastern Boundary. Print. Coloured.

Map transferred to National Map Collection, Public Archives of Canada

Mss. location: from Dr. J. L. Tiarks Papers

Title: Dr. J. L. Tiarks
Papers
I
1 - 17
maps

Authors: Dr. J. L. Tiarks

Description: 1 portfolio containing 17 map sheets . . .
29^{cm} X 44.5^{cm}
5^{cm} T.

Accession Number: 72-24,563

Classification Number: s2/1100-1817-1831

File II - "INDIANS OF IROQUOIS, 1828-1830"

Bound volume, 60 pages, folio and quarto.

Papers relating to claims of the Iroquois Indians of Caughnawaga or Sault St. Louis, for whom Dr. Tiarks acted as agent. A detailed list of the petitions, addresses, accounts and correspondence follows. (the letters of Rev. Joseph Marcoux are in French).

Addresses of the Iroquois Nation to the King, concerning fulfilment of promises made for their support, 16 September 1828, signed at Sault St. Louis before the notary François Georges LePailleur (draft copy?) ff 1-2 (4 pp)

"Memoir on behalf of the Indians of Sault St. Louis", concerning title to a piece of land, 31 August 1828, with copies of documents proving title, taken from land registers at Quebec. ff 3-6 (16 pp)
ff 7-10

"List of Papers which the Iroquois Chiefs have brought with them to England" - summarizing the documents with the abovementioned memoir - n.d. ff 11-12 (4 pp)

"Notes on the Attorney General's opinion on the claim of the Christian Indians settled at Lorette, 20 April 1829" by J. Neilson, 14 May 1829. ff 13-14 (4 pp)

"Souscription" - text in Iroquois, French and English of the subscription to the petition of the Caughnawaga Iroquois of Sault St. Louis concerning an encroachment on their lands, 15 October 1829, with the names of subscribers, certified by Joseph Marcoux, and Augustin P. Blanchet, missionaries. ff 15-16 (4 pp)

Anonymous note to J. L. Tiarks, 15 October 1829, asking that he provide a translation of the mémoire and commenting upon the situation with regard to the claim. ff 17 (1 p)

Letter of Joseph Marcoux to Dr. J. L. Tiarks, 15 December 1829, concerning the presentation of the Iroquois petition, and expressing his gratitude for the assistance of Dr. Tiarks in the matter; with a post-script concerning his meagre stipend as a missionary. ff 18-19 (4 pp)

"ANALYSE D'UN MEMOIRE INEDIT, ou Résumé des Preuves en faveur des Sauvages du Sault St. Louis, reclamant le Moulin du Sault, et le Lopin de Terre, de trente et quelques arpens de front sur dieux lieues de profondeur, sur lequel il est construit" - print - dated Sault St. Louis, 1829, without authorship ff 20 (2 pp)

Letter of Joseph Marcoux to Dr. J. L. Tiarks, 12 January 1830, concerning the land claim, with a post-script in Iroquois signed by TharonhiaKanere ff 21 (2 pp)

File II - (cont'd)

Letter of R. M. Hay to the same, 16 January 1820, concerning Sir George Murray's provisions for the satisfaction of the Iroquois and Huron delegation to London and arrangements for its passage home. ff 22-23 (3 pp)

Copies of an extract from a letter of D. Napier, n.d., a letter of Joseph Marcoux to Dr. J. L. Tiarks, 5 November 1839, and the letter of Dr. Tiarks to Mr. Hay at the Colonial Office, 20 January 1830, transmitting the foregoing letters concerning the Iroquois claim at Sault St. Louis. ff 24-26 (5 pp)

Letter of R. M. Hay to Dr. Tiarks, 21 January 1830, concerning arrangements for the Iroquois delegation's passage home, and presents to them. ff 27 (2 pp)

Note of R. M. Hay to Dr. Tiarks, 22 January 1830, concerning a bell for the church at Sault St. Louis. ff 28 (1 p)

Copy of a letter by Dr. Tiarks to an unnamed correspondent, 7 January 1830, explaining how he came to be Agent for the Iroquois delegation through his acquaintance with Joseph Marcoux; together with notes on the departure of the delegation and an account of Tiarks' expenses on their behalf to 1 February 1830 ff 29-30 (3 pp)

Copy of a letter by Joseph Marcoux to Dr. Tiarks, 4 November 1830, concerning the return of the delegation and the results of their endeavors since that time; with comments of a more personal nature on the subject of religion. ff 31-34 (7 pp)

File VI - "Letters, etc., 1817-1825"

Bound volume, 200 pages, folio and quarto.

Internal title: "Letters, Reports, Accounts, Extracts and Official Papers relating to the 5th Art. of the Treaty of Ghent, 1818-1819." Included are astronomical observations, and some papers concerning a dispute over St. Regis Indian Reserve lands.

Title page ff 1 (1 p)

Dispensation from the publication of banns, for the marriage of Joseph Robidoux and Angelique Trudeau, 6 February 1817. ff 2 (2 pp)

Copy of a letter from Andrew Elliott summarizing observations made at St. Regis 4 July 1817. ff 3 (2 pp)

Letter of J. L. Tiarks to Commissioner Thomas Barclay, 10 September 1817, concerning his meeting with John Ogilvy at Williamsburg and the progress of their observations ff 4-5 (4 pp)

File VI (cont'd)

- Record of the oath taken by J. L. Tiarks to perform his duties as astronomer under the direction of Thomas Barclay, Commissioner under the fifth article of the Treaty of Ghent; sworn at Cornwall, U.C., 25 September 1817 ff 6 (1 p)
- incomplete copy ff 7 (1 p)
- "Mode proposed to be followed for the determination of the parallel between St. Regis and Lake Champlain", n.d., set out in point form ff 8-9 (4 pp)
- Incomplete letter to an unnamed correspondent, n.d., concerning the method of determining longitude, with related mathematical formulae and calculations ff 10-12 (6 pp)
- Incomplete statement concerning geographical terms (Highlands as opposed to Height of Land), n.d. ff 13-14 (4 pp)
- Comments concerning the boundary between Lower Canada and Nova Scotia, with relation to the interpretation of the term 'highlands' ff 15-16 (3 pp)
- Note concerning the observations recorded on the following pages: methods used, sites, etc.; ff 17-18 (4 pp)
- with tables of observations at Rock River Bay, Richford Mills, Derby, and Connecticut River, August - October ff 19-24 (12 pp)
- Copy of a letter from J. L. Tiarks to Thomas Barclay, 5 November 1817 and 4 January 1818, concerning the progress of the observations ff 25-27 (3 pp)
- Statement of account, J. L. Tiarks with J. & D. Ross, Montreal, 7 January 1818 ff 28-29 (2 pp)
- Copy of the receipt for astronomical instruments received from Thomas Barclay for the use of Lt. Col. Joseph Bouchette and J. L. Tiarks 1 February 1818 ff 30 (2 pp)
- Draft letter to Thomas Barclay [February 1818?], concerning plans for the coming season ff 31 (2 pp)
- Draft letters to Thomas Barclay, 1 and 23 February 1818, concerning staff and accounts, and 12 June 1818, stating the results of his observations at St. Regis ff 32-34 (6 pp)
- Draft letter to Sir Joseph Banks, n.d., concerning the progress of his work at St. Regis ff 35 (2 pp)

File VI - (cont'd)

- Statement of account, J. L. Tiarks with J. & D. Ross,
24 February 1818 ff 36 (1 p)
- Record of the oath taken by Joseph S. Gallagher as assistant to
Dr. J. L. Tiarks, to perform his duties as directed; sworn
at Cornwall, 25 February 1818 ff 37 (1 p)
- Drafts of letters to John Ogilvy and Mr. Stephenson, Alexander
Stevenson? n.d. February 1818?, concerning methods of
observations, accounts, and related matters ff 38-39 (4 pp)
- Draft letter to Mr. Stephenson Alexander Stevenson?, April 1818,
concerning accounts and staff ff 40-41 (3 pp)
- Incomplete draft letter, partially in French, to an unnamed
correspondent, n.d., concerning Father Joseph Marcoux and
sundry other matters ff 41-47 (13 pp)
- Two draft letters, n.d., concerning the progress of observations
at St. Regis ff 48-50 (6 pp)
- Draft letter to Mr. Stephenson?, concerning accounts, n.d.
ff 51 (2 pp)
- Draft letter to Father J. Marcoux?, n.d., concerning translation
of documents and Indian affairs ff 52-53 (4 pp)
- Draft letter, unaddressed, concerning his character and reputation
ff 54-55 (4 pp)
- Extract from Andrew Elliott's journal of operations on the 31st
parallel of latitude, n.d. ff 56 (2 pp)
- Notation of the positions of St. Regis, Fort Covington, Chateaugay,
and Lake Champlain, with the distance from the Old Line
(boundary) ff 57 (1 pp)
- Notations of R. Sherwood, Deputy Surveyor, concerning Grenadier
Island, U.C., with a map ff 58-61 (4 pp)
(the notes were made on a fragment of paper used previously
to record a biblical quotation)
- Statement of account, J. L. Tiarks with Thomas Barclay, for the
cost of his passage from England and residence at St. Regis,
June 1817-April 1818; 11 June 1818 ff 62 (1 p)
- Notation of receipts sent to Thomas Barclay by Mr. Chipman, from
St. Regis, 16 June 1818 ff 63 (2 pp)

File VI - (cont'd)

- "List of Assistants and Labourers employed under the direction of Dr. J. L. Tiarks Astronomer in the year 1818" - signed by Ward Chipman, 17 June 1818 ff 64 (1 p)
- Copy of a letter from Ward Chipman jr. to Henry Chittenden, 17 June 1818, concerning the provision of supplies for Dr. Tiarks and his staff ff 65 (2 pp)
- "Mem. for Dr. Tiarks", n.d., concerning the provision of supplies through Henry Chittenden; advancement of funds; staff behavior; and the means of contacting Ward Chipman jr. ff 66-67 (4 pp)
- "Rate of Rations ", n.d., for staff ff 68 (1 p)
- Draft letter to Ward Chipman, 22 June 1818, concerning the progress of observations ff 69-69v (2 pp)
- Letter of Joseph Marcoux to J. L. Tiarks, 2 July 1818, concerning relations with F. R. Hassler and the boundary survey staff ff 70-71v (4 pp)
- Anonymous note, n.d., concerning an altercation involving boundary survey staff ff 72 (2 pp)
- Letter of Joseph Marcoux, addressed to Rawension Tehasarani rahoiatoniera, 5 July (1818), concerning settlement of a dispute ff 73-74 (4 pp)
- "Account of expenses incurred and paid by J. L. Tiarks, Astronomer, from London to New York. June to August 1817." including a trip to Westpoint, St. Regis and expenses there, various trips to Montreal, Burlington and other observation sites, to July 1818; signed at Fort Covington, 4 August 1818 ff 75-81 (13 pp)
- Copy of a note by Sir John Johnson, 4 August 1818, concerning rights of the St. Regis Indians ff 82 (2 pp)
- Draft petition of the Chiefs of the St. Regis reserve, concerning the division of their village, n.d. ff 83 (2 pp)
- Letter of Joseph Marcoux to J. L. Tiarks, 16 August 1818, concerning accusations made against him, with a draft answer ff 84 (2 pp)
- Note concerning land at St. Regis used by a Mr. Van Koughnet, n.d. ff 85 (1 p)
- Memorandum of the conditions under which Cornwall Island was leased to John Van Koughnet, and the resultant dispute over the land n.d. ff 86-87 (4 pp)

File VI - (cont'd)

- Certificate of Robert Hoyle, attesting to the character of James Bullis, 17 October 1818 ff 88 (1 p)
- Record of the oath taken by Charles Mondelet to perform duties as directed while in the employ of "the Astronomers"; sworn in Chittenden County, Vermont, 19 July 1819 ff 89 (1 p)
- Record of the oath taken by Thomas Carlisle to perform duties as directed while employed by the Astronomers; sworn in Chittenden County, Vermont, 19 July 1819 ff 90 (1 p)
- Copy of the engagement of Joseph Naverre, Michel Soucy and François Soucy by Dr. J. L. Tiarks, with wages stated, 20 July 1819, made before P. E. Daveluy, N. P. ff 91-92 (4 pp)
- "Observations made at Rouse's Point, in August 1819", by prof. Andrew Elliott of West Point, ff 93 (2 pp)
- Rough notations of observations made in February (1818) ff 94-95 (2 pp)
- Certificate of David Thompson, 17 March 1820, concerning the chronometer consigned to his care by the late John Ogilvy - addressed to Dr. Tiarks ff 96-97 (2 pp)
- "Comparison of Chronometers. March 1820" ff 98-99 (2 pp)
- "Mr. Shaw's Estimate of profits on Sawmill in New Brunswick", n.d. ff 100 (2 pp)
- "Expenses incurred and paid by J. L. Tiarks, while acting as Astronomer under the 6th and 7th Articles of the Treaty of Ghent", 1 April-26 September 1825 ff 101 (2 pp)
- Copy of a letter from Dr. Tiarks to Ward Chipman Jr., 17 September 1823, concerning his time aboard H.M.S. SERINGAPATUM testing chronometers and other work related to the boundary commission ff 102-103 (4 pp)
- "Expenses incurred and paid out by J. L. Tiarks in travelling from Montreal to New York and also for storage and transportation of Instruments . . . ", October-November 1825 ff 104-105 (4 pp)
- Statement of expenses incurred by Dr. Tiarks in travelling from Liverpool to London with H. Ridout, December 1825 ff 106 (1 p)
- Notes on the Island of Roskilde, Denmark, n.d.; with miscellaneous mathematical calculations ff 107 (2 pp)

File VI - (cont'd)

Incomplete draft letter concerning Dr. Tiarks' salary as Astronomer
to the Boundary Commission and the services he had rendered
ff 108-110 (6 pp)

Fragment of a draft letter (in German), n.d. ff 111 (2 pp)

Incomplete draft letter concerning payment of accounts, n.d.
ff 112 (2 pp)

Draft letter to Ward Chipman jr., n.d. (c. 1825?) concerning affairs
of the Boundary Commission ff 113-114 (4 pp)

Fragment of a draft letter, n.d. ff 115 (1 p)

Fragment of a letter (?) in German, n.d. ff 116 (2 pp)

File VIII - "Official Correspondence, April 1817-August 1820"

Bound volume, 43 pages, octavo.

Copies and drafts of correspondence, chiefly with the Foreign
Office, 1827-1829.

Letter of J. L. Tiarks to Henry Unwin Addington, 27 April 1827
concerning progress of a map pp 1-2

Letter of the same to the same, 27 June 1827, concerning negotiations
and proposed alterations of maps pp 3-4

Two drafts of a letter of the same to the same, n.d., concerning the
preparation of a map pp 5-6

"Expenses incurred and paid by J. L. Tiarks, 1827", relating
to the preparation of maps p 6a

Certificate of J. L. Tiarks attesting to map-making work performed
by William O'Brien, 27 July 1827 1 p (unnumbered)

Letter of J. L. Tiarks to H. U. Addington, 25 July 1827, concerning
maps ordered p 7 (8 is blank)

Letter of the same to J. Backhouse, 16 August 1828, concerning
William P. Preble's mission to New Brunswick pp 9-15

Letter of the same to the same, n.d. concerning Addington's statement
pp 15-16

Letter of the same to the same, 5 September 1828, concerning treaty
terms pp 16-22

File VIII - (cont'd)

Letter of the same to the same, 6 September 1828, concerning surveyor's reports pp 22-25

Letter of the same to (H. U.) Addington, 24 October 1828, concerning maps pp 25-28

Memorandum of J. L. Tiarks, 24 October 1828, concerning documents received for consideration pp 28

Letter of J. L. Tiarks to J. Backhouse, 25 October 1828, concerning the date of presentation of evidence pp 29

Letter of the same to the same, 25 October 1828, concerning evidence pp 30-32

Letter of the same to the same, 25 October 1828, concerning documents p 33

Letter of the same to the same, 25 October 1828, concerning surveys pp 33-34

Letter of the same to the same, 18 November 1828, enclosing documents (revised draft) pp 34-35

Letter of the same to Captain Parry, hydrographer, 8 January 1829, concerning the calculation of latitude and longitude p 36

"Private remarks on Mr. Addington's statement communicated to me on 31 March 1829" pp 37-39

Letter of J. L. Tiarks to (H. U.) Addington, 4 April 1829, in reply to the abovementioned statement pp 39-40

Letter of the same to J. Backhouse, 25 August 1829, concerning the American statement pp 40-41

Latitudes of certain geographical points noted by Joseph Bouchette, n.d. 1 p (unnumbered)

Index of the letters in this volume

Notes on Mitchell's map, n.d.

File IX - "Instructions, Letters from the Hague (Copies), 1830-1835"

Bound volume, 45 pages, quarto (bound with XIV)

Copies and drafts of despatches, accounts and correspondence chiefly addressed to J. Backhouse, 1830-1831.

File IX - (cont'd)

title page: "Copy of my instructions, Despatches sent from the Hague
by Mr. Adams and myself, and other Papers written by me at the
Hague. January 1831. J. L. Tiarks" ff 1 (1 p)

"Copy of instructions received in London, March 13, 1830." a letter
from J. Backhouse of the Foreign Office, 10 March 1830, concerning
presentation of the British case to the Arbitrator
ff 2-3 (3 pp)

Draft letter of J. L. Tiarks to J. Backhouse, 18 March 1831, enclosing
accounts for expenses (see also folio 23, for the accounts and a
revised draft) ff 4v (1 p)

"Dispatches sent from the Hague to Mr. Backhouse by J. L. Tiarks and
Wm. Pitt Adams"

No. 1, 17 March 1830, concerning commencement of the examination
of the cases ff 5 (2 pp)

No. 2, 19 March 1830, concerning printing of the American
Statement ff 6 (1½ pp)

No. 3, 1 April 1830, concerning the examination of evidence
and the accuracy of printed copies of both American and
British Statements, with a ff 6-7
"List of Papers, Maps and Documents delivered to His
Majesty's Ambassador and to the Minister of the United
States on the 31st March 1830" and a ff 7-8
"List of the inaccuracies found in the British and
American Statements and their Appendixes" ff 8-9 } (8 pp)

No. 4, 2 April 1830, concerning papers brought ff 9v-10
into the case by the U.S. but not referred to
in the arguments, with a list of those documents ff 10-11 } (3½ pp)

No. 5, 2 April 1830, concerning the return of maps
borrowed from the American delegates ff 11v-12
with a private memorandum concerning details of
maps 5 and 46 ff 12 } (3 pp)

"Account of personal and travelling expenses incurred and paid
by J. L. Tiarks . . . 13th March 1830 to the end of
September following", ff 13
with a copy of the letter drafted to cover the
transmission of the account to the Foreign Office,
26 November 1830 ff 13v } (1½ pp)

"H. S. Tanner's memoir on recent surveys &c in the United
States (accompanying his map)", with comments ff 13v-15 (3½ pp)

Letter to J. Backhouse, /8/ February 1831, concerning trans-
lation of the decision handed down by the King of the
Netherlands ff 15v (1 p)

File IX - (cont'd)

- "Remarks on a Report of Col. Graydon addressed to Sir Howard Douglas Bart. on observations made by him on the correctness of the due North line from the source of the St. Croix, communicated to Sir Howard Douglas on the 16 April 1830", made 22 April 1830 ff 16-18 (6 pp)
- "On the method which Col. Graydon ought to have followed for ascertaining by a chronometer whether all parts of the exploring line beginning from the source of the St. Croix and intended to be drawn due north are on the same meridian", delivered to Sir Howard Douglas 23 April 1830 ff 19-21 ($4\frac{1}{2}$ pp)
- "Remarks on a pamphlet . . . NOTES UPON THE SOUTHWESTERN BOUNDARY LINE OF THE BRITISH PROVINCES . . . October 1830 by Andrew Stuart", delivered to Sir Howard Douglas 26 May 1830 ff 21-22 (2 pp)
- "Alterations proposed in a translation of the King's decision confidentially communicated to me by Mr. Backhouse" ff 22 ($1\frac{1}{2}$ pp)
- "Account of personal and travelling expenses incurred and paid by J. L. Tiarks . . . from the 1st day of October to the 1st day of January following", with the final draft of the letter to cover transmission of the accounts to the Foreign Office, 18 March 1831 (an earlier draft appears on ff 4v) ff 23 (2 pp)
- File X - "Official Letters, 1818-1819"
- Bound volume, 148 pages, small quarto.
- Internal title: "Official letters written by me in 1818, 1819" ff 1 (1 p)
- Correspondence addressed chiefly to Thomas Barclay, with a few accounts, 1818-1819. As the letters generally report on current work of Tiarks and his associates, the subject matter of items listed below is given only when it diverges from this norm.
- Letter of J. L. Tiarks to Thomas Barclay, 4 August 1818
- Letter of the same to /the same/ 6 August 1818 ff 2-5v (8 pp)
ff 6-9 (6 pp)
- Letter of the same to the same 13 August 1818 ff 9-10 ($2\frac{1}{2}$ pp)
- Letter of the same to the same, 29 August 1818 ff 10-11v ($3\frac{1}{2}$ pp)
- Letter of the same to /the same/, n.d. ff 12-19 (15 pp)

File X - (cont'd)

- Letter of the same to Joseph Planta, 15 September 1818, concerning
accounts f 19v (1 p)
- Letter of the same to Mr. Pond, n.d., concerning the
determination of latitude ff 20-20v, 24v-25
(3 pp)
- Letter of the same to T. Barclay?, n.d. ff 21-24v (7½ pp)
- Letter of the same to T. Barclay, 10 September 1818 ff 25-25v (1 p)
- Letter of the same to the same, 15 October 1818 ff 25v-26v (2 pp)
- Letter of the same to the same, n.d. (September 1818)
ff 27-27v (2 pp)
- "My accounts on Oct. 5th", with a covering letter to
T. Barclay, 5 October 1818 ff 28-29v (3½ pp)
- Letter of J. L. Tiarks to the same, 27 October 1818 ff 29v-36 (13 pp)
- Letter of the same to the same, 3 November 1818 ff 36-37 (2 pp)
- Letter of the same to the same, 10 November 1818 ff 37-38v (3 pp)
- Letter of the same to the same, 16 November 1818 ff 38v-40 (3 pp)
- Letter of the same to J. Planta, 28 November 1818, concerning
the terms of his employment as astronomer ff 40-41v (3½ pp)
- Letter of the same to . . . ?, 8 December 1818, concerning
his need of assistants ff 42 (½ p)
- Letter of the same to T. Barclay, 14 December 1818 ff 42-43 (2 pp)
- Letter of the same to the same, 18 December 1818, concerning
his accounts to October ff 43 (½ p)
- Letter of the same to Sir Joseph Banks, 6 January 1819,
concerning the terms of his employment as astronomer
and the progress of work of the commission ff 43v-45 (3½ pp)
- Letter of the same to T. Barclay, n.d., with a summary of
accounts submitted to Ward Chipman (to 5 January 1819)
and to Barclay ff 45-48v (7½ pp)
- Letter of J. L. Tiarks to T. Barclay, 12 January 1819, enclosing
notes on the calculation of latitude ff 49-50v (4 pp)

File X - (cont'd)

- Letter of the same to Ward Whipman, May 1819, concerning
determination of the 45th parallel of latitude ff 51-51v (1½ pp)
- "Letters begun at Newark, N.J., January 1819" f 52 (1 p)
- Letters of J. L. Tiarks to T. Barclay, 14 January 1819
ff 53-53v (1½ p)
- Letter of the same to the same, 15 January 1819 ff 53v (½ p)
- Letter of the same to the same, 20 February 1819, concerning
a chronometer ff 54-54v (1½ pp)
- Letter of the same to Messers J. and D. P. Ross, 25 February 1819,
concerning the account for a chronometer ff 54v-55 (1 p)
- Letter of the same to T. Barclay, n.d. ff 55-55v (2 pp)
- Letter of the same to the same, 3 March 1819 ff 56-56v (1½ pp)
- Letter of the same to the same, n.d. ff 56v-57 (1 pp)
- Letter of the same to the same, 17 March 1819, enclosing
a letter from F. R. Hassler concerning staff ff 57-58 (2½ pp)
- Letter of the same to John Ogilvy, 25 March 1819, concerning
Patrick Smith, a former employee ff 58v (1 p)
- Letter of the same to T. Barclay, 25 March 1819, concerning
the appointment of P. Smith ff 59 (1 p)
- "Account of expenses incurred . . . " to 5 April 1819
ff 59v (1 p)
- Note of J. L. Tiarks to ?, 27 May 1819 concerning
his arrival ff 60 (½ p)
- Letter of the same to ?, 7 June 1819, concerning staff
ff 60-60v (1 p)
- Letter of the same to J. Planta, 7 June 1819, concerning
the terms of his employment as astronomer ff 61-61v (1½ pp)
- Letter of the same to T. Barclay, 20 June 1819, f 61v (½ p)
- Letter of the same to the same, 27 June 1819 f 62 (½ p)
- Letter of the same to Mr. C. P. Van Ness, 1 July 1819,
concerning the appointment of astronomers for the
commission ff 62-62v (1½ pp)
- Letter of the same to T. Barclay, 4 July 1819 ff 63-63v (2 pp)

File X - (cont'd)

Letter of the same to The same?, 4 July 1819, marked
"private" ff 64-64v (1½ pp)

"Account of expenses incurred . . . " to 5 June 1819
ff 65-65v (2 pp)

"Advanced by me . . . for my Assistant Thomas Carlisle from
May 6, 1819" ff 66 (1 p)

Letter of J. L. Tiarks to T. Barclay, 6 July 1819, trans-
mitting accounts and concerning a reply to C. P. Van Ness
5 July ff 66v-67 (1½ pp)

Letter of the same to Mr. J. P. Mondelet, 7 July 1819,
concerning appointment of an astronomer ff 67-67v (1½ pp)
(This and succeeding letters to Monedlet are in
French)

Letter of the same to the same, 9 July 1819 ff 68-68v (1 p)

Letter of the same to T. Barclay, 9 July 1819 ff 68v-69 (1½ pp)

Letter of the same to the same, 16 July 1819 ff 69 (½ p)

Letter of the same to J. P. Mondelet, 17 July 1819, concerning
employment of staff ff 69v-70v (2½ pp)

Letter of the same to T. Barclay, 18 July 1819 ff 70v-71 (1 p)

Letter of the same to the same, 23 July 1819 ff 71-71v (1 p)

Letter of the same to Thomas Carlisle, 24 July 1819,
concerning his activities ff 71v-72 (1 p)

Letter of the same to J. P. Mondelet, 28 July 1819,
concerning employment of staff ff 72-72v (1 p)

Letter of the same to Mr. C. P. Van Ness, 31 July 1819, con-
cerning astronomers on the staff of the commission ff 72v-74v (3 pp)

Letter of the same to the same, 1 August 1819, concerning stores
provided for the staff ff 74v (½ p)

Letter of the same to T. Barclay, 1 August 1819 ff 74v-75v (2½ pp)

File XIV - "Letters to Mr. Backhouse"

Bound volume, (with File IX), 25 small quarto.

Title page - a table of contents headed "Letters to Mr. Backhouse",
with a note "All these papers are copied in my book headed
"Official Correspondence", London, January 1835" (1 p)

"Letter of the King's Advocate to the Secretary of State for
Foreign Affairs", 31 May 1834, being the opinion of
Herbert Jenner on the interpretation of the term
"highland" for Viscount Palmerston pp 1-4

Letter of J. L. Tiarks to Mr. J. Backhouse, 3 August 1834, concerning
the disposition of instruments used during the course of
Tiarks' observations in Canada pp 5-8

"Papers which I have received from the Foreign Office in order
to read them", with comments and brief abstracts of corres-
pondence relating to the boundary settlement, 1832-1834
pp 9-16

Incomplete draft letter /to the Foreign Office?/, n.d., stating
Tiarks' opinions on the proposal of the American Government
for adjusting the boundary question under the 5th Article
of the Treaty of Ghent, the necessity of submitting the case
to a new arbitration pp 17-25

File XVI - "Boundary Questions"

Bound volume, 15 pages, large quarto

Internal title "Some remarks on the questions of boundary under the
fifth Article of the Treaty of Ghent referred to the Arbitration
of His Majesty the King of the Netherlands. 15 May 1830. JLT"

This manuscript bears few alterations of text and appears to be a
final draft of Tiarks' opinion on the questions raised.

File XVIII - "Record Office - Foreign Office Documents: America"

Unbound typescript, 10 pages, quarto

Subtitled "References to Dr. J. L. Tiarks," it comprises correspondence
and receipts. (1 p)

Letter of J. L. Tiarks to Thomas Barclay, 12 July 1818, reporting
on his observations p 1

Letter of the same to Alexander Stevenson, n.d., enclosing accounts
to January 1818 pp 1-2

File XVIII - (cont'd)

Receipt of Joseph S. Gallagher to J. L. Tiarks, 5 April 1818,
acknowledging his allowance p 2

Receipt of Newton C. Hayes to the same for the same,
18 May 1818 p 2

Receipt of J. L. Tiarks to T. Barclay, n.d. pp 2-3

Receipt of the same to Joseph Planta, 12 June 1818 for his
salary p 3

Letter of the same to the same, 18 September 1818, acknowledging
receipt of his salary pp 3-4

Letter of the same to the same, 28 November 1818, concerning
terms of his employment pp 4-7

Letter of the same to the same, 9 January 1826, enclosing
accounts pp 7-8

Letter of the same to the same, 14 January 1826, requesting
leave of absence p 9

File XIX - "Copies of Articles by Dr. J. L. Tiarks, 1818-1829"

Unbound typescript, 29 pages, quarto.

"An easy method of reducing sidereal mean time", printed in
the PHILOSOPHICAL MAGAZINE, 1823 (5 pp)

"On the Reduction of Distances for Finding the Longitude",
printed in the ANNALS OF PHILOSOPHY, 1819 (5 pp)

"Tables for Computing Heights by the Barometer", addressed to
Thomas Thomson, M.D. and printed in the ANNALS OF PHILOSOPHY,
1818 (6 pp)

"A short account of some observations with chronometers in two
expeditions sent out by the Admiralty at the recommendation
of the Board of Longitude, for ascertaining the Longitude
of Madeira and Falmouth. In a letter to Thomas Young, M.D.,
Secretary of the Board of Longitude", printed in the
PHILOSOPHICAL TRANSACTIONS of the Royal Society, 1824 (6 pp)

"On Mr. Dalby's method of finding the difference of Longitude between
two points of a Geodetical line on a Spheroid, from the Latitude
of those points and azimuths of the geodetical line at the
same", printed in the PHILOSOPHICAL MAGAZINE, 1828 (3 pp)

"On the Longitude of the Trigonometrical Survey of England",
printed in the PHILOSOPHICAL MAGAZINE, 1829 (3 pp)

File XX - "British Museum . . . Letter of John Lewis Tiarks
to Sir Joseph Banks, 1819"

Unbound typescript, 10 pages, quarto

Letter of J. L. Tiarks to Sir Joseph Banks, 8 June 1819, con-
cerning the progress of his work for the boundary commission
and related scientific questions (5 pp)
(taken from BM Add. MSS. 33982)

An appreciation of J. L. Tiarks' scientific career, taken from the
"Monthly Notices" of the Astronomical Society, 1837 (5 pp)

File XXI - "Continuation of the Journal of an exploration of the
sources of Connecticut River".

Unbound typescript, 14 pages.

A typescript of the journal found in File XXXVI, written on birchbark.
The typescript of 1 November 1820 and 11 November 1820 is incomplete.
Photographs of several leaves of the journal are included.

File XXII - "British Museum . . . Letters of John Ludwig
Tiarks . . . to C. Babbage, 1824-1838"

Unbound typescript, 15 pages, quarto.

Extracts of Tiarks' correspondence with C. Babbage, taken from
Add. MSS. 37183, 37188 and 37190 (only the dates and subjects are
detailed below).

Letter, 18 August 1824, concerning his voyage aboard the COMET
pp 1-2

Letter, 14 August 1826, concerning astronomical questions
pp 3-4

Letter, 19 July 1826, concerning books sent to Babbage
pp 5-6

Letter, 25 September 1826, concerning further books pp 7-8

Letter, 7 July 1834, concerning further books pp 9-10

Letter, 28 March (1836), recommending a Mr. Schienk pp 11-12

List of publications by J. L. and J. G. Tiarks, taken from
ALLIBONE'S DICTIONARY OF AMERICAN LITERATURE p 13

Obituary of Johann Ludwig Tiarks, printed in the ATHENAEUM, 1837
pp 13-14

File XXIII - "British Museum . . . Letters of J. L. Tiarks . . .
to C. Babbage, 1826-1830"

Unbound typescript, 11 pages, quarto

Extracts from Tiarks' correspondence with C. Babbage, taken from
Add. MSS. 37183 and 37185 (only the dates and subjects are detailed
below); copied from copies made by Bayard C. Dixon, 1937.

Letter, 15 November 1823, concerning publications by Gauss (1 p)

Letter, 18 August 1824 (see copy in File xxii) (1 p)

Letter, 16 March 1826, concerning Gauss and computation of latitude (1 p)

Letter, 17 October 1826, concerning publications (1 p)

Letter, 12 March 1830, concerning his departure for the Hague and
books (2 pp)

Letter, 12 May 1830, concerning books procured for Babbage (1 p)

Letter, 7 September 1830, concerning Nusler's logarithmic tables (2 pp)

Letter, 5 October 1830, concerning some mathematical tables (1 p)

File XXIV - "Record Office, Foreign Office Documents"

Unbound typescript, 23 pages, quarto.

Subtitled "Letters of Dr. J. L. Tiarks to the Undersecretary of
State for Foreign Affairs, 1828, 1829" (only the dates and subjects
are detailed below).

Letter, 18 August 1828, submitting remarks upon papers communi-
cated to Tiarks: his opinions on the American case and the
abilities of Ward Chipman sr. (5 pp)

Letter, 27 August 1828, concerning preparation of the British
statement (by H. U. Addington) (1 p)

Letter, 5 September 1828, concerning a Mr. Owen's letter and
points of dispute by the boundary commission (5 pp)

Letter, 6 September 1828, concerning reports of surveyors on the
headwaters of rivers in New Brunswick (Miramichi, St. John, etc.)
and the definition of highlands (2 pp)

Letter, 25 October 1828, concerning the British case as stated
by H. U. Addington and the supporting documents (3 pp)

File XXIV - (cont'd)

Letter, 25 October 1828, concerning supporting documents
for the American case, collected by C. T. Vaughan (2 pp)

Letter, 25 October 1828, concerning article 3 of the Convention
of 29 September 1827, stipulating a time limit for the
presentation of evidence (1 p)

Letter, 25 October 1828, returning the field notebooks of Joseph
Bouchette Jr. (1 p)

Letter, 2 October 1829, enclosing a paper outlining new ideas
on the boundary line (1 p)

Letter, 26 October 1829, enclosing a sketch supporting the
British reply to the American statement on the Connecticut
River (1 p)

File XXV - Untitled

Unbound typescript, 8 pages, quarto

"The report of J. L. Tiarks, Astronomer on the part of His Britannic
Majesty under the Sixth and Seventh Articles of the Treaty of Ghent,
on his Astronomical Observations for ascertaining the most north-
western point of the Lake of the Woods", attested 18 November 1825
and printed in the AMERICAN JOURNAL OF SCIENCE AND ARTS, 1829

"Dr. J. L. Tiarks' Paper 'On a new application of the method of
determining the time by observations of two stars when in the
same vertical, to the case of Polaris when so situated with respect
to any other circumpolar star in the course of its diurnal revo-
lution below the pole'", printed in the Astronomical Society
MONTHLY MEMOIRS, 1 March 1827 (2 pp)

File XXVII - "Leaves from Journals, 1817, 1818"

Bound volume, 134 pages, octavo.

The first and second journals are like memoirs in form; the third
consists of regular, daily entries. All are in German, though
the first two have English titles and occasional entries in English.

"New York to Canada, 1817", an account of Tiarks' travels to West
Point and other places of interest in the United States; his
visits were made late in the year (32 pp)

"Nova Scotia, 1817", an account begun in July and covering a trip
to Montreal; economic notes, on exports and excise, the cost of
living and similar matters, are in English (30 pp)

File XXVII - (cont'd)

Journal with Miscellaneous Remarks, St. Regis, 1818; containing entries covering the period April - September 1818 (72 pp)

File XXVIII - "Observations at St. Regis, 1818"

Bound volume, 83 pages, octavo.

Internal title "Journal at St. Regis, February to July 1818"
The bulk of the entries are astronomical and meteorological observations, in English. A pen and ink sketch of Tiarks' camp appears on pp 82-83

Files XXIX - XXXI - See volume 4

File XXXII (1) - "Journal, Mar. 21-June 25, 1825"

Bound volume, 78 pages, large octavo.

Diary kept by J. L. Tiarks on his journey from Jever to New York and on to the Great Lakes, 1825, with a few totems of Missouri Indian chiefs kept by Tiarks as a souvenir.

File XXXII (2) - "Journal, June 25-Sept. 18, 1825"

Bound volume, 90 pages, small octavo.

Diary kept by J. L. Tiarks during his travels on the Great Lakes, with a few notes on Indian phrases. Some entries are considerably faded.

File XXXII (3) - "Journal, Sept. 19-Dec. 23, 1825"

Bound volume, 27 pages, quarto.

"Continuation of the Journal of the voyage from the Sault de Sainte Marie to Montreal", concluding Tiarks' diary of travels on the Great Lakes. Included in the volume are a note from Thomas Barclay, 27 November 1825, requesting a visit, and miscellaneous notes on population, geography, and the Indians. Some entries have faded badly.

File XXXIII - "Hymns"

Bound volume (with File XXXIV), 61 pages, small octavo.

Internal title: "Religious Hymns in the Millisheet language communicated to me by an Indian at St. John's N.B., 1820"
No music is included.

File XXXIV - "Notes on Indian and Other Languages"

Bound volume, 90 pages, small and large octavo.

Subtitled "Philological", the volume contains a chapter "On the Indian language in General"; notes on German, French, Latin, Arabic and English; English phonetics; Greek, Anglo-Saxon and other languages which J. L. Tiarks had investigated during his linguistic and philological studies.

File XXXV - "Copies of Letters to his Relatives, 1810-1820.
Biographical Notices."

Bound volume, 122 pages, folio.

Copies of correspondence (in German) from J. L. Tiarks to his family. Many of the letters were written over a period of several days and record his activities as well as impressions of the regions through which he travelled and the people whom he met. Only the dates and addresses of the letters are detailed below; The commentary resembles that in his journals of the same period.

Letter, 10 August 1810,	to his mother	pp 1-2
Letter, 25 September 1810,	to the same	pp 2-4
Letter, 15 August 1817	from New York, to the same	pp 4-6
Letter, 12 November 1817	from Montreal, to the same	pp 7-10
Letter, 2 January 1818,	to his (brother) Friedrich (Fritz)	pp 10-14
Letter, 24 August 1818,	to his mother	pp 14-17
Letter, 30 October 1818,	to his (sister?)	pp 17-20
Note, 23 July 1819,	to Fritz (his brother?)	pp 20
Letter, 23 June 1819,	to his (sister?)	pp 20-22
Letter, 17 October 1819,	to his mother	pp 22-25
Letter, 12 July 1820,	to ?	pp 26-30
Letter, 18 October 1820,	to ? (covering events to 17 December 1820	pp 30-36
Duplicate copies of the foregoing letters		pp 1-46 (second numbering)
THE ATHENAEUM, #499, 1837 (pp 365-368), containing an obituary notice concerning Johann Ludwig Tiarks, with a brief appreciation of his career.		

File XXXV - (cont'd)

OLDENBURGISCHE BLATTER, # 48, 28 November 1837, pp 376-386,
49, 5 December 1837, pp 387-394,
42, 16 October 1837, pp 351-358,
43, 23 October 1837, pp 359-366.

in which was printed an appreciation of the career and achievements of Johann Ludwig Tiarks.

File XXXVI - "Journal, Nov. 1820 (Written on Birchbark)"

Photographs, 15 pages.

Enlarged photographs of a brief journal entitled "Continuation of the Journal of an exploration of the sources of the Connecticut River, November 1820", which J. L. Tiarks wrote on 4 sheets of birchbark (16 pages, small octavo). The legibility of the journal is much impaired by the nature of the writing surface: the faded ink provides little or no contrast against the background of darkened birchbark. A transcription of the text has been filed with the photographs. (The original journal was returned to the family after being photographed and transcribed. For another transcript, see file xxi.)

File XXXVII - "Letters to H. F. Tiarks, 1817-1836. Letters from Friends and Relatives, etc. 1815-1837"

Bound volume, 347 pages, folio.

Correspondence of J. L. Tiarks with his brother Heinrich Friedrich Tiarks and other relatives and friends, written almost exclusively in German. A table of contents has been included at the beginning of the volume. Only the dates and addressees are given in detail below; the subjects cover family matters and all of Tiarks' varied scientific interests.

Letters of J. L. Tiarks to his brother Heinrich Friedrich Tiarks;

16 June 1817	ff 1-2v	(4 pp)
5 July 1832	ff 3-4v	(4 pp)
29 December 1832	ff 5-6v	(4 pp)
14 March 1835	ff 7-8v	(4 pp)
1 August 1835	ff 9-10v	(4 pp)
21 April 1836	ff 11-12v	(4 pp)
29 August 1836	ff 13-14v	(4 pp)

Extract from a parish register certifying the birth at Jever, of Heinrich Friedrich Tiarks, dated
16 November 1813 ff 15 (1 p)

File XXXVII - (cont'd)

Letters to J. L. Tiarks from C. L. Harding, Astronomer at
Göttingen, chiefly concerning astronomical matters;

17 August 1827	ff 16-17v	(4 pp)
20 June 1827	ff 18-19v	(4 pp)
4 April 1828	ff 20-21v	(4 pp)
4 July 1828	ff 22-23v	(4 pp)
31 August 1828	ff 24-25v	(4 pp)
28 November 1828	ff 26-27v	(4 pp)
24 February 1829	ff 28-29v	(4 pp)
30 May 1829	ff 30-31v	(4 pp)
26 October 1829	ff 32-33v	(4 pp)
19 December 1829	ff 34-35v	(4 pp)
13 June 1830	ff 36-37v	(4 pp)

Letters to J. L. Tiarks from Louise and William Benecke;

10 May 1818	ff 38-39v	(4 pp)
4 March 1827	ff 40-41	(3 pp)
26 September 1830	ff 42-43v	(4 pp)
21 March 1831	ff 44-45v	(4 pp) (in English)
22 August 1831	ff 46-47v	(4 pp)
28 January 1833	ff 48-48v	(2 pp)
15 May 1833	ff 49-49v	(2 pp)
12 September 1833	ff 50-50v	(2 pp)
9 May 1834	ff 51-52v	(4 pp)
10 February 1835	ff 53-53v	(2 pp)
30 June 1835	ff 54-55v	(4 pp)
28 June 1836	ff 56-57v	(4 pp)
31 March 1837	ff 58-58v	(2 pp)
14 May	ff 59-60v	(4 pp)

Letters to J. L. Tiarks from Friede and Wilhelmine Benecke;

1 October 1818	ff 61-61v	(2 pp)
16 October 1828	ff 62-63v	(4 pp)
14 March 1832	ff 64-65v	(4 pp)
28 November 1832	ff 66-67	(2 pp)
9 July 1836	ff 68-69v	(4 pp)
9 July 1836	ff 70-70v	(2 pp)

Letter to J. L. Tiarks from U. J. F. Bach;

24 March 1821	ff 71-75v	(10 pp)
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Letters from J. Bagelmann of Bremen to J. L. Tiarks;

14 December 1834	ff 76-76v	(2 pp)
21 December 1834	ff 77-78v	(4 pp)
21 December 1834	ff 79-81v	(5 pp)
3 June 1835	ff 82-83v	(4 pp)
15 June 1835	ff 84-85v	(3 pp)

Letter to J. L. Tiarks from F. W. Bergel of Königsberg;

13 January 1828	ff 86-86v	(2 pp)
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File XXXVII - (cont'd)

Letter to J. L. Tiarks from Dr. Berghardt of Berlin;

21 October 1826 ff 87 (1 p)

Letter to J. L. Tiarks from J. F. Blumenberg of Göttingen;

24 July 182. (?) ff 88-88v (2 pp)

Letters of G. Dittmar of Hamburg to J. L. Tiarks;

15 July 1834 ff 89-90v (4 pp) (in English)
6 January 1835 ff 91-91v (2 pp)
31 March 1835 ff 92-93v (4 pp)

Letters of H. Erdmann of Baltimore to J. L. Tiarks;

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Chiefly documents relating to the boundary commission, 1817-1820.

Instructions to Joseph Bouchette and John Johnson, surveyors for the British and American governments respectively, concerning the survey of the boundary line in the vicinity of the St. Croix and Connecticut Rivers, 11 June 1817 (copy prepared by S. Hale, Secretary) ff 1-4 (8 pp)

Order of the Boundary Commissioners for the survey of the 'due North line' from the source of the St. Croix River, 13 May 1819 (copy prepared by S. Hale) ff 5 (1 p)

Order of the Commissioners further to the foregoing instructions, 23 May 1818, for the transfer of the Instructions to William Franklin Odell, successor to Joseph Bouchette (copy by S. Hale) ff 6 (1 p)

Instructions to William Franklin Odell and Alden Partridge, surveyors for the British and American governments respectively, concerning the survey of the boundary line, 25 May 1818 (copy by S. Hale) ff 7-8 (4 pp)

Order of the Commissioners concerning the areas to be surveyed by W. F. Odell and J. L. Tiarks, and their American counterparts (names not specified), under terms of the formal Instructions; 2 June 1820 (copy by S. Hale) ff 9 (1 p)

File XXXVIII - (Cont'd)

Suggested addendum to the Instructions to the surveyors for
carrying out simultaneous surveys North and South of
the Saint John River, 1 June 1820 (copy by S. Hale)
ff 10 (1 p)

Miscellaneous notes;
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on languages ff 12-14 (5 pp)

Printed words to a song composed in 1808 for Mr. and Mrs.
C. L. Vidal ff 15-16 (4 pp)

An acronym (printed) 1817 ff 17 (1 p)

Unnumbered File - "Catalogue of the Library of Dr. Tiarks"

Bound volume, 67 pages, large octavo.

Internal title: "Catalogus der Büchersammlung des verstorbenen
Dr. Philosoph J. L. Tiarks. F.R.S. F.A.S.L. Königlich.-
Gross.-Brit. Astronoms"
The catalogue lists some 1690 books, arranged by subject.

File XXIX A - "Journal. June-Aug. 1820"

Bound volume, 71 pages, small octavo.

Internal title: "Continuation of the Journal" /ie. xxix B/
The entries cover 15 August-16 September 1820 and include some
barometric and astronomical observations for June-September
(18 pp) and tables of distances between points in the Maritime
Provinces as well as comments upon the terrain, climate,
flora and fauna, and other matters of interest to J. L. Tiarks.

File XXIX B - "Journal. Aug. - Sept. 1820"

Bound volume, 88 pages, small octavo.

Internal title: "Journal. June 1820". The entries actually
cover the period 21 June-15 August 1820 and include meteorolo-
gical and astronomical observations for July and August
(22 pages) and some French terms for parts of a birch bark
canoe.

File XXX - "Journey, 1820"

Bound volume, 15 pages, small octavo.

Internal title: "Journey from St. John New Bruns. to Connecticut River and back to St. John, October to December 1820". The entries are similar to those in previous journals.

File XXXI - "Journey, 1821"

Bound volume, 30 pages, small octavo.

Internal title: "Journey from St. John to Connecticut River. April & May 1821". A few pencilled notes of a miscellaneous nature appear on the last page.

[Files 1 - 17 are not bound and generally have no formal title]

File 1:

Dr. Tiarks' degree from Gottingen University, 1808
xerox copy, 1 page

Notebook of astronomical observations and tables, n.d. (July-September), with loose leaves
c. 10 pages, folio

File 2: "Observations at St. Regis, Priest's Garden, 1818"

34 pages, quarto

Observations made at St. Regis, 18 March-19 June 1818 by J. L. Tiarks with a view to determining the latitude of St. Regis. The observations, made at the temporary observatory, are arranged in tables under the names of chief constellations and stars.

File 3: "Observations for determining Latitude, 1819, August 24-September 20"

53 pages, small quarto

The observations are identified, in part, as having been made at the "Station in Richford". As in the preceding volume, they are arranged under the names of constellations and stars.

File 3: (cont'd)

"Comparison of Chronometers, 1819"

20 pages, octavo

Miscellaneous notes and mathematical tables used for adjusting chronometers.

File 4: "REPORT ON CHRONOMETRICAL OBSERVATIONS, made in the Months of July, August and September, 1823, with a view to ascertain the differences of Longitude between Dover and Falmouth, and Portsmouth and Falmouth. By J. L. Tiarks."

Tiarks' report on his longitudinal studies of 1822-1823, printed by T. Bensley, Printer to the Board of Longitude, London, 1823.

37 pages, large quarto: pp 5-36, title & iii-iv

Draft letter of Tiarks to Dr. Thomas Young, Secretary to the Board of Longitude, concerning his observations of 1822-1823 and conclusions drawn relative to the question of the longitude of English cities.

7 pages, quarto

File 5: "Papers relating to the Boundary under the 5th Article of the Treaty of Ghent", J. L. Tiarks, London, 1827."

20 pages, small quarto

Clippings from a variety of newspapers, 1827-1828, relating to the New Brunswick boundary have been pasted into the volume, including 5 "Letters on the Boundary Line" by "Verax" and several reports from Maine and Massachusetts.

"Miscellaneous printed Papers"

50 pages, small quarto

A variety of newspaper clippings, largely concerned with political and economic affairs of North America, have been pasted into the volume.

File 6: "PAPERS relating to the Negotiation in London between the British Plenipotentiaries and the Plenipotentiary on the part of the United States of America. January to August 1824."

110 pages, folio: pp 1-108, title and contents pages

J. L. Tiarks' copy of a private print of correspondence, proposals, protocols and related papers concerning the boundary settlement. The table of contents is supplemented by a list of the protocols (p 89).

File 7: "PAPERS relative to the Negotiation between Great Britain and the United States, concerning boundaries."

70 pages, folio: pp 1-68, title and contents pages

J. L. Tiarks' copy of a private print (for the Cabinet) of correspondence, protocols, reports and related matter, chiefly for 1824-1825 but including items dated 1813-1826. The table of contents indicates that pages 69-81 are lacking in this copy.

File 8: "CORRESPONDENCE between Great Britain and the United States, respecting the Question of Territorial Jurisdiction and Boundary, between the Province of New Brunswick and the State of Maine; and the arrest and trial of John Baker by the British Authorities. 1825-1828."

129 pages, large octavo: pp 1-127, title and contents pages

J. L. Tiarks' copy of the print of correspondence and reports transmitted in a Message of the President of the United States to Congress, 21 January 1829. A table of contents lists in detail the correspondence exchanged by Henry Clay, Henry U. Addington, Charles R. Vaughan and others involved in the dispute.

File 9: "SECOND STATEMENT on the part of Great Britain, according to the provisions of the Convention concluded between Great Britain and the United States, on the 29th September, 1827, for regulating the Reference to Arbitration of the Disputed Points of Boundary under the Fifth Article of the Treaty of Ghent."

72 pages, folio: pp 1-40 and title page, Appendix of pp 1-30 and table of contents

J. L. Tiarks' copy of the printed British statement, 1828.

File 10:

Fragment of the Appendix to the printed First Statement of Great Britain

pp 13-313, folio: other pages, including the table of contents and title, are lacking

Included among the documents are Tiarks' reports on observations made at St. Regis and other stations, 1818, for the determination of the 45th parallel of latitude; observations made July-August 1820, and several reports of his staff.

File 11:

Fragments of the Appendix to the two printed Statements of the United States

pp 77-84, 89-96, 101-104, 110-124, 165-168, 281-284, 313-316, 321-324, 425-428

A covering sheet notes that a complete copy was once part of the collection.

File 12: "DEFINITIVE STATEMENT on the part of the United States, of the case referred, in pursuance of the Convention of 29th September, 1827, between the said States and Great Britain, to His Majesty, the King of the Netherlands, for his decision thereon."

99 pages, folio: pp 1-96, title page, contents on ii-iii.

J. L. Tiarks' copy of the private, unpublished print of the American Statement, n.d. 1829.

File 13: "STATEMENT on the part of the United States of the case referred, in pursuance of the Convention of 29th September, 1827, between the said States and Great Britain, to His Majesty the King of the Netherlands, for his decision thereon."

48 pages, folio: pp 1-46, title and contents.

J. L. Tiarks' copy of the private, unpublished print of the American Statement, 1829, marked "Confidential".

File 14: "LIST of all the Papers, Maps and Documents annexed to the First Statement of the United States."

35 pages, folio: pp 1-34, title page

J. L. Tiarks' copy of the printed list, marked "Confidential", n.d. 1829. The list summarizes all material delivered as supporting evidence for the arbitrator.

File 15:

Newspaper clippings of the annual messages addressed to Congress by the Presidents of the United States, n.d., 1826, 1827, 1828, 1829, 1831, and 1834.

File 16:

Untitled Journal, January-March 1837, chiefly noting meteorological observations--the author does not appear to be J. L. Tiarks. A few personal accounts are included.

72 pages, octavo: only a fraction of the pages prepared were used

File 17:

Notebook of mathematical formulae and related notes of a geographical nature, autographed "J. L. Tiarks".

168 pages, octavo

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