



Smithsonian

National Museum of Natural History

Guide to the Frank H. Brown papers

Lea Sellon

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Collection Overview

Repository:	National Anthropological Archives
Title:	Frank H. Brown papers
Date:	1898-2017 (bulk 1966-2014)
Identifier:	NAA.2024-03
Creator:	Brown, Frank Leakey, Richard E. (Collaborator) Howell, F. Clark (Collaborator)
Extent:	54 Linear feet
Language:	English .
Summary:	Frank H. Brown was a key figure in the geologic study of early hominids. He conducted extensive field work in the Omo River Valley and Turkana Basin areas of East Africa. This collection mainly consists of materials related to the collection and analysis of Brown's research data.

Administrative Information

Acquisition Information

Received from the University of Utah.

Processing Information

Materials in the Frank H. Brown papers were received by the NAA in boxes arranged by their original location in Brown's office and were already organized into titled folders. The collection was rehoused into acid free boxes and folders. Photographs, slides, and negatives were rehoused in acid free envelopes or archival sleeves. Rolled map materials were kept rolled with their original tags. Original folder titles were retained; titles expanded or created by the archivist are denoted by brackets. Titles labeled by Brown with "FHB" refer to his initials. The arrangements of and within series were created by the archivist.

Processed by Lea Sellon, March 2025

Preferred Citation

Frank H. Brown papers, National Anthropological Archives, Smithsonian Institution

Conditions Governing Use

Contact the repository for terms of use.

Biographical / Historical

Geologist Francis (Frank) H. Brown is known for his key role the study of human evolution through his work in East Africa dating early hominid species. Born in 1943 in Willits, California, Brown attended the University of California, Berkeley, where he earned his Bachelor's in Geology in 1965 and later his PhD in 1971. He accepted a faculty position at the University of Utah in 1971 and in 1980 became a full professor.

Frank Brown was first sent to East Africa by anthropologist Clark Howell in 1966 to study sediment chronology in the southern Omo Valley, Ethiopia, where Howell had planned to search for early hominin remains. Brown went on to conduct extensive fieldwork in the Omo Valley and Turkana Basin area, mapping and dating volcanic ash and sediment layers which allowed anthropologists to date hominid fossils found there. Brown began working closely with paleoanthropologist Richard Leakey in 1980, studying the geology of the Koobi Fora area of northeast Lake Turkana. He would continue to collaborate with Richard and his wife, Maeve Leakey, throughout his career. Brown also worked closely with geochemists Ian McDougall and Thure Cerling on documenting ash sediment chronology. In 1984, Brown contributed to the dating of the Turkana Boy skeleton, the most complete early hominin skeleton ever found. Through his extensive fieldwork, Brown learned multiple East African languages including Amharic, Daasanach, Kikuyu, Swahili, and Turkana. Additionally, Brown was a member of a U.S. scientific delegation which worked towards normalizing relations with China.

Frank Brown was the chair of the department of Geology and Geophysics at the University of Utah from 1988 to 1991. From 1991 to 2016, Brown served as the dean of the University of Utah's College of Mines and Earth Sciences. Brown was an active member of The Leakey Foundation and was co-chair of their Scientific Executive Committee. In 2001, Brown received the University of Utah's highest award, the Rosenblatt Prize for Excellence.

Frank H. Brown passed away at the age of 73 on September 30, 2017 in Salt Lake City, Utah.

Scope and Contents

The Frank H. Brown papers include fieldnotes, journals, correspondence, computer analyses, raw and processed data, manuscript material, research articles, reports, teaching material, maps, stratigraphic sections, photographs, slides, and negatives. These materials document Brown's fieldwork and research in East Africa studying geology in relation to the dating of early hominids.

This collection contains a large amount of raw and processed geological sample data that Brown collected in East Africa throughout his career. Much of the raw numerical data is found in his field journals. His processed data materials are usually labeled by location and the dating method he used such as paleomagnetism. Additionally, there are a vast number of aerial photographs in this collection that Brown had commissioned to record the landscape of his research sites, particularly the Kibish Formation, Koobi Fora, and the Turkana Basin. These materials are largely unmarked but include photograph indexes with corresponding site information. Brown also created and collected many general and historical maps of East Africa and maps of his specific research sites. Also included are many stratigraphic sections Brown created with the data he collected at these sites.

Brown's correspondence reflects his collaboration with a large number of researchers throughout his career in his fieldwork and publications. Of particular note is his correspondence with close colleagues Richard and Meave Leakey.

Please note that the contents of the collection and the language and terminology used reflect the context and culture of the time of its creation. As an historical document, its contents may be at odds with contemporary views and terminology and considered offensive today. The information within this collection does not reflect the views of the Smithsonian Institution or National Anthropological Archives, but is available in its original form to facilitate research.

Arrangement

This collection is arranged into 7 series: 1) Field notes, 1966-2017, undated; 2) Research data and reports, 1966-2013, undated; 3) Photographs, 1965-2011, undated; 4) Publications and manuscripts, 1967-2013, undated; 5) Correspondence, 1962-2014, undated; 6) Professional and teaching materials, 1957-2011, undated; and 7) Maps and stratigraphic sections, 1898-1998, undated.

Selected Bibliography

1988. with J. Harris and M. Leakey "Stratigraphy and Paleontology of Pliocene and Pleistocene Localities West of Lake Turkana, Kenya" *Contributions in Science* Volume 399, (1988): 1-128.

2001. with M. Leakey, F. Spoor, and P. Gathogo "New Hominin Genus from Eastern Africa Shows Diverse Middle Pliocene Lineages" *Nature* Volume 410, No. 6827, (2001): 433-440.

2005. with I. McDougall and J. Fleagle "Stratigraphic Placement and Age of Modern Humans from Kibish, Ethiopia" *Nature* Volume 433, No. 7027, (2005): 733-736.

2006. with I. McDougall "Precise $40\text{Ar}/39\text{Ar}$ Geochronology for the Upper Koobi Fora Formation, Turkana Basin, Northern Kenya" *Journal of the Geological Society* Volume 163, No. 1, (2006): 205-220.

2007. with F. Spoor, M. Leakey, and P. Gathogo "Implications of New Early Homo Fossils from Inert, East of Lake Turkana, Kenya" *Nature* Volume 448, No. 7154, (2007): 688-691.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Archaeological geology
- Fossil hominids
- Turkana

Cultures:

- Turkana

Places:

- East Africa
- Koobi Fora Site (Kenya)
- Omo River Valley (Ethiopia and Kenya)

Container Listing

Series 1: Field notes, 1966-2017, undated

Arrangement: This series is arranged by date.

Scope and Contents: This series contains Brown's field notes. It mainly consists of field journals labeled by year, containing raw numeric data collected in the field. Additionally, there are some field notes from Brown's assistants and colleagues.

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Series 2: Research data and reports, 1966-2013, undated

Arrangement: This series is arranged alphabetically and then by date.

Scope and Contents: This series contains Brown's research data and reports. Much of this material is raw and processed geological sample data collected and created throughout Brown's career. This series also contains reports presenting his data from various surveys, expeditions, and projects. For more data sent to Brown see series 5) Correspondence.

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Box 25, Folder 16	Willard thrust sericite W-2: LXXX-Q-91, 1988
Box 25, Folder 17	Xray defraction data (1983), 1983
Box 25, Folder 18	Xray defraction silicate samples (Patrick Gathogo), 2003
Box 25, Folder 19	[41-1 to 41-5 data], 2011
Box 25, Folder 20	[41-6 to 41-10 data], 2011
Box 25, Folder 21	[41-11 to 41-13 data], 2011
Box 26, Folder 1	[41-14 to 41-19 data], 2011
Box 26, Folder 2	10/07/2009 [Unidentified data], 2009
Box 26, Folder 3	10/08/2009 [Unidentified data], 2009
Box 26, Folder 4	10/09/2009 [Unidentified data], 2009
Box 26, Folder 5	10/12/2009 [Unidentified data], 2009
Box 26, Folder 6	10/13/2009 [Unidentified data], 2009
Box 26, Folder 7	10/14/2009 [Unidentified data], 2009
Box 27, Folder 1	10/15/2009 [Unidentified data], 2009
Box 27, Folder 2	10/16/2009 [Unidentified data], 2009
Box 27, Folder 3	10/17/2009 [Unidentified data], 2009
Box 27, Folder 4	10/19-29/2009 [Unidentified data] [1 of 3], 2009

Box 27, Folder 5	10/19-29/2009 [Unidentified data] [2 of 3], 2009
Box 27, Folder 6	10/19-29/2009 [Unidentified data] [3 of 3], 2009
Box 27, Folder 7	11/02/2009 [Unidentified data], 2009
Box 28, Folder 1	11/03/2009 [Unidentified data], 2009
Box 28, Folder 2	11/04/2009 [Unidentified data], 2009
Box 28, Folder 3	11/06/2009 [Unidentified data], 2009
Box 28, Folder 4	11/07/2009 [Unidentified data], 2009
Box 28, Folder 5	9/13/2010 [Unidentified data], 2010
Box 28, Folder 6	[Unidentified data], undated
Box 28, Folder 7	[Unidentified tuffs data], 1994, 2000
Box 28, Folder 8	[Unidentified skull drawing], undated
Box 28, Folder 9	Chemistry diagrams, undated
Box 28, Folder 10	Fossils [unidentified data sheets], undated
Box 28, Folder 11	[Notes on sediment samples], 2000 Notes: Document was found with materials in Roll 8 (aerial photographs and map), but does not seem to be related.

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Series 3: Photographs, 1965-2011, undated

Arrangement: This series is arranged in 2 subseries: 3.1) Field photographs, 1972, undated; and 3.2) Aerial photographs, 1965-2011, undated.

Scope and Contents: This series consists of Brown's photographs taken in the field and aerial photographs.

Subseries 3.1: Field photographs, 1972, undated

Arrangement: This subseries is arranged alphabetically.

Processing Information: Many of the slides in this subseries were originally housed in metal cases. Some cases were titled and contained labeled groups but the labels did not always seem to correlate with the content of the slides. The slides were removed and placed into slide sleeves labeled by box title and are in the original order and groupings they were found in. The repository retains photographs of slides in their original housing. The prints labeled "Unidentified field photographs" at the end of this subseries are curled. They are packed tightly in the box and should be removed carefully.

Scope and Contents: This subseries contains field photographs, mainly miscellaneous and unidentified photographs taken by Brown in East Africa. Also included are the China slides, which were taken while Brown served as a U.S. scientific delegate in China early in his career.

Box 29, Folder 1	[Arizona and Colorado], undated
Box 59, Folder 5	[Lake Bogoria, Kenya], undated
Box 29, Folder 2	[Clark Howell], undated
Box 29, Folder 3	[China slides] [1 of 9], undated
Box 29, Folder 4	[China slides] [2 of 9], undated
Box 29, Folder 5	[China slides] [3 of 9], undated
Box 29, Folder 6	[China slides] [4 of 9], undated
Box 29, Folder 7	[China slides] [5 of 9], undated
Box 29, Folder 8	[China slides] [6 of 9], undated
Box 29, Folder 9	[China slides] [7 of 9], undated
Box 29, Folder 10	[China slides] [8 of 9], undated
Box 29, Folder 11	[China slides] [9 of 9], undated
Box 29, Folder 12	[Ethiopia and Omo Valley slides], undated
Box 30, Folder 1	[Kenya slides], undated

Box 30, Folder 2	Kibish photos- R. Campbell, undated
Box 30, Folder 3	[Nakua, Nkalabong, Omo, and Nairobi], undated
Box 30, Folder 4	Plants and animals [1 of 3], undated
Box 30, Folder 5	Plants and animals [2 of 3], undated
Box 30, Folder 6	Plants and animals [3 of 3], undated
Roll 3	Shungura American camp, Omo research expedition, 1972
Box 30, Folder 7	[Tanzania and Uganda slides], undated
Box 30, Folder 8	[Miscellaneous field prints with descriptions], undated
Box 30, Folder 9	[Miscellaneous field slides with descriptions], undated
Box 31, Folder 1	Miscellaneous box 1, undated
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Box 31, Folder 3	[Miscellaneous box 2] [2 of 3], undated
Box 31, Folder 4	[Miscellaneous box 2] [3 of 3], undated
Box 31, Folder 5	[Unidentified field photographs] [1 of 5], undated
Box 31, Folder 6	[Unidentified field photographs] [2 of 5], undated
Box 31, Folder 7	[Unidentified field photographs] [3 of 5], undated
Box 31, Folder 8	[Unidentified field photographs] [4 of 5], undated
Box 31, Folder 9	[Unidentified field photographs] [5 of 5], undated
Box 59, Folder 6	[Unidentified landscape], undated

Subseries 3.2: Aerial photographs, 1965-2011, undated

Arrangement: This subseries is arranged alphabetically and then by date.

Processing Information: Brown often used abbreviations in his aerial photograph labeling. "ET" refers to East Turkana, "WT" refers to West Turkana, and "TDK" refers to Turkana District, Kenya.

Scope and Contents: This subseries contains aerial photographs Brown had taken of various geologic sites. Some photographs are marked with notes from Brown with site details. Corresponding photograph indexes are also contained in this subseries with more information on the photographs and site features.

Box 32, Folder 1	Kikumini, undated
Box 32, Folder 2	Kibish/Campbell run 1, undated
Box 32, Folder 3	Kibish/Campbell run 2, undated
Box 32, Folder 4	Kibish/Campbell run 3, undated
Box 32, Folder 5	Kibish/Campbell run 4, undated
Box 32, Folder 6	Kibish/Campbell run 5, undated
Box 32, Folder 7	Kibish/Campbell run 6, undated
Box 32, Folder 8	Kibish/Campbell run 7, undated
Box 32, Folder 9	Kibish/Campbell run 8, undated
Box 32, Folder 10	Kibish/Campbell run 9, undated
Box 32, Folder 11	Kibish/Campbell run 10, undated
Box 32, Folder 12	Kibish/Campbell run 11, undated
Box 32, Folder 13	Kibish/Campbell run 12, undated
Box 32, Folder 14	Kibish/Campbell run 13, undated
Box 32, Folder 15	Kibish/Campbell run 14, undated
Box 32, Folder 16	Kibish/Campbell run 16, undated
Box 32, Folder 17	Kibish/Campbell run 18, undated
Box 33, Folder 1	Kibish (Campbell) aerial photographs runs A, B, C and D, undated
Box 33, Folder 2	Kibish (Campbell) aerial photographs (Butzer markups), undated
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Box 59, Folder 8	Kibish formation photogeologic map of camp area, undated
Box 33, Folder 3	Kibish set 5 misc up river, undated
Box 33, Folder 4	Kibish (Campbell) negatives, 1967
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Box 34, Folder 2	Kenya area 2A, 1967
Box 34, Folder 3	Kenya area 3A, 1967
Box 34, Folder 4	Kenya area 3B, 1967
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Box 34, Folder 6	Kenya area 4B, 1967
Box 34, Folder 7	Kenya area 5A, 1967
Box 34, Folder 8	Kenya area 5B, 1967
Box 34, Folder 9	Kenya area 6A, 1967
Box 34, Folder 10	Kenya area 6B, 1967
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Box 34, Folder 20	Kenya area last films of 1st major runs, 1967
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Oversize 3	[Koobi Fora and West Turkana aerial], undated

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Box 33, Folder 8	Lothagam 0033 - 0035, undated
Oversize 4	Lothidok RAF illustrations, undated
Box 33, Folder 9	Mursi formation: Z 1-5, 10, 11, 1967-1968
Box 33, Folder 10	Nariokatome aerial photos, undated
Box 33, Folder 11	Omo run 134 12400 - 12500s, 1965
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Box 33, Folder 17	Omo run 208 21900s, 1966
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Box 33, Folder 19	Omo run 263 27800 - 27900s, 1967
Box 35, Folder 1	Omo run 313 33300s, 1967
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Box 35, Folder 4	Omo run 332 35300s, 1967
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Box 35, Folder 9	Omo run 365 39800s, 1967
Box 35, Folder 10	Omo run 367 39900s, 1967

Box 35, Folder 11	Omo run 369 40300s, 1967
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Roll 5	Omo Valley aerial photo index runs 7-10, undated
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Box 35, Folder 14	Shungura stereoplots, undated
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Box 37, Folder 2	ET aerial 0800, 0090 - 0093, 1972
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Box 37, Folder 5	TDK run 597 [Turkana District, Kenya], undated
Box 37, Folder 6	TDK run 691, undated
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Box 37, Folder 12	TDK run 812, undated
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Box 37, Folder 16	TDK run 819, undated
Box 37, Folder 17	TDK run 825 60s and 70s, undated
Box 37, Folder 18	TDK run 832, undated
Box 37, Folder 19	TDK run 832 30s, undated
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Box 39, Folder 8	WT run 20, undated
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Box 39, Folder 10	WT run 22, undated
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Series 4: Publications and manuscripts, 1967-2013, undated

Arrangement: This series is arranged alphabetically and then by date.

Scope and Contents: This series consists of Brown's publications and manuscript material. It contains published articles, reviews, and books Brown contributed to. Located at the beginning of the series are the "F H Brown publications" files which were organized by Brown and contain most of his published works. For more draft and manuscript material sent between Brown and his colleagues, see series 5) Correspondence.

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Box 42, Folder 3	Methods of Dating... Encyclopedia, 1992-1993
Box 42, Folder 4	Encyclopedia of Human Evolution and Prehistory, 2nd edition [draft], 1993-1994
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Box 42, Folder 6	Evolution of African Mammals [draft], 2004
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Box 43, Folder 11	Tephrochronology, 1998
Box 43, Folder 12	Plio Pleistocene Sedimentation in the Northern Turkana Basin [drafts], 1981
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Series 5: Correspondence, 1962-2014, undated

Arrangement: This series is arranged alphabetically.

Scope and Contents: This series contains Brown's personal and professional correspondence. Of note is his correspondence with Richard Leakey, Meave Leakey, and Ian McDougall, whom he worked closely with.

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Box 53, Folder 3	Wesserman, Hank, 1977, 1984
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Box 53, Folder 6	Willis, Delta, 1986-1988
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Series 6: Professional and teaching materials, 1957-2011, undated

Arrangement: This series is arranged alphabetically.

Scope and Contents: This series contains professional materials such as Brown's grant proposals and conference notes. It also contains some teaching material, which mainly consists of his description of and notes on various dating techniques he used in his research.

Box 53, Folder 10	Grant: Correlations of... Baringo and Turkana..., 1994
Box 53, Folder 11	Beryllium [dating notes], undated
Box 53, Folder 12	[College notes and work], 1963, undated
Box 53, Folder 13	Chlorine-36 [dating notes], undated
Box 53, Folder 14	Decay systems [dating notes], undated
Box 53, Folder 15	Eardley, A.J. - grant and publication (saltair core), 1957-1961
Box 53, Folder 16	Electron spin resonance (ESR) [dating notes], undated
Box 53, Folder 17	FHB 1975-1976 schedule, 1975-1976
Box 53, Folder 18	Fission track [dating notes], undated
Box 53, Folder 19	Ground water dating [notes], undated
Box 54, Folder 1	Abstracts: GSA meeting, Denver, CO, 2004
Box 54, Folder 2	[High school notes and work], 1960, undated
Box 54, Folder 3	Hobson's apply yourself, 2011
Box 54, Folder 4	Koobi Fora field school, 1987, undated
Box 54, Folder 5	Lead (Pb) and common lead (Pb/Pb) [dating notes], undated
Box 54, Folder 6	Leakey/Brown proposal (bovid tooth enamel), 1992-2003
Box 54, Folder 7	FHB research proposal to National Geographic Society [Kibish formation], 1999
Box 54, Folder 8	[Office inventory], undated
Box 54, Folder 9	The Omo-Turkana Basin, Kenya and Ethiopia: Time and Hominid Fossils, undated
Box 54, Folder 10	Oldowan Hominid Land Use Models at Olduvai Gorge (OLAPP) [grant proposal], undated

Box 54, Folder 11	Omo staff lists, 1979, undated
Box 54, Folder 12	Paleomagnetism [dating notes and Brown articles], undated
Box 54, Folder 13	Phyllosilicates [notes], undated
Box 54, Folder 14	Radiocarbon dating [notes], undated
Box 54, Folder 15	Rhenium-Osmium [dating notes], undated
Box 54, Folder 16	Rubidium-Strontium [dating notes], 2004, undated
Box 54, Folder 17	Samarium-neodymium [dating notes], undated
Box 54, Folder 18	Conference on Stratigraphy, Paleocology, and Evolution in Lake Rudolf Basin, 1973
Box 54, Folder 19	Teaching vs. Research, 1991
Box 54, Folder 20	Thermoluminescence [dating notes], undated
Box 55, Folder 1	Uranium lead [dating notes], undated
Box 55, Folder 2	Uranium Thorium disequilibrium [dating notes], undated
Box 55, Folder 3	Uranium - Xenon [dating notes], undated
Box 55, Folder 4	UUOP catalogs and indexes, 1997, 2001, undated
Box 55, Folder 5	[Workshop on evolutionary history of the robust australopithecines], 1987
Box 55, Folder 6	Xenon [dating notes], undated
Box 55, Folder 7	Phytoliths (Ileret field course), 2011
Box 55, Folder 8	[Nariokotome display], 1994

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Series 7: Maps and stratigraphic sections, , 1898-1998, undated (bulk 1959-1986)

Scope and Contents: This series consists of Brown's extensive collection of maps and stratigraphic sections pertaining to his research areas throughout East Africa. These materials mainly document general East Africa, Koobi Fora, the Lake Turkana Basin, and the Omo River Valley. The map types include geologic, topographic, and weather. Some of the maps include rare documentation of the early mapping of some areas such as South Sudan. There are also many original materials created by Brown, who mapped his specific site locations and those of his colleagues'. There are also many hand-drawn stratigraphic sections created by Brown documenting his field sites.

Processing Information: Some of the maps in this series were recieved in rolled form. These maps were kept rolled.

Arrangement: This series is arranged alphabetically.

Roll 9	Allia Bay map, series Y633 [East Turkana], undated
Oversize 6	[Allia Bay and Baringo], 1957, 1988, undated
Box 59, Folder 13	Southern Kenya Baringo Basin illustrations, undated
Roll 10	Bali geological map, 1971
Box 55, Folder 9	Maps of China, undated
Roll 11	[China] Chang-Chia-K'ou, undated
Box 55, Folder 10	[East African stratigraphic sections], undated
Roll 12	East African metri grid, zone H: Dalle, Lechemti, Soddu, undated
Oversize 7	East African rainfall, 1971
Oversize 8	Ethiopian maps and graphic sections, undated
Box 55, Folder 11	Fossils - possible Kenyan sites [site maps], undated
Oversize 9	[General historical maps], 1905, undated
Oversize 10	[Geological and tectonic maps] [general Africa, Rhodesia, and Nyasaland], 1961-1968
Oversize 11	Geographical Journal, The Royal Geographic Society [Sudan, Lake Rudolf, Uganda], 1898-1905, 1926
Oversize 12	[South Horr, Ileret, Suswa], 1960-1964
Roll 13	Ileret map, series Y633, undated

Oversize 13	Southern Karari escarpment, 1974, 1976
Oversize 14	Kenya gravity maps, 1974, 1986
Box 55, Folder 12	Kibish maps and field sites, undated
Roll 14	Koobi Fora preliminary geological map of East Rudolf Sed Basin (Bowen 1972), 1972
Roll 15	[Koobi Fora geologic area 102], undated
Roll 16	Koobi Fora / Patrick Gathogo, undated
Roll 17	Koobi Fora drainage and road map [1 of 2], undated
Roll 18	Koobi Fora drainage and road map [2 of 2], undated
Oversize 15	Koobi Fora graphic sections, undated
Oversize 16	[Lodwar, Loiya-Lorugumu, Lomewiki, Lake Rudolf], 1959, undated
Oversize 17	Lothidok [maps], 1986, undated
Oversize 18	Lothidok [graphic sections], undated
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Oversize 19	Nakuru - Thomson's Falls Lake Hannington area, 1966
Oversize 20	Omo river [maps and illustrations], 1979, undated
Roll 20	Omo River project area, undated
Roll 21	Omo River Valley [1 of 3], undated
Roll 22	Omo River Valley [2 of 3], undated
Roll 23	Omo River Valley [3 of 3], undated
Oversize 21	Findlater maps of East Rudolf Basin... pyroclastic sediments, undated
Oversize 22	Sahabi formation, 1978-1982

Box 55, Folder 15	Sahabi formation, Libya maps, undated
Roll 24	Shungura, undated
Oversize 23	Shungura [graphic sections and maps], undated
Roll 25	Shungura / Omo River Valley, undated
Roll 26	Shungura formation aerial view sheets and geologic maps, undated
Roll 27	Shungura formation geologic maps and aerial, undated
Roll 28	Shungura formation history: stratigraphy, paleomagnetism, vegetation, precipitation, undated
Roll 29	Shungura formation hand colored, undated
Roll 30	South Africa, undated
Box 55, Folder 16	Tabarin area illustrations, undated
Box 55, Folder 17	Teleki's volcano, 1963
Roll 31	Karari/Chari: BBS, KBS, TULA BOR, Surgaei tuff, 3.9 tuff, 4.5 tuff, volcanics [East Turkana], undated
Roll 32	Chari sheet Olympus aerial survey (Dec. 70) [East Turkana] [1 of 2], 1970
Roll 33	Chari sheet Olympus aerial survey (Dec. 70) [East Turkana] [2 of 2], 1970
Roll 34	East Turkana, undated
Roll 35	[East Turkana geology], undated
Roll 36	East Turkana member/tuff sites, undated
Oversize 24	East and West Turkana tuff locations illustrations, undated
Oversize 25	East Lake Turkana illustrations, undated
Roll 37	Geological map of area 17 and vicinities, Lake Turkana, Kenya: Michael J. Buchanan, undated
Oversize 26	[Turkana stratigraphic sections], undated
Roll 38	Turkana Basin / Omo Valley, undated

Roll 39	Turkana Basin and Omo River Valley, undated
Roll 40	Turkana Basin, Lake Turkana, Lake Stephanie, undated
Box 59, Folder 14	Miscellaneous Lake Turkana illustrations, undated
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Oversize 27	[Uganda maps], 1955-1966
Roll 42	West Turkana, undated
Roll 43	West Turkana drainage and sample maps, undated

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