

Jacques Bordaz papers

1167

Finding aid prepared by Lawrence Rosen and James DeWalt.

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University of Pennsylvania, Penn Museum Archives

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Summary Information

Repository	University of Pennsylvania: Penn Museum Archives
Creator	Bordaz, Jacques, 1926-2000
Creator	Bordaz, Louise Alpers, b. 1941
Title	Jacques Bordaz papers
Call number	1167
Date [bulk]	1960-1989
Date [inclusive]	1956-2003
Extent	13.8 linear feet
Language	English
Abstract	<p>Jacques Bordaz (1926-2000) was a French-born anthropologist and archaeologist who conducted field work and research at Native-American sites from 1949-1963, and at Neanderthal and Neolithic sites in Iraq and Turkey since 1960. Along with his wife, fellow archaeologist Louise Alpers Bordaz (1941-2002), he excavated and studied the Neolithic sites of Suberde and Erbaba in southwestern Turkey between 1964 and 1978. A major focus of both of these projects was the study of the manufacture and use of stone tools. The Suberde project included an analysis of animal bone remains to determine patterns of hunting and stock-raising, and the Erbaba project included analysis of Neolithic pottery. Jacques and Louise Bordaz subsequently undertook a joint study of the traditional crafts of Turkey. The Jacques Bordaz papers consist of 13.8 linear feet of textual documents from 1958 to 2003 (bulk 1960-1989) and photographs from</p>

1956 to 1977. The greater part of the collection (7.5 linear feet, including card indexes) relates to the Suberde and Erbaba projects. There are a few files related to the Neanderthal site of Shanidar Cave in northern Iraq, excavated under the direction of Robert Solecki (1960-1961), a survey of the Dandalas Valley in southwestern Turkey (1962), and a curious collection of Termatex data sheets intended for analysis and interpretation of a number of sites in Turkey and the Middle East. The collection includes records pertaining to the early teaching careers of both Jacques and Louise Bordaz, but there is virtually no record of Bordaz' Native-American research except for a small file from the Mott's Point site in New York, and some photographic prints from the Penitas project in Mexico. Text files concerning traditional crafts of Turkey are not well represented. About 30% of the files in this collection are in French. A collection of slides documenting the Karatas, Suberde and Erbaba sites, as well as a significant collection of slides pertaining to the traditional crafts of Turkey, is filed separately.

Cite as:

[Item name]. Box [Box number]. Jacques Bordaz papers. Penn Museum Archives. Accessed [Date accessed].

Biography/History

Jacques Bordaz

Jacques Bordaz was born in Paris February 14, 1926. He received his baccalaureate in Philosophy-Letters from the University of Paris in 1944. From 1944 to 1947 he attended the Institut d'Etudes Politiques, University of Paris, and in 1964 received his Ph.D. in Anthropology from Columbia University (dissertation: *Pre-Columbian Ceramic Kilns at Peñitas, a Post-Classic site in Coastal Nayarit, Mexico*). From 1948 to 1954 he was attached to the United Nations Department of Economic and Social Affairs in New York.

Early fieldwork included sites in Peru and Bolivia in 1949. He attended the U.C.L.A. Archaeological Field School in Utah in 1955, and in 1956 he conducted fieldwork at Peñitas, Mexico, after which he served as Research Assistant for the study of Mexican material at U.C.L.A. in 1956 and 1959. He was Research Assistant to William Duncan Strong, Columbia University, from 1956-1958 (research fellowship for dissertation, 1959-1960). His academic positions included: Lecturer in Anthropology,

Columbia University, 1958-1959; Instructor in Anthropology, New York University, 1961-1964 (Assistant Professor, 1964-1966); Professeur agrégé, Département d'Anthropologie, University of Montreal, 1966-1971 (Professeur titulaire, 1971-1972); Associate Professor and Assistant Chairman, Department of Anthropology, University of Pennsylvania 1972-1974 (Associate Professor from 1974). In 1960 Bordaz served as assistant to Ralph S. Solecki at the Neanderthal site of Shanidar Cave in northern Iraq, continuing as research assistant from 1960-1961 (Columbia University). In 1963, while Instructor at New York University, he participated in a joint excavation with Columbia University of a Native American shell midden site at Mott's Point, New York. During 1962 Bordaz participated in an archaeological survey of prehistoric sites, known as the Anatolian Research Project (New York University), in the Dandalas Valley of southwestern Turkey, also under the direction of Ralph Solecki. One of the sites identified by Dr. Solecki was the pre-pottery Neolithic settlement at Suberde in the Beysehir-Sugla lake region. Bordaz served as director of the Suberde excavations (NYU) for two seasons, from 1964 to 1965, followed by a study season in 1966. A focal point of this project was the analysis of faunal remains to determine the prevalence of hunting as opposed to stock raising in Neolithic culture, as well as a study of chipped stone artifacts. Bordaz was subsequently director of the excavations at Erbaba (University of Montreal, later Columbia University and University of Pennsylvania), a Neolithic site not far from Suberde. Active excavations were undertaken in 1969, 1971, 1974 and 1977, with study seasons between. Significant aspects of the Erbaba project included the study of stone tools, worked bone, and pottery. Bordaz authored *Tools of the Old and New Stone Age* in 1970 (New York, The Natural History Press, the American Museum of Natural History), which became a standard introductory text in this field. He also produced a film, *Stone Knapping in Modern Turkey* in 1971, and was the author of numerous scholarly articles.

Jacques Bordaz collaborated on several projects with fellow archaeologist Victoria von Hagen. An ongoing concern of theirs was the use of the new technology of data processing as applied to archaeology. They also pioneered the use of the Termatex system, a less expensive system of data collection and interpretation. Jacques and Victoria married, and Victoria spent at least the 1965 season at Suberde as a member of the expedition. Jacques Bordaz married Louise A. Alpers sometime in late 1969 or early 1970. Louise Alpers was also an archaeologist and a member of the expedition at Suberde in 1966. Jacques and Louise Bordaz worked closely together on several projects. By 1975 they had shifted their scholarly focus to the traditional crafts of Turkey. Other projects at this time included monographs in preparation concerning the Suberde and Erbaba projects, and a study of human occupation in the Beysehir-Sugla region of Turkey from the Neolithic to the Islamic periods, comprising sixty sites, and incorporating data collected since 1964. It is unclear if, or in what form, any of these projects were completed. Jacques Bordaz died on October 24, 2000.

Louise Alpers Bordaz

Louise A. Alpers (Bordaz) was born June 6, 1941 in Cambridge, Massachusetts. She received her A.B. from Bryn Mawr College in 1963 in Archaeology (honors thesis: *A Study of Glazed Wares in the Ancient Near East and the Aegean from the Earliest Appearances through the Late Bronze Age*). She earned her Ph.D. in 1973 in Near Eastern and Aegean Archaeology, also from Bryn Mawr College (dissertation: *The Metal Artefacts from the Bronze Age Excavations at Karatas-Semayük, Turkey and Their Significance in Anatolia, The Near East, and the Aegean*). Her professional positions included: Teaching Assistant, Department of Classical and Near Eastern Archaeology, Bryn Mawr College, 1965-1966; Acting Director, Ankara Branch, American Research Institute in Turkey, 1967-1969; Lecturer, Department of Art History and Archaeology, Columbia University, 1973-1974 (since 1974 Assistant Professor). Louise Alpers' research and field work included three seasons as field supervisor at the Bryn Mawr College excavations at Elmali in Turkey, 1964-1966, and five at Karatas-Semayük, 1964-1968, both under the direction of Professor Machteld J. Mellink. She studied ceramic material collected by the Beysehir-Sugla Lakes Basin Survey in 1966, during which she was also field supervisor for the Ankara Archaeological Museum excavations at Eskiyapar, Raci Temizer, Director. She conducted an analysis of the

post-Neolithic ceramic material collected by the Suberde excavation in 1966. In 1969 or 1970 she married Jacques Bordaz. Between 1970 and 1978 she conducted field work at Erbababa (Associate Director since 1971), alternating archaeological excavation with material study. Her subsequent research was almost exclusively in collaboration with Jacques Bordaz, detailed above. She spoke and wrote fluent Turkish, and collaborated on research, translation, and editing books and articles by Turkish scholars. Her publications included collaborative articles and reports with Jacques Bordaz on the Erbababa excavations, and co-production of the film, *Stone Knapping in Modern Turkey*. Louise Bordaz died on August 28, 2002.

Scope and Contents

The Jacques Bordaz papers consist of 13.8 linear feet of textual and photographic records covering the career of archaeologist Jacques Bordaz from 1956 to 2003 (bulk 1960-1989). The collection includes papers relating to the early academic careers of Bordaz and his wife and fellow archaeologist, Louise Bordaz, with whom he collaborated on many projects. There is no documentation of any of Bordaz' American archaeological projects, except for a small file concerning the Mott's Point, New York project (1962) and a collection of photographs from the Penitas, Mexico project (1956, 1964). There are several files concerning the Shanidar Cave project in northern Iraq (1960-1961), and the Anatolian Research Project, an archaeological survey of the Dandalas Valley region of southwestern Turkey (1962). Both the Shanidar Cave and the Dandalas Valley projects were under the direction of Dr. Ralph Solecki (Columbia University). The majority of the collection consists of the records of the Suberde (1964-1965) and Erbababa (1969-1974) projects, Neolithic sites in the Beysehir-Sugla region of southwestern Turkey. Both of these projects had a strong focus on the production and use of stone tools, a major concern of Bordaz throughout his career. The Suberde project also included a significant study of animal bones, in part to determine the prevalence of hunting as opposed to stock raising for food production. The Erbababa project included a study of Neolithic pottery. The collection also includes a curious set of Termatrex data sheets with descriptive text and illustration, intended to provide analysis and interpretation of various aspects of Neolithic settlement. A very small collection of documents concerns the study of traditional crafts of modern Turkey. There is virtually no documentation in this collection concerning Victoria (von Hagen) Bordaz, Jacques' former wife, also an archaeologist with whom he collaborated on several projects. There are no textual files related to the early archaeological work of Louise Bordaz.

The collection includes a series of photographic prints, most with negatives, from the Penitas excavation, the Shanidar Cave site, the Dandalas Valley project, and the Suberde and Erbababa projects. This evidence both predates and postdates the textual records. A collection of slides documenting both objects and excavation at Suberde and Erbababa, traditional crafts of Turkey, as well as Louise Bordaz' field work at Karatas-Semayuk, is filed separately.

About 30% of the documents in this collection are in French or a combination of French and English, especially early projects. A very small number of documents of an administrative nature are in Turkish.

Administrative Information

University of Pennsylvania, Penn Museum Archives

2016

Finding aid prepared by Lawrence Rosen and James DeWalt.

Access Restrictions

Although many items from the archives are in the public domain, copyright may be retained by the authors of items in these papers, or their descendants, as stipulated by United States copyright law. The user is fully responsible for compliance with relevant copyright law.

Controlled Access Headings

GEOGRAPHIC NAME(S)

- Dandalas Valley (Turkey)
- Erbaba (Turkey)
- Mott's Point Site (New York)
- Shanidar Cave (Iraq)
- Suberde (Turkey)

PERSONAL NAME(S)

- Solecki, Ralph S. , b. 1917

SUBJECT(S)

- Flintknapping
- Handicraft--Turkey
- Neanderthals--Middle East.
- Neolithic period--Turkey.
- Stone implements

Collection Inventory

CORRESPONDENCE, 1961-2003 (BULK, 1961-1996) .

Scope and Contents note

The correspondence series contains general correspondence, arranged by correspondent, from 1961 through 1996, with some outliers dating to 2003. Subjects include archaeological activity, teaching and student advising, and some letters of a more personal nature. Many of the project series in this collection also have correspondence files, and correspondence can be found within subject files in various series. Many of the letters are in French, a few in Turkish.

	Box
Correspondence A-B.	1
American Embassy, Turkey 1964-1973.	1
Correspondence C-F.	1
Canadian Embassy, Turkey 1966-1971.	1
Correspondence G-K.	1
General Directory of Antiquities and Museums, Turkey 1963-1979.	1
Correspondence L-T.	1
Turkish Embassy 1973-1981.	1
Correspondence U-Z.	1
Miscellaneous Correspondence.	1

EMPLOYMENT, 1962-1987.

Scope and Contents note

The employment series contains files related to Jacques Bordaz' academic career at New York University (1962-1965), the University of Montreal (1968-1972), and the University of Pennsylvania (1987 only). Some of the material relates to Bordaz' student work, but most of the contents document his course assignments as instructor or professor. A significant portion of this series pertains to a series of student protests directed at Professor Bordaz regarding alleged misappropriation of grant funds and generally poor relations with students at the University of Montreal in 1972, leading to his acceptance of a position at the University of Pennsylvania. Most of the documentation from the University of Montreal is in French.

	Box
New York University 1962-1965.	1
University of Montreal 1968-1971.	1
University of Montreal-Student Protest 1972.	1
University of Pennsylvania 1987.	1

PUBLICATIONS, 1958-1992.

Scope and Contents note

This series contains documentation concerning publications not specifically related to the Suberde or Erbaba projects. Included are book and article reviews by Jacques and Louise Bordaz, drafts of articles, and reviews of Bordaz' *Tools of the Old and New Stone Age*.

	Box
Pan Am Clipper Articles 1982.	1
<i>Tools of the Old and New Stone Age</i> 1971-1972.	1

Miscellaneous Articles and Book Reviews 1958-1993.	1
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"Rolling Prairie III" (symposium) 1965.	1
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LOUISE A. BORDAZ SERIES, 1971-1989.

Scope and Contents note

A brief academic biography of Louise A. Bordaz can be found in the biographical/historical note of this finding aid. The Louise A. Bordaz series contains papers from Louise Bordaz' early academic and professional career, including her tenure at the American Research Institute in Turkey, and her teaching career at Columbia University. There are no records relating to Louise Bordaz' academic career at Bryn Mawr College, with the exception of a small collection of slides from her field work at Karatas-Semayük, Turkey, filed separately from this collection. The series contains two files pertaining to the Nemrud Dag Publication Project, for which Louise Bordaz served as a consultant. The remaining files in this series contain notes that Louise kept during site surveys in southwestern Turkey and ethnographic observations that she made regarding Turkish domestic building processes. These files complement the Dandalas Valley Project series as well as the Traditional Crafts of Turkey series. After beginning her collaboration with Jacques Bordaz, Louise's papers are increasingly interfiled with the general project series files, and correspondence is often addressed to both Jacques and Louise Bordaz. Notes and other documents written by Louise are often labeled "LAB" or can be identified by her distinctive right-leaning penmanship.

Box

Biography 1971.	1
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Correspondence 1966-1986.	1
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Correspondence-Mellink 1979-1984.	1
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American Research Institute in Turkey 1967-1974.	1
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Columbia University-Employment 1977-1984.	1
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Columbia University-Course Proposals 1976-1979.	1
Columbia University-Teaching Materials 1976-1982.	1
Columbia University-Student Advising 1977-1982.	1
Columbia University-Student Advising-Dabney 1980-1986.	1
Columbia University-Status of Archaeology 1979-1982.	1
Columbia University-Illicit Trade in Antiquities 1980-1982.	1
Publication-Academic American Encyclopedia 1978-1979.	1
Publication-Nemrud Dag Project 1984-1988.	1
Publication-Nemrud Dag Project-Sanders 1984-1989.	1
Site Surveys-Turkey 1965.	1
Site Surveys-Suberde and Beysehir/Sugla 1965-1966.	1
Site Surveys-Turkey 1970-1971.	1
Ethnographic Observations-Turkey 1969.	1
Ethnographic Observations and Misc. Notes 1971-1975.	1

SHANIDAR CAVE PROJECT, 1960-1961.

Scope and Contents note

Shanidar Cave is a Neolithic site located on Bradost Mountain in Iraqi Kurdistan. The site was excavated

by Ralph S. Solecki and a team from Columbia University from 1957 to 1961. Site analysis included the discovery of a Neanderthal burial with flowers, which has been interpreted as evidence of early burial rituals. In 1960 Jacques Bordaz worked at the site as assistant to Dr. Solecki, and in 1961 continued to research material from the site. The series contains press releases, fundraising proposals, and some field data, as well as a very curious poem.

	Box
Administrative 1960-1961.	1
Fundraising-National Science Foundation 1960.	1
Publications 1960.	1
Field Notes and Finds 1960.	1

DANDALAS VALLEY PROJECT, 1962-1965.

Scope and Contents note

The Dandalas Valley Project, part of the Anatolian Research Project (New York University) includes reports and field notes related to at least two separate surveys in southwestern region of Turkey. During the summer of 1962, Jacques Bordaz, at the invitation of Professor Kenan T. Erim of New York University, conducted a survey of the Dandalas Valley region near the ancient city of Aphrodisias, in an attempt to identify prehistoric sites warranting further study. In 1963, Ralph S. Solecki of Columbia University conducted a similar site survey in the Beysehir-Sugla region nearby. In addition to the Dandalas Valley survey, Bordaz was involved in various capacities with the ongoing survey project of Solecki, who identified the sites of Suberde and Erbaba during this process. At least part of this study contributed to Bordaz' later data survey of selected archaeological sites in the region. The series includes reports and field notes. The notes are not extensive, and are not supported by reports and analysis after 1963.

	Box
Reports-Bordaz 1963.	1

Report-Solecki 1963.	1
Background Reports (Turkish) 1962,1965.	1
Site Forms 1962.	1
Data from Soleki Survey 1963.	1
Field Notes 1963.	1
Dandalas Field Notebook 1962.	10
Maps.	1
Miscellaneous.	1

MOTT'S POINT PROJECT, 1962-1964, 1977-1980.

Scope and Contents note

In 1963 Jacques Bordaz participated in a joint New York/Columbia University excavation of a Native-American shell midden at Mott's Point, Long Island, on the grounds of the IBM country club at Sand's Point, Long Island. In 1977 the same site was again excavated by Lynn Ceci of Queen's College. Dr. Ceci further nominated the site for the National Register of Historic Places, enlisting the aid and experience of Bordaz. There is very little in this brief series pertaining to the 1963 excavation; most of the documentation concerns the efforts of Dr. Ceci and her communication with Bordaz. Some photographs in this series may not belong to the Mott's Point project. It also appears from correspondence that Bordaz may have participated in some way with the project after 1963.

	Box
New York University-Bordaz Excavation 1962-1963.	1
National Register of Historic Places-Ceci Investigations 1977-1980.	1

SUBERDE PROJECT, 1963-1996 (BULK, 1964-1973) .

Scope and Contents note

Suberde in the Beysehir-Sugla region of southwestern Turkey is a pre-pottery Neolithic site first identified by Ralph S. Solecki of Columbia University. Dr. Solecki subsequently encouraged Jacques Bordaz to undertake an excavation of two seasons (1964-1965), followed by a study season (1966). The focus of the excavation was the study of the early development of sedentism and the domestication of animals and plants. The project also included a significant study of stone tools.

The Suberde series consists of 5 linear feet of textual documents, with 3.5 linear feet of folder files and 1.5 linear feet card files and field notebooks. The series includes administrative documents, fundraising, excavation records, field reports, and object classification and analysis. By far the greatest portion of the material object records, about 2 linear feet, consists of an animal bone catalog, an attempt to determine, in part, the importance of hunting as opposed to stock raising in this Neolithic culture. This evidence was evaluated in an article "A Hunters' Village in Neolithic Turkey" (Perkins and Daly. *Scientific American*, v.219 n.5 (1968) pp.96-106) in the publications file of this series. An inventory of chipped stone tools comprises another linear foot of documentation. Two files concern pottery finds made at the site. The pottery found in upper strata included late Bronze Age to Roman samples unrelated to the Neolithic site, according to analysis by Louise A. Alpers (Bordaz). There is very little documentation related to floral or human remains. Konya inventory files record objects removed for storage, or sometimes display, in the nearby Konya Archaeological Museum. The publications and reports files in this series refer to the Suberde project exclusively, but some reports in the Erbaba project series compare the Suberde and Erbaba sites. The Suberde series contains a card file with drawings of both Suberde and Erbaba finds (Box 10). The Erbaba series includes Konya Archeological Museum packing lists with finds from both sites, and a report concerning faunal analysis from both the Suberde and Erbaba sites (Daly 1974). Photographic prints from the Suberde project are filed in the photographs series. Negatives for these prints, as well as slides from the Suberde site, are filed separately from this collection.

	Box
Correspondence 1963-1971, 1975.	2
Administration-Personnel 1964-1968.	2
Administration-Instructions to Staff.	2
Fundraising-National Science Foundation- Correspondence 1964-1976.	2

Fundraising-National Science Foundation-Proposals 1964-1966.	2
Reports and Symposia 1964-1966.	2
Publications 1966-1968.	2
Suberde Field Notebook 1964.	10
Suberde Field Notebook 1965.	10
Field Notes-Area 0 1964.	2
Field Notes-Area 1 1964.	2
Field Notes-Area 2 1964.	2
Field Notes-Area 3 1964.	2
Field Notes-Area 4 1964.	2
Field Notes-Area 5 1964.	2
Field Notes-Area 6 1964.	2
Field Notes-Area 7 1964.	2
Field Notes-Area 8 1964.	2
Field Notes-Area 9 1964.	2
Field Notes-Area 10 1964.	2
Field Notes-Area 11 1964.	2
Field Notes-Area 12 1964.	2
Field Notes-Area 13 1964.	2

Field Notes-Area 14 1964.	2
Field Notes-Areas 15-19 1964.	2
Field Notes-Areas 20-31 1964.	2
Field Notes-Area 61 1964.	2
Field Notes-Surface and Misc. 1964.	2
Field Notes-Numerical File 1964.	2
Field Notes-Area 0 1965.	2
Field Notes-Area 8 1965.	2
Field Notes-Area 9 1965.	2
Field Notes-Areas 32-37 1965.	2
Field Notes-Area 32 1965.	2
Field Notes-Area 33 1965.	2
Field Notes-Area 34 1965.	2
Field Notes-Area 35 1965.	2
Field Notes-Area 36 1965.	2
Field Notes-Area 37 1965.	2
Field Notes-Areas 37-32 1965.	2
Field Notes-Area 38 1965.	2
Field Notes-Area 39 1965.	2

Field Notes-Area 40 1965.	2
Field Notes-Area 41 1965.	2
Field Notes-Area 42 1965.	2
Field Notes-Area 43 1965.	2
Field Notes-Areas 44-45 1965.	2
Field Notes-Area 46 1965.	2
Field Notes-Areas 47-48 1965.	2
Field Notes-Area 49 1965.	2
Field Notes-Area 50 1965.	2
Field Notes-Areas 51-59 1965.	2
Field Notes-Miscellaneous 1965.	2
Field Notes-Numerical File 1965 (1 of 2).	2
Field Notes-Numerical File 1965 (2 of 2).	2
Field Data 1964-1965.	2
Field Data-Excavation Units 1964.	2
Field Data-Excavation Units 1964-1965.	2
Field Data-Excavation Units 1965.	2
Field Data-Stratigraphy 1964.	2
Field Data-Stratigraphy 1964-1965.	2

Field Data-Stratigraphy-Consecutive List of Units and Corresponding Layers 1964-1965.	2
Suberde Stratification Units (card file).	12
Maps.	2
Maps-Excavation Area.	2
Excavation Profiles 1964-1965.	2
Material-Cataloged Finds 1964-1965.	2
Suberde Artifacts Ordered by Type (card file).	11
Suberde Specimens at University of Pennsylvania (card file).	11
Suberde Artifacts-Chipped Stone (card file).	11
Material-Chipped Stone-General.	2
Material-Chipped Stone-Classification.	2
Material-Chipped Stone-Preliminary Tabulation-Obsolete 1964.	2
Material-Chipped Stone-Inventory Charts 1964-1965.	2
Material-Chipped Stone, Tables 1-2, Rejects/Wastes 1964-1965.	2
Material-Chipped Stone-Preliminary Analysis.	2
Material-Chipped Stone-Tables.	2
Material-Chipped Stone-Seriation General Method.	2
Material-Chipped Stone and Bone-Interim Report.	2
Material-Catalog-Chipped Stone Descriptions 1964-1965.	2

Material-Catalog I-Chipped Stone-Circular Scrapers.	2
Material-Catalog II-Chipped Stone-Endscrapers.	2
Material-Catalog III-Chipped Stone-Sidescrapers.	2
Material-Catalog IV-Chipped Stone-Flake Tools.	2
Material-Catalog V-Chipped Stone-Notched Blades.	2
Material-Catalog VI-Chipped Stone-Atypical.	2
Material-Catalog VII-Chipped Stone-Cores.	2
Material-Catalog VIII-Chipped Stone-Retouched Blades.	2
Material-Catalog IX-Chipped Stone-Sickle Blades.	2
Material-Catalog X-Chipped Stone-Points.	2
Material-Catalog XI-Chipped Stone-Microliths.	3
Material-Catalog XII-Chipped Stone-Reamers.	3
Material-Catalog XIII-Chipped Stone-Piercers.	3
Material-Catalog XIV-Chipped Stone-Alternate Retouch Blades.	3
Material-Catalog XV-Chipped Stone-Backed Blades.	3
Material-Catalog XVI-Chipped Stone-Miscellaneous.	3
Material-Erbaba and Suberde-Chipped Stone Drawings (card file).	10
Material-Grinding Stone.	3
Material-Stone-Celts-Obsolete.	3

Material-Stone-Celts-Notes and Tables.	3
Material-Stone-Celts-Draft Manuscript.	3
Material-Polished Grooved Stone-Draft Manuscript.	3
Material-Stone-Misc. Notes.	3
Material-Small Finds-Seriation of Pure and Mixed Layers.	3
Material-Worked Bone-Classification and Tabulation.	3
Material-Pottery-Correspondence 1964-1967 with Summary Report 1967.	3
Material-Pottery-Tabulations 1965.	3
Material-Pottery-Preliminary Study.	3
Material-Early Pottery.	3
Material-Pottery-Cones.	3
Material-Other Clay Objects.	3
Material-Glass Bracelets.	3
Material-Copper with Correspondence 1964-1967.	3
Material-Nails-Locations.	3
Material-River Pebbles 1965.	3
Material-Bone Catalog-Specimens 1-99 1964-1965.	3
Material-Bone Catalog-Specimens 100-199 1964-1965.	3
Material-Bone Catalog-Specimens 200-299 1964-1965.	3

Material-Bone Catalog-Specimens 300-399 1964-1965.	3
Material-Bone Catalog-Specimens 400-499 1964-1965.	3
Material-Bone Catalog-Specimens 500-599 1964-1965.	3
Material-Bone Catalog-Specimens 600-698 1964-1965.	3
Material-Bone Catalog-Specimens 700-799 1964-1965.	3
Material-Bone Catalog-Specimens 800-899 1964-1965.	3
Material-Bone Catalog-Specimens 900-999 1964-1965.	3
Material-Bone Catalog-Specimens 1000-1099 1964-1965.	3
Material-Bone Catalog-Specimens 1100-1198 1964-1965.	3
Material-Bone Catalog-Specimens 1200-1299 1964-1965.	3
Material-Bone Catalog-Specimens 1300-1399 1964-1965.	3
Material-Bone Catalog-Specimens 1400-1499 1964-1965.	3
Material-Bone Catalog-Specimens 1500-1599 1964-1965.	3
Material-Bone Catalog-Specimens 1600-1699 1964-1965.	3
Material-Bone Catalog-Specimens 1700-1799 1964-1965.	3
Material-Bone Catalog-Specimens 1800-1899 1964-1965.	3
Material-Bone Catalog-Specimens 1900-1999 1964-1965.	4
Material-Bone Catalog-Specimens 2000-2099 1964-1965.	4
Material-Bone Catalog-Specimens 2100-2199 1964-1965.	4

Material-Bone Catalog-Specimens 2200-2299 1964-1965.	4
Material-Bone Catalog-Specimens 2300-2399 1964-1965.	4
Material-Bone Catalog-Specimens 2400-2499 1964-1965.	4
Material-Bone Catalog-Specimens 2500-2599 1964-1965.	4
Material-Bone Catalog-Specimens 2600-2699 1964-1965.	4
Material-Bone Catalog-Specimens 2700-2799 1964-1965.	4
Material-Bone Catalog-Specimens 2800-2899 1964-1965.	4
Material-Bone Catalog-Specimens 2900-2999 1964-1965.	4
Material-Bone Catalog-Specimens 3000-3098 1964-1965.	4
Material-Bone Catalog-Specimens 3100-3199, 3265, 3282 1964-1965.	4
Material-Bone Catalog-Specimens 3300-3399 1964-1965.	4
Material-Bone Catalog-Specimens 3400-3498 1964-1965.	4
Material-Bone Catalog-Specimens 3500-3599 1964-1965.	4
Material-Bone Catalog-Specimens 3600-3699 1964-1965.	4
Material-Bone Catalog-Specimens 3700-3799 1964-1965.	4
Material-Bone Catalog-Specimens 3800-3899 1964-1965.	4
Material-Bone Catalog-Specimens 3900-3997, 4464, 5240 1964-1965.	4
Material-Bone Catalog-Sheep/Goat Tabulations 1964-1965 (1 of 3).	4
Material-Bone Catalog-Sheep/Goat Tabulations 1964-1965 (2 of 3).	4

Material-Bone Catalog-Sheep/Goat Tabulations 1964-1965 (3 of 3).	4
Material-Bone Catalog-Dama 1964-1965.	4
Material-Bone Catalog-Ovis 1964-1965.	4
Material-Bone Catalog-Sus 1964-1965.	4
Material-Bone Catalog-Misc. 1964-1965.	4
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ERBABA PROJECT.

Scope and Contents note

The Erbaba Neolithic site was selected by Dr. Ralph Solecki during a survey of the Beysehir-Sugla region of southwestern Turkey during the summers of 1965-1966. The site yielded a Neolithic pottery, so that it was hoped that Erbaba might provide an overlap with the aceramic Suberde site in developing a chronology of Neolithic cultural development. In addition to pottery, a major focus of the Erbaba Project was the study of stone tool and worked bone manufacture and use. Excavation began in 1969, with

Jacques Bordaz as Director, followed by a study season in 1970 when Jacques was joined by Louise Bordaz. A 1971 excavation followed with Jacques as Director and Louise Associate Director from this period onward. The subsequent seasons were: 1973 (study), 1974 (excavation), 1975 (study), 1977 (excavation) and 1978 (study). Sponsoring institutions included the University of Montreal, Columbia University, and the University of Pennsylvania.

The Erbaba series consists of 5.5 linear feet of textual documents, 4 linear feet of folder files and an additional 1.5 linear feet of index cards and field notebooks. Procedures followed during excavation and the preparation and arrangement of documents followed those at Suberde. The excavation field notes were compiled in two series, by quadrant and also by area, generally corresponding to the 1969 and subsequent seasons. Field notes are often not dated, or contain documents with several dates, some evidently marked as viewed or inventoried in later years. Usually when this occurs the folder is left undated. Even when folders are dated, following some internal evidence, it is likely that the file contains papers from other years. Floral and faunal evidence is sparse. Publications and reports often include comparison with the Suberde project. Photographs from the Erbaba project are filed in the photographs series. Negatives of these photographs, as well as slides taken at Erbaba, are filed separately.

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ARCHAEOLOGICAL SITE SURVEY, 1961-1970.

Scope and Contents note

In a National Science Foundation grant proposal (1976), Jacques and Louise Bordaz wrote that they were in the process of studying “the evolution of human occupation in the Beysehir-Sugla region of Southwestern Turkey. This study...analyses the settlement pattern of Neolithic to Islamic periods in an anthropological and ecological perspective. A total of sixty sites have been recorded to date. Work on this project has been carried out since 1964 concurrently with the excavations.” The Archaeological Site Survey series (not original title) consists of a collection of Termatrix key cards containing coding with written text and drawings describing characteristics of a number of sites, mostly in Turkey, but some in the Middle East. Reference is made to the work of past archaeologists at these sites. From this data, the cards should date from around 1969, although some later additions must be from about 1974. It seems possible also, that information from the Dandalas Valley Project, as well as some files in the Louise A. Bordaz series, may have been used. There is no apparent order to the cards; they are filed as they were originally found. It is uncertain if this study was completed or published.

The Termatrix system was an efficient and less expensive alternative to the new computer data systems then in use. A folder with samples and instructions, although not specific to this key card system, explains how the Termatrix system worked. It is unlikely that the cards from the site survey can now be

read, but text and drawings on the cards are of value. There is a Termatrex machine in the collection of the National Museum of American History, Smithsonian Institution.

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TRADITIONAL CRAFTS OF TURKEY, 1968-1985.

Scope and Contents note

Jacques and Louise Bordaz noted in their 1976 NSF grant proposal that they were in the process of writing a volume on the “traditional crafts of Turkey. Data and illustrations for blade chipping, felt manufacture, pottery production, reed collection and mat weaving and the construction of stone village architecture are largely complete. Further data on mud-brick architecture, harvesting, dug-out canoe production and food preparation are among the topics to be studied in the future.” This series consists largely of notes taken in preparation for the study. The files contain a completed article on reed technology, and notes and correspondence in preparation for the film *Stone Knapping in Modern Turkey*.

The notes are not extensive and it is uncertain if the project ever went forward beyond this point. A 1979 National Geographic Society grant proposal (rejected) requests funds for a study of additional stone knapping sites in modern Turkey. A field notebook in the Louise A Bordaz series, "Ethnographic Observations and Misc. Notes," contains notes on architecture that may be related to this study. A large collection of slides, filed separately from this collection, provides graphic documentation of Turkish handicraft production beyond the scope of the 1976 proposal. Some photographs of traditional crafts are included in the photographs series of this collection. The film on stone knapping can be viewed at https://archive.org/details/upenn-f16-2008_Stone_Knapping_in_Modern_Turkey.

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PHOTOGRAPHS, 1956-1977.

Scope and Contents note

The photograph series contains prints, either contact or enlargement, related to several Bordaz projects: Peñitas, Mexico (1956, 1964); Dandalas Valley (1962); Suberde (1965, 1969-1976); Erbaba (1965, 1969-1977), and photographs documenting traditional crafts of Turkey taken over a period of years.

Some photographs (Mott's Point and Shanidar Cave) remain with their text files. There are negatives for most of the photographs in the series, cataloged and filed separately. When a negative has been matched to a print, the print will be marked with a number from 256,646 to 257,759, either on the back of the print or below the mounting. Prints from 35 mm. film are given one number for the entire film roll; larger format prints are numbered individually. Perhaps 20% of the negatives cataloged have not been matched to prints. These are usually additional photographs of excavation views or objects already in the photograph print series. Many are casual site photographs with workers and team members, some of a personal nature. There is a good negative set of team and worker portraits from Erbaba. There is also a set of 2 ¼ x 2 ¼ color positive transparencies of Suberde clay objects, cataloged with the negative series. The photograph series contains good documentation for objects from the Suberde project, and both objects and excavation documentation for the Erbaba project.

A large collection of color slides is filed separately from this collection. These include object and excavation photographs from both Suberde and Erbaba, as well as slides documenting Louise (Alpers) Bordaz' excavation at Karatas-Semayük, Turkey (1964-1968). This collection also contains a large number of slides related to the traditional crafts of Turkey project.

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