



ACCESSING THE ANCIENT NEAR EAST THE ORIENTAL INSTITUTE'S INTEGRATED DATABASE PROJECT

Foy Scalf and Helen McDonald
Oriental Institute
University of Chicago

Objectives

- Objectives
 - Ensure sustainable software environment appropriate for cultural heritage requirements
 - Make data accessible to scholarly and public audiences
 - Integrate data between institutional departments in unprecedented ways
 - Expand the scope and utility of the data and data functionality with core users in mind including staff, scholars, and public
 - Explore possibilities for further integration between sister institutions and projects

Introduction



- Database and Accessibility
 - Internal: KE EMu Client Software
 - Field Museum, Cairo Museum, Smithsonian, University of Pennsylvania, *inter alia*
 - Public: Browser Based Public Interface
 - Developed by University of Chicago Information Technology Services
 - Data exported from EMu and managed separately for faster dynamic searching, sorting, and browsing

A screenshot of a Microsoft Access database table. The table contains a list of records with columns for ID, Title, Author, and Date. The records are sorted by ID in descending order. The table is displayed in a grid view with a standard Microsoft Access interface.

Online Collections Database

- Integrated Searching
 - Build custom searches across two data silos
 - Browse collections based on preselected criteria

The screenshot displays the website's interface for the Oriental Institute of Chicago's Online Collections Database. At the top, there is a navigation bar with links for 'VISIT US | CONTACT US | MEMBERSHIP | MAKE A GIFT | CALENDAR | ORDER ONLINE | WHAT'S NEW' and a search box. The main header features the Oriental Institute logo and a featured event: 'OI Launches A dopt-a-Dig Program!'. Below the header, a sidebar on the left contains navigation tabs for 'RESEARCH', 'MUSEUM', and 'EVENTS'. The main content area is titled 'EXPLORE OUR COLLECTIONS' and includes a welcome message. Two featured collection sections are visible: 'Museum Collection' (with an image of a seated figure) and 'Research Archives' (with an image of a library interior). A search bar with a 'Submit' button is located below these sections. The bottom section, 'Objects from the collection', shows a large image of a Winged Bull and a detailed description: 'Winged Bull, rectangular, front carved in shape of human-headed bull, standing right, inscribed front between legs and on back. Learn More'. To the right of this image is a 'Browse Galleries' sidebar with dropdown menus for 'Museum Gallery', 'Object Type / Description', 'Materials', 'Place Name', 'Culture', and 'Dating', along with a 'Browse' button.

Online Collections Database

Integrated Searching

- Build complex searches between color coded data silos
- Integrated Museum Registration object data with Research Archives bibliographic records

Home > Integrated Database Search Print this Page

EXPLORE OUR COLLECTIONS

Welcome to the online home of the Oriental Institute's Integrated Database. This is an on-going project that aims to provide public access to information about the diverse research and object-based collections managed and cared for by the Oriental Institute.



Museum Collection

Explore over four thousand objects currently on-display in the permanent collection and special exhibitions galleries.



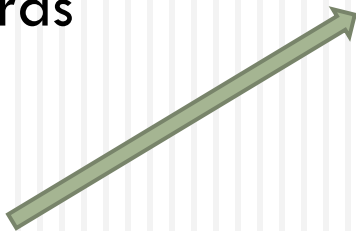
Research Archives

Browse over two hundred and fifty thousand entries that represent materials catalogued in the library since 1987, as well as complete analytics (essays, articles and book reviews) for materials catalogued since 1990.

Search All Demotic - +

and Ostrakon - +

or Muhs - +



Online Collections Database

➤ Integrated Searching

- View color-coded and integrated results easily filtered through tab controls and facets

The screenshot displays the Oriental Institute of the University of Chicago's Online Collections Database search results page. The page features a header with the institute's logo and a featured events banner. Below the header, there is a search bar with buttons for 'Begin a New Search' and 'Revise Your Search'. The search results are displayed in a table format, with a vertical navigation menu on the left side. The search results are filtered by 'demotic' and 'Object Type / Description: ostrakon'. The results are displayed in a table format with columns for '#', 'Result', and 'Current Gallery'. The first result is 'OSTRACON' with a description of 'INSCRIBED 1 SIDE' and material 'CLAY, BAKED'. The second result is 'The Demotic Chronicle' by Johnson, Janet H. (Author). The third result is 'Some Demotic Architectural Terms' by Gallo, P. (Author). The page also includes a 'Print this Page' button and a pagination control showing '1 - 50 of 619'.

Home > Integrated Database Search Print this Page

[Begin a New Search](#) [Revise Your Search](#)

You searched for:
demotic | AND Object Type / Description: ostrakon

[Research Archives](#) [Museum Collection](#) [Search All](#)

1 - 50 of 619 < >

#	Result	Current Gallery
1	OSTRACON M Description: INSCRIBED 1 SIDE Material: CLAY, BAKED Dimensions: 85X67 MM	Egyptian Gallery
2	The Demotic Chronicle R by Johnson, Janet H. (Author) [PERMANENT LOCATION] PAM: Johnson	
3	Some Demotic Architectural Terms R by Gallo, P. (Author) Published in: Aspects of Demotic Lexicography. by Vleeming, S. P. (Editor). Studia Demotica 1	

Online Collections Database

Filters and Facets

- Quickly filter between silos with tabs
- Refine searches with facets related to particular data silos

The screenshot shows the 'Integrated Database Search' interface. At the top, there are navigation links for 'RESEARCH', 'MUSEUM', and 'EVENTS'. A search bar contains the text 'ostracon'. Below the search bar, there are two tabs: 'Research Archives' (selected) and 'Museum Collection'. The search results are displayed in a table with three entries. Each entry includes a registration number, a description, material, dimensions, country, site level, period, and date. To the right of the search results, there are three facet panels: 'Object Type/Description', 'Materials', and 'Place Name'. The 'Object Type/Description' facet shows 'Classification Broad Writing (26)' and 'Classification Specific OSTRACON (26)'. The 'Materials' facet shows 'Materials Broad CLAY (14)' and 'Stone or Rock (12)'. The 'Place Name' facet shows 'Region', 'Country', 'Various Sites', 'No facets', and 'Locus'. A green arrow points from the 'RESEARCH' tab to the 'Research Archives' tab, and another green arrow points from the 'Materials' facet to the 'Materials' section of the search results.

Home > Integrated Database Search Print this Page

[Begin a New Search](#) [Revise Your Search](#)

You searched for:
Object Type / Description: ostracon

[Research Archives](#) [Museum Collection](#) [Search All](#)

1 - 26 of 26 < >

#	Result	Refine Results
1	OSTRACON M Description: INSCRIBED Material: CLAY, BAKED Dimensions: 78L MM Country: EGYPT Site Level 1: Thebes Site Level 2: -- Site Level 3: -- Site Level 4: -- Period: -- Date: -- Current Gallery: Special Exhibits Registration Number: E 18876	Object Type/Description - Classification Broad Writing (26) - Classification Specific OSTRACON (26) + Description
2	OSTRACON M Description: POTTERY OSTRACON,ALMOST RECTANGULAR, PAINTED HEAD DRESS Material: CLAY, BAKED Dimensions: 54X34X12MM Country: EGYPT Site Level 1: Serra East Site Level 2: -- Site Level 3: -- Site Level 4: -- Period: BYZANTINE - EARLY ISLAMIC Date: -- Current Gallery: Nubian Gallery Registration Number: E 19545	Materials - Materials Broad CLAY (14) Stone or Rock (12) + Materials Specific
3	OSTRACON M Description: POTTERY OSTRACON,IRREGULAR SHAPE,INSCRIBED IN COPTIC Material: CLAY, BAKED Country: EGYPT Site Level 1: Serra East Site Level 2: -- Site Level 3: -- Current Gallery: Nubian Gallery	Place Name + Region + Country + Various Sites No facets + Locus

Culture
+ Culture

Online Collections Database

➤ Filters and Facets

- Quickly filter between silos with tabs
- Refine searches with facets related to particular data silos

The screenshot displays the Oriental Institute of the University of Chicago's Online Collections Database search results page. The page features a navigation bar with tabs for 'RESEARCH ARCHIVES', 'MUSEUM COLLECTION', and 'SEARCH ALL'. A search bar shows the query 'demotic | AND Object Type / Description: ostracon'. The results are displayed in a table with columns for '#', 'Result', and 'Refine Results'. The 'Refine Results' panel includes facets for 'Format', 'Authors', and 'Publication Year'. A green arrow points from the text 'Quickly filter between silos with tabs' to the 'Research Archives' tab. Another green arrow points from the text 'Refine searches with facets related to particular data silos' to the 'Refine Results' panel.

Home > Integrated Database Search Print this Page

Begin a New Search Revise Your Search

You searched for:
demotic | AND Object Type / Description: ostracon

Research Archives Museum Collection Search All

1 - 50 of 618 < >

#	Result	Refine Results
1	The Demotic Chronicle by Johnson, Janet H. (Author) [PERMANENT LOCATION] PAM: Johnson	Format Journal Volume Article (297) Series Volume Section (164) Monograph (59) Series Volume (53) Monograph Section (38) More
2	Some Demotic Architectural Terms by Gallo, P. (Author) Published in: Aspects of Demotic Lexicography. by Vleeming, S. P. (Editor). Studia Demotica 1 Leuven: Peeters, 1987, 35-41. [PERMANENT LOCATION] S/STDEM/1	Authors Johnson, Janet H. (71) Tait, W. J. (16) Vleeming, S. P. (16) Depauw, Mark (14) Jasnow, Richard (14) More
3	A Regional Variant in Demotic Orthography: C? [Demotic] as nfr by Ritner, Robert K. (Author) Published in: Enchoria 12: (1984), 187-188. [PERMANENT LOCATION] J/ENC/12	Publication Year This year (3)
4	How demotic is Demotic by Ray, John David C. (Author)	

Online Collections Database

Filters and Facets

Hierarchical bibliographic records allows for easy navigation between levels

Series Search

The screenshot displays the Oriental Institute of the University of Chicago's Online Collections Database search results page. The page features a navigation menu on the left with 'RESEARCH', 'MUSEUM', and 'EVENTS' options. The main content area shows search filters for 'Research Archives', 'Museum Collection', and 'Search All'. The search results are displayed in a table format with columns for '#', 'Result', and 'Permanent Location'. The results list two entries for 'Alter Orient und Altes Testament'.

Home > Integrated Database Search Print this Page

[Begin a New Search](#) [Revise Your Search](#)

You searched for:
Series: Alter Orient und Altes Testament

[Research Archives](#) [Museum Collection](#) [Search All](#)

1 - 2 of 2 < >

#	Result	[PERMANENT LOCATION] S/AOAT
1	Alter Orient und Altes Testament Münster: Ugarit-Verlag by Dietrich, Manfred (Editor); Loretz, Oswald (Co-Editor); Neumann, Hans (Co-Editor)	S/AOAT
2	Alter Orient und Altes Testament Sonderreihe Kevelaer, Neukirchen-Vluyn: Verlag Butzon & Bercker, Neukirchener Verlag des Erziehungsvereins by Bergerhof, Kurt (Editor); Dietrich, Manfred (Co-Editor); Loretz, Oswald (Co-Editor)	S/AOATS

1 - 2 of 2 < >

[Begin a New Search](#) [Revise Your Search](#)

Online Collections Database

Filters and Facets

- Hierarchical bibliographic records allows for easy navigation between levels

➤ Volumes in Series

The screenshot displays a search results page for the 'Alter Orient und Altes Testament' series. The interface includes a navigation menu on the left with 'RESEARCH', 'MUSEUM', and 'EVENTS' tabs. The main content area shows search results with columns for '#', 'Result', and 'Refine Results'. The search results list five items, each with a 'Result' column containing the title, author, and publication details. The 'Refine Results' column on the right provides filters for Format, Authors, Publication Year, Journals, and Series.

Home > Integrated Database Search Print this Page

Begin a New Search Revise Your Search

You searched for:
Series: Alter Orient und Altes Testament

Research Archives Museum Collection Search All

1 - 50 of 273 < >

#	Result	Refine Results
1	Untersuchungen zur Totenpflege (kispum) im alten Mesopotamien R by Tsukimoto, Akio (Author) Alter Orient und Altes Testament 216 Kevelaer, Neukirchen-Vluyn: Verlag Butzon & Bercker, Neukirchener Verlag, 1985 [PERMANENT LOCATION] S/AOAT/216	Format Series Volume (273)
2	šima milka: Induktion und Reception der mittelbabylonischen Dichtung von Ugarit, Emar und Tell el-Amarna R by Kammerer, Thomas R. (Author) Alter Orient und Altes Testament 251 Munster: Ugarit-Verlag, 1998 [PERMANENT LOCATION] S/AOAT/251	Authors Loretz, Oswald (16) Deitrich, Manfred (7) Berger, Rykle (6) Dietrich, Manfred (6) Berger, Paul-Richard (5) More
3	Die Namen der Keilschriftzeichen R by Gong, Yushu (Author) Alter Orient und Altes Testament 268 Munster: Ugarit-Verlag, [PERMANENT LOCATION] S/AOAT/268	Publication Year This year (5) Last 10 years (113) Past 50 years (224)
4	Alter Orient und Altes Testament: Veröffentlichungen zur Kultur und Geschichte des Alten Orients und des Alten Testaments R by Alter Orient und Altes Testament 21 : [PERMANENT LOCATION] S/AOAT/21:2	Journals No facets
5	Prophetie und Psalmen	Series No facets

Online Collections Database

Filters and Facets

- Hierarchical bibliographic records allows for easy navigation between levels
- Volume Record

The screenshot displays a web interface for an online collections database. On the left, a vertical navigation menu contains three categories: RESEARCH (blue), MUSEUM (red), and EVENTS (yellow). The main content area is titled 'Home > Integrated Database Search' and includes a 'Print this Page' button in the top right corner. Below the title, there are two buttons: 'Begin a New Search' and 'Revise Your Search'. The search results are displayed as 'You searched for: Series: Alter Orient und Altes Testament'. A horizontal bar below the search results contains three buttons: 'Research Archives' (blue), 'Museum Collection' (red), and 'Search All' (yellow). A 'Return to Search Results' button is located below the horizontal bar. The main content area displays a list of metadata for a volume record:

Type:	Series Volume
Authors:	Oelsner, Joachim (Festschrift Honoree)
Title:	Assyriologica et Semitica
Series:	Alter Orient und Altes Testament 252
Publication City:	Münster
Publisher:	Ugarit-Verlag
Date:	
Extension:	1 volume (xii + 635 pages [illustrated])
	See a list of articles from this volume
Location:	[PERMANENT LOCATION]
Call Number:	S/AOAT/252
Reference Numbers:	3-927120-62-6
Reference Source:	ISBN
Acronym:	--
Acronym Source:	[BibAcronymSource]

Online Collections Database

Filters and Facets

- Hierarchical bibliographic records allows for easy navigation between levels

➤ Article Records

Home > Integrated Database Search Print this Page

[Begin a New Search](#) [Revise Your Search](#)

You searched for:
Series: Alter Orient und Altes Testament

[Research Archives](#) [Museum Collection](#) [Search All](#)

1 - 42 of 42 < >

#	Result	Refine Results
1	The Descendants of Sⁿn-leqi-unninni R by Beaulieu, Paul-Alain (Author) Published in: Assyriologica et Semitica. by Oelsner, Joachim (Festschrift Honoree). Alter Orient und Altes Testament 252 Münster: Ugarit-Verlag, , 1-16. [PERMANENT LOCATION] S/AOAT/252	Format Series Volume Section (42)
2	Hellenistisches in der Baukunst von Nisa R by Brentjes, Burchard (Author) Published in: Assyriologica et Semitica. by Oelsner, Joachim (Festschrift Honoree). Alter Orient und Altes Testament 252 Münster: Ugarit-Verlag, , 17-28. [PERMANENT LOCATION] S/AOAT/252	Authors Marzahn, Joachim (2) Beaulieu, Paul-Alain (1) Brentjes, Burchard (1) Dandamayev, Muhammad (1) Demoli, Nazif (1) More
3	The Neo-Babylonian rab sibtī R by Dandamayev, Muhammad (Author) Published in: Assyriologica et Semitica. by Oelsner, Joachim (Festschrift Honoree). Alter Orient und Altes Testament 252 Münster: Ugarit-Verlag, , 29-32. [PERMANENT LOCATION] S/AOAT/252	Publication Year No facets
4	"Als Anu den Himmel erschahhe hatte,..." Rekurs auf das Schöpfungsgeschehen anlässlich einer Tempelrenovierung R by Dietrich, Manfred (Author)	Journals No facets
		Series No facets
		Publisher No facets

Online Collections Database

- Integrated Data
 - View publication information for objects and click to view pages where objects appear

Home > Integrated Database Search Print this Page

Begin a New Search Revise Your Search

Museum Collection Registration Number A 22213 +


You searched for:
Registration Number: A 22213 Submit

Research Archives Museum Collection Search All

[Return to Search Results](#)

Plaque (Plaque)
Classification/Broad: Plaque
Classification/Specific: Plaque (Plaque)
Material/Broad: FAUNAL, INCLUDING HUMAN
Material/Specific: IVORY
Measurements: 100HX70W MM 8MM MAX. TH

Description: CARVED FEMALE SPHINX HOLDING CUP, OPENWORK, FRONT SLIGHTLY CONVEX FROM SIDE TO SIDE, TENONS AT TOP AND BOTTOM, PLAIN BACK




Region: Unknown Region Israel
Country: Israel
Site Level 1: Megiddo
Site Level 2: --
Site Level 3: --
Site Level 4: --

Period: LATE BRONZE AGE II

1 Ancient Israel: Highlights from the Collections of the Oriental Institute of the University of Chicago: Featuring Objects from the Haas and Schwartz Megiddo Gallery
By Hirsch, Gabriele (Author)
Oriental Institute Museum Publications 33
Chicago: Oriental Institute of the University of Chicago, 2011
[PERMANENT LOCATION] S1286P33
Online Open Access [pl. 7, no. 21](#)

2 The Megiddo Ivories
By Lutz, Gordon (Author)
Oriental Institute Publications 52
Chicago: University of Chicago Press, 1979
[PERMANENT LOCATION] S1287P52 [p. 52-53, cat. no. 29](#)



Online Collections Database

- Integrated Data
 - View publication information for objects and click to view pages where objects appear

Home > Integrated Database Search Print this Page

Begin a New Search Revise Your Search

Museum Collection Registration Number A 22213 +

You searched for:
Registration Number: A 22213 Submit

Research Archives Museum Collection Search All

oimp31.pdf (SECURED) - Adobe Acrobat Pro

29. FEMALE SPHINX PLAQUE
Ivory
Late Bronze IIB
1300-1200 BC
Megiddo, Stratum VIIA
10.0 x 7.0 x 0.8 cm
OIM A22213

THIS PLAQUE IS ONE of three found among the Megiddo ivories to depict a recumbent, winged female sphinx. Egyptian sphinxes were more typically male and rarely featured wings. The very few examples of winged female sphinxes that have been found in Egypt are all adorned with helmets topped by floral arrangements and are generally holding a legible cartouche.

Several features of this example from Megiddo suggest that it was not manufactured in Egypt, but rather by a local artisan. In contrast to the typical style of Egyptian adornment, this sphinx wears a flattened helmet over which is situated a large arrangement of lotus flowers. Furthermore, the sphinx holds an object which, although unclear in nature, is certainly not a cartouche. Finally, and perhaps most telling, inscribed on the tenon at the base of the ivory and resembling the letter "x" is what appears to be the Canaanite letter *tav*.

NONNS AT TOP AND BOTTOM,

Items of the Oriental Institute of the University of Chicago, 2011
[pl. 7, no. 21](#)

1979
[p. 52-53, cat. no. 29](#)

Period: LATE BRONZE AGE II

Summary

- Sustainable platform for data stewardship
- Integrated bibliographic and object data searching, sorting, and browsing
- Migration of further data silos and integration between bibliographic, object, conservation, archival, photographic, and GIS data
- Expanded data entry to include archaeological field data, author's biographical data, links between volumes and volume reviews (and vice versa), and further thesaurus refinement for integration between silos
- Eventual integration between fellow institutions