

The Oriental Institute 80–81 Annual Report

The University of Chicago

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Table of Contents

1	(Introduction
	From the Director 1 • Dedication 3 •
2	(Archeology
	Epigraphic Survey 7 • Prehistoric Project 23 • Chogha Mish 25 • Nippur and Hamrin 27 • Nubian Project 31 • Quseir 32 • Kurbar Höyük 36 •
3	(Philology
	Ancient Society and Economy 40 • Assyrian Dictionary 42 • Hittite Dictionary 42 • Demotic Dictionary 44 • Aramaic Papyrus 47 •
4	(Scholarship 49
	Individual Research 49 • Islamic Bookbindings Symposium 55 • Re search Archives 62 • Publications 64 •
5	(Museum 66
	The Museum 66 • Conservation 70 • Education 71 •
6	People
	Membership 73 • Volunteers 74 • The Suq 78 • The Tripp and Schwartz Endowment Funds 80 • Visiting Committee 81 • Membership Fund 124 •

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1 (Introduction

To the Members and Friends of the Oriental Institute:

The political turbulence of the modern Middle East often affects those dealing with the ancient Near East. Our excavation house at Chogha Mish in southwestern Iran has been closed since that country's Islamic revolution in 1979. In the autumn of 1980, for the first time in several years, our expedition to Iraq was forced to remain at home because of the Iran-Iraq war. In Turkey, which saw a military coup in September 1980, the Institute's prehistoric expedition continued working in the field through the changeover; and one of our cuneiformists came in for museum research on the very day the airports reopened for traffic. Fortunately some of the interruptions are minor (the Iraq team expects to be at work again this coming fall), and an occasional enforced layoff usually means salutary attention at home to writing overdue excavation reports.

The Institute's salvage excavations at Kurban Höyük (Turkey), under the direction of Leon Marfoe, began in the summer of 1980 with a short preliminary season to map out research strategies on the site. The first lengthy excavations are now just under way (June 1981) and will investigate what type of settlements the Euphrates trading region in southern Turkey had at the time of the late Amuq and Ebla phases in Syria. This excavation has been made possible by a substantial grant from the National Endowment for the Humanities, matched dollar-for-dollar by generous contributions from our members and from the Visiting Committee.

This year the Assyrian Dictionary project marked its sixtieth anniversary with a festive fund-raising dinner sponsored by the Visiting Committee. At the dinner, the article-writing fraternity of young faculty and research associates demonstrated hitherto undetected musical abilities; and Matthew Stolper gave an unforgettable performance as a downtrodden Mesopotamian husband coming home from a hard day at the mud works. With this lavish display of talent and the generosity of the Visiting Committee, the Institute has now succeeded in raising over \$88,000 (of a targeted goal

of \$186,000) toward dollar-for-dollar matching funds from the National Endowment for the Humanities. The Assyrian Dictionary, with significantly expanded staffing from NEH money, now has five volumes in various stages of production.

The Epigraphic Survey, after completing major overhauls of the plumbing and electrical systems at its headquarters, is turning its attention to the west-bank temple complex at Medinet Habu. Smithsonian grants continue to support a major portion of these operations, which are discussed fully below.

The Museum has organized several special exhibitions: nine-teenth-century photographs of the Near East (Bonfils), folk costumes of Palestine ca. AD. 1900 (Klingeman collection), Islamic bindings and bookmaking, and Alexander and the East. The Islamic bindings show has been sponsored in part by the National Endowment for the Humanities; and its opening was marked by a symposium and the publication of a detailed, illustrated catalogue.

New faculty appointments this year were Matthew W. Stolper, associate professor, and Martha T. Roth, assistant professor—both appointed in the field of Assyriology as replacement for Assyrian Dictionary staff members who had resigned (Hermann Hunger and Maureen Gallery).

At the end of June I will have completed three terms as Director since 1972 and have declined reappointment. Effective July 1, Robert McC. Adams will be the new Director. His many friends, including those of you who knew him as Director from 1962 to 1968, will welcome his leadership in what promises to be a challenging and interesting period.

In concluding these remarks for the ninth time, I am more than usually aware of the enormous debt of gratitude which we all owe to you, our members, for your continuing interest and support. You have made it possible for us to continue active programs of research in financially very stringent times. I must select for a special word of thanks our extraordinary Visiting Committee and its chairman, Margaret Cameron; this committee has taken the initiative in numerous fund-raising enterprises to keep our archeological and philological projects flourishing. It is particularly appropriate in this Annual Report for members to commend our peerless Sub-Committee on Membership (Albert Haas, William Roberts, Roderick and Madge Webster), who have helped plan expanded public programs and are largely responsible for the fourfold increase in membership over the past eight years. I would also like to take this occasion to thank publicly those who have shared the

burdens of the Institute's administrative office over the past few years: Elena Druskis, Mary Ellen Cowan, Susan Smith, and Evada Waller. I am deeply indebted to all of you, for it has been your continuing cooperation that has made possible the research activities described in the following pages.

June 28, 1981

JOHN A. BRINKMAN Director

Postscript. We regret to report that Nabia Abbott, Professor Emeritus of Islamic Studies, died on October 15, 1981 at the age of 84. Miss Abbott, an outstanding scholar in the field of Arabic papyrology and historian-biographer of illustrious Islamic women of the Middle Ages, had recently seen and appreciated the Festschrift prepared in her honor as part of the 1981 issue of the Journal of Near Eastern Studies. Her rich and meticulous scholarship will long be a standard of excellence in her field.

Dedication

The effectiveness and scope of the research programs of the Oriental Institute have often been significantly enhanced by the devoted work of its professional, non-academic staff. This Annual Report is dedicated to three outstanding staff members, now retired, each of whom worked here for four decades and left a lasting imprint on the institution: Johanne Vindenas, Elizabeth Hauser, and Robert Hanson.

Johanne Vindenas came to the Institute in 1924, five years after its founding. From then until her retirement in 1964, she built up the most complete and best organized library collection on the ancient Near East in the United States. So exceptional was the range of this library that G. K. Hall Publishers in Boston in 1970, just before the centralization of most of this university's humanities and social science libraries, published in sixteen large volumes a complete catalogue of the Institute's collection. Miss Vindenas' knowledge of and devotion to her bibliographical treasures were legendary, and she unhesitatingly but impartially took to task any Institute scholar—faculty member or student—who dared to transgress her rules on circulating books. (The term "dared" is used



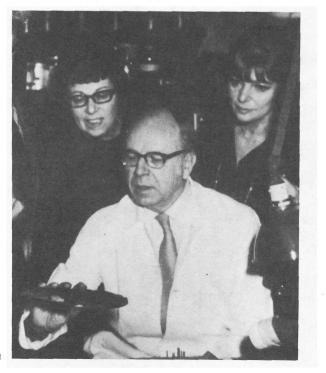
Johanne Vindenas

advisedly, since even the senior members of the Assyrian Dictionary staff referred to her privately as "The Dragon" and went to extraordinary lengths to avoid her mild wrath.) Under her aegis, Institute faculty, staff, and students enjoyed the use of an unparalleled research instrument, which even today in its remote reincarnation is a source of envy to less fortunate scholars. After her retirement, Miss Vindenas served for many years as volunteer registrar on the Institute's excavations at Chogha Mish in Iran. Today at 82, Miss Vindenas lives in retirement in Norway, though the seriousness of the retirement is occasionally called into question as word reaches here of sundry skiing exploits. We salute Miss Vindenas for her years of dedicated service and extend good wishes that the skis may long continue in use.

Elizabeth Hauser began work in the Institute's editorial department in 1931 and retired as head of that department at the beginning of 1971. In the meantime, she had edited and produced so many books that her name had become virtually synonymous with the Oriental Institute's publication series. She edited manuscripts in French, German, or English and had acquired a working knowledge of so many ancient languages that she could probably have taught comparative courses in several disciplines. To the everlasting gratitude of many would-be authors, she relentlessly pursued accu-



Elizabeth Hauser, portrait by Ursula Schneider



Robert Hanson

racy of content and felicity of expression; and to "hauserize" a manuscript meant to subject it to an exhaustive process of questioning, checking, rewriting, and polishing until it could pass the exacting scrutiny of the editor herself. Her standards were rigorous, and on more than one occasion she did more research on a book to edit it than had its author to put it together. The Hauser legacy was a long line of superlatively prepared publications, edited in a grand tradition. Today in her eightieth year, Mrs. Hauser lives quietly in the Hyde Park community near the university campus. We thank Mrs. Hauser for her decades of active work and wish her and her husband many more happy years together.

Robert Hanson worked on the preparatorial staff of the museum from 1933 to 1975, retiring as Museum Preparator. His skills as carpenter, electrician, and restorer brought museum exhibits to life; and there were few technical problems connected with any project in the Institute building that he couldn't resolve with his gentle talents. From pottery menders in the basement to dictionary staff on the third floor, we pestered him day in and day out with countless minor and major problems and awaited his unperturbed solution. His patience and his unflappability were inexhaustible in a crisis and helped to soothe those whose compatibility with machinery was marginal. In later years, he used his construction talents to build a small plane in his garage; and at the age of sixty-five he began taking flying lessons. Robert Hanson, now 72, and his wife live in Florida in a house he built mostly by himself. We are grateful to Mr. Hanson for his many years of service, and we hope that both the Hansons enjoy many more happy years of retirement.

To our three senior staff members, Johanne Vindenas, Elizabeth Hauser, and Robert Hanson, who gave so much of themselves to the Oriental Institute, we affectionately inscribe these pages.

2 (Archeology

The Epigraphic Survey

Lanny Bell

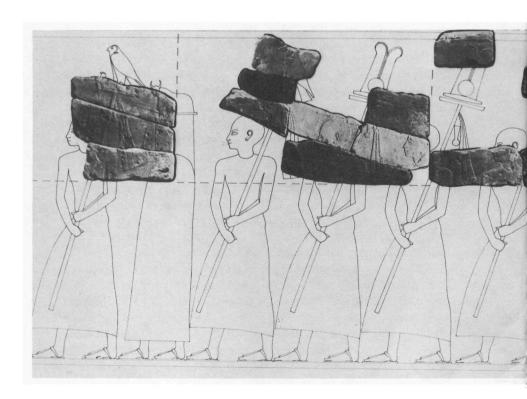
The 1980–81 season of the Epigraphic Survey, our fifty-seventh, extended, as usual, from October 15 to April 15. The season began ominously when a live scorpion was found in one of the bathtubs, probably having entered while the room was open during the replumbing described in last year's Annual Report. Then the truck transporting expedition food and supplies, as well as library books, caught fire on the Cairo-Luxor road. Damage was minor, with the exception of a brand new typewriter, whose plastic cover was melted.

Maintenance this year included the installation of a new central hot water heater, miraculously built by our Chief Engineer, Mr. Saleh Shehat Suleiman, in only three days, when the old one rusted through in the week before Christmas. Although the local electrical current available to us at Chicago House is now much more stable than reported earlier, we are still dependent on our own generator during periods of unusually heavy usage and frequent blackouts. So when the generator suddenly stopped working one night, we were greatly relieved to discover the next day that it was only a loose connection. We put a new tank on the darkroom roof to help settle out some of the sediment in our water supply and raise the water temperature for processing during the winter months. Minor refurbishing included the recaning of all the chairs and sofas in the residence wing. In addition, we rebuilt the brakes of our 1950 Chevrolet (driven out by George Hughes in the fall of 1949) with spare parts carried from America.

The library continues its steady growth, with some reorganization called for next season, so that additional shelving can be added to accommodate new acquisitions in a logical fashion. We put locks on the oversized cabinets this year to restrict usage of our most valuable and more easily damaged volumes. We also increased our insurance, doubling the fire insurance and tripling the theft; even so, the property is terribly underevaluated. Many books are irreplaceable, and should be photo-copied or microfilmed. Research on

one particularly rare volume (only one copy is known in America), containing a collection of plates made from the drawings of Jean Jacques Rifaud during his travels in Egypt in 1805–27, revealed an apparently unique list of subscribers (many royal) to one of the early editions of the work.

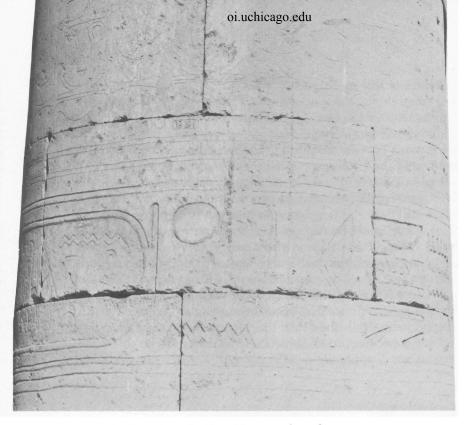
Freed from the necessity of constant attention to the condition of the physical plant of Chicago House, I was finally able to assume a more active role in the scientific pursuits of the expedition. This was especially timely, since our professional staff had to be reduced this year due to strictures in our dollar budget. Nevertheless, everyone on this season's staff had at least one year's prior experience with the Epigraphic Survey, so we were able to make the most of the available manpower. Besides our Engineer, Saleh Shehat, mentioned above, my wife Martha, and myself, the staff this year consisted of Dr. William Murnane and Mr. Bernard Fishman, Epigraphers; Messrs. Thad Rasche and W. Raymond Johnson, Artists; Ms. Karen Krause, Photographer-Artist; Ms. May Trad, Librarian; and Dr. Labib Habachi, Consulting Egyptologist.



The major thrusts of this year's fieldwork revolved around questions raised during the course of work described in previous Annual Reports. Next season will see the final check of all the drawings produced in Luxor Temple for accuracy and readability. Already this season a flaw was identified in the proportions of our measured drawings of the offering scenes on the fourteen enormous columns of the Colonnade. We have completely eliminated the error in three representative scenes, and have controlled it in the rest, but will refrain from the temptation to invest the additional time and effort which would be required to redraw these, too, as strict facsimiles. Work continued on the nearly invisible Roman period scenes and hieroglyphic inscriptions located in the passageway connecting the Colonnade with the Court of Amenhotep III to the south. Last noted by the French archeologist Gayet in 1886-87, the best-preserved area has never been reported, apparently still lying buried beneath the debris which encumbered the Colonnade until its excavation in 1888-92. These messages left to us by the ancients are disappearing rapidly, and ours is the last opportunity



A portion of a reconstructed scene showing the festival of the god Min (see p. 16). Here the priests carry standards bearing divine emblems. (photographs by Karen Krause, drawing by Ray Johnson)



A column from the Tutankhamun colonnade

to make accurate copies of them before they perish. We have confirmed the reading of the traces of the royal names as those of the Emperor Tiberius, making these the latest surviving inscriptions in situ in the temple still associated with the pharaonic cult of Amun.

We have examined old prints and photographs of Luxor Temple in the last century to establish the height of the occupation debris prior to its removal, and the existence of modern mud brick structures whose traces are still visible in the Colonnade. We have been intrigued by the well documented house of one Mustafa Agha Ayat, American Consular Agent by 1857, later representing British, Belgian, and Russian interests, before his disgrace in the Theban tomb robbery scandals not long before his death in 1887. His house stood among the columns for at least thirty years, though it was not yet in existence at the time of a photograph taken by Maxime du Camp in the early 1850s. We have coordinated the height of the debris, and the position of the houses, with the graffiti of



The Luxor Colonnade about 1870, being used as a monumental portico fronting the mud-brick house of Mustapha Agha—note the level to which the columns have been buried by debris (photo no. 99 from the Frith Series, Oriental Institute collection)

the Colonnade. The ancient Greek, Coptic, and Arabic graffiti (there are no demotic ones) lie beneath the nineteenth-century ground level, whereas the notices left by the modern European travellers (dated 1804-1865), plus some modern Arab ones, lie on or above the seventh stone course of the column shafts, with most concentrated on the eighth and ninth courses-all easily reached from the ground level prior to 1888. A mystery exists in regard to a hieroglyphic cartouche scratched onto a column at the top of the tenth course. Described as being the name of an otherwise unknown "Amarna princess," it is surely a modern fabrication. The highest graffito discovered so far, it could have been reached from a short ladder prior to excavation. Strangely, it was seen by Rosellini in 1828, scarcely six years after Champollion's decipherment of the hieroglyphic script. How it got there and what it means are not yet clear, but we hope to find out more about it in Rosellini's unpublished manuscripts in Pisa.

Our study of the relief and painted decoration of the Colonnade



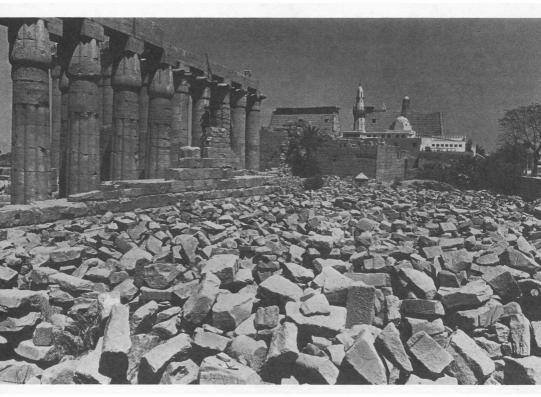
An enigmatic graffito from the Luxor Colonnade, the cartouche of an "Amarna princess," almost certainly a hoax perpetrated by a nineteenth-century visitor (photograph by Eric Krause)

has revealed the succession of pharaohs who added their figures and texts here, not only in empty spaces, but also freely altering the work of their predecessors, erasing, redesigning, and recutting elements predating themselves. The traces of original decoration tell us a great deal about the history of ancient activities in the Colonnade. We have found evidence for the names of Amenhotep III (most inscribed by Tutankhamun, who depicted Amenhotep III in many scenes), Tutankhamun, Eye, Horemheb (who erased most of the cartouches of Tutankhamun and Eye), Sety I, Ramesses II, Merneptah, Amenmesse, Sety II, Ramesses III, and Ramesses IV—all in a period of about two hundred years—as well as Philip Arrhidaeus (the brother of Alexander the Great, who, as a son of Zeus-Ammon, restored the sanctuary of the temple), and Tiberius.

The discovery of original decoration of King Eye, the ephemeral successor of Tutankhamun, was one of the pleasant surprises of our work on the Colonnade. He is depicted officiating at Tutankhamun's funeral in the latter's tomb. Evidence of Eye's activities at Luxor had been restricted previously to a text associated with his renewal of a doorway before the sanctuary area; but it is now clear that he also carved some of the reliefs on the facade of the Eighteenth Dynasty building. When Ramesses II extended the temple to the north, along the sacred way leading toward Karnak, and the old facade was incorporated into his new courtyard, he erased Eye's raised relief up to the height of the roof of the portico, replacing it with his own sunk relief. However, sufficient traces remain to

permit us to reconstruct much of the earlier version. On the whole, Ramesses II slenderized the proportions of the rather ample late Eighteenth Dynasty figures, superimposing his own representations directly over them. We have been able to determine that his artists very skillfully utilized much of the original surface in the area of the faces and hands of the depictions of Amun and Mut on the eastern facade, preserving the style of the monumental relief from the time of Eye.

Ramesses II also erased much of the decorated surface of the three over-life-sized indurated limestone statues standing just inside the northern gateway of the Colonnade, reinscribing them with his own texts. We have established the areas of original decoration, and identified the surviving traces of it. Unfortunately, the names



One of the piles of rubble from which the fragments making up the scene shown on p. 8 were retrieved

of the original royal donor have been removed completely, but the primary candidates are Tutankhamun and Horemheb. The attribution must be based on the style of the sculptures, with the evidence favoring Tutankhamun. The head of the figure of Amun in the smaller dyad was discovered during excavations in the Ramesside court in 1958. Fragments of yet a fourth statue are now lying in the Colonnade, along with one piece turned up in our block search. The three statues are presently standing in places prepared for them in antiquity, but cuttings on the adjacent column bases and the presence of a gap in the decoration at the south end of the hall lead us to speculate that they must have been moved there from their original positions by a successor of Ramesses III, probably Ramesses IV.

In the early spring we made another systematic search of the Luxor Temple area for additional fragments for our reconstruction of the "lost Colonnade," the upper reaches of the walls which were dismantled for reuse as building material after the end of the pharaonic period. The large, New Kingdom building blocks being unwieldly, each one was broken or cut into several smaller pieces prior to being carried away for reuse. Much decorated surface has been lost in this way, and even if the fragments were not further shaped, the pieces of a single block no longer necessarily fit together neatly. Largely collected between 1949 and 1960 by various members of the Egyptian Antiquities Organization excavating at the front of the temple and along the avenue of sphinxes, they remain completely unpublished, except for the few illustrated in last year's Annual Report.

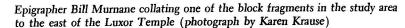
Preparations for the search included cutting and removing all the camel thorn and brush growing around the stone piles. During the search, a scorpion hiding under a rock near the river road was quickly dispatched when we turned the rock over to examine its decoration. Working with copies of Ray Johnson's reconstructions of the fragments already assembled, we organized ourselves into two teams of two persons each, one team searching mornings, the other afternoons, to take advantage of the effect of different lighting to facilitate recognition of the fragments we were looking for. Each team compiled a list of fragments for possible inclusion, and the two lists were compared. Conferences were held over questionable pieces. The location of each fragment was noted, and the piles were carefully taken down to extract the desired stones, which were then moved to our study area for matching, photography, and

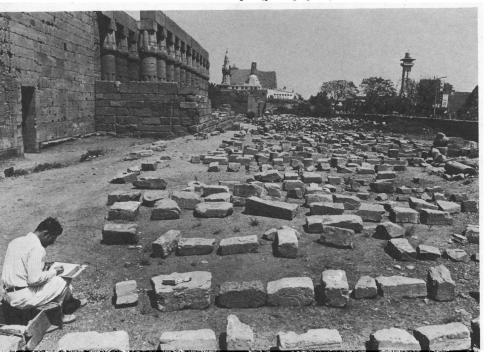


drawing. Although we do not know the provenance and context of the individual stones at the time of their excavation, we often find adjoining blocks clustered together in the stone piles, undoubtedly reflecting their proximity prior to excavation, as well as their consecutive reemployment at the time of the disassembly of the New Kingdom walls of which they were part. However, fragments from a single composition are also found isolated and scattered quite far from one another.

By the end of this season, we had confirmed the placement of 177 of the fragments selected previously, adding 144 new ones, for a total of 321 to be included in our publication. Some of the larger reconstructed scenes contain sizeable numbers of fragments: Min festival procession (29), towboats (31), Khonsu barque (15), King with offering list (12), procession of the barque of Amun (10).

Some of the fragments fit directly on top of the standing walls, and may be replaced physically, as was done in 1934 with a fallen block whose position could be identified then. A representation of offerings being presented before the barque of Amun, which we have reconstructed from 53 separate parts, can be reassembled atop the eastern wall of the Court of Amenhotep III just to the south of the Colonnade, and we will apply to do so and record the scene in extenso next season. In the course of our work this year we pointed out three areas for consolidation in the Colonnade, two





on columns and one on the wall, which the skilled restorers of the Antiquities Organization then repaired.

While sorting through the thousands of fragments piled up around Luxor Temple we also kept lists of other interesting and important categories of texts which we encountered, many undoubtedly brought here originally from Karnak. These include limestone fragments inscribed with the names of the Middle Kingdom rulers Amenemhet I and Sesostris III, a black granite fragment with the cartouche of Thutmose II, sandstone pieces mentioning Hatshepsut and Thutmose III (including some later rededications), offering lists, names of foreign lands, references to High Priests of Amun during Dynasty XXI, inscriptions of the Fourth Prophet of Amun and Mayor of Thebes Montuemhet, and a column drum with a cartouche of the rarely attested Twenty-Ninth Dynasty pharaoh Nepherites I, giving a new spelling of his names. After photography, we requested the Antiquities Organization to remove the Amenemhet I and Thutmose II fragments to storage in the sealed magazine at Luxor Temple. We shall submit an application to publish these and some other fragments separately. In addition, we discovered five new fragments of the Bentresh inscription, described two years ago, bringing our total to thirty-four; these have all been assembled in preparation for reconstructing their text.

Françoise Traunecker of the Franco-Egyptian Center at Karnak, who is preparing the architectual study of Khonsu III, also began planning the Tutankhamun Colonnade this year. Our epigraphic work in Luxor Temple has directed our attention to various quarrying techniques, the methods of handling large stones, and the architectural history of the Colonnade. We have observed many unfinished architectural elements, including numerous large column drums and a cornice, employed in the construction of the Colonnade. We have identified two fragments of roofing slabs, possibly belonging to the Colonnade, lying near its southwest corner. We have noted that the edges of all the column capitals have been broken off, probably during the accidental fall or deliberate removal of the roof, which occurred prior to A.D. 1589; and we have questioned the stability of the hollow-constructed side walls intended to support the soaring roof of the Colonnade. Inevitably, a comparison of the Luxor Colonnade with the Hypostyle Hall at Karnak must be made, and the function of the Colonnade within Luxor Temple and its specific role during the Opet Festival must be considered. In all these areas and many others, Françoise's findings should be most informative.

Two Oriental Institute photographs taken from James Henry Breasted's airplane circling Luxor Temple in March 1933 show a scaffold in place during the consolidation of architraves in the Colonnade. The Antiquities Organization restorers then at work were probably the last visitors to the top of the columns before the present season of the Epigraphic Survey. Our climb to the highest point in the Colonnade was necessary to make accurate measurements of the columns, to study the building techniques employed, and to look for evidence of the placement and dislodging of the roof, and also to improve the angle for our photographs of the cartouches on the inner faces of the abaci and the unpublished inscriptions running the length of the architraves. In addition, one of the drawings made by David Roberts in 1838-39 shows people already on one architrave hauling up a companion. The details of their ascent from the ground level of the debris-choked Colonnade are left to the imagination; no ladder is shown. Nevertheless, the probability of visits to the architraves during the nineteenth century meant that we might find modern graffiti there. Although no graffiti were found, we did discover a game board hollowed out on one of the column capitals in the shade of the overhanging architrave block, and a simply rounded pot sherd which probably served as a gaming piece.

The view is spectacular, and the architectual details fascinating. Access was had to the platform of our old wooden scaffolding from an aluminum three-story ladder set up on the Colonnade wall, thence to the architrave via a two-story wooden ladder to which a four-meter ladder had been lashed. The ladders were tied to the swaying scaffold, with trips to the top possible only when the wind was calm. The architraves are 2.70 meters (about 8.5 feet) wide and 41.30 meters (about 134 feet) long, and the tops are 21.10 and 21.20 meters (about 69 feet) above the floor of the Colonnade. The western architrave is thus only 1.25 meters (about 48 inches) shorter than those carried on the central columns flanking the eastwest axis of the Hypostyle Hall. Other relationships between the two structures are equally striking.

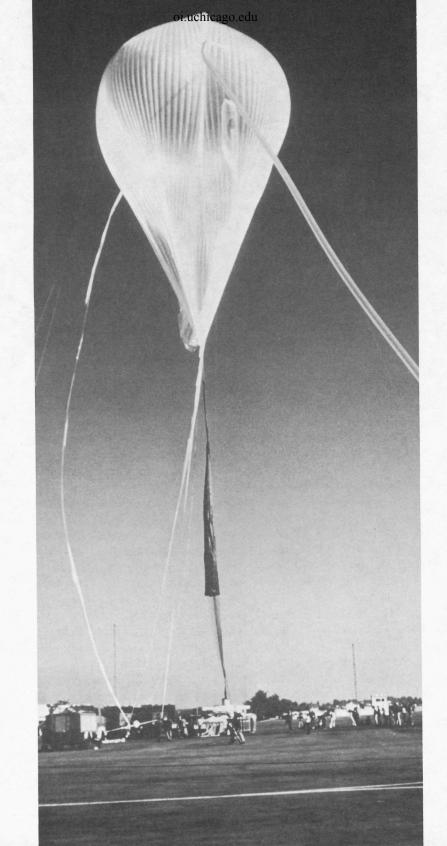
During the last three weeks of the season, the artists went back to the Eighteenth Dynasty Temple at Medinet Habu to prepare more drawings for their summer work. Our meticulous methods of recording have scarcely changed since the earliest days of the Survey, continuing to assure the remarkable degree of reliability which characterizes our productions. An experiment conducted this year, however, utilizing the full potential of the enlargement and blueprint



The 1980-81 Chicago House staff; Lanny Bell at front right.

papers currently available, now permits us to preserve the photographic image underlying our drawings through the collation stage, providing a handy guide for correction prior to bleaching.

United With Eternity, Bill Murnane's guide to the temple complex at Medinet Habu, was printed this year. Two advance copies reached Egypt from Malta, where they were printed. The rest are being readied for distribution, and we hope they will be available for sale soon. Bill's edition of the plates of Harold H. Nelson's drawings of the decoration on the inner walls of the great Hypostyle Hall at Karnak is expected to appear before the end of 1981, followed shortly by Khonsu II. This season we checked some final details for both the Khonsu II and Sety volumes, photographing additional Sety I fragments which Bill had turned up in his search of the Hypostyle Hall area, and locating an important fragment seen some years ago by Charlie Nims while he was working in the Court of the Khonsu Temple. This latter fragment, bearing the names of Horemheb but built into a column set up by Herihor, confirms a suggestion made by Hölscher in 1935 concerning the probable reuse at Khonsu of columns originally coming from the mortuary temple of Horemheb at Medinet Habu. While searching earlier for parallels for the design on the canopy of the portable barque of Amun represented by Tutankhamun at Luxor, Bill had also discovered



the names of Tutankhamun on the north face of the Eighth Pylon at Karnak. Although not recognized previously, the inscriptions show quite clearly on enlargements made from the Chicago House negatives.

Once the Epigraphic Survey has completed all the commitments it has undertaken, we will have recorded a broad cross-section of the total spectrum of ancient Egyptian monumental reliefs and inscriptions, from royal mortuary and great state temples, a provincial temple in Nubia, and private tombs at Thebes; from the sites of Karnak, the Khonsu and Mut temples, Luxor, Medinet Habu, Beit el-Wali, and the Theban necropolis; and with a chronological range including the reigns of Thutmose III and Hatshepsut, Amenhotep III and IV, Tutankhamun, Sety I, Ramesses II, Ramesses III, Ramesses XI and Herihor, Dynasty XXII, and the Saite and Ptolemaic periods.

We wish to express our special thanks to the individuals most responsible for the successes of our past season. These include MM. Jean-Claude Golvin and Alain Bellod of the Franco-Egyptian Center at Karnak; Mr. Richard Fazzini of the Brooklyn Museum's Mut Temple Project; and Prof. Ricardo Caminos of the Egyptian Exploration Society. The assistance consistently afforded to us by the officials of the Egyptian Antiquities Organization was most appreciated, as we consulted with them on every aspect of our extremely varied work schedule this season. We wish to acknowledge in particular Dr. Aly el-Khouly, Supervisor for Antiquities for Upper Egypt; and Messrs. Mohammed el-Sughayvir, Director for Antiquities in Southern Upper Egypt; Savid Abd el-Hamid, Chief Inspector for Karnak and Luxor; Savid el-Higazy, Inspector at Luxor; and Mohammed Nasr, Chief Inspector for Ourna. International travel and funds for our operations in Egypt were provided by a grant awarded to us under the Foreign Currency Program of the Smithsonian Institution, administered through the offices of the American Research Center in Egypt. Generous private contributions by several friends of the Oriental Institute were also designated for the use of the Epigraphic Survey this year.

Welcome distractions for the members of the Chicago House team at Luxor included a weekend trip to the Red Sea in January with Drs. Janet Johnson and Donald Whitcomb of the Quseir Project. In February we helped launch the "Jules Verne," a heliumfilled balloon piloted by Maxie Anderson and Don Ida on the first

21

[&]quot;Jules Verne" lifts off from Luxor at the beginning of an attempted around-the-world flight by Maxie Anderson and Don Ida

leg of their attempted around-the-world flight. In March and April we assisted a film crew from the National Geographic Society and WQED who were making a National Geographic television special on "Eternal Egypt," which will feature the work of the Epigraphic Survey.

We regret to report the death of Umm Sety on April 21, at the age of 77. Born Dorothy Eady and given the Arabic name Bulbul Abd el-Meguid at the time of her marriage, this long-time resident of Abydos was familiar to almost every visitor to that site north of Luxor. Before she fell and broke her hip last spring, she used to spend Thanksgiving and her birthday with us at Chicago House. She was a remarkable woman, and we shall miss her.

The oasis of Chicago House continued to attract visitors to our door throughout the season. We made our facilities available to members of several expeditions working in the Luxor area, as well as large numbers of individual scholars. Most of these came especially to use our extraordinary Egyptological library and photographic archive, but other requests for help involved the use of our ladders, cars, safe, storage magazines, telephone, etc. We are pleased to be able to serve as an international center for archeological research in Upper Egypt, in addition to pursuing our own specific projects.

Just after New Year's this season we greeted the American Ambassor to Egypt, Mr. Alfred L. Atherton, Jr., who drove to Aswan on a vacation with his wife and family. In February we welcomed the Oriental Institute's Egyptian tour; several Oriental Institute members touring Egyptt separately also dropped in. We encourage all our friends visiting Luxor to stop by and see us; we do ask, however, that they try to let us know when they are coming, as far ahead of their arrival as possible, so that we can be expecting them and prepare a proper reception for them.

Prehistoric Project

Linda and Robert J. Braidwood

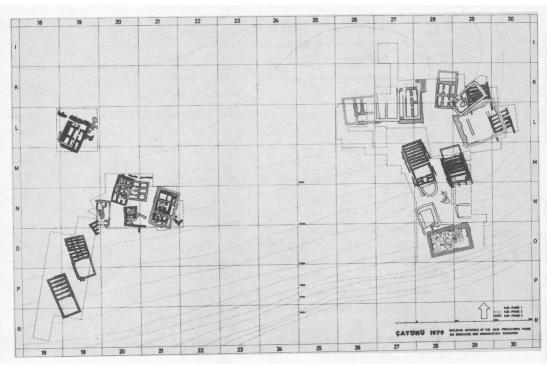
The Istanbul-Chicago Universities' Joint Prehistoric Project excavated again, in autumn 1980, at the early village site of Çayönü. It was our seventh season of work at the site near the headwaters of the Tigris in the Diyarbakir province of southeastern Turkey. Halet Çambel, the Turkish co-director, insists that we are in Anatolia. We, knowing that the Tigris, little more than a brook, lies east of us and the Euphrates to the west, choose to think we're in uppermost Mesopotamia!

There were four of us on the American staff, on a National Geographic Society grant covering only travel and per diem. Again, for their third season, eight of our German colleagues from Karlsruhe University's Institute for the History of Building joined us, covering their own field expenses. The main funding, however, came to Halet's Prehistory Section of Istanbul University (in part from the University itself, in larger part directly from the Turkish Government). As earlier, Halet's graduate students and assistants were aboard and Dr. Mehmet Özdoğan again served as excavation superintendent, and an excellent one.

The major prehistoric phase at Çayönü represents the remains of a sizeable village community of ca. 7250–6750 B.C. (Libby-uncalibrated), the inhabitants of which appear to have been still upon the very threshold of an effective food-producing way of life. In the deeper levels the two earliest domesticated wheat varieties and several pulses are evidenced; but sure traces of animal domestication do not appear until late in the phase. The normal artifactual assemblage is not greatly different from those of equivalently early village sites of southwestern Asia. It is in the category of architectural remains that the Çayönü evidence is truly remarkable. As we have noted in earlier reports, there is a sequence of at least three well-standardized domestic-plan types expressed by clear stone foundations. There are, also, two examples of a non-domestic (and essentially monumental) plan type—whether for sacred or secular purposes has not yet been established.

The autumn 1980 plan of campaign was for further exposure of the near surface levels in two areas of the mound, in order to clarify understandings of the overall village plan and of how the main

23



Three phases of building at Çayönü (Institut für Baugeschichte, Universität Karlsruhe)

prehistoric phase came to its end. The equivalent of five new 9×9 meter squares was exposed in the upper "cell-plan" building horizon. In one further square, however, the evidence was for a completely new plan type (probably not for strictly domestic purposes, but more exposure is needed).

Çayönü's challenge to culture-historical understanding thus continues to be with the meanings behind its sequence of well-conceptualized, standardized, and well-built domestic plan types, and also with the very impressive non-domestic building type which persisted over several changes in the ordinary house plans. What does all this architectural activity mean for its time and developmental context, in a milieu in which food production was still in its infancy and in the general region of its naissance?

At least two or three more field seasons at Çayönü are planned by the Turkish and German colleagues and there is general agreement that a small American presence—for continuity—is highly desirable. Hence we will undoubtedly return to Çayönü again in the autumn of 1981.

Chogha Mish and Chogha Bonut

Helene J. Kantor

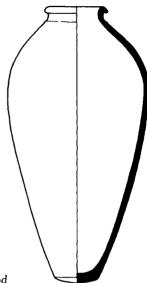
The expedition has again been prevented from returning to the field by conditions beyond its control. Thus, instead of new discoveries, this year it can only report on progress with the preparation of publications in Chicago. The analysis and the presentation of the data are sometimes frustratingly time-consuming. Eventually, however, the elements fall into place. For example, recent analysis has brought out clearly that Chogha Mish makes important contributions to the archeology of Iron Age Iran, even though the expedition's emphasis has always been on the study of early stages of development—the Protoliterate period and the preceding prehistoric phases. Pottery and other evidence to be published in the forthcoming OIP 101 indicate that Chogha Mish, after having been uninhabited since the abandonment of the Elamite fortress of the early second millennium B.C., was settled about the middle of the first millennium B.C. by people whose pottery was not of Late Elamite type. Rather, their vessels belonged to the ceramic tradition known in the highland areas of Iran from the late second mil-





A cylinder seal of the Achaemenid-Persian period showing a kneeling archer shooting at a wild goat

IV-168 (J23,Grave 28, 1.49 B.S.)



A jar of the Achaemenid-Persian period

lennium B.C. and usually assumed to be linked with the spread of Iranian groups who eventually founded the Median and Achaemenid kingdoms. The date at which Iranians began to settle in the lowland Susiana (Khuzestan) area is a much discussed historical question; the Chogha Mish materials are contributing important evidence to its solution.

Before archeological evidence can be utilized for such cultural and historical reconstructions, the data must be recorded in minute detail. The records and drawings from many seasons, as one works with them in Chicago, remind one vividly of the expedition members who prepared them. Particularly prominent in the sherd-list books and registers of Chogha Mish is the handwriting of Miss Johanne Vindenas. After she retired from her long years as head of the Oriental Institute library, she joined the Chogha Mish expedition and entered upon a new career as an archeological field registrar. She set us an untiring example, whether in the house, where after a long day she could hardly be dislodged from her work late in the evenings, or on the mound, where she gallantly huddled under an umbrella to complete last-minute sherd recording despite rain and the lightning striking in a nearby field. For the great body of archeological work which she accomplished, and for the patience, cheerfulness, and friendship which added so much to our life in the field, the Chogha Mish expedition owes Miss Vindenas an immeasurable debt which it can only acknowledge, but never repay.

Nippur, Hamrin, and related activities

McGuire Gibson

The fifteenth season at Nippur, scheduled to take place during the fall of 1980, was postponed on account of war. The entire team was ready to leave, air tickets had been bought, immunizations had been suffered. Only visas were lacking. The outbreak of the Iraq-Iran conflict in mid-September was at first thought of as only a delaying factor. It was assumed that the war would be over in a week or two and that we would be granted visas a month later. It was only in late October that we finally decided that even if the war were to end, we would not be able to get in enough of a season before Christmas to justify the expense of going out.

We very much regretted not being able to carry out new investigations at Nippur and to finish some earlier work. But, in a number of ways, the stay at home had advantages. We were able to catch up a good deal on the publication of previous seasons. We carried on some critical analyses of Nippur material and finished a volume on our salvage work with the University of Copenhagen at Üç Tepe, in the Hamrin Basin northeast of Baghdad.

Since our return from the Hamrin in December 1979, we had been doing preliminary work on the publication. We had subventions from both Copenhagen and Chicago to print the book. Teaching commitments would not allow us to concentrate on the book until the summer of 1980, but we used the intervening months to have photographs printed, object cards sorted, and some illustrations drawn. John Sanders, the architect, began working full-time on the plans so that when others of us were ready to work in June, we had preliminary drawings to use. In Copenhagen, some of the staff members were analyzing pottery and flint tools and working on field notes.

In June, Ingolf Thuesen came from Copenhagen on a special grant from his university, to help write the report. He was joined for three weeks in August by Poul Christensen, a superb draftsman, who was sent here to do final drawings of pottery and objects. James A. Armstrong wrote part of the volume dealing with Tell Ajamat, one of the Üç Tepe sites; and he also organized and pre-

sented the pottery from that site and Tell Ahmed al-Mughir, which was excavated and reported by Jesper Eidem. Richard L. Zettler helped with the analysis of field notes, pottery, seals, and other objects. Peggy May Bruce made final drawings, especially reconstructions of the Round Building at Tell Razuk.

The key to writing the report was the cooperation between the archeologists and the architect. In the excavation, the architect acts as a coordinator and often has a more complete appreciation of the entire operation than the area supervisors; in the publication, the architect lays down the general scheme of levels, using thousands of notations on field drawings. The archeologist, writing the description of the architecture and relating it to objects, must depend on the architect for the framework of the book. Ideally, John would have been in the Institute with us but he now lives in Tucson, Arizona. Our method of operation entailed the sending back and forth of drawings, with changes noted. Often, during the summer, he and I would have long telephone conversations about levels, floors, correlations of levels in different areas, and details of reconstructions. In August, he flew to Chicago with the finished, inked plans and we read through the manuscript together, checking the written word against the plans.

The volume, as it existed in August, was good enough to publish and we assumed that we would be taking it to Copenhagen on the



way to Iraq. The delay, then the cancellation of the field season allowed us to do further analyses, to rework the manuscript a number of times, and to make the volume much better. The most important result of the reworking was a set of conclusions about the pottery and dating of material at $\dot{U}\varsigma$ Tepe and elsewhere.

During the 1930's, the Oriental Institute had carried out extensive excavations in the Divala region, just southeast of the Hamrin Basin. It was clear that the early pottery in the Hamrin was related to that in the Divala. Our Scarlet Ware could be matched by more complete examples from the older excavations. Using Divala material, we could date our Round Building at Tell Razuk to late Early Dynastic I and Early Dynastic II (ca. 2800 B.C.). In trying to date some vessels found in later burials at Tell Razuk, we reexamined the Divala reports in great detail. In a seminar with several students, I had concluded that some changes could be made in the dating of a few Diyala levels. Our burial pottery fitted in with the redated material. Further work on other pottery from the site of Kish, south of Baghdad, convinced me not only that the seminar conclusions had been correct but that our Razuk finds reinforced those conclusions to such a degree that we should call for a major revision of Diyala strata. Thus, a large building that is known as the Northern Palace of Tell Asmar and was probably the headquarters of a textile industry could now be dated to the Akkadian



One of the upper levels of Area WA at Nippur: mountains of sand had to be removed to expose even this much period (ca. 2300 B.C.). Previously it had been dated to the end of Early Dynastic III (ca. 2400 B.C.). The redating of the Diyala levels may have far-reaching effects on our understanding of interrelations between Mesopotamia and other areas. The debate over the dating of the palace at Ebla in Syria may be fueled by these conclusions.

In mentioning a seminar, I touched on a very vital aspect of research. The Oriental Institute is a research facility, but it is also a teaching center. It is in lecturing to classes that important connections are made between bits of information that might not seem related. The need to give current information to students forces us to read new reports and new theoretical and methodological articles. Clever questions force us to think about old material in new ways. Student presentations are often the result of fine analysis and can become basic statements on a problem. Since 1972, we have been carrying on a continuing pottery seminar, using newly excavated sherds from the Nippur area and from the Hamrin. The accretion of material, now numbering in the neighborhood of half a million sherd drawings, has been accompanied by a growing understanding of the Mesopotamian sequence. Some of the results have already been published. A general account of the Nippur ceramic sequence is in preparation and may be presented in a year or two.

Along with pottery studies, we have been doing preparatory analyses for the report on the 13th and 14th seasons at Nippur (Oriental Institute Communications 25). This report will be completed in the summer of 1982. John Sanders is already inking final drawings, and the pottery has been organized by Richard L. Zettler and James A. Armstrong.

Richard continues to study the Inanna Temple, excavated during the early 1960's. His dissertation on the Ur III level is nearing completion. Guillermo Algaze has made preliminary studies of the Early Dynastic pottery, while Karen Wilson of New York University has been preparing the Jemdet Nasr material from below the Inanna Temple.

In summary, it can be said that even without a field season, this last year has been a productive one for the Nippur expedition. In next year's report, we hope to be able to report on the 15th season, which we hope will occur in the fall.

Even without a field season, the faithful members of the Friends of Nippur continued to support our work this year. I wish to thank them once again, and I promise a more eventful year to come.

Nubian Project

Bruce Williams

Illustrations for both the volume on Cemetery L and the volume on other early remains were completed this year, and a draft manuscript for New Kingdom remains is also far advanced.

The New Kingdom presents a number of problems in the course of life in Lower Nubia, most important of which is the apparent rapid disappearance of population after ca. 1450 B.C., leaving a gap in the sequence of occupation that lasted virtually until the second century A.D. However, at Qustul, cemeteries excavated by the Oriental Institute contain burials that date well into the Nineteenth Dynasty, two centuries later. One of the most interesting pieces of evidence is a fragment of a stela that has been prepared for the publication by William Murnane. This belonged to an important priest and administrator in the temple of Hathor at Abu Simbel, across the river just downstream. On it, Sa-Iabshek (meaning "son of Abu Simbel," obviously a man of local origin) prays to Hathor, Lady of Iabshek, and her consort, Horus, Lord of Buhen (a great Egyptian fortress somewhat upriver), for eternal renewal and permanent service in the temple.

The most important new evidence to emerge from these groups is a small number of relatively modest tombs dating to the period when Kush ruled Egypt, the Twenty-Fifth Dynasty, and later. Only one other cemetery of this period is known from Lower Nubia, at Mirgissa. The burials at Qustul closely resemble those in a vast cemetery near the Fourth Cataract and they show that part, at least, of Lower Nubia could be settled at this time.

Quseir al-Qadim

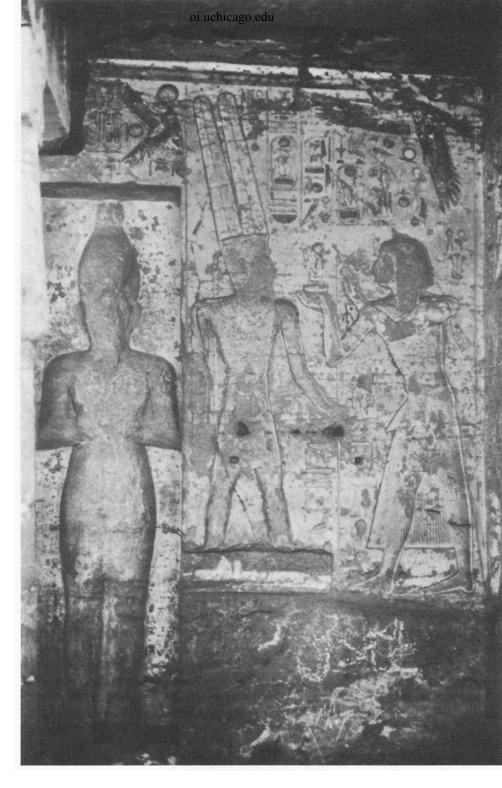
Janet H. Johnson, Donald Whitcomb

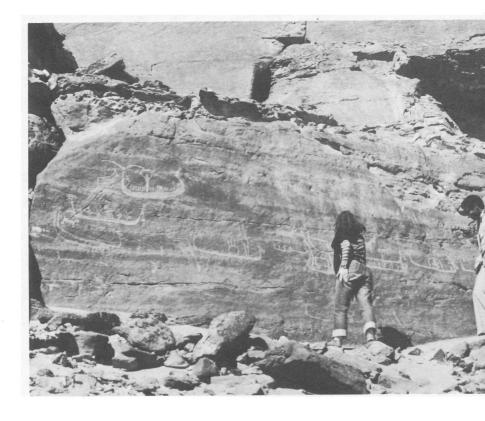
The Quseir al-Qadim Project was designed from the beginning as a series of excavations conducted every second year with the intervening years devoted to publication of preliminary reports. This year, therefore, was spent analyzing the immense amount of information obtained during the 1980 season of excavations. As a part of the research preparing the publication, and to plan for the 1982 fieldwork, a brief visit was made to Egypt in December–January. The primary purpose of this trip was to examine the part of the collections that remained in the Egyptian and Islamic Museums in Cairo as the Egyptian portion of the division. While these artifacts had been thoroughly recorded during the excavations, inevitably details needed to be checked, better photographs (particularly of the Islamic glass and Arabic letters) taken, and Cairo Museum accession numbers added to our lists.

It was, of course, impossible to be so close to Quseir and not make even a brief visit to the site. Lanny Bell generously provided the facilities to make this visit, and a small group of the staff of Chicago House accompanied us to the coast. We were somewhat concerned that, with the increasing number of campers and tourists (particularly from the popular Red Sea cruises) stopping by the ruins of Quseir and enjoying its beautiful bay, some damage or vandalism might have occurred. We were pleased to find no evidence of human disruption, but we were alarmed to find that recent heavy rainfall had washed in many trenches. Indeed, some trenches had standing water in them; this is the more surprising in a desert which has an official 4 mm. of rainfall per year. After paying calls on friends in the modern town, we traveled south down the coast as far as Mersa Alam, gaining an impression of the coastline with its numerous bays and drainage patterns (an area described by Karl Butzer in his Desert and River in Nubia).

From Mersa Alam we headed inland toward Edfu, passing en route the New Kingdom temple of Seti at Redesiyah. Just inland from the Red Sea coast we noticed a cluster of ruins close by the

A wall of the temple of Seti, depicting the king presenting an offering to Amun-Re





side of the road; the layout and architecture of the rubble seemed strikingly familiar. This site proved to be the mining settlement of Sukkari, where gold was mined in the late Ptolemaic or early Roman period. The situation of the ruins was similar to the gold mines of Bir Kareim, which the Quseir Expedition investigated in 1980. The ceramics were identical with those at Bir Kareim and comparable to those from Quseir itself; the clusters of buildings contained numerous grinding stones and pounders as well as the quartz ores from which the gold was obtained. Lanny Bell noticed traces of gold in the sand, perhaps unconsciously considering the finances of Chicago House. The discovery of this mining settlement was for us extremely valuable in helping to understand and evaluate the settlement at Bir Kareim and the possible role ancient Quseir played in these mining enterprises. Before leaving Egypt we also visited the Fayum, where the great cities of the Ptolemaic and Roman periods provided further comparative material for Quseir. In the well-preserved remains of Karanis and Dime we found par-



Rock carvings along the Edfu Road to Mersa Alam

allels in construction techniques and ceramic and other artifacts (such as the "Theban mill" of which an example was found at Quseir in 1980).

As we prepare the second preliminary report of our excavations at Quseir al-Qadim, we are conscious of the need to establish a context for the remarkable range of materials which has been discovered in this small port. In both the Roman and Islamic periods Quseir was a peripheral settlement on the littoral of Egypt; its importance as an archeological site is first as a testimony to the great patterns of international trade and, secondly and ironically, as a clear delineation of Egyptian material culture for these two periods. Both of these aims will be pursued in the third season of excavations in 1982.

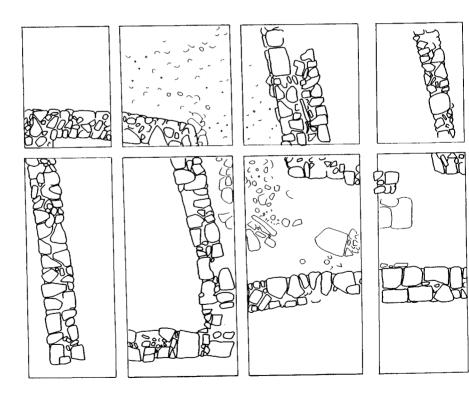
We would like to take this opportunity to thank those who have so kindly volunteered of their time and interest to help us processing the materials from the 1980 season of excavations: Martha Bays, Lisette Ellis, Sally Zimmerman, and Jean Zuk.

Chicago Turkish Euphrates Salvage Project

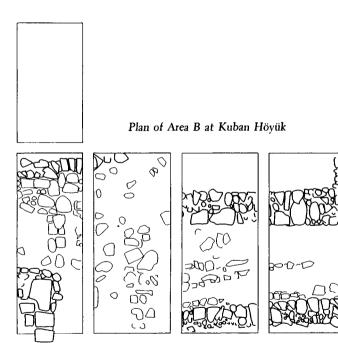
Kurban Höyük Excavations

Leon Marfoe

Over the past decade or so, a number of dam salvage projects have enabled archeologists to concentrate their investigative efforts upon recovering a maximum amount of information from a tightly defined region. For all its myopic and redundant quality, this information has provided a firm foundation for future efforts by more



clearly defining the historical problems and research emphases of later projects in hitherto poorly known areas. The Keban project in east-central Turkey, for example, has provided a wealth of still emerging information on the early history of the eastern Taurus mountains, while the Tabqa project in northern Syria has shed a similar degree of light on the civilization of "upper Mesopotamia" near the big bend of the Euphrates. The initiation of two new dam salvage projects on the Euphrates river in southeasthern Turkey provides, therefore, an unusual opportunity to explore intensively a region between these two earlier projects. As reported in newsletters during the past year, the first barrage scheduled is the Karakaya basin between Malatya and Adiyaman in east-central Turkey. The Karababa basin is farther south, located between the provinces of Adiyaman and Urfa, where the Taurus mountains merge with the undulating north Syrian plain. In this narrow river valley, very

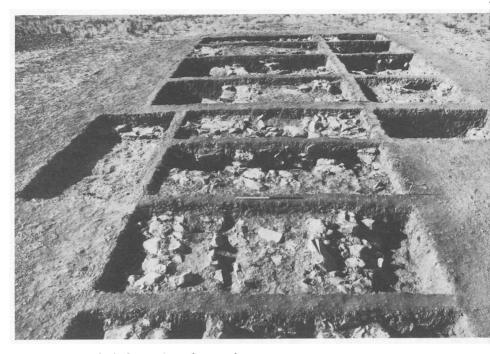


near the early historic centers of Carchemish and Harran, at least two Turkish, two German, two American (Bryn Mawr and Chicago), one British, and one Dutch expedition are currently engaged in an archeological program spanning the prehistoric to Islamic time range.

The Chicago expedition to the Karababa basin selected its site in 1978 and, in 1980, carried out a brief three-week pilot season at the site of Kurban Hövük. On the less intensively explored left (south) bank of the river not far from the proposed dam, Kurban Hövük forms a low, extensive double mound roughly 340 meters in length and 220 meters in width. Including the low saddle between the two mounds, the ancient settlement seems to have been divided into at least five or six separate sectors, each of which may have formed separate "quarters" with differing functions. During the fourteen days of excavation, four of the sectors were tested by exposures extending over roughly 350 square meters of surface area. So far, only the top two levels of occupation have been uncovered, with both dating to a time range between 2500 and 2000 B.C.

At this time, it would appear that the entire site, including the low saddle, was settled. On the larger and higher southern mound, excavations revealed part of a domestic residential area on the east slope, where a winding street was flanked by blocks of rooms. On the highly regular, rectangular top of the main mound, two levels of buildings have been found, the earlier of which may have been part of a public building. Excavations on the lower and smaller northern mound have so far indicated that this may have been a specialized quarter of as yet indeterminate character. The topmost level lies only a few centimeters beneath the soil, but because of this shallow depth, only the foundations of structures have been preserved. About a meter beneath this level, a well preserved building was found. From these tests, it would seem that the final occupation of the site was markedly different from the preceding one, but any time gap between the two would, at least on ceramic grounds, be limited. At some point in time not too distant from the dates of the excavated levels, both mounds were connected by settlement on the saddle. However, some two meters of eroded wash lavers have covered this link. Despite the brevity of the 1980 season, the excavations were sufficient to indicate that Kurban Hövük was a small town dating to roughly the same time as the Ebla archives.

Indeed, the material culture of Kurban Höyük is similar to that found at a variety of north Syrian sites, but because its location is



The data from which the previous plan was drawn

near the northern fringes of this lowland "civilization," it may yet provide us with information on the relationships between the earliest highland urban culture of the mountains, now well defined by the Keban project, and the earliest urban culture of plains. Early archeological and historical records suggest a brisk interchange at this time; and although the earliest periods of occupation at Kurban Höyük are still unknown, the formation of this border river town may provide clues to the role of this traffic in the tremendous expansion of towns and cities across eastern Turkey and northern Syria at this time.

In this initial season, the small staff consisted of two Chicago students, Guillermo Algaze and Mary Evins, Michael Ingraham (University of Toronto), Tom McClellan (now University of Melbourne), and our geographer, Tony Wilkinson. Funding was provided by a matching grant from the National Endowment for the Humanities. The 1981 season, just two weeks off at the time of this writing, will comprise a much larger crew over a longer season.

3 (Philology

Ancient Society and Economy

I. J. Gelb

Extended by three months, the generous financial support granted for six years by the National Endowment for the Humanities and for two years by the National Science Foundation to the project on ancient society and economy will come to an end on June 30, 1981. The project has suffered an additional loss in Dr. Piotr Steinkeller, the last of the remaining assistants, who has accepted an academic appointment at Harvard.

As stated in my previous report, the priority number one of the project for the next year or two is the preparation of the final manuscripts of two rather gigantic publications, each containing a volume of texts and interpretations (philological, legal, social-economic) and a volume of plates. The first of these projects, Earliest Systems of Land Tenure in the Near East, will appear as volume 104 of the Oriental Institute Publications; the second, "Source Book for the Social and Economic History of the Ancient Near East," has been accepted for publication by Undena Publications in Malibu, California.

I have described the two publications as rather gigantic since I have never been faced in my past experience with anything comparable to them in size. In addition, we are faced at every step with the complexity of presentation, as each statement involves detailed cross-references not only to the documentation and/or previous philological discussions, but also to the primary and secondary treatments of legal and social-economic matters in other parts of the publication and in other volumes and numerous articles.

As a by-product of the work on the projects, a number of articles in the field of social-economic and legal history of ancient times have been produced. The listing of at least the important titles may be of some interest to persons concerned with these matters:

Gelb, I. J., "The Ancient Mesopotamian Ration System," Journal of Near Eastern Studies 24 (1965) 230-43.

("Approaches to the Study of Ancient Society," Journal of the American Oriental Society 87 (1967) 1-8.

("Growth of a Herd of Cattle in Ten Years," Journal of Cuneiform Studies 21 (1967, pub. 1969) 64-9.

("On the Alleged Temple and State Economies in Ancient Mesopotamia." Studi in Onore di Edoardo Volterra, Vol. 6 (1969) 137-54.

("The Arua Institution," Revue d'assyriologie 66 (1972) 1-32.

("From Freedom to Slavery." Gesellschaftsklassen im Alten Zweistromland und in die angrenzenden Gebieten, ed. D. O. Edzard = Bayerische Akademie der Wissenschaften, Philos.-hist. Kl., Abhandlungen N.F. 75 (1972) 81–92.

(Prisoners of War in Early Mesopotamia," JNES 32 (1973) 70-98.

("Homo Ludens in Early Mesopotamia." Festschrift A. Salonen = Studia Orientalia 46 (Helsinki 1975) 43–76.

("Quantitative Evaluation of Slavery and Serfdom." Kramer Anniversary Volume (Neukirchen-Vluyn 1976) 195–207.

("Household and Family in Early Mesopotamia." State and Temple Economy in the Ancient Near East, Vol. 1, ed. E. Lipiński = Orientalia Louvaniensia Analecta 5 (Leuven 1979) 1–97.

("Definition and Discussion of Slavery and Serfdom." Schaeffer Festschrift, ed. K. Bergerhof, M. Dietrich, O. Loretz = Ugarit-Forschungen 11 (Neukirchen-Vluyn 1979) 283-97.

("Comparative Method in the Study of the Society and Economy of the Ancient Near East." Festschrift Ranoszek = Rocznik Orientalistyczny 41 (1980) 29–36.

("Terms for Slaves in Ancient Mesopotamia." Festschrift Diakonoff (in press).

P. Steinkeller, "The Renting of Fields in Early Mesopotamia and the Development of the Concept of 'Interest' in Sumerian," Journal of the Economic and Social History of the Orient 24 (1981) 113-45.

Until such time as we are able to secure financial support from foundations or other benefactors, the project will continue on a much reduced scale with the help of a part-time assistant.

Assyrian Dictionary Project

Erica Reiner

We are happy to report that the National Endowment for the Humanities awarded a three-year grant to the Assyrian Dictionary, to run from July 1, 1980, to June 30, 1983. \$373,557 of this grant is an outright award, and \$186,779 is contingent on matching funds. We are grateful to the donors who have contributed so far (approximately \$88,000 had been raised as of June 15), and we continue to seek matching funds.

Volume N, in two parts, is now available and is being distributed. The typesetting of Volume Q, by photocomposition, is now completed, comprising 557 pages of galley proof; page proofs are now being made up. Volume S, 3061 manuscript pages, was sent to the printer in February. Work is now progressing on Volume S, which is the largest of all and will have to appear in two or even three parts.

New faculty members engaged on the project are Matthew W. Stolper, Associate Professor, and Martha T. Roth, Assistant Professor. Francesca Rochberg-Halton continues as Research Associate. In January, Jeremy A. Black came from England to join the staff as Research Associate. All of us are working on Volume Š, while Volume R continues to be edited by Hans Hirsch in Vienna.

Hittite Dictionary Project

Harry A. Hoffner, Jr., Hans G. Güterbock

July marks the end of the second year in the second three-year grant awarded by the National Endowment for the Humanities to the Hittite Dictionary Project. Over the past year we have been able to see the first fascicle of the dictionary appear in print and be distributed worldwide. No reviews have appeared in print yet

to our knowledge. The informal reaction has been enthusiastic. Also during the past year we have made excellent progress on the preparation of the second fascicle of the dictionary, which will contain Hittite words beginning with the letter M. All first drafts of M words and many N words have been prepared by our staff. Most of those articles on M words needed for the second fascicle have been put into semi-final form. It is estimated that by the fall of 1981 we will have final draft for the second fascicle in the hands of our printer. What has been so time-consuming about fascicles one and two is that both fascicles have contained a number of words on the order of the English conjunctions "and," "when," "if," and "as." We have decided to treat there words extensively and to explain their syntax in detail. All of this takes an enormous amount of time, much more than for the average Hittite word.

Our resident year-round staff was increased last fall with the coming of Dr. Silvin Košak from Oxford, England, Dr. Košak has assisted us greatly in the preparing of first drafts and in the criticism of first and second drafts of the articles. Again in the summer of 1981 Dr. Garv Beckman of Yale University will be joining us for two months to assist in the editing of final draft for the M volume. Dr. Beckman was also of assistance to us in April 1981, in helping to copy and photograph unpublished Hittite fragments in the Yale Babylonian Collection, which are now processed in the Hittite Dictionary lexical file. Dr. Howard Berman continues to process newly published Hittite texts for the lexical file. During the past year he added to our file (among other texts) a number of unpublished Hittite fragments from the collection of the Istanbul Archeological Museum, working from copies supplied by Mustafa Eren. Trips to Europe and Turkey funded by the NEH grant were taken by both of us in 1980-81. In Geneva Hoffner photographed a small collection of Hittite tablett, and collated other texts in Berlin. In the summer of 1981 both of us will be traveling again. Hoffner to Istanbul, Ankara, Izmir, and Vienna, Güterbock to Berlin and various cities in Turkey.

Work on the Hittite Dictionary often leads to interesting discoveries which are not directly related to determining the meanings of words. A few months ago Hoffner, while using the CHD file for the preparation of a detailed review of a new volume of Hittite texts, discovered that one of the newly published fragments joined directly a historically important text which had been known for a long time. The newly discovered join completed many lines

on the back of the tablet. On one of these lines the new supplement revealed the name of one of the earliest known kings of the Western Anatolian kingdom of Wiluša, which many scholars think is an old form of the name Ilios, which in Homer designates the area around the Troad. This early king's name is Walmū, and the completed context tells us that he was installed in kingship by the (alas, unknown) Hittite king who wrote this letter.



A fragment of a Hittite ritual from the Museum of Art and History in Geneva (photo by Harry Hoffner)

Demotic Dictionary Project

Janet H. Johnson

The last year has seen the staff of the Demotic Dictionary Project turn their attention from the literary and religious texts from which they had begun making vocabulary entries to the enormous bulk of more mundane documents: legal contracts, accounts, private letters, tax receipts, and lists of various types. All these texts are written in the very cursive script known as demotic; the earliest texts date from the time of the Persian conquest (525–404 B.C.), the latest from the Roman period (into the third century of our era).

During the past year we have finished a collection of letters from the Fayum written by employees of the temple of Sobek or about temple business, including, among other things, bids by private individuals on contracts to undertake various types of work for the temple and complaints by various employees against other employees, including an apparent charge of embezzlement. Other private letters also involve disputes between individuals, often involving the sale price or the ownership of land. From Elephantine come personal letters suggesting that the addressee approach an oracle to seek answers to questions such as which of two women to marry. Slightly different are the letters addressed to the god Thoth, asking him to intervene on behalf of the letter writer in a dispute in which the writer cannot get anyone on earth to redress the wrong.

The so-called Hermopolis Legal Code is actually more a collection of case law than a law code, containing a series of instructions on what to do "If a man sues a man" about a whole range of disputes involving ownership and lease of land. Sample contract formulas are included. The last part of the text outlines inheritance law-if a person dies intestate, all the children inherit equally, but the sons get to pick their shares before the daughters; and the child. usually the eldest son, who bears the burden of funerary expenses gets two shares. A series of contracts outlines the rights and obligations of membership in various cult guilds; all the members help defray the cost of one another's burials, but during a man's life his fellow guild members must support him if he is wrongfully taken to court, they must loan him money if he is broke (unless they swear an oath that they, too, are broke), and they must take him out and get him drunk and console him over the death of any young son or daughter. Very numerous are the actual sales contracts, quitclaim deeds, leases, and marriage contracts, then as now largely full of legal formulas. Occasionally enough are preserved pertaining to the same family or same plot of land that something of the social milieu from which they derive can be seen. This year we have worked on two such archives, one from Thebes, the other from the Fayum. Also exceedingly numerous are the ostraca, ancient Egyptian scrap "paper," used to jot notes, lists, accounts, receipts (including tax receipts), or even bits of literary or historical texts. We are currently working our way through the more than 600 ostraca in the Leiden museum.

Because it is extremely difficult to read the demotic script, most texts are published leaving a few lacunas. With the files to assist us, we are often able to suggest readings for some of these problem words. In addition, with our access to so much more comparative material than most individuals publishing texts, we are often able to improve on a published reading. Thus the dictionary files, which record every occurrence of every word in every text which we have studied, mark not only the new words which do not occur in Erichsen's demotic glossary (published in 1954) to which we are producing a supplement, but also all the words for which we have suggested a reading or a change in reading or translation.

Statistics can be very misleading but, as a suggestion of the scope of the dictionary project, it can be noted that for the letter aleph, the first letter of the alphabet, Erichsen's glossary has 80 words; we now have 68 new words in our files and we have improved on the reading of another 15 instances. Sample dictionary pages were composed in the last year to begin working out the problems of content and format. At the time those sample pages were compiled, we had 34 new words beginning with the letter b, in addition to the 75 which appear in Erichsen's glossary. We now have 70 such new words. For the letter p, we had 31 new entries, compared to the 61 in Erichsen's glossary; we now have 100 such new entries. In addition, we have been able to suggest a reading or improve on a reading or translation of 40 instances of words beginning with b and 65 of words beginning with p. Thus, we now anticipate that our supplement to Erichsen's glossary will be approximately the same size as that volume and that our dictionary files will remain a major source of information on new words and old alike for many vears to come.

The extensive work accomplished during the year is due to the consistent hard work of the dictionary staff: George R. Hughes, Professor Emeritus of Egyptology, who gives constantly and generously of his time and knowledge; Robert Ritner (Senior Research Assistant), Michael FitzPatrick and Richard Jasnow (Research Assistants), and Charles Hadala and Lisa Moore. We were, of course, sorry to lose the services of Mark Smith, who accepted a teaching appointment at Oxford University, but we look forward to his continued association with the project as a consultant.

An Aramaic Papyrus in Demotic Script

Charles F. Nims

George Hughes, Charles Nims, and Richard Steiner are working together on the transliteration and translation of a papyrus on which the Aramaic language was transcribed in demotic Egyptian script. The scribe, writing either from dictation or from a memorized text, did not know Aramaic; and his division of words, which helps our understanding of the document, is erratic. Demotic writing does not represent all the phonological distinctions of Aramaic, and there are many problems in determining the readings. The writing uses both alphabetic symbols and ligatures representing more than one letter; for some of the latter we do not yet know the Aramaic equiv-

Columns 8 (right) and 9 of the demotic Aramaic papyrus (photograph from the Amherst collection)



alent. But the demotic also preserves some phonetical differences that Aramaic writing obscures.

The papyrus is the longest Imperial Aramaic document known. It is 3.56 meters long and 30 centimeters high. It was cut into six sections, the first in fragments, and with an estimated 18–24 centimeters lost between this and the second section. The text is written in twenty-three columns of varying width, covering all of the recto and sixty percent of the verso. The upper and lower edges of the document are damaged, with the damaged area greater for the first two sheets.

Raymond Bowman, who first determined that the text was Aramaic, translated a few lines of a litany almost forty years ago. In our present study we have found out that the last six columns have a story about the brother and sister of the king of Babylon.

The papyrus once was part of the collection of Lord Amherst and was probably acquired by him in Egypt in the last century. The collection was purchased by the Pierpont Morgan Library about 1918, but was not brought to this country until after the Second World War. We have worked from photographs given by Lord Amherst to Wilhelm Spiegelberg and passed on at his death to William Edgerton.

4 (Scholarship

Individual Research

ROBERT McC. Adams' book Heartland of Cities was published by the University of Chicago Press in February. It summarizes his archeological surveys in southern Iraq over more than two decades. Mr. Adams has also been active on policy and research boards for the National Academy of Sciences and the National Research Council.

KLAUS BAER has been studying the archaic language of the inscriptions of Metjin (early Fourth Dynasty, about 125 years older than any other connected texts from Egypt). The most important conclusions to emerge from his analysis of the materials are that Egyptian was originally a verb-subject-object language and that the tendency to shift a nominal subject forward (well known in the case of the nominal predicate) was only beginning in the case of the verbal predicate in these texts, but led to the typical verb-subject-object pattern by the end of the fourth dynasty. Mr. Baer was elected President of the American Research Center in Egypt.

LANNY BELL lectured in the fall at the Milwaukee Society of the American Institute of Archaeology and at Groningen, in the Netherlands, for the local chapter of the Ex Oriente Lux Society and the Egyptology Seminar of the University. During the season he completed articles for two Festschrifts, one for Labib Habachi, Consulting Egyptologist for the Epigraphic Survey, and one for Charles Nims, former Field Director of the Survey. In the spring Mr. Bell worked in museums in Brussels, London, and Cambridge, photographing Mycenean pottery from Egypt for his wife Martha.

ROBERT D. BIGGS has continued to work on cuneiform texts of the third millennium B.C., particularly as they relate to texts from Ebla. He has also been studying sheep livers in connection with preparing an encyclopedia article on the liver as an organ for taking omens.

John A. Brinkman continued his researches into the socio-economic and political institutions of Babylonia between 1600 and 600 B.C. He contributed to the Lacheman Festschrift a paper on the Hurrian presence in lower Mesopotamia between 1500 and 975 B.C. At the national meeting of the American Oriental Society he spoke on the socio-economic context and evolution of Babylonian landgrant documents (kudurrus). With the assistance of a grant from the National Endowment for the Humanities, he was able to transliterate Kassite administrative texts in Istanbul, London, New Haven, and Philadelphia in preparation for a history of the emergence of the Babylonian national state.

JOHN CARSWELL completed the report on his preliminary investigation at the medieval trading post at Mantai, Sri Lanka. He wrote an introductory chapter for Splendors of the Past for the National Geographic Society, a chapter on Ottoman ceramics for an exhibition catalogue, and a contribution for a memorial volume for Roger Saideh. In January he catalogued tiles from the Dome of the Rock in Jerusalem. He has given several lectures at universities and professional associations and served as a panel discussant at a session of the Ethics of Collecting symposium at the Field Museum.

MIGUEL CIVIL has for all practical purposes finished the Materials for the Sumerian Lexicon project except for the overseeing of printing and for the preparation of addenda from new lexical texts as these appear. He collaborated with Giovanni Pettinato on a volume of lexical texts from Ebla, which is now in print, and was able to prove that two Ebla texts represent one of the earliest forerunners of the HAR-ra series and its Semitic translation. Microcomputer programs put together last year are already helping significantly in reconstructing Sumerian literary texts, especially in identifying joins and duplicates.

Walter Farber has prepared a new full transliteration of the Lamashtu incantation series. His lengthy article "Lamashtu" for the Reallexikon der Assyriologie treats both the philological and archeological attestations of this demon. He has been preparing a contribution on the use of drugs in Mesopotamia for a comprehensive handbook on the history and sociology of drug use to be published by the Rautenstrauch-Jolst-Museum of Cologne. His complete bibliography of the Babylonian incantations has been accepted for publication in the Zeitschrift für Assyriologie.

I. J. Gelb was invited as the only non-German scholar to participate in the celebration which the past and present students and colleagues of Wolfram von Soden organized in Münster in the beginning of June on the occasion of the completion of his Akkadisches Handwörterbuch. The topic of Mr. Gelb's presentation was the past, present, and future of Akkadian grammar and lexicography. As some of the old-timers will remember, as a result of the so-called "Marburg Agreement" of August 31, 1950, sanctioned officially by the Union Académique Internationale, American Council of Learned Societies, and three German academies, two Akkadian dictionaries were to be published: the multi-volume Chicago Assyrian Dictionary and the concise German undertaking.

McGuire Gibson continues to investigate, through seminars, opportunities to combine archeological and textual sources for an understanding of ancient Mesopotamia. This year these seminars examined a number of ancient palaces in which archives were found, archeological and textual evidence for the early first millennium B.C. in Babylonia, and anthropological methods and theory which may assist in Near Eastern archeology. He also initiated a course in Islamic archeology, with several other faculty members and guest lecturers taking part. He worked for the American Institute of Yemeni Studies to negotiate the extension of their agreement with the government of North Yemen.

Gene Grace is following up his Oromo dictionary (in process of publication by Michigan State University) by the preparation of an Afroasiatic cognate file. Afroasiatic is the large language family whose sub-families are Semitic, Egyptian, Berber, Chadic, Omotic, and Cushitic (Oromo is a member of the last). This file will serve on the one hand for an etymological supplement to the dictionary, and on the other for further work in Afroasiatic itself. In connection with the unaffiliated languages project (on Sumerian, Elamite, Hurrian, Urartian, Hattic), he has been investigating statistically more accurate ways of detecting and displaying areal-typological clustering of language features. This will ultimately appear in the summary chapter of the unaffiliated languages survey, but a preliminary version will be delivered as a talk next year.

HANS G. GÜTERBOCK attended the Rencontre Assyriologique Internationale in Paris in July 1980, where he read a paper and showed the first fascicle of the Hittite Dictionary to colleagues. Later he

collated Hittite texts in the Ashmolean Museum, Oxford, and was also allowed to study the Hittite hieroglyphic inscriptions there, which are being prepared for publication by Dr. Moorey and Prof. Gurney. Thereafter he collated the few Hittite tablets in the museum of Liverpool. Such collations are part of the preparation of the CHD, the ongoing work on which occupies most of his time. Apart from this Mr. Güterbock is preparing for publication the hieroglyphic legends on Hittite seals and impressions found in the German excavations of Boghazköy-Hattusha, to be published jointly with Dr. R. M. Boehmer of the German Archeological Institute.

HARRY A. HOFFNER, JR. published several articles this year: his long-awaited monograph "Histories and Historians of the Ancient Near East: The Hittites" appeared as an entire issue of the journal Orientalia. With Dr. Howard Berman he authored an article "Why parhu- is not the Hittite world for 'fish,'" which appeared in the Journal of Cuneiform Studies. To a Festschrift for Ernest Lacheman he contributed "The Hurrian Story of the Sun God, the Cow, and the Fisherman," and to a memorial volume for Heinz Kronasser, a study on the Hittite particles expressing desire: "Hittite man and nūman."

Janet H. Johnson's personal research this year has involved work on a re-edition of the so-called Demotic Chronicle, a text from the Ptolemaic period which gives a series of oracular statements that are then explained in terms of the history of Egypt from the expulsion of the Persians in 404 B.C. until the arrival of Alexander the Great in 332 B.C. Her translations of a series of demotic magical texts from approximately the third century of our era will appear together with the much larger corpus of contemporary Greek magical texts in the publications of the Greek magical texts project in the University of Chicago Divinity School. Ms. Johnson presented papers on the Demotic Dictionary Project to the International Congress of Papyrologists in New York in July 1980, and to the American Research Center in Egypt annual meeting in Boston in March 1981. She has been reelected to the Board of Governors of ARCE.

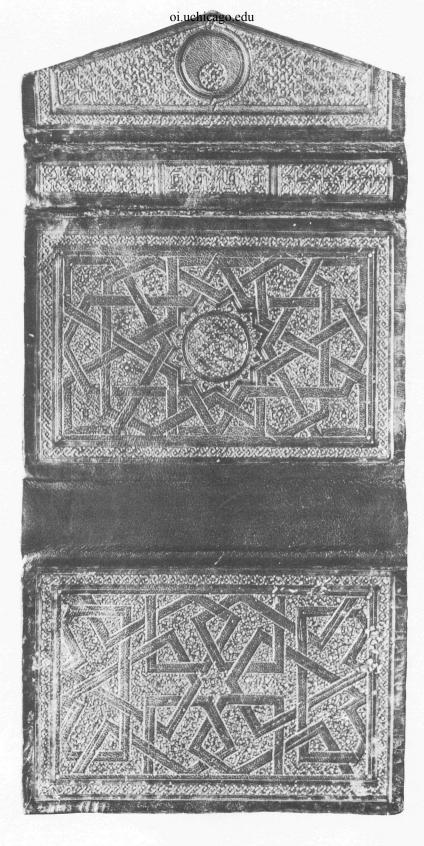
ERICA REINER has continued her work, in collaboration with David Pingree, on Babylonian planetary omens. The second fascicle of the publication, Enuma Anu Enlil Tablets 50–51, has just appeared in Bibliotheca Mesopotamica volume 2. Ms. Reiner has completed the manuscript of a volume of essays on Babylonian literature.

MARTHA ROTH spoke on "PBS 8 100: An Examination of the Literary Legal Decisions" at the Rencontre Assyriologique Internationale (July 1980) and on "Semantic Association in Antagal" at the American Oriental Society (March 1981). An article dealing with the scholastic exercise "laws about rented oxen" will appear in the 1981 volume of the Journal of Cuneiform Studies. In summer 1980 Ms. Roth spent a month doing research at the British Museum for the manuscript an.ta.gál = shaqû, which will appear as MSL 17.

LAWRENCE STAGER has continued preparing for publication his excavations of the Tophet burial precinct and the Commercial Port at Carthage.

MATTHEW STOLPER delivered two papers to the American Oriental Society: on the Elamite dynasty of Shimashki (Ann Arbor, Feb. 1981) and on the Murashû texts (in a symposium on Mesopotamian economic history, Boston, March 1981). A monograph on Middle Elamite administrative texts excavated at Tall-i Malyan, Iran, is in press. The draft of a survey of Elamite political history, to be published together with a survey of Elamite archeology by Elizabeth Carter of UCLA, is being edited and typed at Los Angeles.

EDWARD WENTE lectured on "Funerary Beliefs of the Ancient Egyptians" at the University of Pennsylvania in September 1980 in conjunction with the University Museum's special exhibition "The Egyptian Mummy: Secrets and Science." In this lecture he attempted to explain why, despite constant tomb robbing, the Egyptians continued and even expanded the role of mummification. A religious answer was proposed in which it was suggested that the unique relationship of Re and Osiris, associated with two concepts of divine time, played an important part in extending the practice of mummification. (Mr. Wente's presentation will be appearing in the Fall 1981 issue of Expedition.) In his research into Egyptian religion, he is completing an article dealing with certain formulas that appear in the Book of Amduat and the Book of Gates, which first appear in royal tombs in the Valley of the Kings. According to his study these illustrated compositions were originally composed as works of practical theology for use by initiated commoners during one's lifetime and only secondarily were they adapted as royal funerary texts.

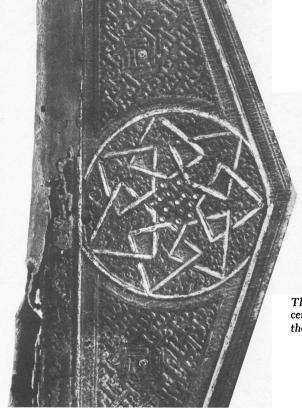


The Islamic Bindings and Bookmaking Symposium

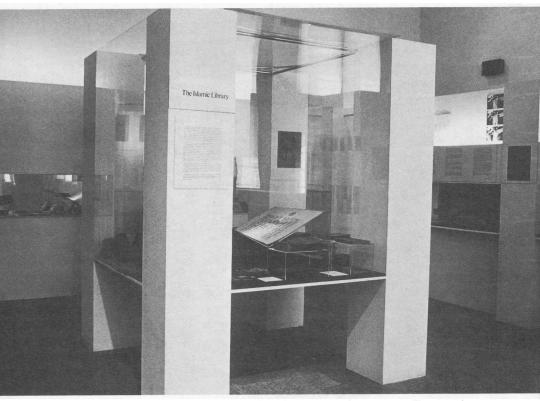
John Carswell

A two-day symposium to mark the opening of the Islamic Bindings and Bookmaking exhibition was held at the Oriental Institute May 18 and 19, 1981; and a total of one hundred and sixteen participants from North America, Europe, and the Near East attended. These included not only Islamic art historians, but rare books librarians, early bindings specialists, and museum officials, which made for a great diversity of opinion in the discussions which followed each paper.

A 14th-15th century binding from Egypt or Syria lent by the Chester Beatty Library (all photos of bindings are from the catalogue of the exhibition; this is No. 4)



The flap of an early 15th century Egyptian binding in the Institute's collection (No. 8)



The rectangular object on the floor of the case, center front, is actually a set of Jewish phylacteries, illustrating related use of leatherwork contemporary with the bookbindings

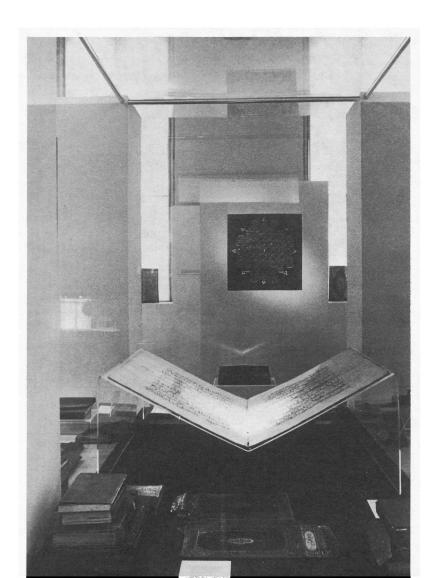
The catalogue was available to the participants before the symposium, who were also able to attend a special viewing of the exhibition. The exhibition, based on Bernhard Moritz's collection of Islamic bookbindings from the twelfth to the eighteenth centuries which was acquired by the Oriental Institute in 1929, was intended to display the bindings in the wider context of bookmaking and book production in the medieval Islamic world; and the symposium explored this theme in depth.

At the first session, the Director J. A. Brinkman welcomed the participants to the Oriental Institute, and Gulnar Bosch delivered the opening address. Professor Bosch, once herself a student at this

The other side of the same case, featuring pages from the third largest Koran in the world

university and the first person to investigate the Moritz bindings in detail, stressed the collaborative nature of the exhibition, combining research into the historical, technical and esthetic branches of the subject. Then Guy Petherbridge, as a specialist in early Oriental bookmaking, described the technique of manufacture of the Islamic book and the characteristics that differentiated it from the Christian and European traditions. This was followed by Ernst Grube's paper, tracing the emergence of the pictorial style in the decoration of Islamic book covers from the fifteenth to the seventeenth centuries.

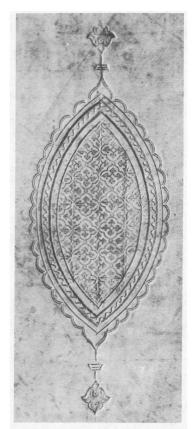
In the afternoon, Duncan Haldane described the important but little-known collection of Islamic bindings in the Victoria and Albert Museum, London, which he is at present preparing for pub-



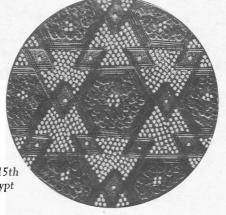


A 14th century binding from Egypt or Syria (No. 12)

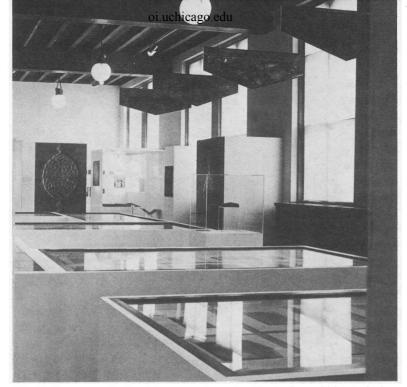




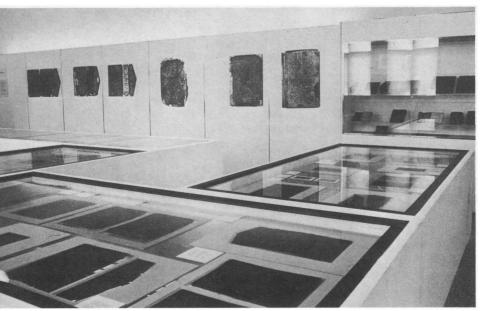
The mandorla from a doublure (lining), also 14th-15th century, Egypt-Syria (No. 76)



Detail from a 14th-15th century flap from Egypt or Syria (No. 53)



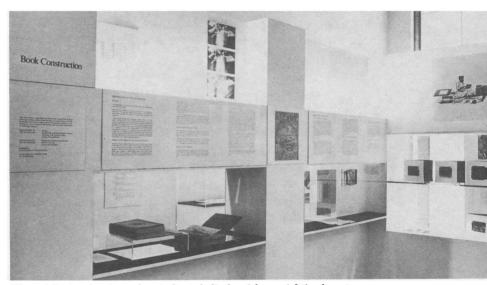
The bindings were displayed in cases mirrored so the backs could be studied as well; greatly enlarged photographs of the more striking flaps were suspended from the ceiling beams



Well over a hundred objects—bindings, books, and photographs—usurped the entire Palestinian Gallery

lication. This was followed by a well-illustrated paper by Oktay Aslanapa from Istanbul University, on the bindings in the most famous of all collections, that of the library at Topkapu Saray. In the evening before the opening of the exhibition to the public, Basil Gray, formerly keeper of Oriental Antiquities at the British Museum, gave a lecture on Il-Khanid and Mamluk manuscript production.

On the second day, Gulnar Bosch gave a detailed description of the doublures in Islamic bookcovers, and an analysis of their decorative motifs and derivation. Julian Raby, of the Oriental Institute at Oxford, described with a detective's precision his researches into



The exhibition involved the study and display (above right) of contemporary descriptions and depictions of the bookbinder's craft

the curious phenomenon of a Greek Christian scriptorium in Istanbul, operating under the direct patronage of the Ottoman Sultan Mehmet II. In the afternoon the present writer described the formation of the Moritz collection and its subsequent dispersal and the relationship between the bindings and other forms of Islamic decorative art. The final paper was given by Anthony Hobson, who talked about the evolution of European medieval binding and its indebtedness to the earlier Islamic style. To conclude, Farouk Mustafa of the Department of Near Eastern Languages and Civilizations once again stressed the importance of the book in Islamic society and brought the symposium to a close.

Research Archives

Alice Schneider

There has been increased activity in the Research Archives this past year. We had new cabinets made for the Reading Room and shelves put into Special Collections. The Reading Room cabinets were built by Custom Furniture Inc. of Chicago and are exact replicas of the other cabinets. They are a work of art. The reference section was moved to these new cabinets during the autumn quarter. The Special Collections room is now complete. Our older holdings can now be preserved and some space opened up in the Reading Room. Space continues to be a problem as the following figures will show:

Books	5785
Series	3051
Journals	4810
Pamphlets	7062

The total number of books acquired (440) reflects a drop from the number of books acquired last year. This is not because we are acquiring less but because last year's total included a sizable bequest from Prof. Bowman. We benefitted from acquiring part of Prof. Hallock's library, but it was much more specialized. Most of the books were on Elamite studies and some Babylonian and Assyrian subjects. The greatest increase has been in the journals. We are now subscribing to many new journals, including: Bulletin of the Egyptological Seminar, Egitto e Vicino Oriente, Aramco World Magazine, Année Lexicographique, Melanges de l'Université St. Joseph, Origini, and Acta Prehistoria et Archaeologica, among others. We were also able to obtain sizable numbers of back issues of Zeitschrift für Assyriologie, Rivista degli Studi Orientali, and Cahiers de Byrsa. Our exchange programs have expanded, especially those in Spain (Instituto de Prehistoria y Arqueologia and Consejo Superior de Investigaciones Cientificas), France (Centre de Recherches Archéologiques Sophia Antipolis in Valbonne) and England (Society for Libyan Antiquities). Other notable acquisitions include a set of the Area Handbooks for the Middle East published by the U.S. Government and the Foreign Area Studies of American University. We also were able to acquire the American Geographical Society's Explorations and Studies series which is concerned with early travels in the Middle East by A. Musil, E. Porada's Corpus of Ancient Near Eastern Seals in the Pierport Morgan Library, the original publications of the Moabite Stone by Ch. Clermont-Ganneau (1870), The Moabite Stone by C. D. Ginsberg (1870), and J. J. L. Bargès' Mémoire sur le sarcophage et l'inscription funéraire d'Eschmounazar roi de Sidon (1856).

In February and March Dr. Genevieve Dollfus of the Centre National de Recherche Scientifique of France visited the Oriental Institute and informed us about the latest work and publications to be published in France. There will be many items of interest to everyone here.

Thanks must go to all who donated time, advice, and books to the Archives. Among them are John Brinkman, Klaus Baer, McGuire Gibson, Charles Nims, Albert Haas, Helene Kantor, Mrs. G. Swift, Robert McC. Adams, Sam Wolff, Barbara Hall, Jean Grant, and Bruce Williams. Staff members this year included Liz Garner, Jonathan Goodman, Pam Sears, Talvi Laev, and Afshin Amir-Alikhani. The hours for the Archives are as follows:

Summer quarter

9:00 a.m. to 5:00 p.m.
Monday through Friday
9:30 a.m. to 1:00 p.m.
Saturday
Closed Sunday
8:00 a.m. to 4:45 p.m.
Monday through Friday
10:00 a.m. to 4:00 p.m.
Saturday
noon to 4:00 p.m.

Sunday

Autumn to Spring Quarter

Publications

Jean E. Luther

The Tomb of Kheruef: Theban Tomb No. 192 (Oriental Institute Publications, vol. 102), by The Epigraphic Survey in cooperation with the Department of Antiquities of Egypt, was published in October 1980. The portfolio for this publication, which has a gold-embossed spine and a debossed area on its front cover to hold a monochrome photo of Kheruef's name in hieroglyphics, contains 88 looseleaf plates of halftones and line drawings, including a color plate of the "Nine Bows" (the traditional enemies of Egypt) on the dais of Amenhotep III, and key plans showing the location of scenes in the volume.

The accompanying booklet contains translations by Edward F. Wente and essays by Charles F. Nims ("The Tomb," which covers the modern history of the tomb, its architecture and decoration, and a description of the tomb after abandonment) and Labib Habachi ("The Owner of the Tomb") and a section on the titles and epithets of Kheruef by David B. Larkin. Charles Nims is volume editor.

Kheruef was a courtier of Amenhotep III and Amenhotep IV and served as steward to Queen Tiye, the mother of Akhenaton. His father, Siked, was the scribe of the army of the Lord of the Two Lands. His mother, Ruiu, bore, among other titles, that of "chantress of Amon," and it is she, rather than a wife, who appears behind Kheruef in a scene of the adoration of Re. She probably performed in a ceremony in the celebration of the first jubilee of Amenhotep III, and it is possble that Kheruef owed the start of his career to his mother's position in the court.

There is no indication that Kheruef was married. On the Bubastis fragment he is one "whom [the king] brought up in his palace," and many of his titles indicate his responsibilities to the ruler. On the wall of the portico of his tomb he appears as one of the chief participants in the celebration of the first and third jubilees of Amenhotep III.

As far as is known, the tomb that Kheruef began is the largest private tomb of the Eighteenth Dynasty. It was not completed, either because of a political situation or because of a structural collapse. Evidence in the tomb suggests that permission to construct it was granted in the last years of Amenhotep III, perhaps at the time of the third jubilee.

The style of the reliefs in the tomb is pre-Amarna. Nothing in the inscriptions indicates the new religious emphasis that appeared very early in the reign of Amenhotep IV: reference is always to the physical sun and not to its deified aspect; various gods are named, among whom Amon is frequently mentioned.

Other publications in progress:

The Temple of Khonsu 2: Scenes and Inscriptions in the Court and the First Hypostyle Hall, with Translations of Texts, and Glossary for Volumes 1 and 2 (Oriental Institute Publications, vol. 103); Prehistoric Archeology Along the Zagros Flanks (Oriental Institute Publications, vol. 105); The Great Hypostyle Hall at Karnak 1: The Wall Reliefs (Oriental Institute Publications, vol. 106); Excavations between Abu Simbel and the Sudan Frontier, part 5: C-Group, Pan Grave, and Kerma Remains from Cemeteries T, K, and U (Oriental Institute Nubian Expedition, vol. 5); American Expedition to Idalion, Cyprus: Second Preliminary Report (Oriental Institute Communications, no. 24); and The Holmes Expedition to Luristan (special publication).

5(Museum

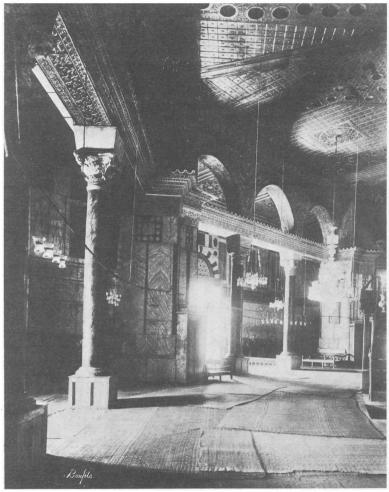
The Museum

John Carswell

Major efforts have been concentrated during the past year on improving museum services. That such a program could take place at all is largely due to a grant from the Institute of Museum Services of the federal Department of Education. For the third year running, the museum was successful in obtaining a grant from this source for general operating support. This year we were awarded \$35,000, the maximum amount allotted to any museum in the country, and a figure more than double either of the two previous grants we received.

At the moment the Institute of Museum Services is scheduled to be phased out, as part of President Reagan's policy of fiscal reform. The American Association of Museums is fighting a vigorous campaign to have this decision rescinded, in which the Oriental Institute Museum has actively joined. We have written to Congressman Yates, Chairman of the House Subcommittee, detailing just how important previous IMS grants have been to our recent development, and received a personal reply from him in which he said he was well aware of the Oriental Institute and the importance of our collections, since he is himself an old graduate of the University of Chicago.

As far as the conservation of our material is concerned, this year has seen a great stride forward in the reorganization of the basement storage facilities in the south wing by Barbara Hall, with a grant from the National Endowment for the Arts matched by funds from the Institute. With new cabinets, freshly painted walls, and proper lighting, this area is now a model for what we would like to achieve for all our storage. In the same manner, a grant from the National Science Foundation has continued to provide funds for initiating the preservation of our valuable photographic archives. This has been directed by the acting archivist, John Larson, who also has to his credit the notable achievement of practically eliminating the backlog of over a hundred outstanding orders for pho-



Interior of the Mosque of Omar, Jerusalem (from "Remembrances of the Near East")

tographs of objects in our collection, and reducing the delay for new orders to not more than six weeks.

In the museum itself the new security system is now fully operational, and we also have two full-time museum superintendents, Mr. Walker and Mr. Maadik, aided by well-trained student guards under the close control of Samuel Wolff, the museum assistant. The efficacy of our security arrangements was proved last April, on the occasion of a lecture by the Turkish Foreign Minister in

Breasted Hall. For this, dozens of police from Chicago, the University Security forces, and the Secret Service in Washington were drafted to the area. Early in the afternoon Mr. Walker spotted an unshaven youth in a yellow T-shirt taking photographs and behaving in a generally suspicious manner in Breasted Hall. On investigation the young man was revealed, to his consternation, to be the FBI's top undercover agent, in deep disguise!

Breasted Hall has been more frequently used for lectures, symposiums, and other purposes than anyone can recollect. This has put a considerable strain on the operation of its equipment, and the credit for its success is due to Denise Browning. Numerous lecturers are indebted to her for the calm and cheerful way that she has met their requirements.

Much of the energy of the museum staff this year has been expended on the four exhibitions we have mounted. The first, an exhibit of the photographs of Felix Bonfils and his family, 1867–1907, "Remembrances of the Near East," on loan from the Harvard Semitic Museum, provided a fascinating view of what many ancient and historic sites looked like in the second half of the nineteenth century. At the same time we displayed a selection of Near Eastern costumes and jewelry from the Klingeman collection (see last year's Annual Report), which complemented the photographs with actual examples of the sort of material they depicted. The popular appeal of these two shows was immediately apparent in a sharp increase in museum attendance figures, helped by an excellent and informative review in the Chicago Tribune by Alan Artner.

For the "Search for Alexander" exhibition at the Art Institute of Chicago, we were asked by the Director, James Woods, and his Curator, Louise Berge, if we would lend a fragment of sculpture from the Institute's excavations at Persepolis. After agreeing to this, we decided to mount our own exhibition of Alexander-related material, titled "Alexander and the East." This highlighted material from Persepolis, as well as a number of objects throughout the museum in which the influence of Hellenism can be detected. At the same time this provided an excuse for us to completely clean and redisplay the material in the Persian Hall, and install a new lighting system.

The major exhibition was the "Islamic Bindings and Bookmaking" installation, based on the Institute's fine collection of early medieval Islamic bindings, once part of the Moritz collection and acquired by James Henry Breasted almost exactly fifty years ago and never before shown in their entirety. The exhibition and ac-

companying catalogue took eighteen months to prepare, financed by a special grant of \$62,750 from the National Endowment for the Humanities. The exhibition was the first to use the whole of the Palestinian Gallery, which provided an excellent setting for the show, combining the objects themselves in specially-designed horizontal cases and much interpretive and illustrative material describing the process of Islamic bookmaking. The whole exhibition and indeed, the other three exhibitions as well-was constructed by Honorio Torres and his assistant preparator, Joseph Karbarz, who worked long hours and many weekends to make sure everything was finished in time, and this in addition to their normal responsibilities for museum maintenance. They are to be congratulated for never missing a deadline. Material for the exhibition was borrowed from the Chester Beatty Library in Dublin, and we received much active cooperation from the Special Collections section in Regenstein Library, in particular from Robert Rosenthal, the Curator, and his assistant Jeffery Abt. A second review in the Chicago Tribune proved to be equally effective in stimulating public interest.

Numerous scholars and students have used our collections in the past year, and we have made a number of loans to other institutions. The responsibility for this has fallen on the shoulders of our Registrar, Anita Ghaemi, who has handled the many complex arrangements with speed and efficiency. When two small objects belonging to us were stolen from a special exhibition in Peoria, it was her swift action, in alerting all museums and dealers across the country and in insisting that the theft be made known publicly, that was largely responsible for the recovery of the objects and the apprehension of the thief.

Finally, a word about our volunteers. Peggy Grant has described their activities elsewhere in the Report, but I would like to add my thanks to hers for all those volunteers who have given so much valuable time helping the Photographer, Registrar, and Archivist in their work. I am specially indebted to Teddy Buddington, Cissy Haas, Peggy Grant, Peggy Kovacs, and Leonard Byman, who helped to look after arrangements for visitors at the Islamic Bindings symposium. And that we now have a billboard on the street—for the first time in the museum's fifty years existence—is entirely due to the persistence and energy of another volunteer, Albert Haas. It has been an extraordinarily active and often unpredictable year, and our thanks are due to all of the staff, students, and volunteers who have helped in so many ways to make the museum a success.

The Conservation Laboratory

Barbara Hall

This year my energies in conservation were directed towards the rearrangement of our basement storage area. Because of a shortage of cabinet and floor space within the locked storage section, we had been unable to provide organized storage for our very fine Nubian collection; and of necessity, some of the objects were housed outside this area on open shelves next to the preparatory shop. There they were subjected to dust and fumes from the shop and a lack of proper security. My goals were to organize storage more efficiently to provide space both for thirty new locked cabinets and for an expanded work area for the registrar, and to bring a general sense of order and cleanliness to this long-neglected area of the basement. The energy needed to do all this was enormous, and I could not have accomplished anything without the strength and patience of our two preparators, Raymond Tindel and Honorio Torres, who-albeit with much grumbling and many complaintsdisassembled, moved, and reassembled what must have seemed like every cabinet in the basement.

First of all, our large unused exhibition cases scattered throughout storage were relocated in one section, freeing an area that when freshly painted and illuminated provided an archeological work area for Helene Kantor. Then hundreds of ceramic pots and stone relief fragments were moved from cabinets due to be relocated or from open shelves due for permanent dismantling. Chaos! Two movers who specialize in handling heavy art objects were called in to crate up and to move thousands of pounds of stone Khorsabad relief fragments from the center of the storeroom floor. True to Murphy's Law, after lying undisturbed and unnoticed for scores of years, and within a month of crating, the reliefs were the object of a scholar's request for examination. I had expected that something like this would happen, but not quite so soon.

Once floor space had been cleared of open shelves, work tables, and relief fragments, thirty new metal cabinets were installed. They are tall cabinets specifically designed to take advantage of our high ceilings and thus maximize limited storage space. Being of metal they are insect and fire proof, and their welded construction and the rubber gasket around the doors makes them virtually dust

proof. There is one "granddaddy" cabinet that is over seven feet long for our oversized artifacts: a coffin, a sarcophagus, several reed mats, spears, and a burial, all of which had previously been stored on top of cabinets. We also purchased two safety ladders to help us reach the new heights and a large cart to help us transport objects. To complement the pristine new cabinets (chosen in a light beige color), fluorescent lighting was installed and painting of the walls, last done in the 1930's, was begun.

All this was accomplished with the financial assistance of a \$5,000 National Endowment for the Arts grant prepared by the Conservation Laboratory and an additional \$15,000 provided by the Institute, including \$5,000 of private contributions specially earmarked for this project. John Carswell generously allocated \$2,000 from our this project. John Carswell generously allocated \$2,000 from our Institute of Museum Services Grant to cover the lighting and painting.

All this work has greatly improved our storage capabilities and our working space. There is still much to finish up—the task of moving the Nubian objects into the new cabinets has just begun—but at least the major reorganization, which was several years in the planning, has been finished.

Education Coordinator

Joan D. Barghusen

With the appointment of a full-time Education Coordinator in September 1980, the Oriental Institute Museum joined the small but growing circle of museums in the Chicago area that have education personnel whose primary focus is working with school students and teachers. This appointment was a natural extension of the educational efforts of the Volunteer Guide Program, and the work of the two programs is closely cooperative.

The main goal of the Education Coordinator is to make the resources of the museum available to students and teachers. The means of doing this are several, and initial steps have been taken in several directions, including the most basic one—that of making

the museum known on a wider basis. This has meant reaching out to school and education groups, inviting teachers and Board of Education personnel to functions at the Museum, and representing the Museum in city-wide organizations, such as the Chicago Area Museum Educators Roundtable and the newly formed Chicago Coalition for Education in the Arts.

A strong focus has been developing materials for students and teachers to use in conjunction with a visit to the Oriental Institute—the Teacher's Kit for elementary grades, developed with the help of a grant from the Illinois Arts Council, has been widely used this past year and is now in its second production. A similar set of materials is currently being written specifically for high-school-age students, again with the aid of an Illinois Arts Council grant.

Workshops for teachers have afforded exciting and rewarding opportunities to reach students through their teachers. Five workshops given this year included two on Uses of the Teacher's Kit, one on Egyptian Hieroglyphs, one on Books in the Ancient World in conjunction with the Islamic Bindings and Bookmaking Exhibit, and one on Alexander in the Ancient World, given for the Art Institute in connection with the Search for Alexander exhibit there. Similar workshops for the docents attempted to encourage and help docents focus their tours in appropriate ways for audiences with various interests.

Multiple-visit programs have been developed in cooperation with several school groups involved in on-going class study. This means consulting with teachers, recommending and lending materials, and developing suitable gallery activities and materials. Multiple visits represent a highly desirable use of the museum and we welcome them.

With the help of Volunteers Kitty Picken, Jackie Bagley, and Beth Mandelbaum, a series of four Saturday morning children's workshops were offered in January, giving us opportunities to work with children in a setting other than the usual tour. Further services in the pilot stage include the Outreach Program, in which speakers travel to the schools to show slides and offer discussion on some aspect of the Oriental Institute's work.

It has been a year of many tentative beginnings and we look forward, with the continuing support of Oriental Institute administration, staff, and volunteers, to enlarging and refining our activities in the coming year.

6(People

Membership Program

Eugene Cruz-Uribe

The role of the Membership program at the Oriental Institute is a pivotal one. Its primary goal is to provide its members with information and discussions concerning current research and discoveries about the ancient Near East. This is achieved primarily through its newsletter, lecture series, tour program, Members' Day, and education courses. At the same time the Membership Office channels contributions from the membership to help cover the expenses of the Institute and the many diverse projects it sponsors. The success of the Membership program continues to be the result of the generosity and interest of our members. I would like also to mention the work of Malinda Winans, the Membership Assistant. The many suggestions provided by Albert Haas have once again proved to be very useful to the maintenance of our program.

The Opening Lecture, this year presented by David Stronach, who discussed the Persian capital of Pasargadae, began our series entitled "Cities of the Ancient Near East." During the course of the year, we had lectures on Ebla, Carthage, Nippur, Persepolis, Sardis, Tell el-Amarna, and Malkata. After each lecture, members were treated to a variety of goodies including an ice cream social in January at which it is rumored that the membership secretary dressed as a soda jerk to help dispense the ice cream.

In October, 25 members journeyed to the People's Republic of China on an Institute-sponsored tour. They were able to visit the Great Wall as well as the vast excavations at Sian. In February I had the pleasure of leading the Institute tour to Egypt. An expanded itinerary took us to many new sites including Kharga Oasis and its many monuments. This coming year we are planning tours to Egypt and to Greece.

The members' education program has become a more vibrant entity. We have joined advertising efforts with the University Extension Division. This has led to increased enrollments in all our

course offerings. We are adding summer courses to our schedule after the success of last summer's hieroglyphs course. Among the offerings this year were Egyptian Magic, The Persian Empire, Babylonian Astrology and Astronomy, and Egyptian Art. Previously, Egyptian hieroglyphs was the only ancient language offered to members, but a course in Biblical Hebrew was so popular that we are planning to offer it and continuations on a more regular basis.

The year's programs were capped by the successful fund-raising dinner "Caught in a Wedge of Words." The dinner was sponsored by the Oriental Institute's Visiting Committee to help raise matching funds for an NEH grant for the Chicago Assyrian Dictionary. Following the dinner, Erica Reiner, editor of the dictionary, introduced members of the staff who performed several musical selections to a delighted audience.

These were only highlights of this past year's activities. I hope to see you all again soon.

Volunteer Guide Program

Peggy Grant

The docents of the Oriental Institute Museum have enjoyed a busy and educational year, working as salespersons in the Suq and guiding more than a thousand groups as well as countless individuals through the museum galleries.

The captains of each morning and afternoon session deserve special mention and praise for their all-important role in making all visitors welcome, helping to train new docents, and being responsible for all arrangements for their tours. We are all proud of them and grateful to them:

Tuesday morning: Mary Jo Khuri and Sally Grunsfeld

Tuesday afternoon: Terry Friedman Wednesday morning: Jane Imberman Wednesday afternoon: Muriel Nerad Thursday morning: Kitty Picken Thursday afternoon: Elizabeth Spiegel

74 PEOPLE

Friday morning: Gloria Orwin Friday afternoon: Milton Droege

Saturday: Calla Burhoe

Sunday: Teresa Hintzke and Albert Haas

We continue to be in the debt of the Director of the Oriental Institute, Professor John Brinkman, and of the curator, John Carswell, for their moral and financial support. We receive much help and encouragement from our advisory committee, Professor Klaus Baer, Carolyn Livingood, and Jill Maher. Our newly appointed Educational Coordinator, Joan Barghusen, has given the volunteer program help, advice, and time at every level. It is a pleasure and a privilege to have her on the staff of the Oriental Institute. The program is dependent on the museum office staff, particularly on Myrna Simon, who schedules all our tours and films, and notifies us of last-minute changes.

The volunteers have enjoyed monthly meetings with educational programs on subjects ranging from the History and Mythology of the Great Goddess to The Relation of the Bible to Ancient Near Eastern History. Docent Albert Haas has given us a slide lecture on archeological sites in China, and Cissy Haas has guided us through the Egyptian Gallery from an artist's point of view. Joan Barghusen has conducted workshops on the Oriental Institute Teacher's Kit and on Egyptian Writing. Janet Helman has joined her in giving a demonstration "Biblical Tour." At our Christmas Buffet Party in the galleries, pins were presented to five-year docents Leonard Byman, Evelyn Dyba, Gerry Enck, Mimi Futransky, Teresa Hintzke, Gloria Orwin, Jo Ann Putz, and Barbara Watson.

Many of the docents have, as always, taken advantage of the annual training course to attend lectures given by Professors Klaus Baer, Edward Wente, Janet Johnson, McGuire Gibson, Robert Biggs, John Brinkman, Harry Hoffner, and Matthew Stolper and gallery study sessions with Carolyn Livingood, Peggy Grant, Robert Ritner, Carol Meyer, Richard Zettler, and Calla Burhoe.

In addition to the Monday training sessions, an 8-week Saturday Seminar was conducted by the Volunteer Chairman for persons who could not attend the Monday sessions and would volunteer on weekends. Saturday docents Calla Burhoe, Shirley Jean Anderson, Joan Bessey, and Marilyn Ford assisted in the gallery study.

We welcome the members of the new classes to the corps of regular volunteers:

Deborah Aliber Edward Aviza James Bailey Ravanna Bey Catherine Chilewski Dianne Haines Ineke Hamburger Mark Jaroslow Brian Kiniry Erhard Loewinsohn Jean Robertson Polly Schaad Mary Walton

Our Docent Digest is circulated monthly during the academic year, and has contained articles relevant to the museum collections written by Elda Maynard, Janet Helman, Lilian Cropsey, Neal Whitman, and Joan Barghusen.

Jane Imberman, Muriel Nerad, and Milton Droege attended the National Docent Symposium held at the Indianapolis Museum of Art in March, and reported that the ideal docent program would include "education programs for the docents, space for study, library privileges, good academic preparation, knowledge of label material, an understanding of the technical nature of objects, and the ability to communicate and to involve people in the museum experience." These recommendations will serve as our guidelines and ideals as we seek to improve our services to the general public in the shop and the museum of the Oriental Institute.

Regularly Scheduled Museum Docents

Shirley Jean Anderson
Jacqueline Bagley
Joan Bessey
Ann Blomstrom
Teddy Buddington
Calla Burhoe
Anne Conway
Lilian Cropsey
Mary d'Ouville
Milton Droege
Harold Dunkel
Sylvia Easton
Laurie Fish
Marianne Ford
Terry Friedman

Carol Green
Anita Greenberg
Sally Grunsfeld
Albert Haas
Janet Helman
Teresa Hintzke
Blanche Hirsch
Marsha Holden
Jane Imberman
Mary Jo Khuri
Katherine Kimball
Elsie Loeb
Georgie Maynard
Dorothy Mozinski

Emily McKnight Gloria Orwin Muriel Nerad Rita Picken Kitty Picken Jo Ann Putz Joan Rosenberg Janet Russell Mary Shea Elizabeth Spiegel Lexie Spurlock Oliver Szilagyi Rosalinde Vorne Neal Whitman

Part-time Museum Docents

Betty Baum Stacey Greenberger Bettee Miller
Ida DePencier Cissy Haas Alice Mulberry
Gerry Enck Janet Hurwich Laurie Reinstein
Barbara Frey Myrette Katz Helga Singwi
Mimi Futransky Beth Mandelbaum Susan Westfall

Lita Gaber

Volunteers in the Museum's Registrar's Office

Laura Barghusen Agatha Elmes Jennifer Newman
Mark Bermann Blanche Hirsch Anna Seeto
Steve Boozer Alice Irwin Oliver Szilagyi
Lilian Cropsey Anthony Kuhn
Sylvia Easton Georgie Maynard

Volunteers in the Photography Department

Joseph Denov Sylvia Easton Alice Irwin

Volunteer in the Conservation Laboratory Ann Boulton

Volunteers in the Quseir Project

Martha Bays Sally Zimmerman Jean Zuk

Lisette Ellis

Volunteer in the Museum Archives Margaret Arvey

Assistant to Professor Helene Kantor Carolyn Livingood

Ceramic Restoration Betty Tieken

The Suq

Chris DerDerian

The annual report of the Suq is dedicated to its volunteer docents, who successfully adapted to the several changes the year brought. Early in the year the Suq acquired new card racks and additional shelving, which allowed for a greater variety of merchandise. Emphasis was put on hand-crafted items from the marketplaces of the Near East and the development of items which were exclusive to the Oriental Institute. Along with rugs, copperware, and camel bags, the Suq acquired a Christmas card developed from Nina Davies' painting "Three Vignettes" from the temple of Queen Nefertari. In connection with the Islamic Bindings and Bookmaking exhibition, an attractive rendition of a detail from an Indian Mugal miniature of the early seventeenth century and a postcard reproduction of a Persian lacquer bookcover from a calligraphic manual were designed by Mr. Carswell. The Suq's selection of books was also enhanced through a trip to the American Book-



Near Eastern copperware displayed in the Suq during the past year

sellers Association annual meeting where our book buyer, Liz Williams, purchased a number of gift and children's books relating to the Near East.

While familiarizing themselves with new merchandise, the Suq Docents were also introduced to a new inventory system. A uniform six-digit identification code was adopted categorizing Suq merchandise by dealer, number, and type.

A greater emphasis was put on mail order sales during the year, with a new Suq catalogue developed for the Christmas season. Denise Browning, in charge of Suq mail order sales, filled over 300 orders for doctoral candidate Peter Piccione's version of King Tut's game, featured in the Suq's catalogue and in an advertisement in Archaeology magazine. The activities of the year, combined with the efforts of the Suq Docents, resulted in a 30% increase in gross sales, from \$58,262.00 in July 1979–April 1980 to \$87,583.37 for the same period this year. A large note of appreciation goes to the Suq Docents, with a special thank-you to Mrs. Swift and Volunteer Coordinator Peggy Grant for their extra time and efforts.

Regularly Scheduled Suq Docents

Ria Ahlstrom	Peggy Kovacs	Florence Teegarden
Muriel Brauer	Barbara Liesenfeld	Mardi Trosman
Leonard Byman	Rochelle Rossin	Sherry Turner
Evelyn Dyba	Mary Schulman	Norma van der Meulen
Pat Erfuth	Ozella Smith	Barbara Watson
Diane Grodzins	Eleanor Swift	Elaine Whitman
Jo Jackson		

Sug Docents Part-Time

Peggy Carswell	Carol Green	Pat Sadler
Barbara Frev	Mary Irons	Mary Schloerb

Suq Volunteers in Office and Stockroom Kay Ginther Eleanor Swift

The Chester D. Tripp Endowment Fund

Under the terms of the will of Mr. Tripp, who died in 1974, an endowment fund was established to support the programs of the Oriental Institute. During 1980–81, income from the fund helped support the following activities and projects:

purchase of a new movie screen for the Institute classroom purchase of storage boxes for the museum basement honoraria for two archeological lectures purchase of a map file for archeological plans soil tests from the Nippur excavations payment for the Nippur site guards editing and production costs for Institute publications construction of two new bookcases for the Research Archives purchase of a specially keyed typewriter for a faculty member installation of new wiring in the Suq reproduction of the photographs of lexical texts from Ras Shamra purchase of two map cabinets for the Research Archives typing for the Oromo Dictionary printing costs for the Tomb of Kheruef publication.

The Maurice D. and Lois B. Schwartz Endowment Fund

This past year the income from the Schwartz Endowment underwrote:

cleaning of the stonework in the Iranian Hall the lecture series on the Carthage excavations the new outdoor display signs for the museum typing costs for two archeological publications illustrations for the Nubian archeological reports.

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