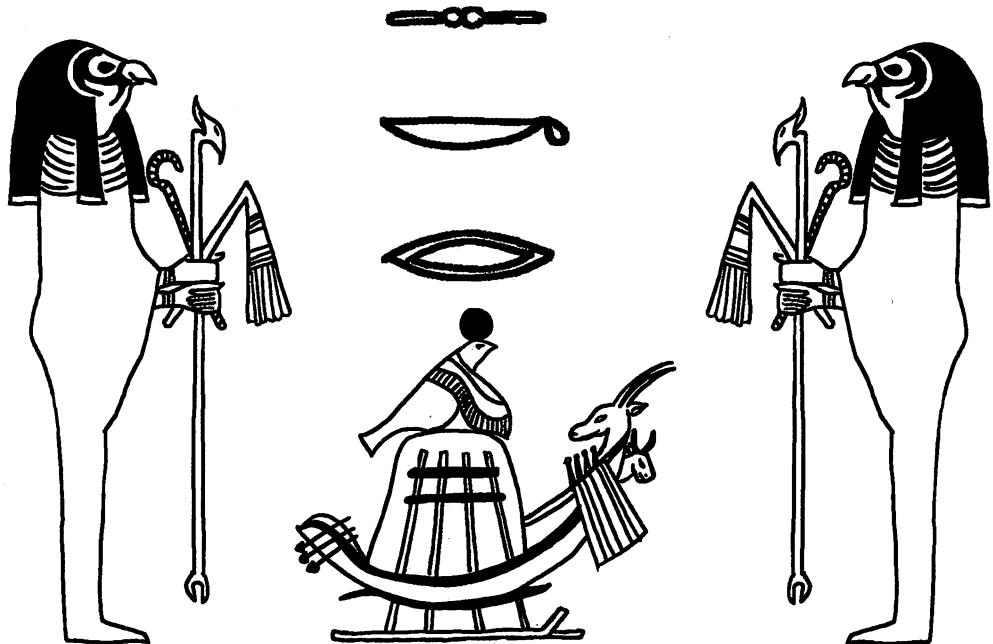


# Semawy Menu

## Volume 2



Institute for Conservation and Restoration  
of Cultural Properties  
Kansai University, Japan  
2010

# Semawy Menu Volume 2

سماوي منو

معهد صيانة و ترميم التراث الثقافي  
جامعة كانساي- اليابان 2010

Institute for Conservation and Restoration  
of Cultural Properties  
Kansai University, Japan  
2010

## 目 次

---

イドウートの地下埋葬室母岩の補強施工試験	伊藤淳志、西形達明	1
Condition of the Mural Paintings of the South Wall of Idout Tomb and Suggested Treatment (Investigation Report)	アフメド・シュエイブ、 アーデル・アカリシュ、吹田浩	7
Characterization of Some Inorganic Pigments and Plasters Used in Old Kingdom, Saqqara Area, Egypt	アーデル・アカリシュ、 アフメド・シュエイブ、吹田浩	17
Role of Salts in the Deterioration and Collapsing of Ancient Egyptian Stones	アフメド・シュエイブ	29
Application of Artificial Rock for Archaeological Site	沢田正昭	45
古墳時代後期の装飾古墳の総合的保存対策 —福島県、史跡・泉崎横穴の保存、修復、活用—	西浦忠輝、嶋村一志、 朽津信明、菊地芳朗	51
Life and Spatial Structure in Saqqara Village, a Settlement Adjacent to Archaeological Site (Vol. 2)	岡絵理子、古谷彰基、 小出朗、村上和弘、山本けい	67
宇宙と植物のシンボリズムと樹木信仰—〈世界樹〉のイメージをめぐって—	森貴史	75
エジプト文化財汚染カビの同定と壁画モデルとしての 彩色石片上でのカビの発育挙動	涌田恭兵、岡本光由、久米田裕子、 高鳥浩介、アフメド・シュエイブ、 アーデル・アカリシュ、 吹田真里子、吹田浩、土戸哲明	91
ガスクロマトグラフィー質量分析による 壁画中の有機化合物の分析	久富広隆、浅井重博、川崎英也、 アフメド・シュエイブ、 吹田浩、荒川隆一	103

Polymer Adhesives for Restoration of Cultural Properties	中村吉伸、伊東慶子、 今村圭吾、加藤陽介、西田祐詞	111
The Study of Desalination for Disrupted Wall Paintings at Cave 98 of Mogao Grottoes	陈港泉、樊再轩、 苏伯民、李燕飞、乔海、唐伟	119
ウニス王のピラミッド・テキスト（2）—第23番～第57番—	吹田浩	133
Report on the Geology of Saqqara Area, Egypt	アーデル・アカリシュ	143
ニー・カア・アンクの相続に関する一考察 —土地譲渡にみる女性の立場—	吹田真里子	151
「失われた書簡」における人物相関について	川部恵美	159
Wall Paintings: Techniques and Technology of their Performance, and a Short Characteristic of the Structure of Selected Paintings in Europe	エヴァ・ロズネルスカ	171
Shaping Aesthetic Concepts in Wall Painting Restoration	ヴワディスワフ・ザレウスキ	189
The Present Condition of Saqqara Monuments from the Beginning of First Dynasty to the End of Old Kingdom	ムスタファ・アブデル・ファッターハ	199
Egyptian Monuments and Conservation Policy in Saqqara Inspectorate	サブリ・ファラグ	211
古代エジプト新王国時代の棺に関する一考察 —ブラックタイプからイエロータイプへの変遷—	市橋絵理	219
国際研究集会要旨（2010年11月13日開催）		237

## C O N T E N T S

---

Reinforcement Tests of Mother Rock in Burial Chamber of Idout	.....Atsushi ITO and Tatsuaki NISHIGATA•••1
Condition of the Mural Paintings of the South Wall of Idout Tomb and Suggested Treatment (Investigation Report)	.....Ahmed S. SHOEIB, Adel I. M. AKARISH and Hiroshi SUITA•••7
Characterization of Some Inorganic Pigments and Plasters Used in Old Kingdom, Saqqara Area, Egypt	.....Adel I. M. AKARISH, .....Ahmed S. SHOEIB and Hiroshi SUITA•••17
Role of Salts in the Deterioration and Collapsing of Ancient Egyptian Stones	.....Ahmed S. SHOEIB•••29
Application of Artificial Rock for Archaeological Site	.....Masaaki SAWADA•••45
Total Conservation Measure of an Ornamental Tumulus of the Early 7th Century: Case Study on Izumizaki Cave Tumulus in Fukushima, Japan	.....Tadateru NISHIURA, Kazushi SHIMAMURA, .....Nobuaki KUCHITSU and Yoshio KIKUCH•••51
Life and Spatial Structure in Saqqara Village, a Settlement Adjacent to Archaeological Site (Vol. 2)	.....Eriko OKA, Akinori FURUTANI, .....Akira KOIDE, Kazuhiro MURAKAMI and Kei YAMAMOTO•••67
Der Weltbaum	.....Takashi MORI•••75
Identification of Fungus Specimens Isolated from Egyptian Cultural Property Sites and Behaviors of Fungal Growth on the Painted Stone Chips as Model Mural Painting	.....Kyohei WAKUTA, Mitsuyoshi OKAMOTO, Yuko KUMEDA, .....Kosuke TAKATORI, Ahmed S. SHOEIB, Adel I. M. AKARISH, .....Mariko SUITA, Hiroshi SUITA and Tetsuaki TSUCHIDO•••91
Characterization of Organic Binding Media Used in Egyptian Painting Layers by GC/MS	.....Hirotaka HISATOMI, Shigehiro ASAI, .....Hideya KAWASAKI, Ahmed S. SHOEIB, .....Hiroshi SUITA and Ryuichi ARAKAWA•••103

Polymer Adhesives for Restoration of Cultural Properties

.....Yoshinobu NAKAMURA, Keiko ITO,  
Keigo IMAMURA, Yosuke KATO and Yuji NISHIDA...111

The Study of Desalination for Disrupted Wall Paintings at Cave 98 of Mogao Grottoes

.....Chen Gangquan, Fan Zaixuan,  
Su Bomin, Li Yanfei, Qiao Hai and Tang Wei...119

Pyramid Texts of Unis (2): Utterances 23-57.....Hiroshi SUITA...133

Report on the Geology of Saqqara Area, Egypt.....Adel I. M. AKARISH...143

The Position of Women regarding

the Succession of Land in the Tomb of *Ni-k3-‘nḥ*.....Mariko SUITA...151

Correlation in "Misplaced Letter to the Dead".....Megumi KAWABE...159

Wall Paintings: Techniques and Technology of their Performance, and a Short Characteristic

of the Structure of Selected Paintings in Europe.....Ewa ROZNERSKA...171

Shaping Aesthetic Concepts in Wall Painting Restoration.....Władysław ZALEWSKI...189

The Present Condition of Saqqara Monuments from the Beginning of First Dynasty

to the End of Old Kingdom.....Mostafa A. ABDEL-FATAH...199

Egyptian Monuments and Conservation Policy in Saqqara Inspectorate.....

.....Sabry Mohy el-Din FARAG...211

A Consideration on Coffins in New Kingdom:

Their Transition from Black Type to Yellow Type.....Eri ICHIHASHI...219

Abstracts of the International Meeting

"Case Studies in the Conservation of Wall Paintings"

Held at Kansai University in November 13, 2010.....237

## ERRATA of Volume 1

Page	For	Read
Page 17	Development of a 3D model of the Step Pyramid by the Latvian Scientific Mission in co-operation with Supreme Council of Antiquities is in act in Saqqara Necropolis <sup>20</sup> (Fig.11).	Development of a 3D model of the Step Pyramid by the Latvian Scientific Mission <sup>20</sup> and by the Saqqara Laser Scanning Survey Project (Fig. 11), headed by Dr. Zahi Hawass and Dr. Mark Lehner, in co-operation with Supreme Council of Antiquities is in act in Saqqara Necropolis.
Page 17 Fig. 11	3D Model at Djoser's Pyramid using Japanese technology ( <i>Al-Jaban</i> , the Embassy of Japan in Cairo, 2008, no. 8, p.7)	The SLSS Japanese team led by Dr. Kosuke Sato of Osaka University ( <i>Al-Jaban</i> , the Embassy of Japan in Cairo, 2008, no. 3, p.7.)
Note 20	Europe-Egypt 2004, 116.	Europe-Egypt 2009, 116.
Page 18	Europe-Egypt: A Long-lasting Archaeological Cooperation, Cairo 2004.	Europe-Egypt: A Long-lasting Archaeological Cooperation, Cairo, 2009.

発行日：2011年3月8日

発 行：関西大学文化財保存修復研究拠点

〒 564-8680

大阪府吹田市山手町3丁目3番35号

Tel : 06-6368-1456

Fax : 06-6368-1457

March 8, 2011

Institute for Conservation and Restoration of Cultural

Properties, Kansai University

Address : 3-3-35 Yamate-cho, Suita-shi, Osaka

564-8680 JAPAN

Tel : +81-(0)6-6368-1456

Fax : +81-(0)6-6368-1457

Copyright © 2011 Institute for Conservation and Restoration of Cultural Properties,  
Kansai University. All right reserved.