Mapping and demistifying Digital scholarship
Combining 3D models with an Institutional Repository

Presented by: Leon Pienaar & Hettie Groenewald
Old Merensky Library by Leon Pienaar
Uploaded on September 26, 2008

Description
In 1933 it was decided by the University to construct a separate building for the library which was then still located in...

http://repository.up.ac.za/opuspace/handle/2263/65366
In 1933 it was decided by the University to construct a separate building for the library which was then still located in the Old Arts building. With a contribution of £10 000 from mining geologist Dr Hans Merensky, construction started in 1937. General Jan Smuts laid the cornerstone on 11 October 1937 and on 15 April 1938 the building was officially opened. Sketchup model drawn by Mnr CF Oosthuizen

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Report a policy violation
Google Earth

• **Google Earth** is a virtual globe, map and geographic information program that was originally called EarthViewer 3D, and was created by [Keyhole, Inc](https://www.keyhole.com), a company acquired by [Google](https://www.google.com) in 2004.

• It maps the Earth by the superimposition of images obtained from [satellite imagery](https://www.satimagery.com), [aerial photography](https://www.aerialphotographyinc.com) and [GIS 3D](https://www.gis3d.com) globe.

[www.wikipedia.org](https://www.wikipedia.org)
Google Earth

- Available as: Google Earth, Google Earth Pro
- Use: PC’s: Windows 2000, Mac OS X, Linux Kernel, FreeBSD.
- May 2008: browser plugin
- iPhone OS October 2008, as a free download from the App Store.
- Google also added the imagery from the Earth database to their web based mapping software.
- Increase in media coverage on virtual globes
- Public interest in geospatial technologies and applications.
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"This country has given me so much that I am only too happy to be allowed to help it to develop and to be able to give back to it a fraction of what it has given to me..." - Dr. Hans Merensky, at the opening of the Merensky Library.

In designing the building, architect Gerhard Moerdyk was influenced by various styles, including Art Deco, Neo-Classicism, Arts and Crafts, as well as local styles such as Cape Dutch and Regency. Moerdyk himself described the building as a study in Persian style, with influences from Africa including the Zimbabwe and...
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In designing the building, architect Gerhard Moerdyk was influenced by various styles, including Art Deco, Neo-Classicism, Arts and Crafts, as well as local styles such as Cape Dutch and Regency. Moerdyk himself described the building as a study in Persian style, with influences from Africa including the Zimbabwe and ancient Egyptian ruins. He used local materials and incorporated symbols of African origin. The prominent zigzag pattern, for example, is taken from the Zimbabwe ruins and represents water and fertility, the crocodile as a water figure and the bird as a symbol of space, symbolizing the freedom and creativity of the author. The curving of the walls symbolises an open book. The green bevelled glass windows were imported from Italy and helped to minimise heat from the sun and also protected paper against ultraviolet light. The design of the building is a source of controversy and speculation with some claiming that Moerdyk used it as a practice run for the design of the Voortrekker Monument, as there are many similarities between the two buildings. Today this national monument serves as the Edoardo Villa museum and also houses amongst others, a Mimi Coertse, Marita Napier and the largest South African sheet music collections.

Source: Campus Building Guide 2008

Campus map

Old Merensky Library on Google Earth: 25°45′15.76″S, 28°13′47.87″E

Old Merensky Library on Wikipedia

3D Models of Old Merensky Library on Google 3D Warehouse
Why UPSpace?

What is an “Institutional Repository”?
• Set of services
• Manage and dissemination of digital material
• Organizational commitment
• Long-term preservation
• Organization
• Open access
• Distribution
More about UPSpace

- History of UPSpace
- Roles, collaboration, material
- Objectives: visibility and preservation
- Accommodating new formats
Title: Old Merensky: Artlantis model

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Author/s: Oosthuizen, C.F.
Editor/s: Läufers, Monika
Other Contributor/s: Moerdijk, Gerard

LC Subjects: Library buildings -- South Africa -- Pretoria
University of Pretoria -- Buildings
University of Pretoria -- History
Architecture -- South Africa -- Pretoria
Architectural models

Keywords: Merensky I
Merensky 1
Eduardo Villa Museum
Old Merensky Library
Moerdijk, Gerard
Moerdijk, G.P.I.
Merensky, Hans, 1871-1952
Virtual models
Main campus

Issue Date: 2008

Abstract: In 1933 it was decided by the University to construct a separate building for the library which was then still located in the Old Arts building. With a contribution of £10,000 from mining geologist Dr Hans Merensky, construction started in 1937. General Jan Smuts laid the cornerstone on 11 October 1937 and on 15 April 1938 the building was officially opened. "This country has given me so much that I am only too happy to be allowed to help it to develop and to be able to give back to it a fraction of what it has given to me..." - Hans Merensky. At the opening of the Merensky Library, in designing the building, architect Gerhard Moerdijk was influenced by various styles, including Art Deco, Neo-Classicism, Arts and Crafts, as well as local styles such as Cape Dutch and Regency. Moerdijk himself described the building as a study in Persian style, with influences from Africa including the Zimbabwe and ancient Egyptian ruins. He used local materials and incorporated symbols of African origin. The prominent zigzag pattern, for example, is taken from the Zimbabwe ruins and represents water and fertility, the crocodile as a water figure and the bird as a symbol of space, symbolising the freedom and creativity of the author. The curving of the walls symbolises an open book. The green bevelled glass windows were imported from Italy and helped to minimise heat from the sun and also protected paper against ultraviolet light. The design of the building is a source of controversy and speculation with some claiming that Moerdijk used it as a practice run for the design of the Voortrekkers Monument, as there are many similarities between the two buildings. Today this national monument serves as the Eduardo Villa museum and also houses amongst others, a Mali Goorso, Monte Naper and the largest South African sheet music collections.

Description: Artlantis model of the Old Merensky, created by using the Artlantis software. To access the model, please use Artlantis software which can be downloaded from: http://www.artlantis.com/index.php?page=download/demo/index.
Created by 3rd year B.Sc.(Arch) student, University of Pretoria, 2008.

URI: http://hdl.handle.net/2263/6566
Rights: University of Pretoria
Type: Image, 3-D
Language: en
Outcomes

• Google Analytics
• Tacit knowledge contributed
• More models uploaded
• Web page
• Virtual campus launch
• Landscape proposal
• Architects involvement
• ABLE space
• Integration
More models uploaded
Web page
Virtual Campus launch

Departments of Architecture & Library Services

Leon Pienaar
Architects involvement
ABLE Space

Welcome to the Department of Architecture

The Department of Architecture is an integral part of the University of Pretoria. Through internationally accredited programmes and a commitment to innovation, we promote and expand the conceptual framework of South African society. The Department offers undergraduate and postgraduate programmes in architecture, interior architecture, and landscape architecture.

Yearbook Modules

News

C.J. I. sponsors ABLExP - 04/05/2010
From ABLExP

Thanks to the generous sponsorship of the Cement & Concrete Institute, the function on the 11th of May will be treated to a delicious cocktail function afterwards.

[Read More]

NOC. TD 2010 award winner - Jacques Orton - 06/04/2010
From Department of Architecture

The Networked Digital Library of Theses and Dissertations (NDLTD) consortium is pleased to announce that its 11th annual conference, held in Pretoria, will focus on the theme of "Current Research Trends in South Africa".

ABELSpace

African Buildings and Landscape Environment

ABELSpace, the Institutional Repository Digital Collections of the Department of Architecture, is a multi-faceted project that aims to record, digitise, archive and disseminate material, landscapes, structures, spaces and objects of architecturally historical research value in order to disseminate information and promote research in the field.

Our collection is constantly evolving, providing new material to the researcher. As a team dedicated to open-access full text research data we provide this material to all with the request that the source always be acknowledged in any output that utilises our resources.

Search Architectural repositories

Staff and Student Research

The research output of the Department of Architecture on UPspace.

Virtual Campus

Virtual campus project initiated in 2008. View the Google map of the project.

Archival Collections

Archival research material of the Department of Architecture on UPspace.

UP E-Press

Electronic publishing outlet for open access material on UPspace. Read more.

Last edited by Henning van Aswegen
Integration
In conclusion ...
Thank you!

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Bibliography


• Wikipedia