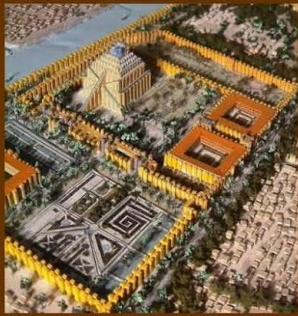


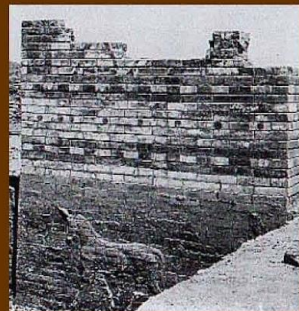
# THE HISTORY OF ARCHITECTURE

FROM PREHISTORIC TO MODERN TIMES



the fourth Album:

## THE ANCIENT MESOPOTAMIAN ARCHITECTURE



**Albums of characteristic examples for the Educational course**

**by Dr. Konstantin I.Samoilov**

Almaty, 2017

**This series of albums generated for information purposes of the Educational course "The General History of Architecture": 2 credits / 30 hours of lectures.**

Until the mid-19<sup>th</sup> century, examples are grouped by region. In this period, the phenomenon of a single world architectural process begins to manifest itself. Since the last third of the 19<sup>th</sup> century, examples have been grouped by decades.

**Thirty albums illustrate the following topics:**

- the 1<sup>st</sup> Album: EDUCATIONAL AND SCIENTIFIC-THEORETICAL SOURCES
- the 2<sup>nd</sup> Album: THE PREHISTORIC ERA'S ARCHITECTURE
- the 3<sup>rd</sup> Album: THE ANCIENT EGYPT'S ARCHITECTURE
- **the 4<sup>th</sup> Album: THE ANCIENT MESOPOTAMIAN ARCHITECTURE**
- the 5<sup>th</sup> Album: THE ANCIENT GREECE'S ARCHITECTURE
- the 6<sup>th</sup> Album: THE ANCIENT ROME'S ARCHITECTURE
- the 7<sup>th</sup> Album: THE MEDIEVAL WEST EUROPEAN ARCHITECTURE
- the 8<sup>th</sup> Album: THE EUROPEAN RENAISSANCE'S ARCHITECTURE
- the 9<sup>th</sup> Album: THE MEDIEVAL MAGHREB'S, THE NEAR EASTERN AND THE CAUCASUS'S ARCHITECTURE
- the 10<sup>th</sup> Album: THE MEDIEVAL CENTRAL ASIAN ARCHITECTURE
- the 11<sup>th</sup> Album: THE MEDIEVAL CHINESE ARCHITECTURE
- the 12<sup>th</sup> Album: THE MEDIEVAL SOUTHEAST AND EAST ASIAN ARCHITECTURE
- the 13<sup>th</sup> Album: THE MEDIEVAL CENTRAL AMERICAN ARCHITECTURE
- the 14<sup>th</sup> Album: THE EASTERN EUROPE MIDDLE AGES AND NEW TIMES ARCHITECTURE
- the 15<sup>th</sup> Album: THE WESTERN EUROPEAN AND NORTH AMERICAN OF NEW TIMES ARCHITECTURE

- the 16<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1870's
- the 17<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1880's
- the 18<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1890's
- the 19<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1900's
- the 20<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1910's
- the 21<sup>st</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1920's
- the 22<sup>nd</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1930's
- the 23<sup>rd</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1940's
- the 24<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1950's
- the 25<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1960's
- the 26<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1970's
- the 27<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1980's
- the 28<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 1990's
- the 29<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 2000's
- the 30<sup>th</sup> Album: THE WORLD'S ARCHITECTURE OF THE 2010's

Examples are distributed in chronological order of the construct completion.

**Images sources are indicated directly near with illustrations on each page.**

Architects and companies listed on the basis of aggregate data from different sources (for some objects from various sources indicate different authors). About some buildings listed authors in the available sources has not yet been found.

The Author expresses his gratitude to Internet resources – <https://www.google.com> ; <https://www.wikipedia.org> – which to provide the ability to collect an information.

*The 4<sup>th</sup> Album's front cover:*

**The Etemenanki ziggurat (the "Tower of Babel"), Babylon; 1792 -1750 BC - [http://3.bp.blogspot.com/-](http://3.bp.blogspot.com/-Ae0VuVqjTBc/TrhJvqFh0HI/AAAAAAAAAw/W8RquDHD9ts/s1600/B51.jpg)**

**[Ae0VuVqjTBc/TrhJvqFh0HI/AAAAAAAAAw/W8RquDHD9ts/s1600/B51.jpg](http://3.bp.blogspot.com/-Ae0VuVqjTBc/TrhJvqFh0HI/AAAAAAAAAw/W8RquDHD9ts/s1600/B51.jpg)**

**The Dur-Sharrukin ("Fortress of Sargon"), Assyria; 722 - 705 BC - [http://tar-tass.ru/media/news/2937 theme.jpg](http://tar-tass.ru/media/news/2937_theme.jpg)**

**Hanging Gardens, Nebuchadnezzar's Palace, Babylon; 605-522 BC -**

**[http://www.gumer.info/bibliotek Buks/History/drevnie civilizaci/01\\_clip\\_image037\\_0000.jpg](http://www.gumer.info/bibliotek_Buks/History/drevnie_civilizaci/01_clip_image037_0000.jpg)**

**The Ishtar's Gate, Grand Entrance to Town, Babylon; 575 BC - <http://www.greatcommission.com/berlin/53.jpg>**

### **Purpose of the 4<sup>th</sup> Lecture:**

To study the basic features of the Mesopotamian Architecture in the Ancient period.

### **Tasks of the 4<sup>th</sup> Lecture:**

- To consider characteristic examples of specifically organized spaces and buildings;
- To accentuate the features of construction depending on the availability of building materials;
- To emphasize the difference between cult and dwelling buildings.

### **Tasks for the self-research work:**

1. Study the change in the nomenclature of buildings and structures during the evolution of the architecture of Ancient Mesopotamia
2. Analyze geometric parameters of main types of structures and buildings.

### **Questions for the self-preparation:**

1. What is the structure of the Ziggurat complexes in different periods?
2. What is the structure of typical palace complexes in different periods?

### **Themes of abstracts (16 pages, 40 000 characters, A4 format):**

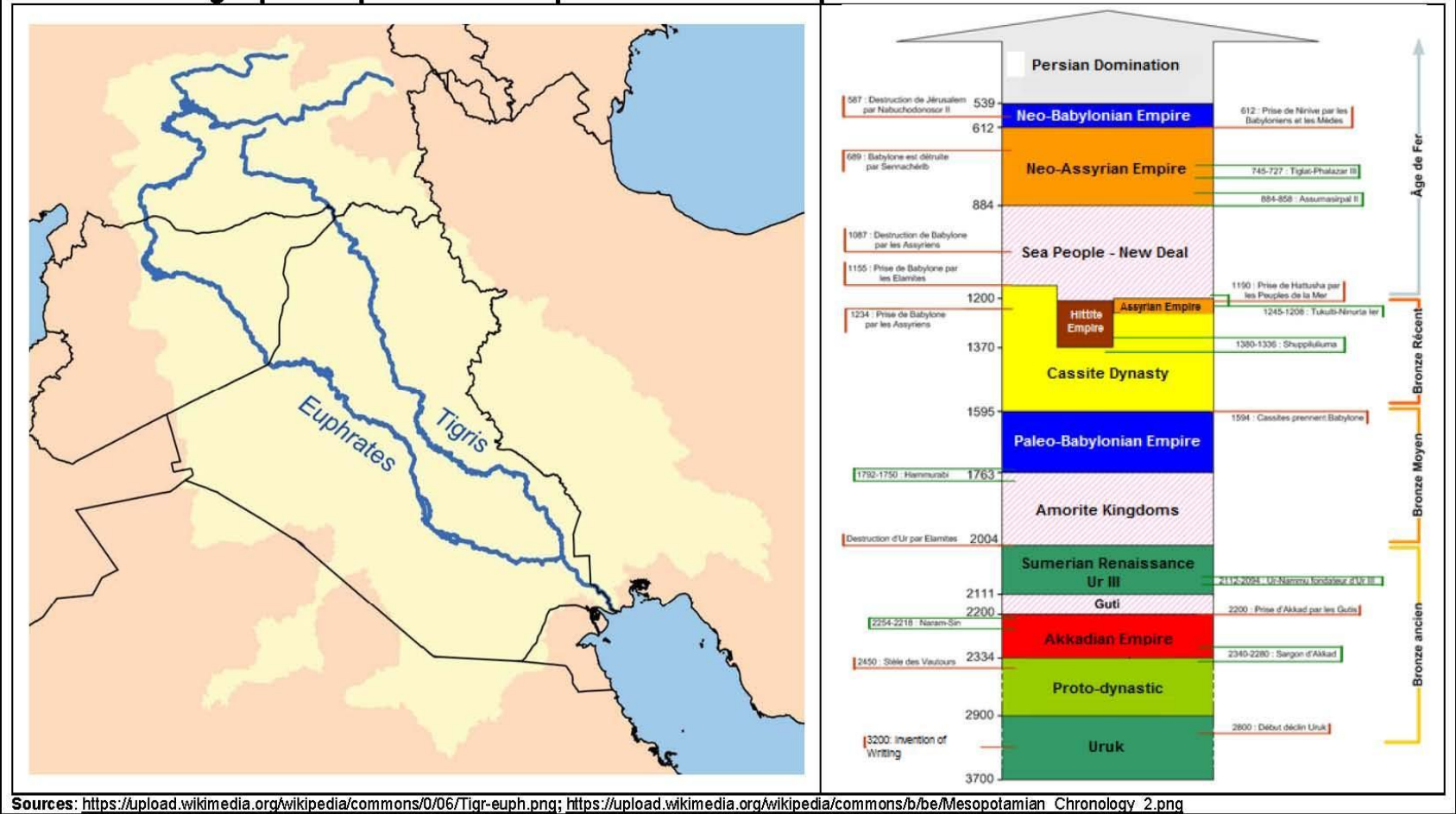
1. The evolution of the Architecture in the Sumer's and Akkad's period
2. The evolution of the Architecture in the Babylon's period
3. The evolution of the Architecture in the Assyrian period

## **Examples for the 4<sup>th</sup> Lecture:**

- 4.1** The Ancient Mesopotamia: The Geographical position and periods of Development
- 4.2** The "Oval temple", Khafajeh (ancient Tutub); 3rd millennium BC
- 4.3** The Great Ziggurat, Ur-Nammu; approximately 21st century BC
- 4.4** The "White temple", Uruk; The "Temple VII", Eridu; end of 2nd millennium BC
- 4.5** The Etemenanki ziggurat (the "Tower of Babel"), Babylon; 1792 - 1750 BC
- 4.6** The Temple complex, Borsippa (Birs Nimrud), 9th-6th century BC
- 4.7** The Dur-Sharrukin ("Fortress of Sargon"), Assyria; 722 - 705 BC
- 4.8** Hanging Gardens, Nebuchadnezzar's Palace, Babylon; 605-522 BC
- 4.9** The Ishtar's Gate, Grand Entrance to Town, Babylon; 575 BC
- 4.10** The Anu & Antu temple, Uruk; 2nd century BC

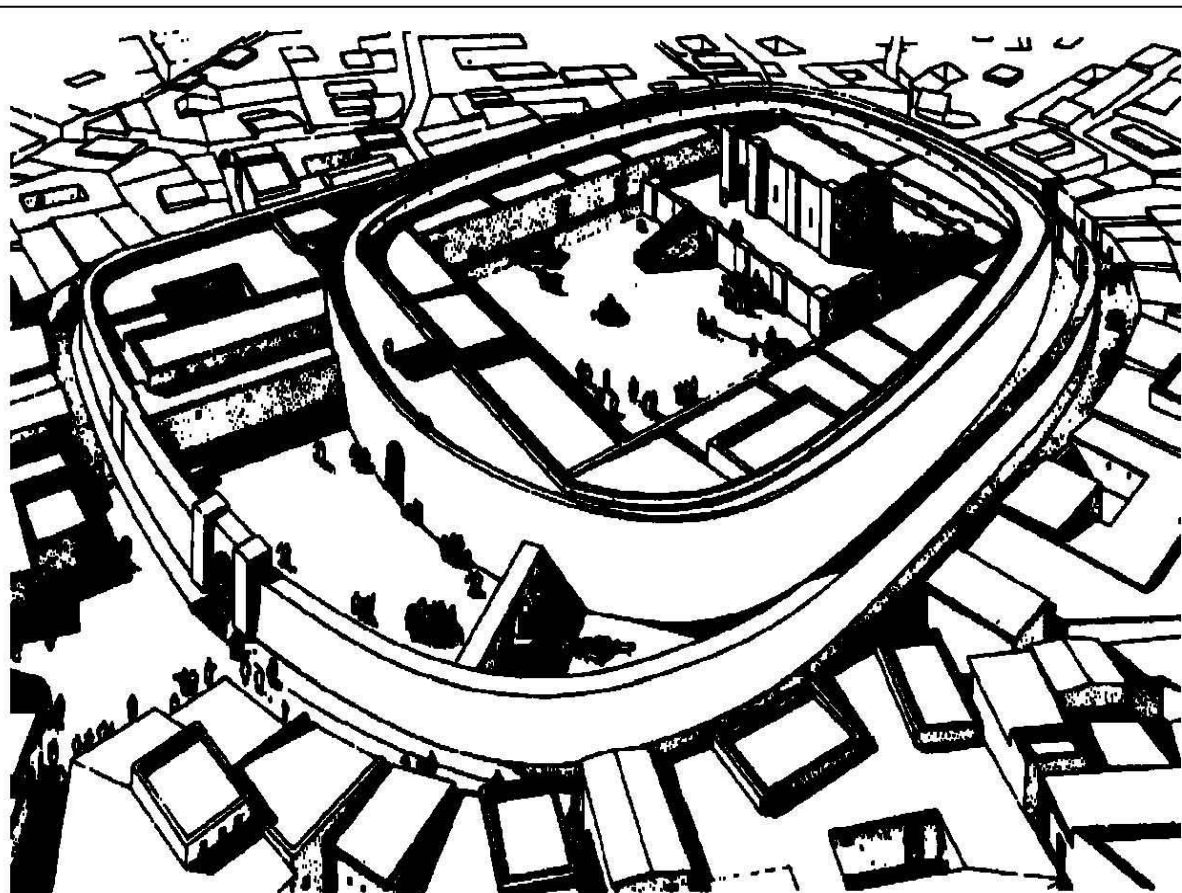


## 4.1 The Ancient Mesopotamia: The Geographical position and periods of Development



Sources: <https://upload.wikimedia.org/wikipedia/commons/0/06/Tigr-euph.png>; [https://upload.wikimedia.org/wikipedia/commons/b/be/Mesopotamian\\_Chronology\\_2.png](https://upload.wikimedia.org/wikipedia/commons/b/be/Mesopotamian_Chronology_2.png)

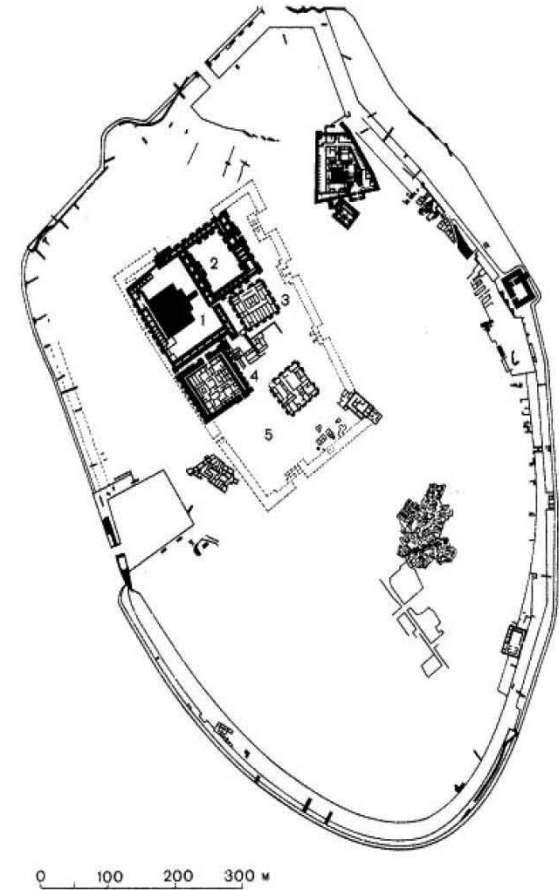
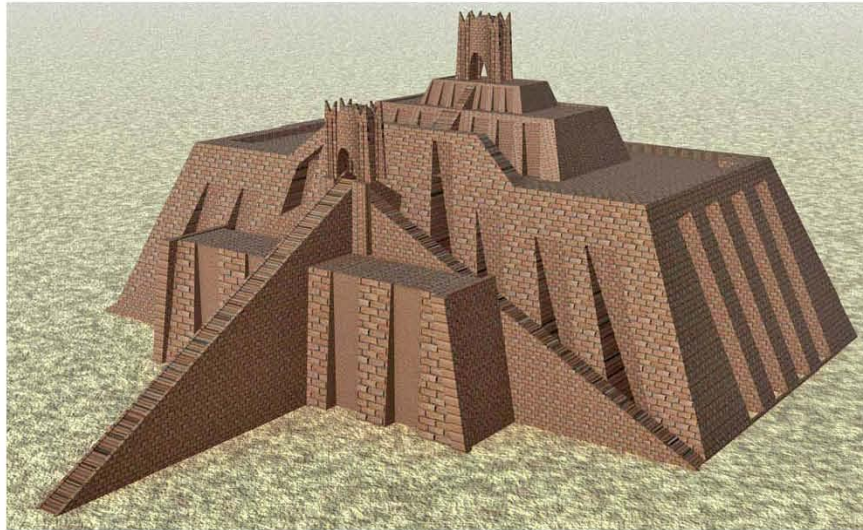
## 4.2 The "Oval temple", Khafajeh (ancient Tutub); 3<sup>rd</sup> millennium BC



Sources: <http://www.iraqwho.com/ArchaeologicalSite/khafajiah/images/04.jpg> ; <http://www.unc.edu/depts/classics/courses/clar241/KhafOvTAer.jpg> ; [http://www.bible-history.com/past/images/oval\\_temple\\_khafaje.gif](http://www.bible-history.com/past/images/oval_temple_khafaje.gif)

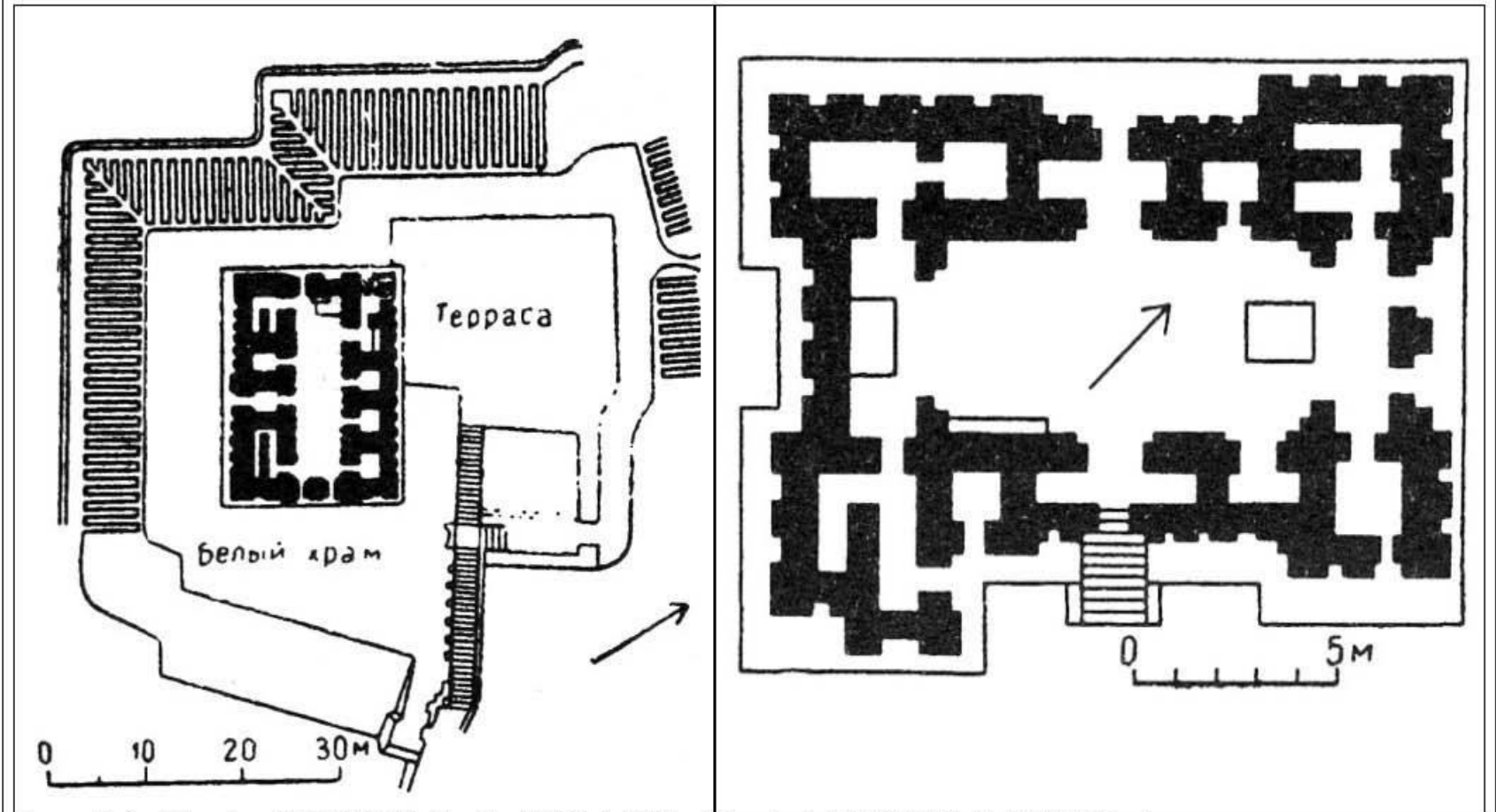


### 4.3 The Great Ziggurat, Ur-Nammu; approximately 21<sup>st</sup> century BC



Sources: <http://smallbay.ru/images6/b0.jpg> ; [https://upload.wikimedia.org/wikipedia/commons/8/80/Ziggurat\\_of\\_ur.jpg](https://upload.wikimedia.org/wikipedia/commons/8/80/Ziggurat_of_ur.jpg) ; [http://img-fotki.vandex.ru/get/5907/anilow.107/0\\_7eb3a\\_cf5817d\\_orig](http://img-fotki.vandex.ru/get/5907/anilow.107/0_7eb3a_cf5817d_orig)

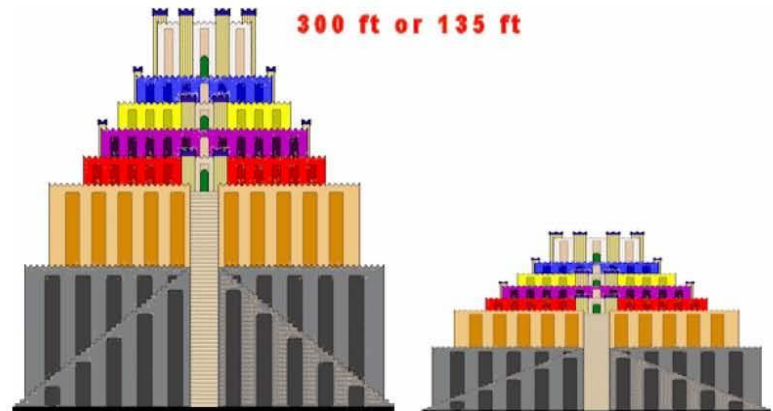
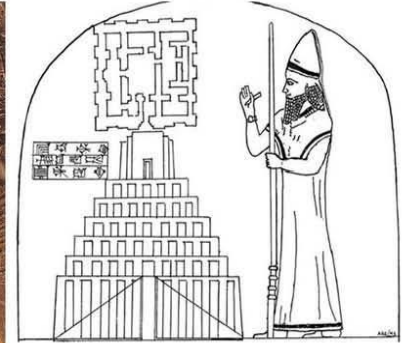
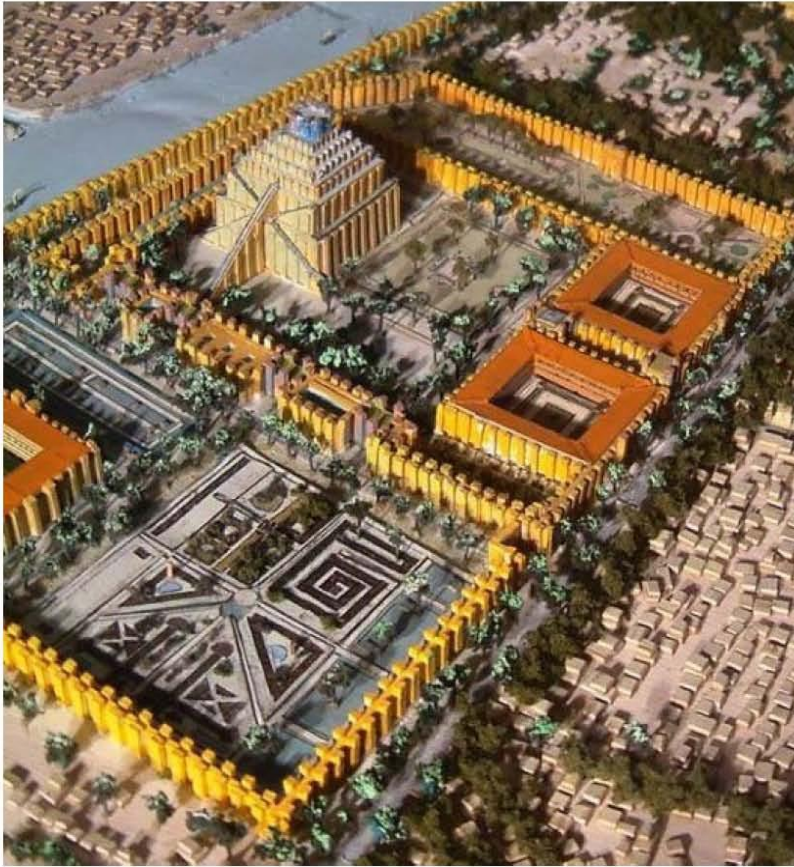
#### 4.4 The "White temple", Uruk; The "Temple VII", Eridu; end of 2<sup>nd</sup> millennium BC



Sources: [http://img-fotki.yandex.ru/get/6425/1771339.1ec/0\\_ae720\\_a6c32456\\_orig](http://img-fotki.yandex.ru/get/6425/1771339.1ec/0_ae720_a6c32456_orig); [http://img-fotki.yandex.ru/get/4125/1771339.1ec/0\\_ae71f\\_51585b86\\_orig](http://img-fotki.yandex.ru/get/4125/1771339.1ec/0_ae71f_51585b86_orig)

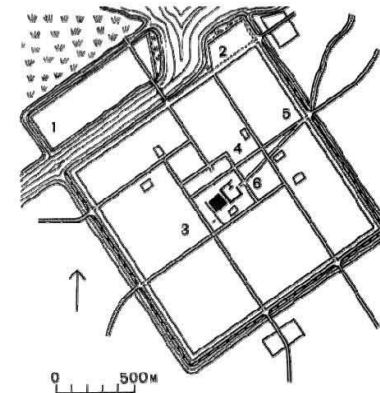
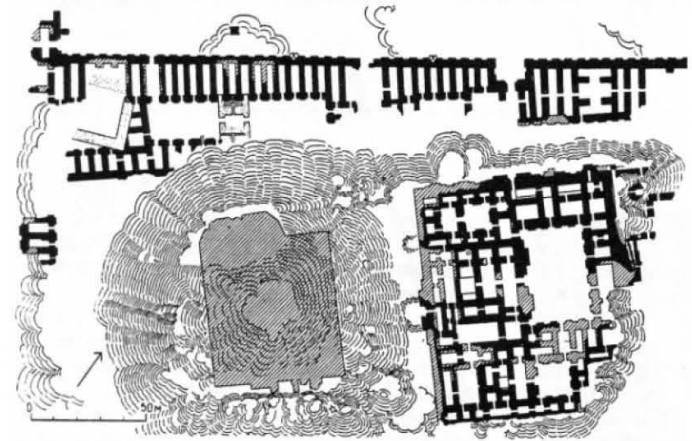
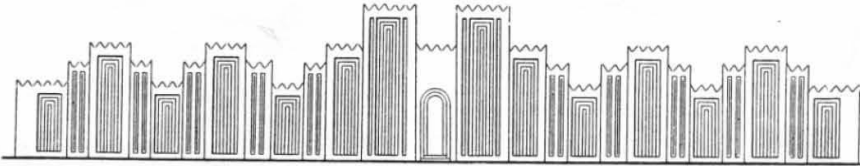


#### 4.5 The Etemenanki ziggurat (the "Tower of Babel"), Babylon; 1792 -1750 BC



Sources : <http://3.bp.blogspot.com/-Ae0VuVqjTBc/TrhJvgFh0HI/AAAAAAAAAw/W8RquDHD9ts/s1600/B51.jpg> ; <http://www.globalsecurity.org/military/world/iraq/images/etemenanki-image2.gif> ;  
<http://paranormal-news.ru/nw/125/s68236587.jpg>

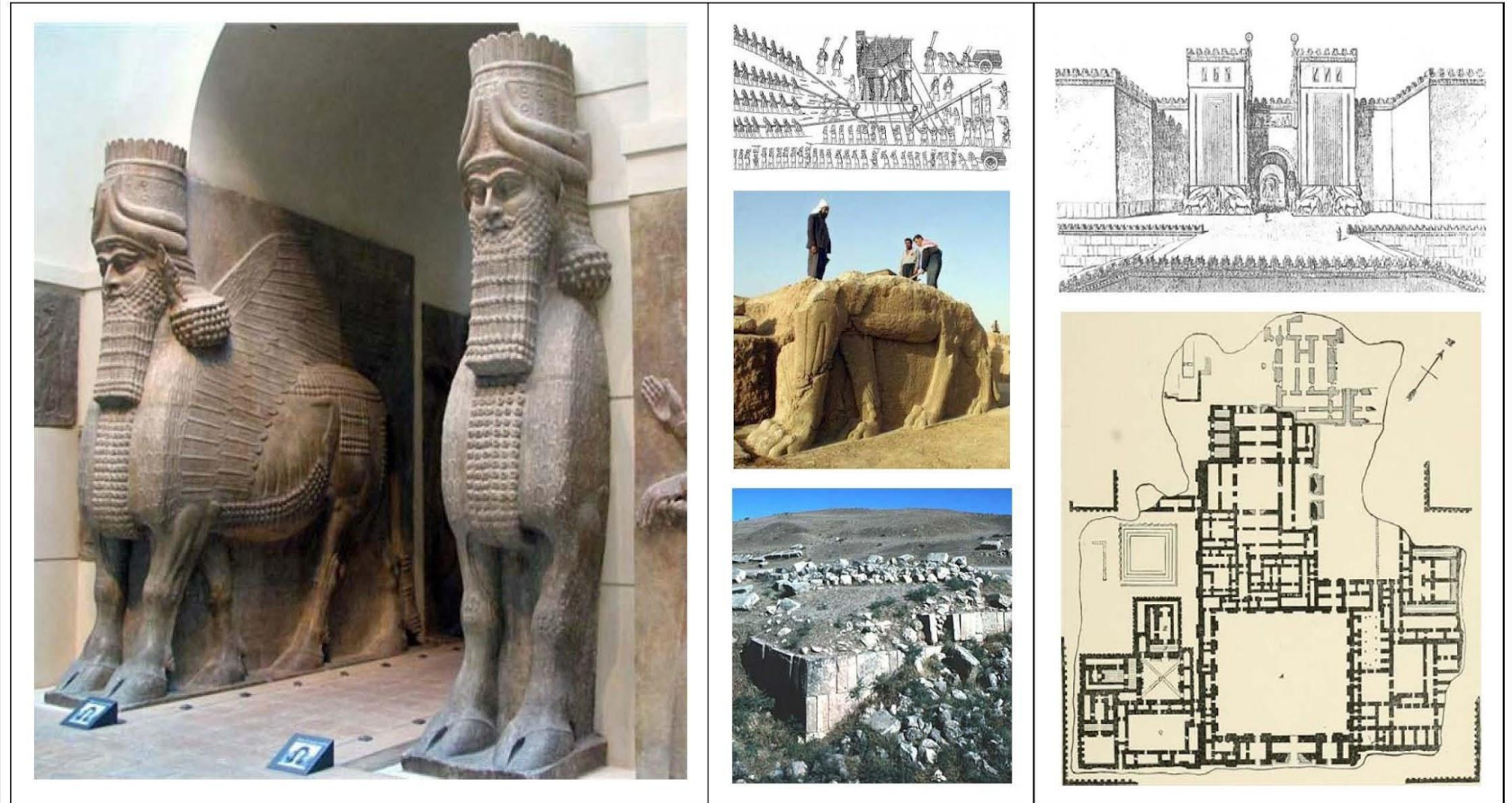
## 4.6 The Temple complex, Borsippa (Birs Nimrud), 9<sup>th</sup>-6<sup>th</sup> century BC



Sources: [http://img-fotki.yandex.ru/get/5625/1771339\\_1ec/0\\_ae728\\_c02aed62\\_orig](http://img-fotki.yandex.ru/get/5625/1771339_1ec/0_ae728_c02aed62_orig) ; [http://dostoyanieplaneti.ru/media/k2/galleries/3380/8673\\_900.jpg](http://dostoyanieplaneti.ru/media/k2/galleries/3380/8673_900.jpg) ;  
<http://www.mediagnosis.ru/HISTORY/GRAPH/Pictures/JPG/4-054-2.gif>



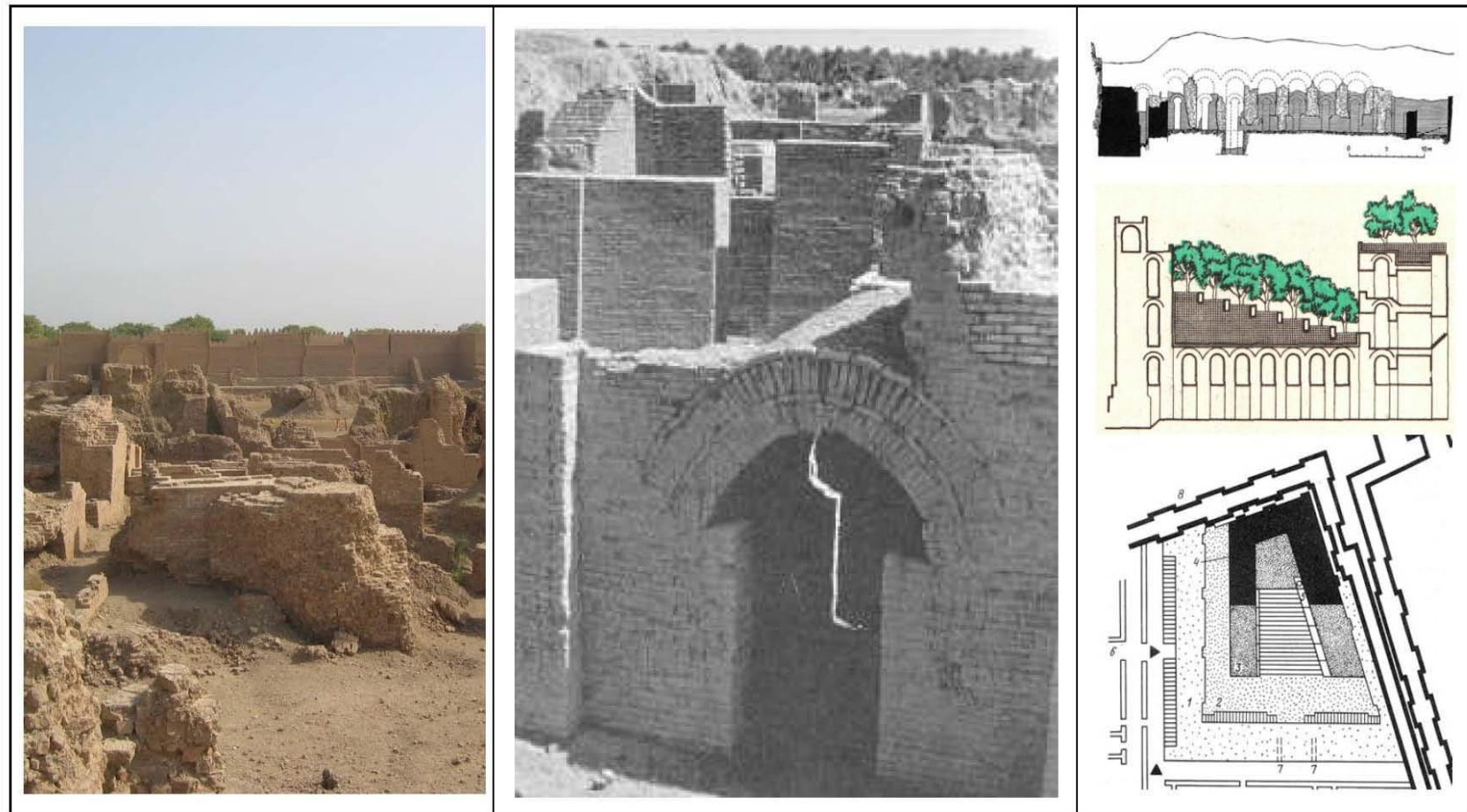
## 4.7 The Dur-Sharrukin ("Fortress of Sargon"), Assyria; 722 - 705 BC



Sources: [http://tar-tass.ru/media/news/2937\\_theme.jpg](http://tar-tass.ru/media/news/2937_theme.jpg) ; [http://www.gumer.info/bibliotek/Buks/History/drevnie\\_civilizaci/01\\_clip\\_image041.jpg](http://www.gumer.info/bibliotek/Buks/History/drevnie_civilizaci/01_clip_image041.jpg) ; <http://www.znaniyamira.ru/img/81/80.jpg> ; <https://www.cemml.colostate.edu/cultural/09476/images/iraq05-042-07.jpg> ; [https://upload.wikimedia.org/wikipedia/commons/thumb/4/45/Plan\\_of\\_Palace\\_of\\_Sargon\\_Khosrabad\\_Reconstruction\\_1905.jpg/800px-Plan\\_of\\_Palace\\_of\\_Sargon\\_Khosrabad\\_Reconstruction\\_1905.jpg](https://upload.wikimedia.org/wikipedia/commons/thumb/4/45/Plan_of_Palace_of_Sargon_Khosrabad_Reconstruction_1905.jpg/800px-Plan_of_Palace_of_Sargon_Khosrabad_Reconstruction_1905.jpg)

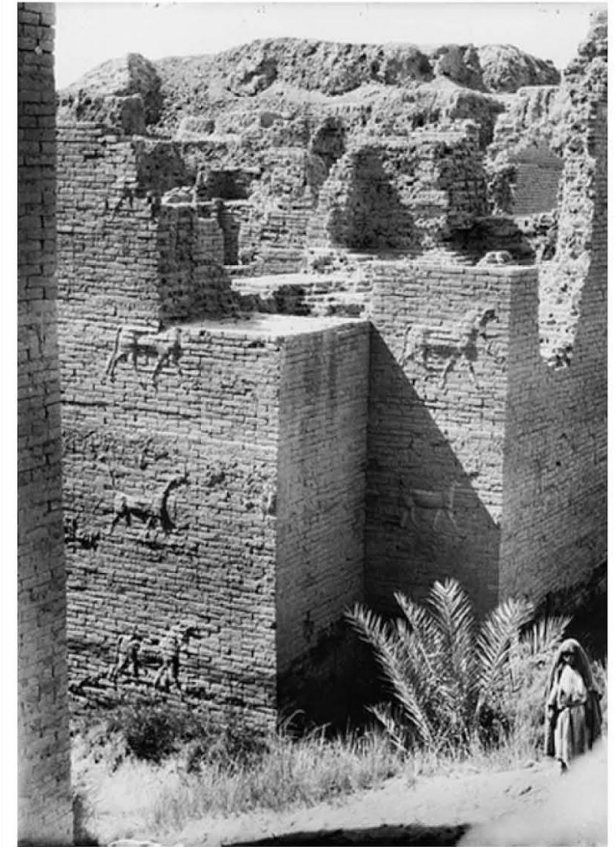
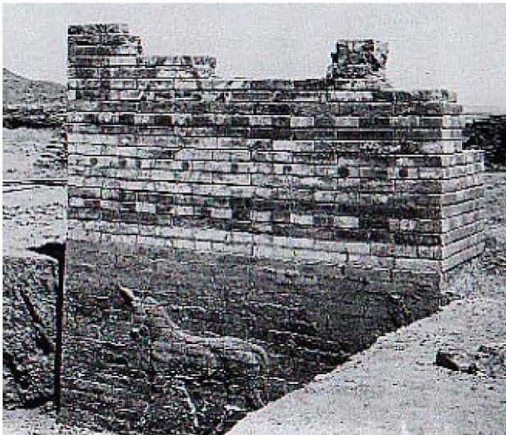


## 4.8 Hanging Gardens, Nebuchadnezzar's Palace, Babylon; 605-522 BC



Sources: [http://s00.yaplakal.com/pics/pics\\_original/4/3/1/1615134.jpg](http://s00.yaplakal.com/pics/pics_original/4/3/1/1615134.jpg); [http://www.gumer.info/bibliotek\\_Buks/History/drevnie\\_civilizaci/01\\_clip\\_image037\\_0000.jpg](http://www.gumer.info/bibliotek_Buks/History/drevnie_civilizaci/01_clip_image037_0000.jpg); [http://img-fotki.yandex.ru/get/6445/1771339.1ec/0\\_ae727\\_7c6d9fd9\\_XL.jpg](http://img-fotki.yandex.ru/get/6445/1771339.1ec/0_ae727_7c6d9fd9_XL.jpg); [http://landscape.totalarch.com/files/greenbuild/5/05\\_92.jpg](http://landscape.totalarch.com/files/greenbuild/5/05_92.jpg); [http://img-fotki.yandex.ru/get/5109/anilov.f9/0\\_76c21\\_caa0a875\\_L.jpg](http://img-fotki.yandex.ru/get/5109/anilov.f9/0_76c21_caa0a875_L.jpg)

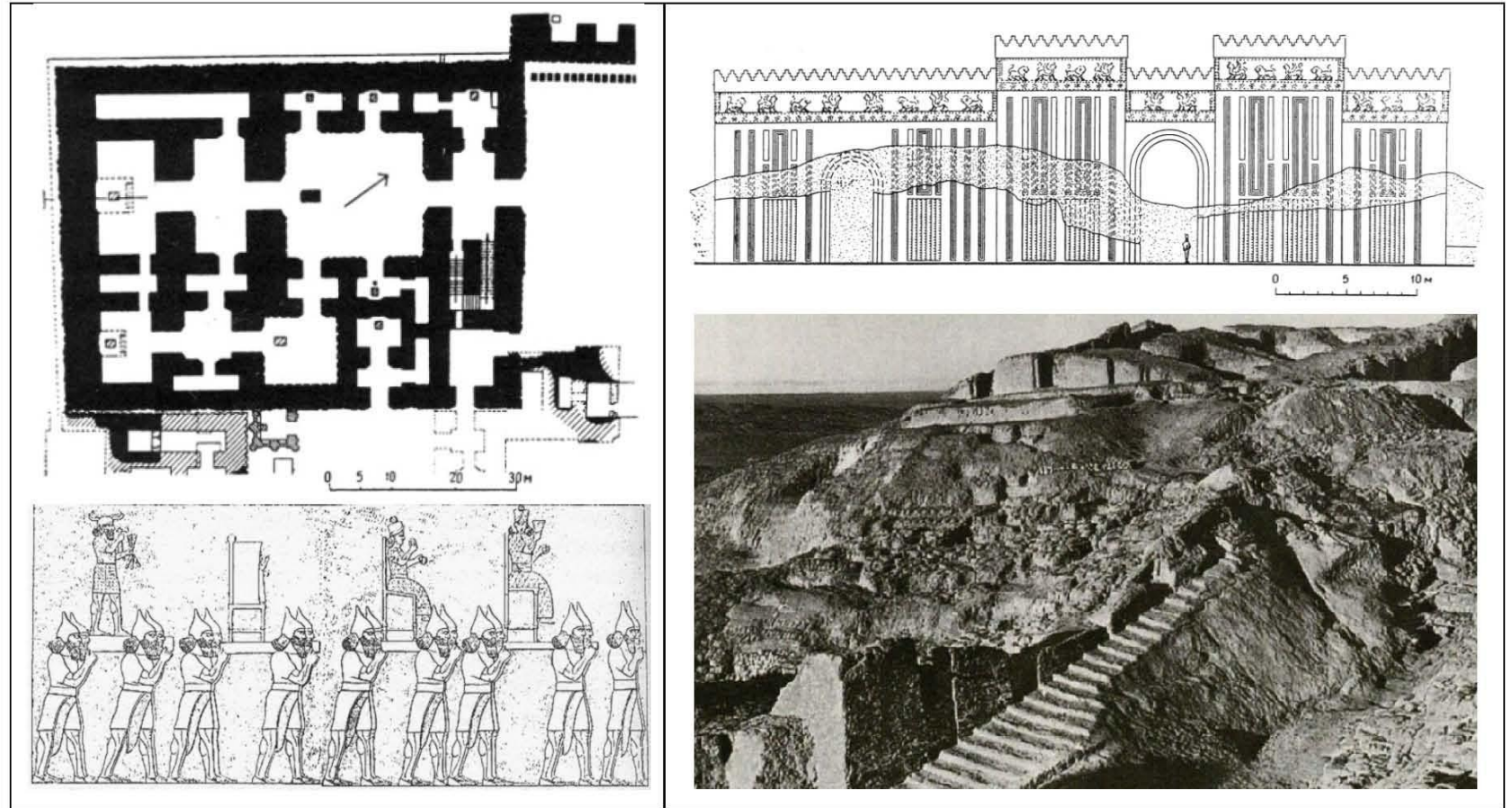
## 4.9 The Ishtar's Gate, Grand Entrance to Town, Babylon; 575 BC



Sources: [https://upload.wikimedia.org/wikipedia/commons/thumb/e/e3/Ishtar\\_Gate\\_at\\_Berlin\\_Museum.jpg/800px-Ishtar\\_Gate\\_at\\_Berlin\\_Museum.jpg](https://upload.wikimedia.org/wikipedia/commons/thumb/e/e3/Ishtar_Gate_at_Berlin_Museum.jpg/800px-Ishtar_Gate_at_Berlin_Museum.jpg) ; <http://www.greatcommission.com/berlin/53.jpg> ; <http://www.livescience.com/images/i/000/037/396/original/2-Trowel-diplomacy.JPG> ; [https://farm8.static.flickr.com/7439/16450796152\\_6087f7dee3\\_b.jpg](https://farm8.static.flickr.com/7439/16450796152_6087f7dee3_b.jpg)



### 4.10 The Anu & Antu temple, Uruk; 2<sup>nd</sup> century BC



Sources: [http://img-fotki.yandex.ru/get/5647/1771339.1ec/0\\_ae729\\_ea062b85\\_ori](http://img-fotki.yandex.ru/get/5647/1771339.1ec/0_ae729_ea062b85_ori) ; <http://www.mesopotamiangods.com/wp-content/uploads/2015/01/1e-Anu-Antus-procession-in-Uruk.jpg> ; <http://www.mesopotamiangods.com/wp-content/uploads/2015/01/2da-Uruks-White-Temple.png>

### Recommended educational and scientific-theoretical sources:

1. Библиотека Гумер - история: Глава 1. Цивилизации Шумер, Вавилона, Ассирии. - URL: [http://www.gumer.info/bibliotek\\_Vuks/History/drevnie\\_civilizaci/01.php](http://www.gumer.info/bibliotek_Vuks/History/drevnie_civilizaci/01.php)
2. Двуречье (Месопотамия) / Коллекция Архитектурных Планов. – URL: <http://kannelura.info/?tag=mesopotamia>
3. Hanging Gardens of Babylon / From Wikipedia, the free encyclopedia. - URL: [https://en.wikipedia.org/wiki/Hanging\\_Gardens\\_of\\_Babylon](https://en.wikipedia.org/wiki/Hanging_Gardens_of_Babylon)
4. Ishtar Gate / From Wikipedia, the free encyclopedia. - URL: [https://en.wikipedia.org/wiki/Ishtar\\_Gate](https://en.wikipedia.org/wiki/Ishtar_Gate)
5. Cultura Mesopotámica. – URL: <http://www.taringa.net/posts/info/13990681/Cultura-mesopotamica.html>
6. Архитектура и скульптура Месопотамии. Культура и зодчество Междуречья. - URL: <http://smallbay.ru/architec012.html>
7. Архитектура Месопотамии: базовые элементы. - URL: [http://www.mosarchinform.ru/architecture/p2\\_articleid/13306](http://www.mosarchinform.ru/architecture/p2_articleid/13306)
8. Первые храмы. - URL: <http://www.burana.ru/art/west/300.html>
9. Ziggurat of Ur / From Wikipedia, the free encyclopedia. - URL: [https://en.wikipedia.org/wiki/Ziggurat\\_of\\_Ur](https://en.wikipedia.org/wiki/Ziggurat_of_Ur)
10. Etemenanki / From Wikipedia, the free encyclopedia. - URL: <https://en.wikipedia.org/wiki/Etemenanki>
11. Dur-Sharrukin / From Wikipedia, the free encyclopedia. - URL: <https://en.wikipedia.org/wiki/Dur-Sharrukin>
12. Borsippa / From Wikipedia, the free encyclopedia. - URL: <https://en.wikipedia.org/wiki/Borsippa>

## Briefly about the Author



# Konstantin I.SAMOILOV

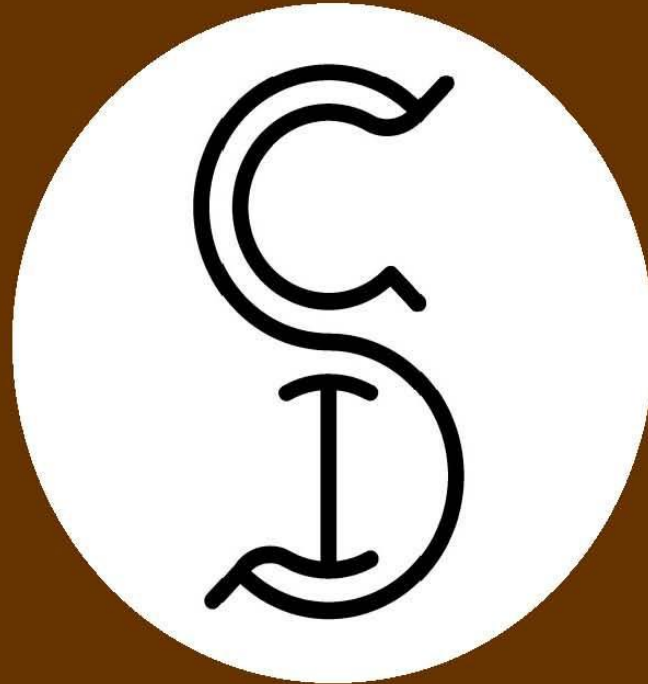
High Doctorate (Arch) – 2008,  
Doctor of Sciences (Arch) – 2004,  
Candidate of Sciences / eq. PhD(Arch) – 1990,  
Dipl.Arch. / eq. MArch – 1983,  
Dipl.Tech.Arch. / eq. BArch – 1977



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