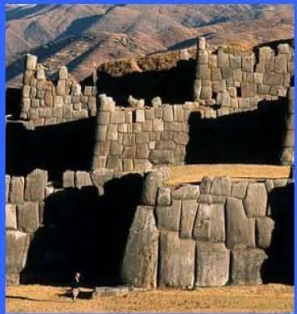


THE HISTORY OF ARCHITECTURE

FROM PREHISTORIC TO MODERN TIMES



**The thirteenth Album:
THE MEDIEVAL
CENTRAL AMERICAN
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-19th 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 19th century, examples have been grouped by decades.

Thirty albums illustrate the following topics:

- the 1st Album: EDUCATIONAL AND SCIENTIFIC-THEORETICAL SOURCES
- the 2nd Album: THE PREHISTORIC ERA'S ARCHITECTURE
- the 3rd Album: THE ANCIENT EGYPTIAN ARCHITECTURE
- the 4th Album: THE ANCIENT MESOPOTAMIAN ARCHITECTURE
- the 5th Album: THE ANCIENT GREEK ARCHITECTURE
- the 6th Album: THE ANCIENT ROMAN ARCHITECTURE
- the 7th Album: THE MEDIEVAL EUROPEAN ARCHITECTURE
- the 8th Album: THE EUROPEAN RENAISSANCE'S ARCHITECTURE
- the 9th Album: THE MEDIEVAL MAGHREB'S, THE NEAR EASTERN AND THE CAUCASUS'S ARCHITECTURE
- the 10th Album: THE MEDIEVAL CENTRAL ASIAN ARCHITECTURE
- the 11th Album: THE ANCIENT AND MEDIEVAL CHINESE ARCHITECTURE
- the 12th Album: THE MEDIEVAL SOUTHEASTERN AND EASTERN ASIAN ARCHITECTURE
- **the 13th Album: THE MEDIEVAL CENTRAL AMERICAN ARCHITECTURE**
- the 14th Album: THE EASTERN EUROPE MIDDLE AGES AND NEW TIMES ARCHITECTURE
- the 15th Album: THE WESTERN EUROPEAN AND THE NORTH AMERICAN NEW TIMES ARCHITECTURE

- the 16th Album: THE WORLD'S ARCHITECTURE OF THE 1870's
- the 17th Album: THE WORLD'S ARCHITECTURE OF THE 1880's
- the 18th Album: THE WORLD'S ARCHITECTURE OF THE 1890's
- the 19th Album: THE WORLD'S ARCHITECTURE OF THE 1900's
- the 20th Album: THE WORLD'S ARCHITECTURE OF THE 1910's
- the 21st Album: THE WORLD'S ARCHITECTURE OF THE 1920's
- the 22nd Album: THE WORLD'S ARCHITECTURE OF THE 1930's
- the 23rd Album: THE WORLD'S ARCHITECTURE OF THE 1940's
- the 24th Album: THE WORLD'S ARCHITECTURE OF THE 1950's
- the 25th Album: THE WORLD'S ARCHITECTURE OF THE 1960's
- the 26th Album: THE WORLD'S ARCHITECTURE OF THE 1970's
- the 27th Album: THE WORLD'S ARCHITECTURE OF THE 1980's
- the 28th Album: THE WORLD'S ARCHITECTURE OF THE 1990's
- the 29th Album: THE WORLD'S ARCHITECTURE OF THE 2000's
- the 30th 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 13th Album's front cover:

The Zapotec's town of Mitla, State of Oaxaca, Mexico, ~ 100 BC - <http://www.delange.org/Mitla/Mitla.jpg>

The Mayan Pyramid: the Sun - https://ae01.alicdn.com/kf/HTB1u5AwNVXXXXb_XFXXq6xXFXXxi/24x36-Central-America-Architecture-font-b-Maya-b-font-Culture-Stairs-Pyramid-Scenery-Landscape-Fabric-Silk.jpg

Inca sites at Cuzco Valley, Peru: the Saksaywaman (Arch.-Build.: Apu Val'pa Rimachi, Inka Mari-Kanchi, Akavana Inka, Kal'ya Kunchuy, 1471-1525) – http://images.nationalgeographic.com/wpf/media-live/photos/000/360/cache/sacsayhuaman-peru_36097_600x450.jpg

The Inca site of Machu Picchu, Andes above the river Urubamba, Peru, 1440-1532 – http://www.dulichtet.com/data/gallery/fullsize//2010-05-19machupicchu-114_7708.jpg

Purpose of the 13th Lecture:

To study the basic features of the Medieval Central American architecture.

Tasks of the 13th 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 Medieval Central American architecture
2. Analyze geometric parameters of main types of structures and buildings.

Questions for the self-preparation:

1. Accentuate the features of the Aztec architecture
2. Accentuate the features of the Inca architecture

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

1. The evolution of the Olmec Architecture
2. The evolution of the Zapotec's Architecture
3. The evolution of the Maya Architecture

Examples for the 13th Lecture:

13.1 The Ancient and Medieval Central America: the Map and the Periodisation

13.2 The Olmec Great Pyramid, La Venta, Tabasco, Mexico, 394 +/- 30 BC

13.3 Mesoamerican Ballcourts: at Xochicalco, at Cobá, at Chichen Itza; Cross-sections; a Terminology (5th century BC – 10th century AD)

13.4 The Monte Albán, the Zapotec's city on a hill, Central Oaxaca Valleys, Mexico, ~ 600 BC

13.5 The Zapotec's town of Mitla, State of Oaxaca, Mexico, ~ 100 BC

13.6 Mayan Pyramids (Mexico and Guatemala): the Magician; the Sun; the Temple of the Inscriptions; the El Castillo; the Tikal; the Tulum

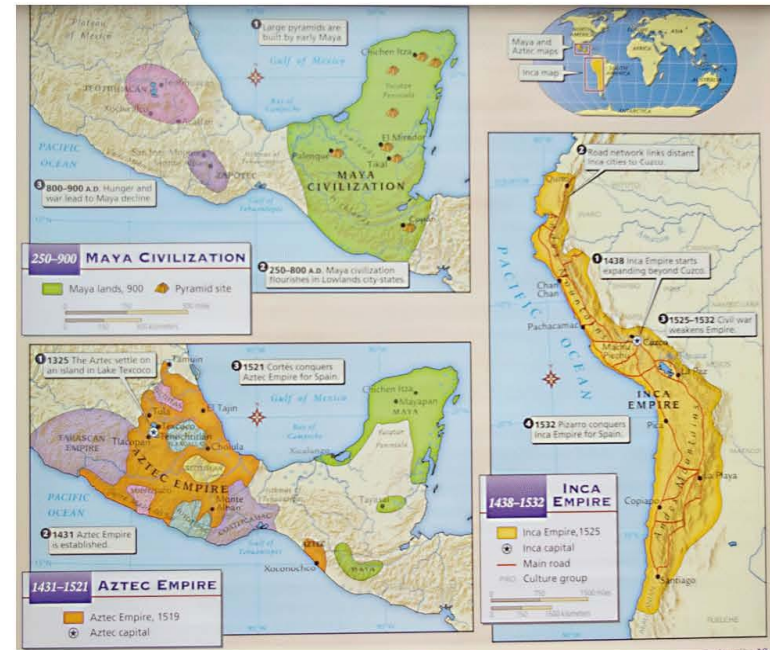
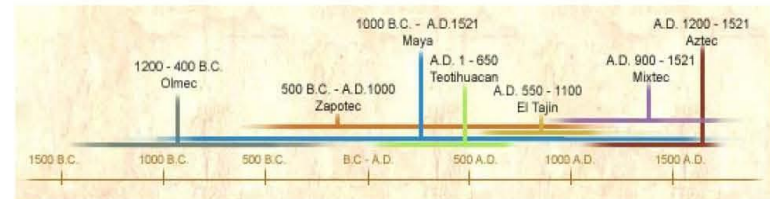
13.7 Mayan Pyramids (Mexico and Guatemala): the Edificio-14, the Temple of the Two-Headed Snake Tikal, the Cobá, the Yaxha, the Nohoch Mul, the La Danta

13.8 Maya ruins: the Gateway at Labna; the Ruta Puuc; the Uxmal; the Hochob; the Pyramid of the Niches

13.9 Inca sites at Cuzco Valley, Peru: the Saksaywaman (Arch.-Build.: Apu Val'pa Rimachi, Inka Mari-Kanchi, Akavana Inka, Kal'ya Kunchuy, 1471-1525); the Pikillacta (500-1200); the Tipon (early 15th century)

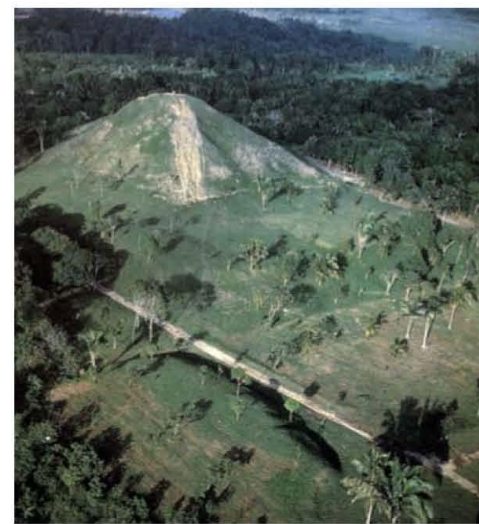
13.10 The Inca site of Machu Picchu, Andes above the river Urubamba, Peru, 1440-1532

13.1 The Ancient and Medieval Central America: the Map and the Periodisation



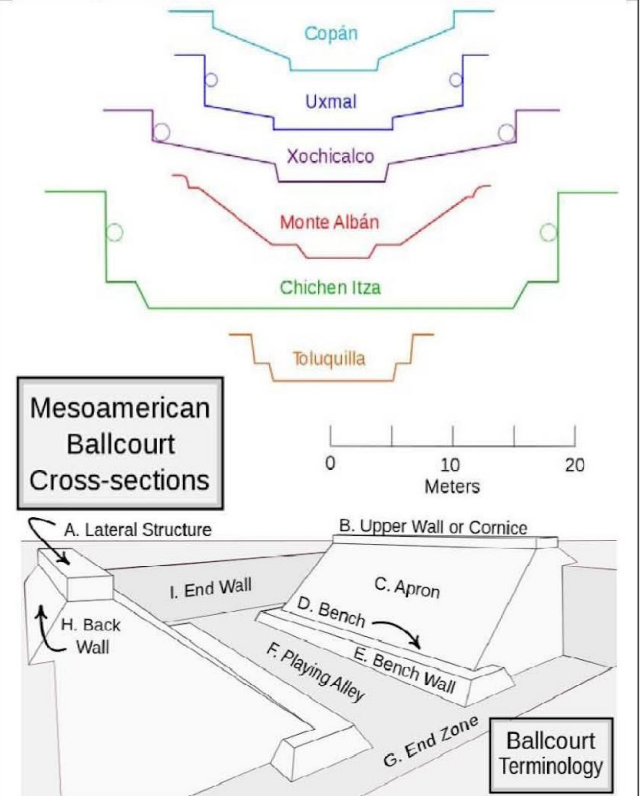
Sources: http://www.ducksters.com/history/aztec_maya_inca_map_lg.gif ; <https://gamedesigncksst.files.wordpress.com/2013/11/timeline.jpg> ; http://newellta.weebly.com/uploads/3/0/7/8/30789823/748299_orig.gif

13.2 The Olmec Great Pyramid, La Venta, Tabasco, Mexico, 394 +/- 30 BC



Sources: <http://www.quantumgaze.com/wp-content/uploads/2014/09/great-pyramid-la-venta.jpg> ; <https://photos.travelblog.org/Photos/135639/446806/f/4383116-La-Venta-Olmec-Ruins-0.jpg> ; https://classconnection.s3.amazonaws.com/712/flashcards/3003712/png/screen_shot_2014-02-07_at_32835_pm-1440E42EE97070C2385.png

13.3 Mesoamerican Ballcourts: at Xochicalco, at Cobá, at Chichen Itza; Cross-sections; a Terminology (5th century BC – 10th century AD)



Sources: https://upload.wikimedia.org/wikipedia/commons/e/e9/Xochicalco_ballcourt_2.jpg; https://upload.wikimedia.org/wikipedia/commons/thumb/1/13/Coba_Ballcourt-27527.jpg/1920px-Coba_Ballcourt-27527.jpg; <http://www.historyonthenet.com/sites/default/files/styles/adaptive/public/field/image/800px-GreatBallCourt-interior.jpg?itok=k7XSctUF>; <http://cdn.c.photoshelter.com/img-get2/10000PijhbLEYFK4/fit=1000x750/Mexico-Coba-Mayan-Ruins-Sacred-Ball-Game-Hoop.jpg>; https://upload.wikimedia.org/wikipedia/commons/thumb/0/00/Mesoamerican_Ballcourt_cross-sections_3.svg/1024px-Mesoamerican_Ballcourt_cross-sections_3.svg.png; https://upload.wikimedia.org/wikipedia/commons/thumb/6/63/Mesoamerican_Ballcourt_terminology_schema.svg/1774px-Mesoamerican_Ballcourt_terminology_schema.svg.png

13.4 The Monte Albán, the Zapotec's city on a hill, Central Oaxaca Valleys, Mexico, ~ 600 BC



Sources: https://4.bp.blogspot.com/_uXDMPKN0Bic/TIBNzaNciv/AAAAAAAAAFdw/gqNLQ_Dp6o4/s640/MA+So+Platform+from+VG.jpg ;
https://4.bp.blogspot.com/_uXDMPKN0Bic/TIA_46lWl8I/AAAAAAAAAFx4/3FSYzuEMVJg/s640/MA+bdg+H.jpg ;
https://2.bp.blogspot.com/_uXDMPKN0Bic/TIA_xPRfR8I/AAAAAAAAAFXw/YZpse1Hm80A/s640/MA+bdg+H+closeup.jpg ;
<https://classconnection.s3.amazonaws.com/263/flashcards/2032263/png/411351750432350.png> ;

13.5 The Zapotec's town of Mitla, State of Oaxaca, Mexico, ~ 100 BC



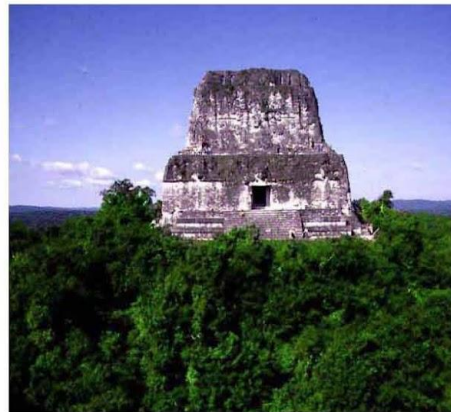
Sources: http://www.oaxacamb.org/wp/wp-content/uploads/ngalleries/mitla/mq_6066.jpg ; <https://images.robertharding.com/preview/RM/RH/HORIZONTAL/1242-40.jpg> ; <http://www.anotherthink.com/wp-content/uploads/2013/07/Temple-amid-the-ruins.jpg> ; <http://www.delange.org/Mitla/Mitla.jpg>

13.6 Mayan Pyramids (Mexico and Guatemala): the Magician; the Sun; the Temple of the Inscriptions; the El Castillo; the Tikal; the Tulum



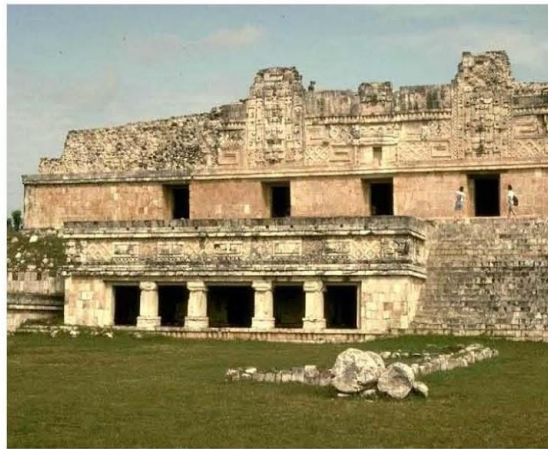
Sources: <http://www.ralphmag.org/HM/pyramid-uxmal1000x666.jpg> ; https://ae01.alicdn.com/kf/HTB1u5AwNVXXXb_XFXXq6xXFXXxi/24x36-Central-America-Architecture-font-b-Maya-b-font-Culture-Stairs-Pyramid-Scenery-Landscape-Fabric-Silk.jpg ; http://resources.touropia.com/qfx/b/2010/06/pyramid_of_the_sun-1.jpg ; <http://www.ancient.eu/uploads/images/display-3102.jpg> ; <http://www.maya.newmentor.net/palenque008b.jpg> ; <http://www.openminds.tv/wp-content/uploads/image-233.jpg>

13.7 Mayan Pyramids (Mexico and Guatemala): the Edificio-14, the Temple of the Two-Headed Snake Tikal, the Cobá, the Yaxha, the Nohoch Mul, the La Danta



Sources: http://1.bp.blogspot.com/-aLhbln_Y2II/USB7la5cCI/AAAAAAAAAFnU/3kZYDEKJjXk/s1600/reforma-double-pyramid-edificio-14.jpg ; <http://tropixtraveler.com/web/wp-content/uploads/2015/11/314-Guatemala-Yaxha-.jpg> ; http://www.english.illinois.edu/maps/poets/a_f/bronk/temple.jpg ; http://newmedia.thomson.co.uk/live/vol/0/beaf54281259e419e3de3e53ee0dcc862092c3d2/1080x608/web/CARIBBEANMEXICOMEXICOCON_MEXMEXICO-CARIBBEANCOASTMEXICORESORTSCOBAMAYANTRADITIONS.jpg ; <http://www.sandinmysuitcase.com/wp-content/uploads/2013/11/Coba-Gautier-Poupeau.jpg> ; http://aroundtheworldwithjustin.com/wp-content/uploads/2015/10/GOPR7632_01.jpg

13.8 Maya ruins: the Gateway at Labna; the Ruta Puuc; the Uxmal; the Hochob; the Pyramid of the Niches



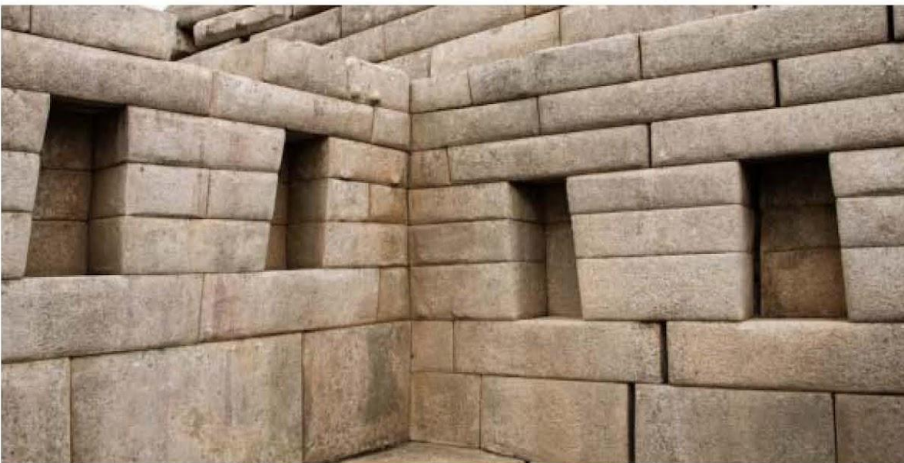
Sources: <http://mydigitalcarpet.com/mexico03/images/labna/lab0957m.jpg> ; <https://upload.wikimedia.org/wikipedia/commons/b/b8/Hochob.jpg> ;
<http://www.maya-aztec.com/wordpress/wp-content/uploads/2010/07/uxmal007.jpg> ;
https://resources.stuff.co.nz/content/dam/images/1/f/z/a/z/e/image.related.StuffLandscapeSixteenByNine_620x349_1fz6ev.png/1481250546240.jpg ;
<http://for91days.com/photos/Yucatan/Uxmal%20Maya%20Ruins%2020131208%20for91days.com.JPG> ; <http://bl.com.ua/wp-content/uploads/2014/07/taijin-720x481.jpg>

**13.9 Inca sites at Cuzco Valley, Peru:
the Saksaywaman (Arch.-Build.: Apu Val'pa Rimachi, Inka Mari-Kanchi, Akavana Inka,
Kal'ya Kunchuy, 1471-1525); the Pikillacta (500-1200); the Tipon (early 15th-century)**



Sources: http://images.nationalgeographic.com/wpf/media-live/photos/000/360/cache/sacsayhuaman-peru_36097_600x450.jpg ; http://4.bp.blogspot.com/_mInUvooot5c/Vb0ZaGFSZZI/AAAAAAAAAHFE/5wD6ADvA9NE/s1600/calle%2Brecta.JPG ; <http://www.machupicchuperutravels.com/images/pikillacta.jpg> ; <http://www.qerostours.com/images/images-qeros-tours/peru-tours/cusco-tours/south-valley/tipon-inca-complex.jpg>

13.10 The Inca site of Machu Picchu, Andes above the river Urubamba, Peru, 1440-1532



Sources: <https://www.ancient.eu/uploads/images/2331.jpg?v=1431031288> ; <https://richedwardsimagery.files.wordpress.com/2016/01/the-main-temple-at-machu-picchu-peru-exemplifies-the-incas-design-architectural-and-construction-skills-in-a-culture-without-writing.jpg?w=584> ; <http://media.dreamplango.com/resources/dpq/760x520/54d73dd5-d1b3-41ae-9326-7f58f5a757d2.jpg> ; http://www.dulichtet.com/data/gallery/fullsize//2010-05-19machupicchu-114_7708.jpg

Recommended educational and scientific-theoretical sources:

1. Mesoamerican ballcourt / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Mesoamerican_ballcourt
2. XOCHICALCO: BALL-COURTS (TEOTLACHTLI) / OCTOBER 13, 2014/ - URL: <http://uncoveredhistory.com/mexico/xochicalco/xochicalco-ballcourts/>
3. Jim & Carole's Mexico Adventure. - URL: <http://cookjmx.blogspot.com/2010/09/oaxaca-part-2-monte-alban-zapotec-city.html>
4. INKA ARCHITECTURE, Less is More--Much More!. - URL: <http://www.rutahsa.com/incaarch.html>
5. Inca architecture / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Inca_architecture
6. Saksaywaman / From Wikipedia, the free encyclopedia. - URL: <https://en.wikipedia.org/wiki/Saksaywaman>
7. Maya architecture / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/Maya_architecture
8. The Puuc Hills: Apex of Mayan Architecture / January 4, 2016, Maya Mexico Road Trips Travel, Richard Quinn. - URL: <http://www.rcquinn.com/?p=5195>
9. El Tajín / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/El_Tajín
10. List of Mesoamerican pyramids / From Wikipedia, the free encyclopedia. - URL: https://en.wikipedia.org/wiki/List_of_Mesoamerican_pyramids

Briefly about the Author



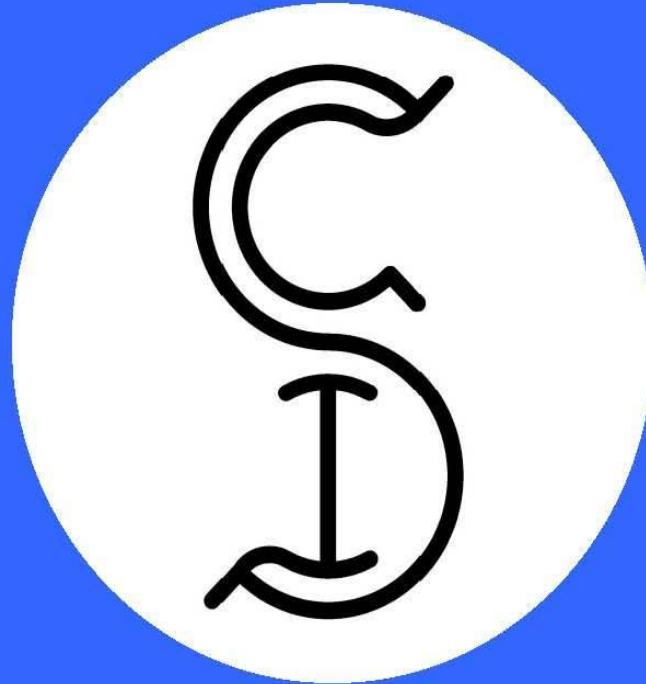
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– Almaty, 2017. – 18 p.