

ARTSCIENCE MUSEUM™ PRESENTS

# The Universe and Art

An artistic voyage through space

## SECTION 1: OUR VISION OF THE UNIVERSE



### Relic Stupa

3rd or 4th century  
India  
Soapstone  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



### Cellarius Christian Constellation

Andreas Cellarius  
1708  
Engraving  
Collection of Chiba City Folk Museum, Japan



### Jain Mandala

17th or 18th century  
Gujarat, India  
Painting on cloth  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



### Painting of Vishnu in the form of the Universe

18th or 19th century  
Andhra Pradesh, India  
Painting on cloth  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



### Painting of Vishnu creating the Universe

Late 17th to early 18th century  
Tamil Nadu, India  
Painting on cloth  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



### Book Cover with Five Dhyani Buddhas

15th century  
Tibet  
Lacquered wood  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Bowl with Creatures from the Burmese Horoscope**

1908  
Myanmar  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Monk's Bowl with Zodiac Animals**

19th century  
Cambodia  
Lacquer, mother of pearl  
Collection of the Asian Civilisation Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Yin and Yang Wooden Zodiac Plaques**

Liao Dynasty  
North China  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Strange Tales of Saigo Star**

Tatsugoro Nagashima (Yoshitora Utagawa)  
1877  
Woodcut print  
Collection of Chiba City Folk Museum, Japan



**Taketori Monogatari (The Tale of the Bamboo Cutter)**

17th century  
Handscroll  
Collection of Kokugakuin University Library, Japan



**Manuscript leaf from al-Qazwini's 'Aja'ib al-Makhlukat**

Ca 1570  
Deccan, India  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Manuscript on Astronomy and History**

1356/1357  
Yemen  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Astronomical Treatise on Lunar Movements**

1504  
Cairo, Egypt  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



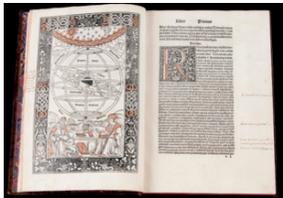
**Astronomical Treatise**

Nasir al-Din Tusi  
1313  
Iran  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



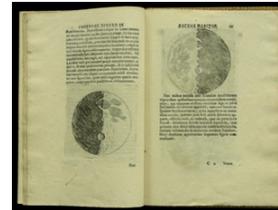
**De Revolutionibus Orbium Coelestium  
(Latin for "On the Revolutions of The Heavenly Spheres")**

Nicolaus Copernicus  
1543  
Book, First Edition  
Collection of Kanazawa Institute of Technology Library Center, Japan



**Epytoma in Almagestum Ptolemaei  
(Latin for "Epitome of Ptolemy's Almagest")**

Regiomontanus  
1496  
Book, First Edition  
Collection of Kanazawa Institute of Technology Library Center



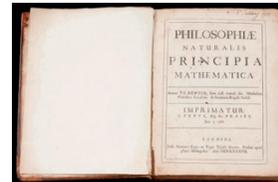
**Sidereus Nuncius  
(Latin for "Starry Messenger")**

Galileo Galilei  
1610  
Book, First Edition  
Collection of Kanazawa Institute of Technology Library Center, Japan



**Astronomia Nova  
(Latin for "The New Astronomy")**

Johannes Kepler  
1609  
Book, First Edition  
Collection of Kanazawa Institute of Technology Library Center, Japan



**Philosophiae Naturalis Principia Mathematica  
(Latin for "Mathematical Principles of Natural Philosophy")**

Isaac Newton  
1687  
Book, First Edition  
Collection of Kanazawa Institute of Technology Library Center, Japan



**Astronomical Chart**

Kitora Tumulus Stone Chart  
Replica, original 7th to 8th century  
Ceramic  
Collection of Otsuka Ohmi Ceramics Co. Ltd. Japan



**Chunyou Star Chart**

Wang Zhiyuan  
Carved in 1247  
Ink impression  
Collection of Chiba City Folk Museum, Japan  
Photo courtesy of Chiba City Folk Museum, Japan



### Star Chart

Harumi Shibukawa  
1677  
Print on paper  
Collection of Chiba City Folk Museum, Japan  
Photo courtesy of Chiba City Folk Museum, Japan



### Tenmon-seisho Star Chart

Harumi Shibukawa  
1699  
Print  
Collection of Chiba City Folk Museum, Japan



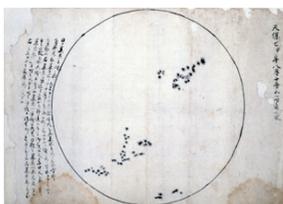
### Telescope

Galileo Galilei  
Replica, original 1610  
Wood, glass  
Collection of the Cosmo Planetarium Shibuya, Shibuya Cultural Center Owada, Japan



### Reflecting Telescope

Ikkansai Kunitomo  
Replica, original 1836  
Brass, iron  
Collection of Nagahama Castle Historical Museum, Japan



### Sunspot Observation Diagram

Ikkansai Kunitomo  
Facsimile, original 1836  
Sumi on paper  
31.8 x 44 cm  
Collection of Kunitomo Ikkansai Documents, Japan



### Moon Observation Diagram

Ikkansai Kunitomo  
Facsimile, original 1836  
Sumi on paper  
Collection of Kunitomo Ikkansai Documents, Japan



### Moon Observation Diagram

Ikkansai Kunitomo  
Facsimile, original 1836  
Sumi on paper  
42.8 x 30.7 cm  
Collection of Kunitomo Ikkansai Documents, Japan



### Watercolor Drawing of the Phases of the Moon from the autograph manuscript redaction of Sidereus nuncius ("Starry Messenger")

Galileo Galilei  
Facsimile, original 1610  
Ink and watercolor on paper  
25.3 x 17.6 cm  
Collection: Biblioteca Nazionale Centrale di Firenze  
Courtesy of Ministry of Cultural Heritage and Activities and Tourism, Italy



**Celestial Globe**

Deng Fusheng, Bei Yongcheng  
1770  
Copper  
Collection of Cosmo Planetarium Shibuya, Shibuya Cultural  
Center Owada, Japan  
Photo: Kioku Keizo



**Armillary Sphere**

Noriyuki Ono  
1837  
Bronze  
Collection of Cosmo Planetarium Shibuya, Shibuya  
Cultural Center Owada, Japan  
Photo: Kioku Keizo



**Astrolabe**

Abd al-A'immah  
Ca 1700CE  
Isfahan, Iran  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Qibla Compass**

First half of 19th century  
Turkey  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Qibla Compass**

1878-1879 CE  
Iran  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Quadrant**

19th century  
Iran  
Collection of the Asian Civilisations Museum, Singapore  
Copyright of the National Heritage Board, Singapore



**Celestial Planisphere**

Francesco Brunacci  
1687  
Engraving  
Collection of the Chiba City Folk Museum, Japan



**Studies into the Past**

Laurent Grasso  
Oil on wood panel  
Courtesy of Fondation d'entreprise Hermès, Edouard Malingue  
Gallery, Hong Kong  
Photo: Nacása & Partners Inc.  
Photo courtesy of Fondation d'entreprise Hermès, Edouard  
Malingue Gallery, Hong Kong  
©ADAGP, Paris 2017



**Studies into the Past**

Laurent Grasso  
Oil on wood panel  
Courtesy of Fondation d'entreprise Hermès, Edouard Malingue  
Gallery, Hong Kong  
Photo: Nacása & Partners Inc.  
Photo courtesy of Fondation d'entreprise Hermès, Edouard  
Malingue Gallery, Hong Kong  
©ADAGP, Paris 2017



**Studies into the Past**

Laurent Grasso  
Oil on wood panel  
Courtesy of Fondation d'entreprise Hermès, Edouard Malingue  
Gallery, Hong Kong  
Photo: Nacása & Partners Inc.  
Photo courtesy of Fondation d'entreprise Hermès, Edouard  
Malingue Gallery, Hong Kong  
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ARTSCIENCE MUSEUM™ PRESENTS

# The Universe and Art

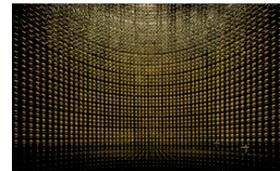
An artistic voyage through space

## SECTION 2: THE UNIVERSE AS SPACE-TIME



### Black Hole (M-Spheres)

Björn Dahlem  
2016  
Wood, steel, fluorescents, light bulbs, stain  
Courtesy: Guido W. Baudach Gallery, Berlin and Hiromi Yoshii  
Gallery, Tokyo  
Photo: Kioku Keizo  
Photo courtesy of Mori Art Museum, Tokyo



### Kamiokande

Andreas Gursky  
2007  
Print on PVC  
Collection of the artist  
Courtesy Sprüth Magers Berlin London  
© Andreas Gursky/ SACK, Seoul 2017  
Photo courtesy of Sprüth Magers Berlin London



### Ekpyrotic String II

Mariko Mori  
2014  
Fiberglass, paint  
Collection of the artist  
Courtesy: Sean Kelly, New York and SCAI THE BATHHOUSE, Tokyo  
Photo: Jason Wyche, New York  
Photo courtesy of Sean Kelly, New York and SCAI THE  
BATHHOUSE, Tokyo



### Slow Arc inside a Cube VIII

Conrad Shawcross  
2017  
Steel mesh, mechanical system, light  
Commissioned by ArtScience Museum, Singapore



### They Watch the Moon

Trevor Paglen  
2010  
C-print  
Courtesy of Metro Pictures, New York  
Photo courtesy of Metro Pictures, New York



### KEYHOLE 12-3 (IMPROVED CRYSTAL) Optical Reconnaissance Satellite near Scorpio (USA 129)

Trevor Paglen  
2007  
C-print  
Courtesy of Metro Pictures, New York  
Photo courtesy of Metro Pictures, New York



**PAN  
(Unknown, USA-207)**

Trevor Paglen  
2010–2011  
C-print  
Courtesy of Metro Pictures, New York  
Photo courtesy of Metro Pictures, New York



**Dead Military Satellite (DMSP 5D-F11)  
Near the Disk of the Moon**

Trevor Paglen  
2010  
C-print  
Courtesy of Metro Pictures, New York  
Photo courtesy of Metro Pictures, New York



**After Galileo (Jupiter and Moons)**

Trevor Paglen  
2008  
C-print  
Courtesy of Metro Pictures, New York  
Photo courtesy of Metro Pictures, New York



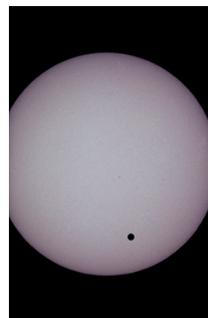
**Total Eclipse of the Sun**

Wolfgang Tillmans  
2006  
C-print  
Collection of Wako Works of Art  
Photo courtesy of Wako Works of Art, Tokyo



**Transit Of Venus**

Wolfgang Tillmans  
2012  
Inkjet print on paper  
Collection of Wako Works of Art, Tokyo  
Photo courtesy of Wako Works of Art, Tokyo



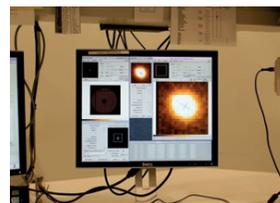
**Venus Transit**

Wolfgang Tillmans  
2004  
C-print  
Private collection  
Courtesy of Wako Works of Art, Tokyo



**Kilimanjaro**

Wolfgang Tillmans  
2012  
Inkjet print on paper  
Private collection  
Courtesy of Wako Works of Art, Tokyo



**Guide Star, ESO**

Wolfgang Tillmans  
2012  
Inkjet print on paper  
Collection of the artist  
Courtesy of Wako Works of Art, Tokyo



**Named and Unnamed Galaxies, ESO**

Wolfgang Tillmans  
2012  
Inkjet print on paper  
Collection of the artist  
Courtesy of Wako Works of Art, Tokyo



**In Flight Astro (ii)**

Wolfgang Tillmans  
2010  
Inkjet print on paper mounted on aluminium in artist's frame  
Private collection  
Courtesy of Wako Works of Art, Tokyo



**ESO Paranal**

Wolfgang Tillmans  
2012  
Inkjet print on paper  
Collection of the artist  
Courtesy of Wako Works of Art, Tokyo



**1610 II**

Laurent Grasso  
2014  
Neon, black transparent Altuglas  
Courtesy of Edouard Malingue Gallery, Hong Kong  
© ADAGP Paris, 2017



**Echoes**

Yukinori Maeda  
2011  
Video, 34 min [loop]  
Courtesy of Taka Ishii Gallery, Tokyo



**Sanmon GCC - Yupotanjyu + Nupotanje**

Kisho Mwkaiyama  
2005  
Wax, oil paint  
Collection of Mori Art Museum, Tokyo



**Untitled**

Jia Aili  
2015  
Oil on canvas  
Collection of the artist



**Untitled**

Jia Aili  
2008 - 2012  
Oil on canvas  
Collection of the artist

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SECTION 3: A NEW VIEW OF LIFE



## Utsuro-bune

Hollow Ship drifted to Kashima, Hitachi Province  
Facsimile, original 1844  
Woodcut print  
Collection of Funabashi Nishi Library, Japan



## Legend of Hollow Ship

Okitsugu Takizawa  
Edited by Hirokata Yahiro from Hirokata Zuihitsu ("Essays of Hirokata")  
Facsimile, original 1825  
Ink on paper  
Collection of National Archives of Japan



## The Strange Boat Drifted Ashore on Fief of Lord Ogasawara from Hyoryu-ki-shu (Archives of Castaways)

Manjudo  
Facsimile, original from 19th century  
Ink on paper  
Collection of Iwase Bunko Library, Nishio, Aichi, Japan



## Prêtre JÔMON

Laurent Grasso  
2015  
Wood  
Courtesy of Fondation d'entreprise Hermès, Edouard Malingue Gallery, Hong Kong  
Photo: Nacása & Partners Inc.  
Photo courtesy of Fondation d'entreprise Hermès, Edouard Malingue Gallery, Hong Kong  
©ADAGP, Paris 2017



## Ancient Aliens

Laurent Grasso  
2015  
Neon  
Courtesy of Fondation d'entreprise Hermès, Edouard Malingue Gallery, Hong Kong  
©ADAGP, Paris & JASPAR, Tokyo, 2016 G0472  
Photo: Nacása & Partners Inc.  
Photo courtesy of Fondation d'entreprise Hermès, Edouard Malingue Gallery, Hong Kong  
©ADAGP, Paris 2017



## 1803, Utsuro-bune (Hollow Ship) Unknown Object Found in Hitachi Province, Japan

Laurent Grasso  
Neontube, terracotta, oil on wood panel  
Courtesy of Fondation d'entreprise Hermès, Edouard Malingue Gallery, Hong Kong  
Photo: Nacása & Partners Inc.  
Photo courtesy of Fondation d'entreprise Hermès, Edouard Malingue Gallery, Hong Kong  
©ADAGP, Paris 2017



### "The Man from Mars"

Illustrated by Frank R. Paul  
*Fantastic Adventures*, May 1939  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### "As Mars Sees Us"

Illustrated by Frank R. Paul  
*Amazing Stories*, July 1940  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



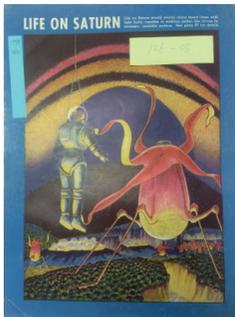
### "Life on Callisto"

Illustrated by Frank R. Paul  
*Amazing Stories*, August 1940  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### "Life on Mercury"

Illustrated by Frank R. Paul  
*Fantastic Adventures*, September 1939  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### "Life on Saturn"

Illustrated by Frank R. Paul  
*Fantastic Adventures*, November 1939  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### "Life on Jupiter"

Illustrated by Frank R. Paul  
*Fantastic Adventures*, January 1940  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### "Life on Pluto"

Illustrated by Frank R. Paul  
*Fantastic Adventures*, February 1940  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### "Life on Neptune"

Illustrated by Frank R. Paul  
*Fantastic Adventures*, September 1940  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



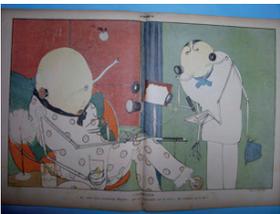
### "Life on Ganymede"

Illustrated by Frank R. Paul  
*Amazing Stories*, October 1940  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



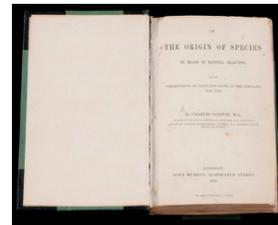
### The War of the Worlds

H. G. Wells  
Illustration by Frank R. Paul  
*Amazing Stories*, August 1927  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### An Interview with an Alien Professor Who Has a Good Knowledge about the Earth

La Baionnette  
Illustrated by Paul Iribe  
7 November 1918  
Magazine  
Collection by Hiroshi Aramata, Japan  
Image used with the acknowledgement of the Frank R. Paul Estate



### On the Origin of Species

Charles Robert Darwin  
1859  
Book, First Edition  
Collection of Kanazawa Institute of Technology Library Center, Japan



### De-extinction

Pierre Huyghe  
2014  
Video projection  
Duration: 12 min 35 sec (loop)  
Collection of Atom Suematsu  
Courtesy of Hauser and Wirth, London;  
Esther Shipper, Berlin; Taro Nasu, Tokyo; and Anna Lena Films, Paris  
©ADAGP Paris 2017



### Planet Σ

Momoko Seto  
2014  
Video  
Duration: 11 min 40 sec (loop)  
Collection of the artist



### Carboniferous Period

Hiroshi Sugimoto  
1992  
Gelatin silver print  
Courtesy of Gallery Koyanagi, Tokyo



### Robotic Jellyfish Drone (Cyanea Machina)

Vincent Fournier  
2013  
Collection of the artist



**The Rookie**

Patricia Piccinini  
2015

Fiberglass, silicone, hair  
Collection of the artist

Photo courtesy of Tolarno Galleries Melbourne, Roslyn Oxley9  
Gallery Sydney, Hosfelt Gallery San Francisco



**Sexy Robot**

Hajime Sorayama

FRP, iron, silver and gold plating with air brush paint, LED neon  
light

2016

Collection of the artist

Courtesy of NANZUKA, Tokyo

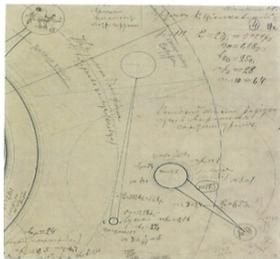
Photo: Shigeru Tanaka

Photo courtesy of Nanzuka, Tokyo

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# The Universe and Art

An artistic voyage through space



**Drawing from the manuscript *Fragment of Calculations and Drawings in Astronomy***

Konstantin Tsiolkovsky  
Facsimile, original 1878  
Ink on paper  
Collection of the Archive of the Russian Academy of Sciences  
(ARAS)



**Drawing from the manuscript *Rocket Series***

Konstantin Tsiolkovsky  
Facsimile, original 1897  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences  
(ARAS)



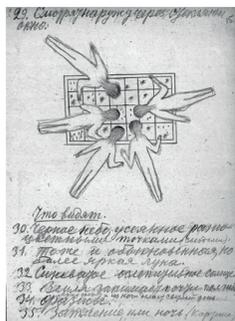
**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences  
(ARAS)



**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences  
(ARAS)



**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences  
(ARAS)



**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences  
(ARAS)



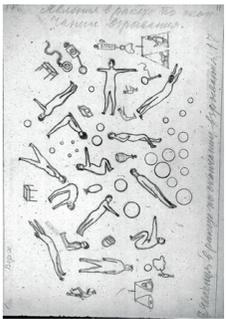
**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



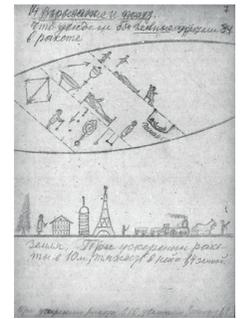
**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



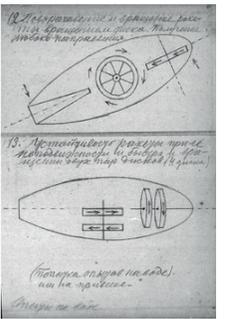
**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



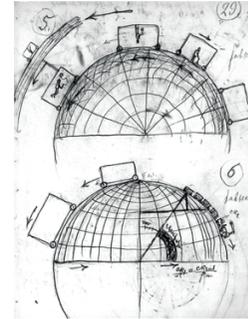
**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



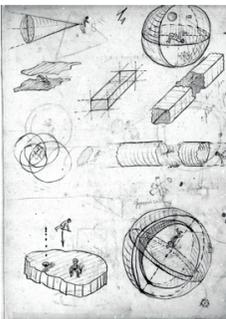
**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



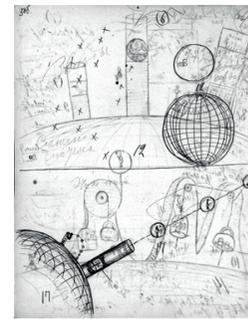
**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



**Drawing from the manuscript *Album of Cosmic Journeys***

Konstantin Tsiolkovsky  
Facsimile, original 1933  
Pencil on paper  
Collection of the Archive of the Russian Academy of Sciences (ARAS)



### The Golden Record

Launched by NASA Through Voyager 1 and 2  
1977

Print

Courtesy of NASA / JPL - Caltech



### Moon Museum

Andy Warhol, Claes Oldenburg, David Novros, Forrest Myers, Robert Rauschenberg, John Chamberlain

Print of the Wafer, original 1969

DIGITAL IMAGE © 2017,

The Museum of Modern Art/Scala, Florence



### Fallen Astronaut

Paul Van Hoeydonck

1:1 scale replica, original 1971

Autographed picture given to the artist by the crew of Apollo 15

Collection of Paul Van Hoeydonck



### Cosmonaut Alexander Polischuk with the Cosmic Dancer on the Mir Space Station

Arthur Woods

1993

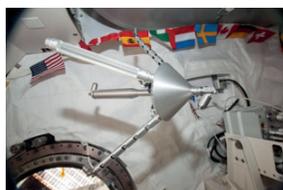
Video

Duration: 6 min 33 sec (loop)

Collection of the artist

Photo: Gennadi Manakov

Photo & video courtesy of Arthur Woods



### Spiral Top-II Aurora Oval

Takuro Osaka

2011

Video

Duration: 9 min 40 sec (loop)

(Main driving device: 5 x 22 cm, DVD: 9 min. 40 sec. sound)

Collection of the artist

Plan: Osaka Takuro / Execution: JAXA

(C) JAXA



### The Ars Ad Astra Exhibition on the Mir Space Station

Arthur Woods

1995

Video

Duration: 7 min 02 sec (loop)

Collection of the artist

Photo & video courtesy of the European Space Agency.



### Second Pilot Missions of ISS/KIBO Utilisation for Culture/ Humanities and Social Sciences

Japan Aerospace Exploration Agency (JAXA)

Video

Duration: 24 min 33 sec (loop)

Collection of Japan Aerospace Exploration Agency (JAXA)

(c) JAXA/NASA



### Lunar Habitation

Foster + Partners

2012

Video

Duration: 4 min 49 sec (loop)

Collection of Foster + Partners, United Kingdom



### **Mars Ice House**

SEArch / Clouds A0  
2015  
Video  
5 min. 57sec.  
Collection of the artist  
Photo: Clouds A0 / SEArch



### **The Crawler**

Tom Sachs  
2003  
Foamcore and hot glue, wood and metal frame  
Galerie Thaddaeus Ropac Paris/Salzburg  
Photo: Philippe Servent



### **Cosmic Chaos**

Jules de Balincourt  
Cosmic Chaos  
2015  
Oil on panel  
Courtesy of Galerie Thaddaeus Ropac Paris/Salzburg  
Photo: Philippe Servent  
Photo courtesy of Galerie Thaddaeus Ropac Paris/Salzburg



### **Space Investors**

Jules de Balincourt  
2015  
Oil on panel  
Courtesy of Galerie Thaddaeus Ropac Paris/Salzburg  
Photo: Philippe Servent  
Photo courtesy of Galerie Thaddaeus Ropac Paris/Salzburg



### **'moon' score: ISS Commander – Listening to it on Mars, now.**

Hitoshi Nomura  
2009 (photograph), 2013 (score), 2009–2013 (CD)  
Photograph, score, CD  
Collection of Mori Art Museum, Tokyo  
Courtesy of the JAXA Space Environment Utilization Center  
Photo: Toyonaga Seiji  
Photo courtesy of ARTCOURT Gallery



### **The Afronauts**

Cristina de Middel  
2012  
Photographs / Archive Documents  
Collection of the artist



### **A World Without Gravity**

Kitsou Dubois  
2012  
Screen Projection  
Duration: 17 min 42 sec (loop)  
Production: Ki productions  
Administration: La Magnagerie, France  
The company is funded by Ile-de-France Regional Council  
Photo: Loic Parent  
Copyright: Ki productions, France



### **Noordung Biomechanics**

Dragan Živadinov, Dunja Zupancic and Miha Tursic  
1999  
Screen Projection  
Duration: 7 min 18 sec (loop)  
Filmed by Michael Benson  
Copyright: Delak, Slovenia