

CULTURAL PROGRAMME AND SOCIAL EVENTS

Öffentliche Vorträge / Public Lectures

Dienstag, 31.8., 20.00 Uhr, Aula der James-Krüß-Grundschule (See page 72)

Archaische Kosmvisionen im Schamanismus

Archaic Cosmovisions in Shamanism

Vortrag in Deutsch

Dr. Michael A. Rappenglück

Secretary of SEAC / Geschäftsführer der vhs Gilching

Donnerstag, 2.9., 20.00 Uhr, Aula der James-Krüß-Grundschule (See page 73)

Heavenly Power in Worldly Hands: Ancient Sky Perceptions and Social Control

Himmelsmächte in weltlicher Hand: Die Wahrnehmung des Himmels in alter Zeit und die Frage sozialpolitischer Kontrolle

Vortrag in Englisch

Prof. emeritus Dr. Clive Ruggles, University of Leicester (UK)

Sonderöffnung der Volkssternwarte / Special Opening of the Observatory Ausstellung von Sonnenuhren / Exhibition of Sundials Tellurium

Volkssternwarte / Observatory

Die Volkssternwarte ist in der Zeit vom 30.8. bis 3.9.2010 ab 21.00 Uhr zu Besichtigung und Beobachtung geöffnet. Neben dem großen 20"-Newton-Teleskop sind auch weitere Instrumente aufgebaut. / The Observatory is opened from 30th of August to the 3rd of September, from 9 p.m.

Die gefahrlose Beobachtung der Sonnenoberfläche ist an den gleichen Tagen an zwei besonderen Teleskopen möglich von 10.00-12.00 Uhr und 15.00-16.00 Uhr. / There is a possibility to watch the Sun without any danger through two special telescopes from 10 a.m. to 12 a.m. and from 3 p.m. to 4 p.m. each day.

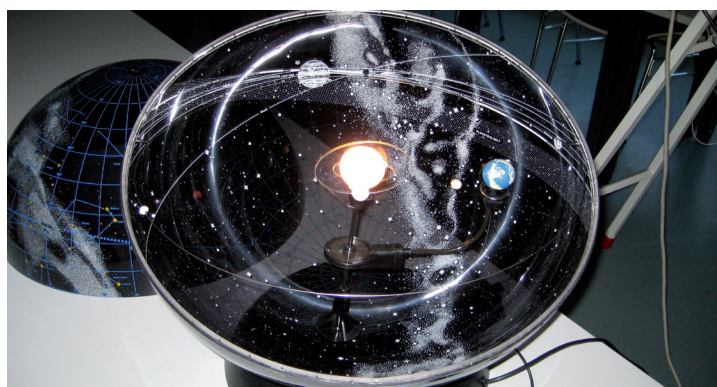


Ausstellung von Sonnenuhren / Exhibition of Sundials

Eine Ausstellung verschiedener Sonnenuhren gibt es am Donnerstag, 2.9., 14.00-18.00 Uhr. There is an exhibition of various sundials at Thursday, 2nd September, from 2 p.m. to 6 p.m.

Tellurium

Gezeigt wird auch ein Tellurium (Fa. Baader Planetarium, Mammendorf), mit dem die Bewegung des Mondes um die Erde, der Erde um die Sonne, Mond- und Sonnenfinsternisse und die Fixsternsphäre mit dem Tierkreis gezeigt wird. / You can also see a Tellurium (Baader Planetarium Company), showing the orbit of the Moon around the Earth, the movement of the Earth around the Sun, eclipses of Moon and Sun and the stellar sphere with the Zodiac.



CULTURAL PROGRAMME AND SOCIAL EVENTS

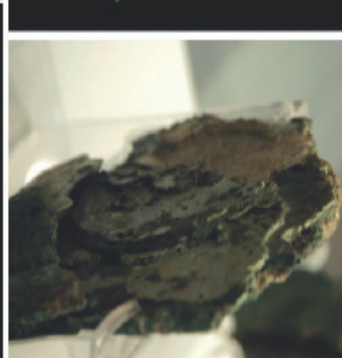
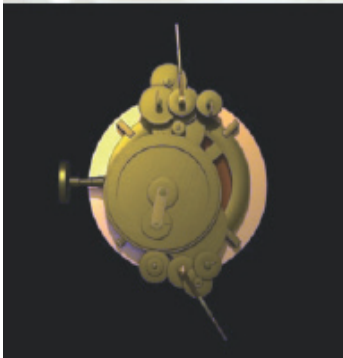
Ausstellung: Die Maschine von Antikythera - Das älteste Modell des Universums Exhibition: The Mechanism of Antikythera. The Oldest Model of the Universe

Please see the special leaflet written in English!



Von Montag, dem 30.8. bis zum Donnerstag, 3.9.2010, 9.00-20.00 Uhr zeigt die vhs Gilching in ihren Räumen eine Ausstellung der bislang ältesten Planetariumsmaschine und Uhr der Welt. Sie wurde vor ca. 2200 Jahren von einem Wissenschaftler und Ingenieur der Antike ersonnen und gebaut.

Sehen Sie eine funktionsfähige Nachbildung des faszinierenden Mechanismus. Erfahren Sie Details zur Funktionsweise mithilfe teilweise interaktiver Computeranimationen. 20 Informationstafeln vermitteln Ihnen Einblicke zur Technik der Maschine, die bereits Differentialgetriebe verwendete und zudem in die Welt der antiken Wissenschaft und Philosophie.



Die Ausstellung wurde gezeigt in New York (Children Museum of Manhattan), bei der UNESCO (Paris, zum Beginn des Internationalen Jahres der Astronomie, 2009), am Upsala Gustavianum Museum, in der (neuen) Bibliothek von Alexandria (Ägypten), am Institut für Astronomie der Slowakischen Akademie, am Olsztyn Planetarium (Copernicus Sternwarte in Polen), in der Krakauer Universität, in Budapest, an der griechischen Schule von Kairo, an der griechischen Schule von Alexandria (Ägypten), in Constantine (Algerien; 7eme salon' astronomie) und mehrmals in Griechenland (am Ionischen Zentrum, in der Universität von Athen, in der Universität von Patras, in verschiedenen Schulen).

Special Meetings

Monday, 30.08.10., 19.15-21.15:

Welcome reception, including a special Bavarian folklore performance

Group shot of SEAC 2010 participants; Performance of the **Guichinger Brauchtum** folklore group with typical Bavarian Dances

Wednesday, 01.09.10, after lunch:

HALF DAY EXKURSION - Visit of some famous and special places in Munich

Departure of train at 14:23, railway station Gilching-Argelsried, 5 Minutes to go from restaurant Plaka in the centre of Gilching.

Friday, 03.09.10, 19.30:

Closing Dinner

The closing dinner will take place in a Bavarian restaurant localized in the small village of Wörthsee on the riverside of the Lake Wörthsee. The music group Swingtet will provide background music.

Departure of local train from Gilching to Wörthsee at 18:56. From the railway station at Steinebach (Wörthsee) you have to go ca 10-15 minutes to the restaurant Augustiner at the Lake Wörthsee.

Saturday, 04.09.10:

Full-day excursion to Blaubeuren

See page 6

EXCURSION VALLEY OF ACH, BLAUBEUREN THE FAMOUS TOWN OF BLAUBEUREN



FULL-DAY EXCURSION TO BLAUBEUREN

- 07:30 Departure from Gilching, adult education centre (vhs), parking area
- 10:30 Arrival at the cave hohler fels; guided visit (Mr. Blumentritt [in German], Dr. Rappenglück [in English]); advance information Hohler Fels.
- 11:30 Travel to the town of blaubeuren; we will have a quick side trip either to the cave ruin of the Geissenklösterle or to the St.-Afra-Kapelle in Schelkingen, which has some beautiful frescos, dating from the 14th century.
- 12:30 We will have lunch at the Restaurant Adler, Blaubeuren.
- 14:00 Guided visits of the small but famous Museum of Prehistory, the big karstic spring Blautopf, the cloister with gothic high altar and some astronomical elements, the public bath of the monks, used in the middle ages; free time for walking through the town of blaubeuren, with its old half-timbered houses. the Museum of Earlier Prehistory presents some of the hitherto oldest mobile art, including a flute and the early example of a representation of a time-reckoning sequence together with an asterism, both dating from Aurignacian epoch (40.000/37.000-28.000 BP).
- 18:00 Dinner at the Cafe Kulisse.
- 20:00 Return to Gilching; arrival about 22:30.

The charge for the full day excursion is 70,- €.

The price includes the travel by bus, all visits and admissions, the lunch and the dinner.

Schedule of Scientific Sessions

Sunday, 29th August

ARRIVAL

18:00-20:00

Registration desk opened.

Monday, 30th August

8:30-9:30

Registration continuing.

9:30-10:10

WELCOME ADDRESS:

Fritz Wauthier (President of vhs Gilching),
Manfred Walter (First Mayor of Gilching),
Albert Luppert (Vice District Administrator),
Karin Sonnenholzner (Member of the Bavarian Landtag);

OPENING OF THE CONFERENCE:

Juan Belmonte Aviles (President of SEAC) and
Michael A. Rappenglück (Secretary of SEAC, Chair of SEAC 2010).

MORNING SESSION

NEOLITHIC CULTURES (CHAIR: JOHN MC KIM MALVILLE)

10:10-10:45

Invited lecture: **Michael Rappenglück**, *Keeper of Time and Guardians of Space – Some Basic Concepts of Astronomy and Power*

10:45-11:10

Juan Belmonte Aviles and A. César González García, *Astronomy, Landscape and Power in Eastern Anatolia*

11:10-11:40

Coffee Break

11:40-12:05

Elio Antonello, V.F. Polcaro, A.M. Tunzi, M. Lo Zupone, *A New Neolithic Sanctuary in Daunia*

12:05-12:30

Morgan Saletta, *The Functional Equinoxal Alignment of the Arles-Fontvieille Monuments: A Case Study of Ancient Astronomy and Monumental Architecture in Neolithic France*

12:30-12:55

Marco Bulloni, *Neolithic astronomical alignments below the Arctic Circle, on Great Solovetsky Russian island*

12:55-14.30

Lunch

AFTERNOON SESSION

MEGALITHIC CULTURES (CHAIR: MICHAEL RAPPENGLÜCK)

14:30-14:55

Fabio Silva, *Orientation of Neolithic Tombs in Central Portugal*

- 14:55-15:20 **Georg Zotti** and Wolfgang Neubauer, *Kreisgrabenanlagen: Expressions of Power Linked to the Sky*
- 15:20-15:45 **David Fisher**, *Re-structuring the World of Scottish Megalithic Sites and Animating Astronomical Phenomena Through 3D Computerization*
- 15:45-16:10 **Liz Henty**, *Recumbent Stone Circles: Theory Overview Based on Fieldwork Conducted at Three Sites.*

POSTERSESSION & COFFEE BREAK (CHAIR: STANISLAW IWANISZEWSKI)

- 16:10-17:10 **Marco Bulloni**, *Neolithic Astronomical Alignments in the Russian White Sea Region: Preliminary Results*
- Cecilia Paula Gómez**, *Power, Danger and Liminality: Moon, Stars and Women Among the Toba of Western Formosa (Gran Chaco, Argentina)*
- Manuela Incerti, F. Bonoli, and **V. F. Polcaro**, *Transient Astronomical Events as Inspiration Sources of Renaissance Art*
- Franz Kerek** and Florin Stanescu, *Precise astronomical measurements on the Pythagorean mega-triangle Retezat - Paring - Sarmizegetusa-Regia*
- Alejandro Martín López**, *A Topology of Power: Sky and Social-Space in the Argentinean Chaco*
- Iurii Leonidovich Mosenkis** and **Dmytro Pereverziev**, *The Phaistos Disk as a star compass*
- Vito Francesco Polcaro** and A. Martocchia, *A Social History of Medieval Astronomy*
- Sepp Rothwangl**, *Petroglyphs of Styrian monument Teufelstein, an archaeoastronomical manual?*
- Iharka-Magdalena Szücs-Csillik**, Comsa, A., and Maxim, Z., *Archaeoastronomical World from Romania*
- Doris Vickers**, *Ancient-Skies: Human Cultures and their Skies*
- Larisa Nikolaevna Vodolazhkaya**, *Archaeoastronomical Analysis of the Karataevo Fortress Sanctuary in Northern Black Sea Coast*

LATE AFTERNOON SESSION

POWER OF CALENDAR AND CLOCKS (CHAIR: STANISLAW IWANISZEWSKI)

- 17:10-17:35 **Sonja Draxler**, *Calendars as Symbols of Power*
- 17:35-18:00 **Gudrun Wolfschmidt**, *Astronomical Clocks – Representation of Power*
- 18:00-18:25 **Harald Gropp**, *Towards One Date? The Easter Date(s) in Past, Present, and Future*
- 19:15-21:15 **WELCOME RECEPTION, INCLUDING A SPECIAL BAVARIAN FOLKLORE PERFORMANCE**
*Group shot of SEAC 2010 participants; Performance of the **Guichinger Brauchtum** folklore group with typical Bavarian Dances*

Tuesday, 31th August

MORNING SESSION

CHALCOLITHIC / BRONZE AGE / IRON AGE CULTURES (CHAIR: DAVID PANKENIER)

- 09:00-09:35 Invited lecture: **Emilia Pasztor**, *Astronomy and Power: the Bronze Age Warriorship and the Sky*
- 09:35-10:00 **Vesselina Petrova Koleva**, *Lunar Symbolism in Some Prehistoric Artifacts from Europe*
- 10:00-10:25 **Marianna Ridderstad**, *Significance of Astronomy in Ancient Finland*
- 10:25-10:50 **Manuel Pérez-Gutiérrez**, David Bea Castaño, Jordi Diloli Fons, and Samuel Sardà Seuma, *Astronomy and the Power: The Singular Building of Turó del Calvari (Vilalba dels Arcs, Tarragona)*

10:50-11:20

Coffee Break

- 11:20-11:45 **Ioannis Liritzis, Flora Vafea**, Mosalam Shaltout, and Gerasimos Artelaris, *The Astronomical Orientation of Nawamis at Gebel Gunna and Ain Khodra, Southern Sinai: A reappraisal*
- 11:45-12:10 **Fernando Pimenta**, Nuno Ribeiro, Andrew Smith, and Luis Tirapicos, *Rock Art between Rivers Alva and Ceira. Orientation in the Landscape*
- 12:10-12:35 **Göran Henriksson**, *Total Solar Eclipses Close to the Pleiades on the Nebra Disc and Swedish Rock-Carvings*

12:35-14:30

Lunch

AFTERNOON SESSION

EGYPT, MINOAN CULTURE (CHAIR: JUAN BELMONTE AVILES)

- 14:30-14:55 **Rolf Krauss**, *Stellar and Solar Components in Ancient Egyptian Ideology and Astronomy*
- 14:55-15:20 **Peter Chapman-Rietschi**, *Pharaonic Power and the Heavens*
- 15:20-15:45 Göran Henriksson and **Mary Blomberg**, *The Political Elite at Knossos as Custodians of the Calendar*

15:45-16:15

Coffee Break

- 16:15-16:40 **Nataliya Dmitrieva**, *The Prince P.A. Putyatin is the Forerunner of Russian Archaeoastronomy*
- 16:40-17:40 Round Table Discussion (Chair: Stanislaw Iwaniszewski and Emilia Pasztor)

PUBLIC LECTURE

20.00-21.15

Michael A. Rappenglück, *Archaische Kosmvisionen im Schamanismus (Archaic Cosmvisions in Shamanism)*

Wednesday, 1st September

MORNING SESSION

09:00-09:35

CULTURES IN EUROPE, ASIA, OCEANIA AND AFRICA (CHAIR: IVAN SPRAC)

Invited lecture **David Pankenier**, *Astrology for an Empire: Sima Qian's 'Treatise on the Celestial Offices' (ca. 100 BCE)*

09:35-10:00

Williams Bruce Masse, *The Celestial Engine at the Heart of Traditional Hawaiian Culture*

10:00-10:25

Jarita C. Holbrook, *Cosmic Power: Themes of Astronomy and Power within the Film "Cosmic Africa"*

10:25-10:50

Barth Chukwuezi, *The Concept of Power and Cosmology Manipulation of Cosmology by Spiritualist or Native Doctors (dibia): A Case Study of the Igbo Society of Nigeria.*

10:50-11:20

Coffee Break

11:20-11:45

Mare Kõiva and Andres Kuperjanow, *Some aspects of European Moon Mythology*

11:45-12:10

Michael A. Rappenglück, *Astral High-Fashion Clothing and Accessories*

12:10-12:35

Max E. Lippitsch and Sonja Draxler, *Stars of Power – Astronomical Objects on Ancient Princely Insignia*

12:35-14:00

Lunch

HALF DAY EXCURSION

VISIT OF SOME FAMOUS AND SPECIAL PLACES IN MUNICH.

Departure of train at 14:23, railway station Gilching-Argelsried, 5 Minutes to go from resaurant Plaka in the centre of Gilching.

Thursday, 2nd September

MORNING SESSION

CULTURES OF NORTH AMERICA, MESOAMERICA AND SOUTH AMERICA (CHAIR: ROSLYN M. FRANK)

- 09:00-09:35 Invited Lecture **Ivan Sprajc**, *Astronomy and Power in Mesoamerica*
- 09:35-10:00 **Richard R. Zito**, *Possible Mesoamerican Naked-Eye Observation of Sun Spots – I: Evidence from the Tikal Ball Court Marker*
- 10:00-10:25 **Jesús Galindo Trejo**, *Calendric-Astronomical Orientation as an Expression of Power in Mesoamerica*
- 10:25-10:50 **Richard R. Zito**, *Possible Mesoamerican Naked-Eye Observation of Sun Spots – II: Evidence from the Codices*

10:50-11:20

Coffee Break

11:20-11:55

Invited Lecture **Kim Malville**, *The Chaco Enigma: Coercion or Cooperation*

11:55-13:45

Lunch

AFTERNOON SESSION

ANTIQUITY (CHAIR: MARY BLOMBERG)

- 13:45-14:20 Invited Lecture **Xenophon Moussas**, *The Antikythera Mechanism, an Advanced Astronomical Device and the First Planetarium?*
- 14:20-14:45 **Heidi Tauber**, *Astronomy in Ancient World: The Influence of the Stars on the Live of People Represented in Greek and Roman Poetry and Mithraism*
- 14:45-15:10 **Doris Vickers**, *Ovid Plays with Power or Power Plays with Ovid?*

15:10-15:40

Coffee Break

15:40-16:05

Marcello Ranieri and **Marzia Monaco**, *Among the Circles: A Geometrical Analysis of the Teatro Marittimo in Villa Adriana*

16:05-16:30

Xenophon Moussas, *Early Greek Astrophysics and the Dawn of Science and Civilization*

16:30-17:05

Invited Lecture **Stanislaw Iwaniszewski**, *The Social Life of Celestial Bodies: The Sky in Cultural Perspective*

PUBLIC LECTURE

20:00-20.15

Clive Ruggles, *Heavenly Power in Worldly Hands: Ancient Sky Perceptions and Social Control*

(Himmelsmächte in weltlicher Hand: Die Wahrnehmung des Himmels in alter Zeit und die Frage sozialer Kontrolle)

Friday, 3rd September

MORNING SESSION

MEDIEVAL TIME IN ORIENT AND OCCIDENT (CHAIR: GUDRUN WOLFSCHMIDT)

09:00-09:35

Invited Lecture **Nick Campion**, *Astronomy and the State: Time, Space, Power and the Foundation of Baghdad*

09:35-10:00

William Ben Adams, *From Rain Stars to Lunar Stations: the Restructuring of Early Islamic Cosmology in Qur'anic Commentaries*

10:00-10:25

Seyyed Mohammad Mozaffari, *Astronomy and Politics: Evidence for Some Old Observations in the Persian Sources*

10:25-10:50

Petra G. Schmidl, *The Dustūr al-munajjimīn or Does a Sovereign Need Astronomy to Structure His Reign?*

10:50-11:20

Coffee Break

11:20-11:45

A. César González García, Juan Antonio Belmonte and Lourdes Costa Ferrer, *The orientation of pre-Romanesque churches in Spain: A Case of Power Reaffirmation*

11:45-12:10

Zalkida Hadzibegovic, *Astronomical Heritage in Bosnia and Herzegovina: Late Medieval Tombstones and Astral Motifs as Their Decoration*

12:10-14:00

Lunch

ASTRONOMY AND POLITICS IN THE MODERN AGE (CHAIR: GUDRUN WOLFSCHMIDT)

14:00-14:25

Magda Stavinsch and **Cătălin Mosoia**, *Astronomy and Politicians*

14:25-14:50

Barbara Rappenglück, *Comets in Political Caricatures 1790-2009*

14:50-15:00

CLOSING OF THE CONFERENCE

15:00-17.00

18TH GENERAL ASSEMBLY OF SEAC

CLOSING DINNER

19:30

The closing dinner will take place in a Bavarian restaurant localized in the small village of Wörthsee on the riverside of the Lake Wörthsee. The music group Swingtet will provide background music.

Departure of local train from Gilching to Wörthsee at 18:56. From the railway station at Steinebach (Wörthsee) you have to go ca 10-15 minutes to the restaurant Augustiner at the Lake Wörthsee.

SATURDAY, 4TH SEPTEMBER

FULL-DAY EXCURSION TO BLAUBEUREN