

On occasion of the total eclipse on August 11, 1999,
the **Carl-Zeiss-Planetarium Stuttgart** and the **Schwäbische Sternwarte e.V.**
on behalf of the
International Occultation Timing Association - European Section (IOTA-ES)
invite for the

ESOP XVIII

18th European Symposium on Occultation Projects

August 5 - 11, 1999,

in Stuttgart, Germany.



This symposium is a forum for all amateur and professional astronomers interested in occultations and eclipses by celestial bodies of our solar system. The official languages will be English and German.

The symposium is organized in Stuttgart, a city with about 560,000 inhabitants and a surrounding of more than two million people. Stuttgart is located in south-west Germany. It is the capital of the state of Baden-Württemberg.

This event consists of two parts:

- **Thursday, August 5, to Sunday, August 8, 1999:** Symposium with (invited) papers and discussions. Optional social programme for all registered accompanying guests.
- **Sunday, August 8, to Wednesday, August 11, 1999:** Excursions, sight-seeing tours, observation of the total eclipse and final meeting.

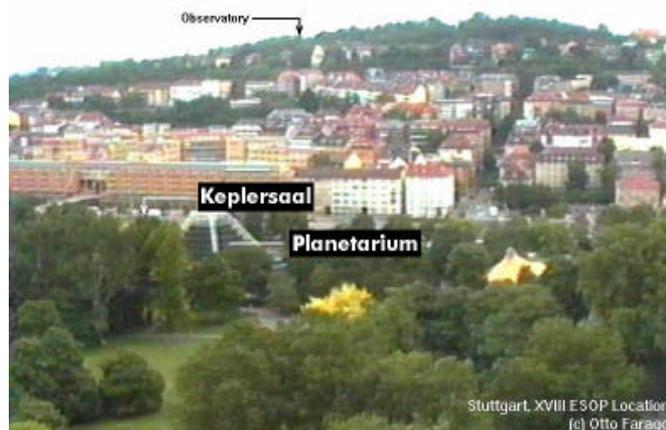
The presentations of the symposium take place in the Kepler hall of the

Carl-Zeiss-Planetarium
Mittlerer Schloßgarten
Willy-Brandt-Str. 25
70173 Stuttgart, Germany

The Carl-Zeiss-Planetarium lies within a five minutes' walk from Stuttgart's main station.

Several events, as e.g. the barbecues, will be held at the Stuttgart (public) Observatory.

The Observatory lies about 100 m higher than the City's centre. Tramway and bus connections exist and walking takes about 20 minutes from the Planetarium.



Symposium Programme

Thursday, August 5, 1999

14:00 - 18:00 Registration desk is opened in the Planetarium Stuttgart, foyer of the Kepler hall.

For earlier registration contact the secretary of the Planetarium.

19:00 Welcome barbecue; balcony, Public Observatory Stuttgart, Uhlandshöhe.

Friday, August 6, 1999

9:30 - 11:30 Symposium: welcome and opening papers; Planetarium, Kepler hall

12:00 Mayor's reception; City of Stuttgart, Town Hall

14:00 - 18:00 Symposium: papers ; Planetarium, Kepler hall

19:00 Visit of the Television Tower Stuttgart, tour of technical departments

20:00 Small supper in Laki's popular restaurant

Saturday, August 7, 1999

9:30 - 12:00 Symposium: papers; Planetarium, Kepler hall

12:00 Group photo

12:10 - 13:30 Short lunch; Planetarium

13:30 - 17:00 Symposium: Papers; Planetarium, Kepler hall

17:00 Bus transfer from Planetarium to Weil der Stadt (30 km from Stuttgart, *Johannes Kepler), visit of the Kepler museum and of the mediaeval town centre and town wall

19:30 Symposium dinner; Weil der Stadt, Hotel Krone Post

23:00 Bus transfer to the hotel, Stuttgart-Vaihingen

23:30 Arrival in Stuttgart; Planetarium

Sunday, August 8, 1999

9:30 - 12:00 Symposium: papers; Planetarium, Kepler hall

12:00 - 13:30 Short lunch; Planetarium

End of the Symposium. All participants of the symposium may travel in time to another eclipse observation area or to the ESO-meeting in Garching near Munich.

Symposium - Social Programme („Ladies Program“)

Accompanying the symposium on Friday, Saturday and Sunday, the following sight-seeing events are offered to all registered accompanying guests:

- Guided walk through Stuttgart's city, shopping and sight-seeing tour
- Guided visits to the art galleries "Staatsgalerie" and "Galerie der Stadt Stuttgart", organized by Leni Marx
- Visit of Europe's largest baroque palace in Ludwigsburg, with horticultural show "Blühendes Barock", porcelain manufacture and palace tour, organized by Astrid Teuscher-Faragó

The final, detailed social programme will be published later.

Excursions and Solar Eclipse Programme

Sunday, August 8, 1999

12:00 - 13:30 Short lunch; Planetarium

14:00 Bus transfer from the Planetarium to the Gottlieb-Daimler Memorial in Bad Cannstatt, the Mercedes-Benz Museum in Untertürkheim, including a coffee break, Welzheim, possibly a short stop at the Limes, the frontier wall of the roman empire, Europe's most extensive edifice, visit to the Observatory Welzheim, and finally a social meeting in the restaurant "Sonne" in Eselshalden. Welzheim is located about 50 km east of Stuttgart.

23:00 Return to Stuttgart; Planetarium

Monday, August 9, 1999

8:00 Bus departure from Planetarium to Nördlingen, 120 km to the east. Two meteor craters will be visited: Nördlinger Ries (25 km diameter) and Steinheimer Becken (3 km diameter, with a central hill).

10:00 + 10:30 Guided tours through the Ries Crater Museum Nördlingen and Nördlingen's mediaeval town centre and town wall.

12:00 Transfer to Carl Zeiss Co. in Oberkochen

13:00 Lunch in the canteen of Carl Zeiss. Following to the lunch, the factory buildings of Carl Zeiss Co. will be visited. Return trip via Steinheim. About two hours stay for a visit to the Steinheim impact crater and for climbing its central hill.

21:00 Return to Stuttgart planned.

Tuesday, August 10, 1999

8:30 Bus departure in Stuttgart, and

9:00 bus departure from the hotel to Sindelfingen, 25 km west of Stuttgart

9:30 - 12:00 Visit to the manufacturing plant of Mercedes Benz in Sindelfingen

12:00 Lunch

In the afternoon there is spare time for the preparation of the eclipse observations, the trial and set up of instruments, or for a visit to the observation sites at the northern and southern limits of the eclipse zone.

Hint: For observers intending to use observation sites in the limit zones, hotel rooms located in both zones were reserved in order to avoid critical last minute transfers.

Wednesday, August 11, 1999

Placing of observers and observation of eclipse

11:13 First contact

12:34 Mid of totality

13:57 Last contact

16:00 - 18:00 Presentation and discussion of first results; Planetarium, Kepler hall

Open to the public in order to present IOTA activities

19:00 Good-bye barbecue; balcony, Observatory Stuttgart, Uhlandshöhe

Deadline for ESOP XVIII Registration

The **deadline is June 15, 1999** for receipt of registration forms including accomodation details by the ESOP organizers at the following address:

Schwäbische Sternwarte e.V.
Organisation ESOP-99
Seestrasse 59/A
D 70174 Stuttgart, Germany

Registrations will be valid only after having received all prepayments (50% of fees and costs) by the deadline of June 15, 1999, on the account

Schwäbische Sternwarte e.V.
SPARDA-Bank Stuttgart
bank account 110701893
bank-code-number 600 908 00

All charges for money transfer (e.g. for credit cards 4%) have to be born by the originators of the payment. In spite of the deadline all participants are encouraged to register as early as possible for the different ESOP XVIII programmes and for their accomodation.

Symposium and Related Fees

ESOP XVIII Symposium Fee DM 100,-

The ESOP Symposium Fee includes

- symposium information folder
- welcome barbecue at the Stuttgart Observatory, on Thursday, August 5
- refreshments and coffee breaks during symposium in the Planetarium
- mayor's reception; City of Stuttgart, Town Hall
- visit to the Television Tower, Stuttgart, on Friday, August 6, including walk through its technical departments
- small supper and one beverage in Laki's popular restaurant on Friday, August 6
- short lunch in the Planetarium, Saturday and Sunday, August 7, 8,
- three day ticket for all public means of transport in Stuttgart

ESOP XVIII One-Day Fee DM 40,-

For short term visitors

ESOP XVIII Symposium Dinner DM 50,-

The Dinner Fee includes the bus transfer to and from Weil der Stadt and visits there and symposium dinner at the Hotel Krone Post, Weil der Stadt, Saturday, August 7

Menu:

- honey melon with Black Forest ham
- salads of the season
- fillet of beef and pork with sauce of mixed mushrooms, with special noodles or fried potatoes
- fresh fruit-salad
- one free beverage

Alternatively an equivalent vegetarian meal may be booked.

ESOP XVIII Social Programme ("Ladies Programme")DM 60,-

The ESOP XVIII Social Programme Fee includes

- touristic information folder
- welcome barbecue at the Stuttgart Observatory, on Thursday, August 5
- guided walk and sight-seeing tour through Stuttgart
- mayor's reception, City of Stuttgart, Town Hall
- visit to the Television Tower, Stuttgart, on Friday, August 6, including visit to its technical departments
- small supper and one beverage in Laki's popular restaurant on Friday, August 6
- entrance fee and tour through "Blühendes Barock" in Ludwigsburg
- guided visits to the art galleries "Staatsgalerie" and "Galerie der Stadt Stuttgart"
- short lunch in the Planetarium, Sunday, August 8
- three day ticket for all public means of transport in the Stuttgart area

Excursion and Eclipse Programme DM 90,-

The Excursion and Eclipse Programme Fee includes

- short lunch in the Planetarium, Sunday, August 8
- all bus transfers from Sunday to Tuesday, August 8 to 10
- all fees for entrance to museums and guided tours from Sunday to Wednesday, August 8, to 11
- lunch in the canteen of Carl-Zeiss Co., Monday, August 9
- organization and support of the eclipse observation sites at the northern and southern limit zones
- support of eclipse observations in the "Scientific Area" around the Observatory Stuttgart, Uhlandshöhe
- good-bye barbecue; balcony, Observatory Stuttgart, Uhlandshöhe, August 11

Accommodation

The participants of the ESOP XVIII and its related programmes are accommodated in two separated quarters:

A middle class hotel at the periphery of Stuttgart, about 7 km west of the city. Travel time using the S-Bahn 11 minutes from the main station. Small, but pleasant single and double rooms, all with shower, toilet, phone and television set. Double rooms are furnished with a french bed (about 160 cm x 200 cm). The hotel has a restaurant, bistro, VIP-lounge, sauna, bowling-alley, letting out for bicycles plus a free garage.

Price of one night including breakfast per person:
double room DM 55.- single room DM 95.-



Guest house, about 2 km away from the city. Travel time with the tram about 10 minutes from the main station. Distance to the Observatory around 1 km. The house is situated magnificently about 100 m above the southern down town along the hill side. Mostly double bed rooms with separated beds. Most showers and toilets are in the vestibule. On the other hand these rooms are very favourably priced.

Price of one night including breakfast per person:
double room DM 35.- single room DM 50.-



For the **accommodation** of observers intending to observe the eclipse inside its limit zones, hotel rooms for the night from August 10 to 11, 1999, were reserved directly **inside the limit areas** near the observation sites.

Prices for one night including breakfast per person:
double room DM 50.- single room DM 70.-

Exchange Rates, May 6, 1999

DM	Euro	US \$
1,00	= 0,51	= 0,55
1,96	= 1,00	= 1,08
1,81	= 0,93	= 1,00

Grants

Grants for accommodation, travels and for symposium fees may be given for worthy individuals, actively participating in the symposium by lecture, presentation or poster. Detailed reasons should to be given. Interested persons should send their application forms accompanied by abstracts of their contributions as soon as possible, **at the latest by June 15, 1999.**

Sponsoring Information

This symposium is financially generously supported by the City of Stuttgart, capital of Baden-Württemberg. Without its sponsoring this symposium could not have been organized as published. The organizers want to express their special gratitude for this essential support.

Proceedings and Call for Papers

Printed papers shall be published in time for the symposium. All authors are asked to send them as soon as possible, but **at the latest for receipt June 15, 1999**, their paper submission forms including a summary of their paper or contribution in English or German and including the most important drawings and graphics. Files will be accepted in ASCII or Word format on discs at the following address:

Schwäbische Sternwarte e.V.
Organisation ESOP-99
Seestrasse 59/A
D-70174 Stuttgart, Germany

or by email to: esop-99@sternwarte.de

Additional Informations

Final information regarding the symposium programme, travel information to Stuttgart, the list of participants and other important information will be sent to all registered participants by mail. To enable participants to use public transport without delay from hotel, main station or airport, the three day public transport tickets will be part of this information letter.

If you have access to the internet, you will find the latest informations at the ESOP XVIII homepage with the URL <http://www.sternwarte.de/esop-99/>

Welcome

We wish you all a good journey to Stuttgart, a pleasant stay, an interesting symposium, and finally a successful observation of the total solar eclipse.

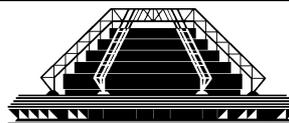
Otto Farago + Harald Marx
Swabian Observatory Stuttgart

Prof. Dr. H.-U. Keller
Carl-Zeiss-Planetarium Stuttgart with Observatory Welzheim

Organisation ESOP-99:



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