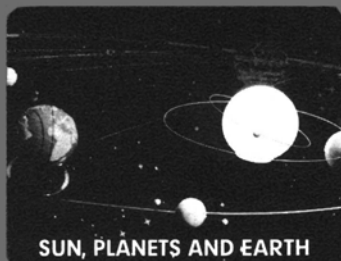


YOU CAN SEE ...



BAADER PLANETARIUM

The Space Demonstrator

- an orrery
- within a star globe
- with star projection

Facilities unlimited – from simple observations like day and night, year, world-time, length of days, seasons, lunar and solar eclipses – up to spherical star projection. This **MINIATURE MODEL OF OUR SOLAR SYSTEM** provides a multitude of approaches to really understand the mechanics of the heavens and its laws.

Through the unique combination of an electrically driven orrery and a semi-opaque star globe, a 3-dimensional effect is achieved which can never be observed on a normal planetarium alone. This synthesis of the heliocentric reality (orrery) and our geocentric point of view (star globe) is the secret which guides also the complete layman to an almost instant understanding of, the irritating movements to be observed on the night sky.

You show how the Earth simply “moves along the sky” during one year. You demonstrate the difference between sidereal and solar day simply by “counting out”. You project the night sky correct for any season, any night, any hour for a given position on Earth.

NEW projection lens option: you project the image of the Sun onto the ecliptic, opposite to the position of the Earth - as observed geocentrically.

THE EARTH'S MOVEMENT

ROUND
THE SUN



baader
planetarium

May be you happened to see already the famous and only picture of Earth and Moon together “hanging in space”, which was taken by VOYAGER I on its journey to the outer planets. No image like this was existing in 1965 when the BAADER PLANETARIUM was first built, but exactly this vision lay in the mind of it’s designer. Today it is with you to compare how closely these two images match, the one taken from space and the one you actually see moving while viewing through the dark star globe. ●●● The realistic Illusion of Earth and Moon “hanging in space on invisible wires” and at the same time the presentation of the Copernican System is one of the main aims of this Instrument. ●●● Still it can do far more; just follow the instructions, set the globe for your annual position and compare what you see in the sky! ●●● Within short you will learn that a BAADER PLANETARIUM is everything else but a toy and to really make use of its enormous capabilities the best way will be to place it on your desk and already by viewing and comparing reality with the model, you will find solutions for teaching and demonstrating, impossible even with large projecting planetaria.

TECHNICAL DESCRIPTION:



- Two semispheres forming a globe of 50 cm (20") diameter; material – high quality acrylic glass of night-black color, **printed on outer and inner surface**. Outer printing showing yellow stars to fifth magnitude, constellation lines, white milkyway and blue coordinate grid; inner printing in white, showing stars as viewed from Earth.
- **Electrically operated orrery** with 6V current inside the globe – therefore safe for children. Continuous forward and reverse motion. Three grades of illumination – for continuous operation-, demonstration- and projection-mode.
- Sturdy black plastic base, containing the transformer for 220/240V or 110/125V and two twist-knobs for external control.
- During daylight the globe appears opaque, showing an inverted printing like every other star globe when viewed from outside. In a dark room however with illuminated Sun, the globe becomes transparent – but only on the near side facing the observer. The far side remains opaque, giving the effect of a hemispherical background of stars – now the sky is not inverted anymore! **Regardless of the direction from which the interior is examined, no observer will see the face of hie opposite.**
- **Star projection**; removing the diffusing sun-cover will produce a pinpoint ligh-source to enable a shadow projection of stars and constellations on a white ceiling or surrounding walls.
- In combination with our **Projection Dome** the globe can be adjusted to project the stars for any geographical and annual position. Note that the star globe is mounted **free on it’s base**. For correct orientation the whole globe can be adjusted.
- Incl. **60 mythological constellation images** on 5 plastic foils for projection or study.
- Incl. dust cover for storage protection.
- Incl. detailed instruction manual and scriptum “**The purpose of the Baader Planetarium**”.

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planetarium®

BAADER PLANETARIUM authorized Dealer:

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6 samples of 60 star constellation; simply cut out of carrier foil and stick to the globe to project

