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## SUN - Spirit of Cheops

Composition and musical director: STEVE SCHROYDER  
 Musical precept und tuning technique: HANS COUSTO

1. Spirit of Cheops 21:51

2. Gangway and Gallery 7:26

3. Royal Chamber 12:5

4. Sarcophagus 10:24

Synthesizers: Steve Schroyder  
 Planet Gongs: Jens Zügar  
 Didgeridoo: Gary Thomas

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### 1. SPIRIT OF CHEOPS

**The magic sonority of the pyramid's structure.** The listener glimpses from afar the majestic pyramid, approaches it in symphonic configuration of its sound, seeming finally to merge with it.

### 2. GANGWAY AND GALLERY

**The uncanny path leading into the pyramid.** A gangway, over one hundred meters long and almost as low as it is wide, first leads into depths of solid rock. Thirty meters further, a sonorous Jupiter gong tone signal a junction to an ascending passage leading into the gallery, far over 40 meters long and easily 8,50 meters high.

### 3. ROYAL CHAMBER

**The sublime feeling of being in the center** – surrounded by granite blocks weighing tons! The listener is now about one third the way up the pyra-

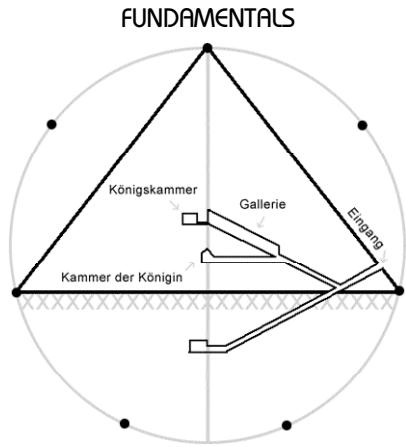
mid. This unassuming chamber, easily 10 meters in length, some six meters wide and over five meters high, is the point at which the pyramid's energy is concentrated. Aside from the pure Sun-tone, Mars and Saturn also resound here in the tones so distinctive of them.

### 4. SARCOPHAGUS

**The tone of the source of dimension and number.** The stone coffer in the Royal Chamber is often erroneously referred to as a grave. There is, however, no evidence indicating that this coffer was ever used as a sarcophagus. It would, rather, appear that this coffer served a function analogous to that of the „standard meter“ stored in Paris – a fundamental unit of measure. The wisdom of the ancient Egyptians is here, in dimension and number, documented – more than symbolically – in stone. The mysteries of the structure of the world are concealed in this heart of the pyramid.

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The music is based on a transposition of the dimensions and proportions of the Cheops Pyramid into the acoustically perceptible range. The music was composed in consonance with the elementary structures of the pyramid.

As a work, „Sun – Spirit of Cheops“ brings to resonance the Cheops Pyramid's physical relation to actual astronomical data. The point of

departure here is the height of the Cheops Pyramid, one tenth of the gravitational longitude of our sun. This initial dimension leads us to a B tone with 126,22 hertz, or b with 252,44 hertz, which corresponds to the tone of the sun. The other main intervals (degrees of the base tones) are then derived, in accordance with the dimensions of Cheops and in analogy to their proportions on vibrating strings, from this fundamental tone.

The pitches of this compositions correspond not to the customary intervals of the chromatic scale, but precisely to the proportions of the pyramid's dimensions. This is the reason for its unusually powerful energetic impact.

As music, „Sun – Spirit of Cheops“, following the spirit of the great pyramid, appears at the same time strange and familiar, like a revelation from another world, gripping and powerful. The music leads the listener into realms beyond the accustomed world of hearing and imagination.

## CREDITS

Composition, arrangement and sound design: **Steve Schroyder**

Transposition of pyramid dimension into tones and tempos: **Hans Cousto**

Planeten Gongs: **Jens Zýgar**  
Didgeridoo: **Gary Thomas**

Engineering, additional sound design and mix: **Christoph Hausmann**

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Calculations, tuning work and composition were done at Oxyt-Studio in Renan (Swiss Jura mountains), Oxo-Studio in Freiburg (Breisgau), in the Odenwald-Pyramid in Erbach-Günterfürst and in the Casa Guardaval in Montagnola (Tessin, Switzerland). The final recordings were made at the CMS Music Studio Brachelshof in Elsdorf-Oberembt, Jülich.

Special thanks to Edgar und Gertrud for their patience and love. Heartfelt thanks to musicians Jens Zýgar and Gary Thomas, who, with their natural sounds (gongs and didgeridoo), lent breadth to the overall sound image. Thanks, too, to Roger Liggendorfer (Solothurn, Schweiz) and Fritz Dobretzberger (Munich) for their never-flagging support. Sincere thanks and recognition as well to Robert Paiste (Planet Gongs, Paiste AG Nottwil) und Rudi Linhard (Advanced Memory Moog, Nürnberg). Live equipment by ZECK®.

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