

AGLAÍA AND HEPHAESTUS

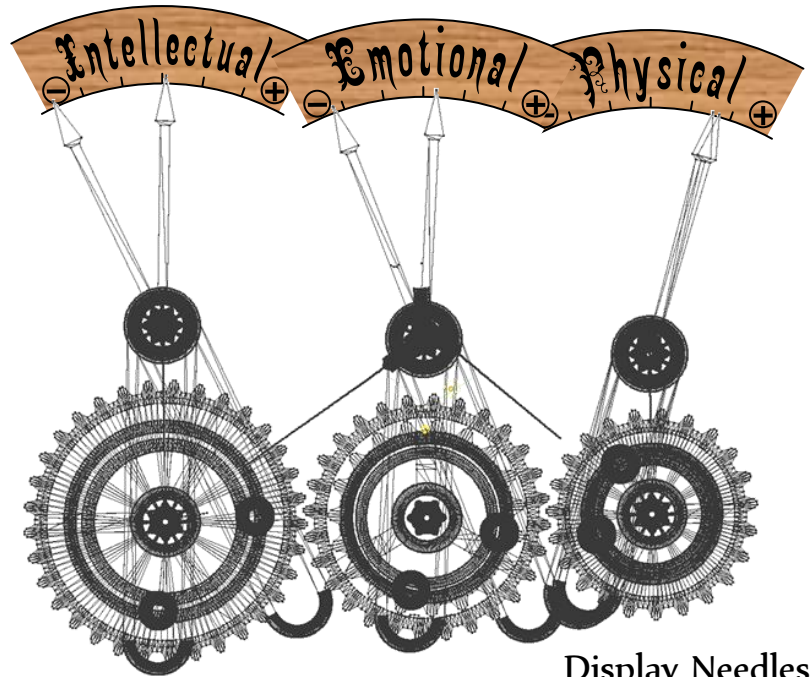
FIRST PROTOTYPE

A mechanical device to accurately compute biorhythms for two people, from birth until death

This machine was algorithmically generated using custom software.

Given the dates of birth for two people, the software produces a personalized mechanical computer.

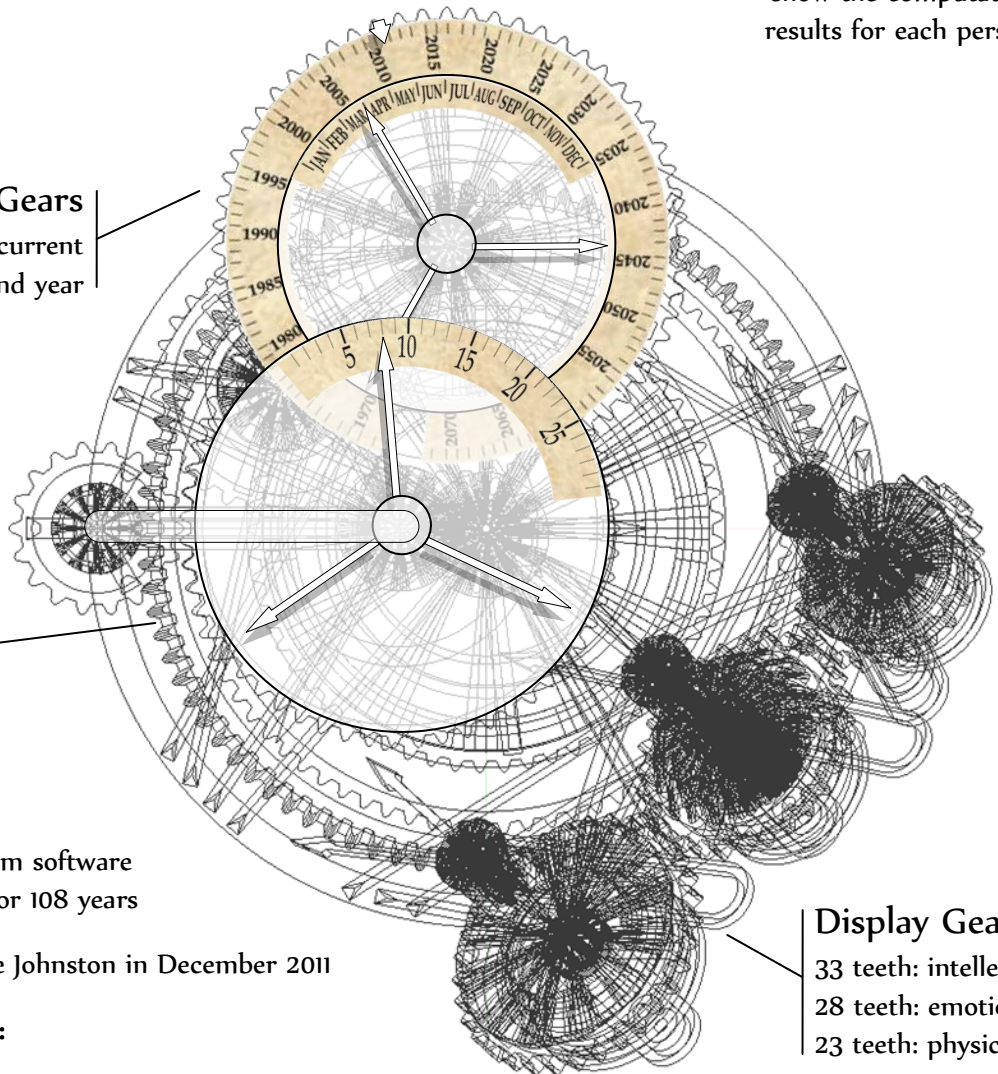
The resulting machine is printed as a single piece, pre-assembled and functional.



Display Needles show the computation results for each person

Calendar Gears for setting the current month, day and year

Conversion Gear 89 / 79 teeth, for accurate conversion from calendar time to biorhythm cycles



Display Gears
33 teeth: intellectual
28 teeth: emotional
23 teeth: physical

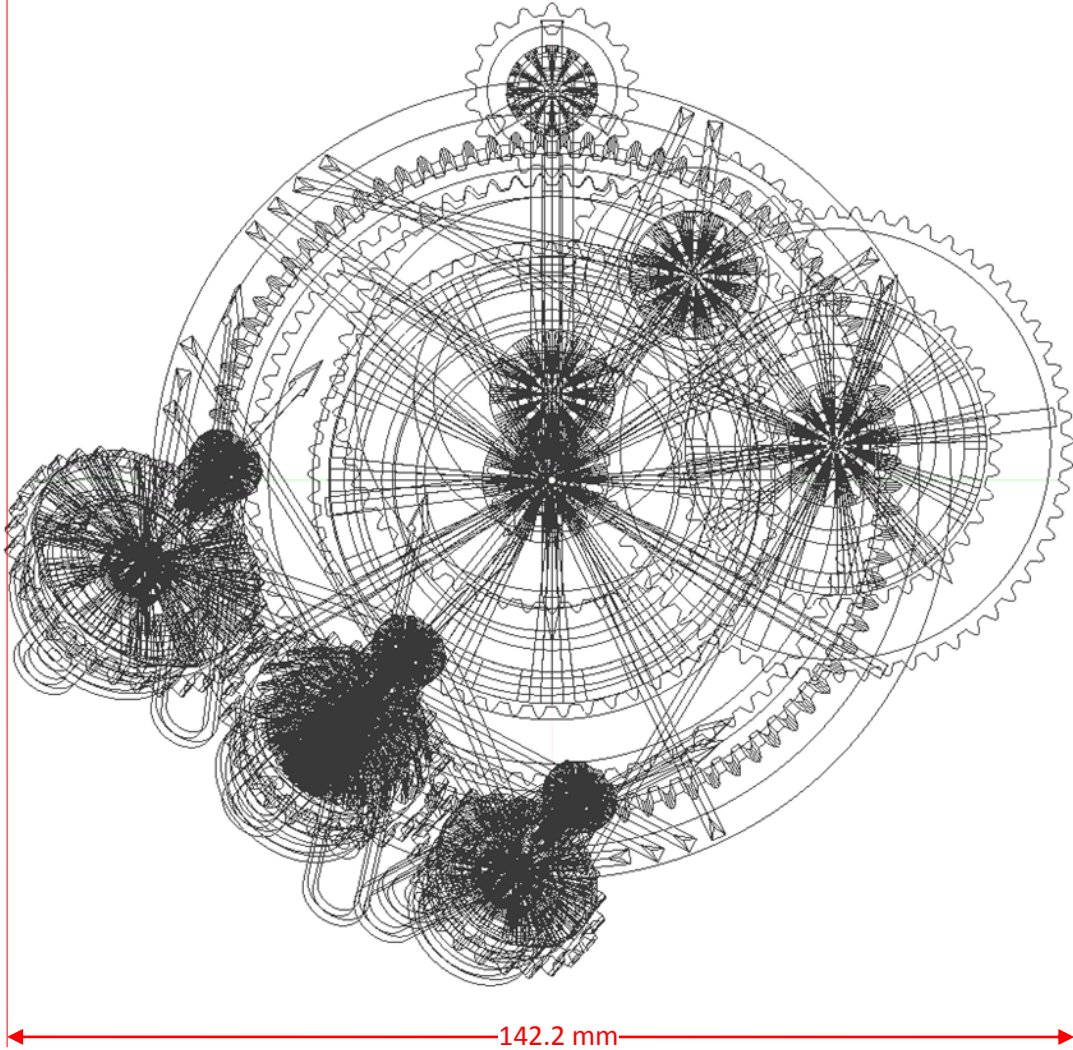
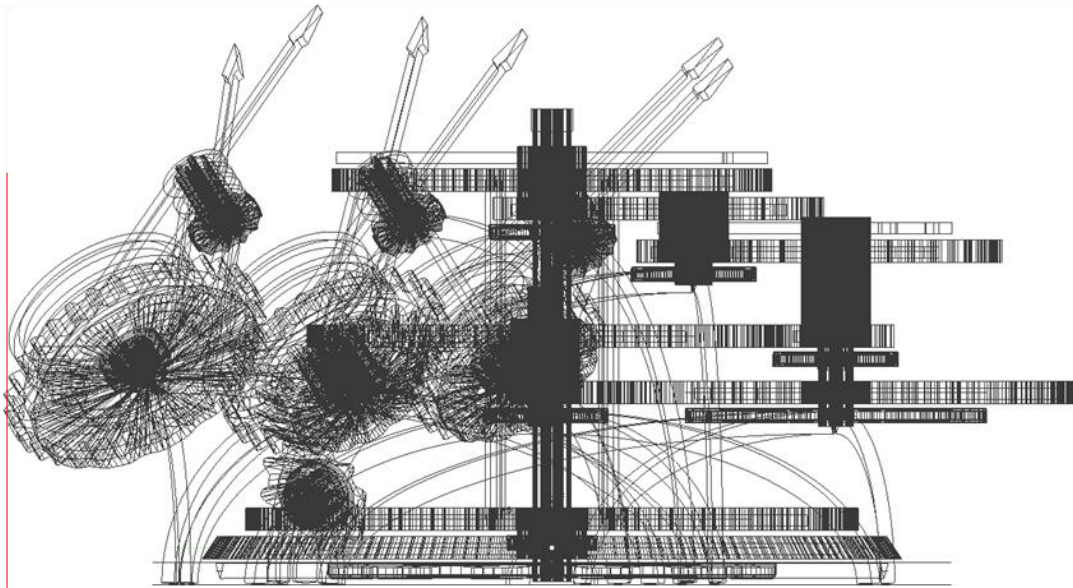
Materials: 3D printed acrylic, custom software

Accuracy: +/- 14 seconds per year for 108 years

Designed and built by Eric and Sue Johnston in December 2011

Special thanks for ideas and advice:

Ruslan Abdikeev, Nick Porcino



Prototype machine dimensions:
130.6 x 142.2 x 77.1 mm