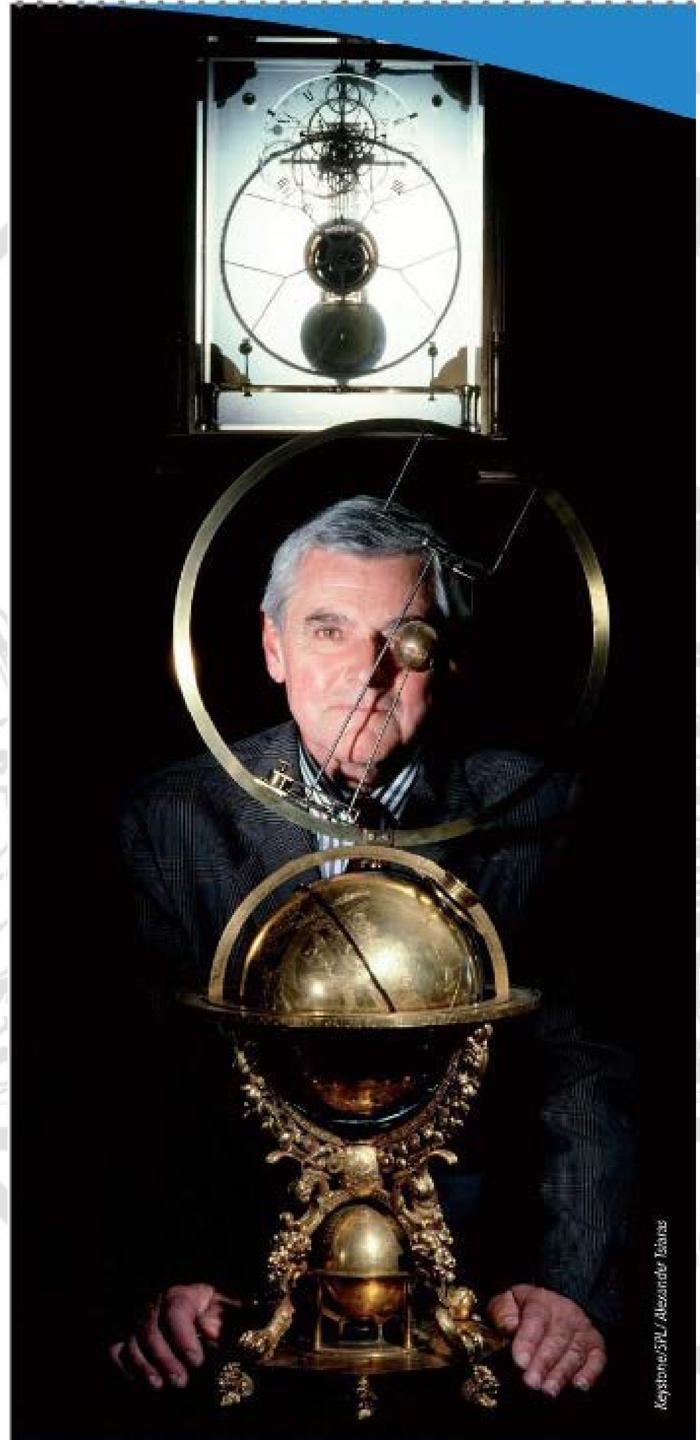
# BERNARD GUINOT
# (1925-2017)

## Homage

21st Meeting of the CCTF

Sèvres, 8 June 2017

Bureau
International des
Poids et
Mesures



# Bernard Guinot

- Bernard passed away on March 6, 2017, at the age of 91.
- Officer in the shipping department, he become an astronomer at the Paris Observatory in 1952;
- In 1958, he obtained his doctoral thesis on the Danjon astrolabe, an instrument used for observations used for polar motion and Earth rotation determination;
- Director of the Bureau International de l'Heure between 1965 and 1985, located at Paris Observatory in the Department of Fundamental Astronomy, today SYRTE;
- He officially transferred the BIH activity on time scales to the BIPM in 1985, organized and headed the Time Section.

- He made made outstanding contributions to space and time metrology,
  - He designed new algorithms for the calculation of UT1 and the polar coordinates,
  - He contributed to the transiton from optical measurements to space geodesy techniques, and proposer their use for the measurement of the Earth’s rotation and the maintenance of the global geodetic system,
  - He proposed in 1979 the definition of a new equatorial origin which was adopted by the IAU in 2000,
  - He created the algorithm forTAI, « ALGOS »; he was strongly involved in the establishment of UTC, and he strongly supported to stop leap second insertions.

- He had an extraordinary clarity for presenting his ideas. His book, co-authored with Claude Audoin, « The measurement of time », is a clear and exhaustive compendium of time and frequency metrology at about 2000.
- He was a member of the CCDS (today CCTF) between 1978 and 1984, and a member of the CIPM.

**His competence, his rigor and his scientific authority have been unanimously recognized. We have lost with him a prominent personality**