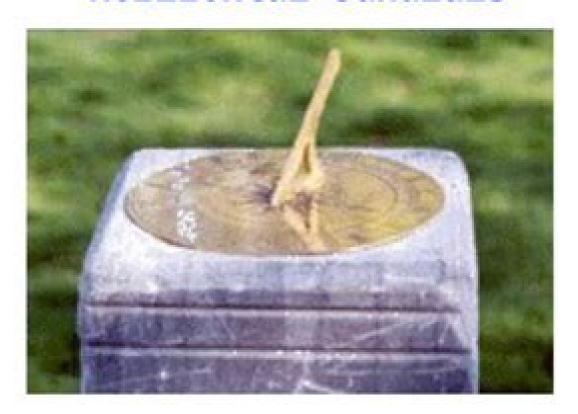


# Horizontal Sundials



R.L. Kellogg, PhD

Reference: <u>Sundials, Their Theory and</u> <u>Construction</u> by Albert Waugh, Dover Paperback, 1957

## **Sundials Theory And Construction**

Christopher J. Budd, Christopher Sangwin

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Architectural Design, Architectural Theory, History, and Criticism, Human Behavior, Professional Practice, Special Topics, Urban Design Theory and History Georgia Bizios, 1998 **Mathematical Instrumentation in** Fourteenth-Century Egypt and Syria François Charette, 2003-06-01 This volume contains the critical edition with English translation of a richly illustrated Arabic treatise on the construction of over one hundred various astronomical instruments many of which are otherwise unknown to specialists It was composed by Najm al D n al Misr a rather shadowy figure in Cairo ca 1330 The edition is accompanied by a detailed technical and historical commentary which is framed as a self standing essay on Islamic mathematical instrumentation While this essay commentary is mainly based on Najm al D n s treatise it also benefits from the consultation of a large number of previously unstudied manuscripts and includes a discussion of all relevant sources from the period 800 1500 Time in Early Modern Islam Stephen P. Blake, 2013-02-11 The prophet Muhammad and the early Islamic community radically redefined the concept of time that they had inherited from earlier religions beliefs and practices This new temporal system based on a lunar calendar and era was complex and required sophistication and accuracy From the ninth to the sixteenth centuries it was the Muslim astronomers of the Ottoman Safavid and Mughal empires who were responsible for the major advances in mathematics astronomy and astrology This fascinating study compares the Islamic concept of time and its historical and cultural significance across these three great empires Each empire while mindful of earlier models created a new temporal system fashioning a new solar calendar and era and a new round of rituals and ceremonies from the cultural resources at hand This book contributes to our understanding of the

Muslim temporal system and our appreciation of the influence of Islamic science on the Western world

Higton,2001 This is an examination of the portable sundials used as timekeepers for three millennia The focus is on the sundials themselves but much reference is made to social political and economic history

Encyclopedia of the History of Arabic Science Roshdi Rashed,2019-08-08 The Arabic contribution is fundamental to the history of science mathematics and technology but until now no single publication has offered an up to date synthesis of knowledge in this area In three fully illustrated volumes the Encyclopedia of the History of Arabic Science documents the history and philosophy of Arabic science from the earliest times to the present day The set as a whole covers seven centuries Thirty chapters written by an international team of specialists from Europe America the Middle East and Russia cover such areas as astronomy mathematics music engineering nautical science and scientific institutions

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