

The World Treasury Of Physics Astronomy And Mathematics

Studies in Hebrew Astronomy and Mathematics Astronomy without Mathematics A History of Ancient Mathematical Astronomy Astronomy Without Mathematics History of Ancient Mathematical Astronomy: Stars and Numbers Astronomy Without Mathematics Islamic Mathematical Astronomy A History of Ancient Mathematical Astronomy Mathematical Astronomy in Copernicus' De Revolutionibus Astronomy Without Mathematics Astronomy Astronomy Without Mathematics (1883) Astronomy Without Mathematics Astronomy Mathematical Cosmology and Extragalactic Astronomy P.A.M. Indian Mathematics and Astronomy Astronomy without Mathematics Astronomy, as It Is Known at the Present Day Solomon Gandz Pliny E. Chase O. Neugebauer Edmund Beckett Baron Grimthorpe Otto Neugebauer Paul Kunitzsch Edmund Beckett (1st baron Grimthorpe.) David A. King Otto Neugebauer N.M. Swerdlow Edmund Beckett Grimthorpe Edmund Beckett Grimthorpe Edmund Beckett Grimthorpe Edmund Beckett Baron Grimthorpe Edmund Beckett Grimthorpe S. Balachandra Rao Edmund Beckett Denison George G. Carey Studies in Hebrew Astronomy and Mathematics Astronomy without Mathematics A History of Ancient Mathematical Astronomy Astronomy Without Mathematics History of Ancient Mathematical Astronomy: Stars and Numbers Astronomy Without Mathematics Islamic Mathematical Astronomy A History of Ancient Mathematical Astronomy Mathematical Astronomy in Copernicus' De Revolutionibus Astronomy Without Mathematics Astronomy Astronomy Without Mathematics (1883) Astronomy Without Mathematics Astronomy Mathematical Cosmology and Extragalactic Astronomy P.A.M. Indian Mathematics and Astronomy Astronomy without Mathematics Astronomy, as It Is Known at the Present Day Solomon Gandz Pliny E. Chase O. Neugebauer Edmund Beckett Baron Grimthorpe Otto Neugebauer Paul Kunitzsch Edmund Beckett (1st baron Grimthorpe.) David A. King Otto Neugebauer N.M. Swerdlow Edmund Beckett Grimthorpe Edmund Beckett Grimthorpe Edmund Beckett Grimthorpe Edmund Beckett Baron Grimthorpe Edmund Beckett Grimthorpe S. Balachandra Rao Edmund Beckett Denison George G. Carey

reprint of the original first published in 1869

from the reviews this monumental work will henceforth be the standard interpretation of ancient mathematical astronomy it is easy to point out its many virtues comprehensiveness and common sense are two of the most important neugebauer has studied profoundly every relevant text in akkadian egyptian greek and latin no matter how fragmentary with the combination of mathematical rigor and a sober sense of the true nature of the evidence he has penetrated the astronomical and the historical significance of his material his work has been and will remain the most admired model for those working with mathematical and astronomical texts d pingree in bibliotheca orientalis 1977 a work that is a landmark not only for the history of science but for the history of scholarship hama history of ancient mathematical astronomy places

the history of ancient astronomy on a entirely new foundation we shall not soon see its equal n m swerdlow in *historia mathematica* 1979

the studies brought together in this second collection of articles by paul kunitzsch continue the lines of research evident in his previous volume the arabs and the stars the arabic materials discussed stem mostly from the early period of the development of arabic islamic astronomy up to about 1000ad while the latin materials belong to the first stage of western contact with arabic science at the end of the 10th century and to the peak of arabic latin translation activity in 12th century spain the first set of articles focuses upon ptolemy in the arabic latin tradition followed by further ones on arabic astronomy and its reception in the west the final group looks at details of the transmission of euclid s elements

when i first laid out the framework for a history of ancient mathe matical astronomy i intended to carry the discussion down to the last applications of greek astronomical methodology i e copernicus brahe and kepler but as the work proceeded it became evident that this plan was much too ambitious and so i decided to terminate my history with late antiquity well before islam nevertheless i did not discard the running commentary that i had prepared when studying de revolutionibus in its relation to the methodology of the almagest only recently e s kennedy and his collaborators had opened access to the maragha school mainly ibn ash shalir revealing close parallels to copernicus s procedures accordingly it seemed useful to make available a modern analysis of de revolutionibus and thus in 1975 i prepared for publication notes on copernicus in the meantime however noel swerdlow also starting from greek astronomy not only extended his work into a deep analysis of de revolu tionibus but also systematically investigated its sources and predecessors peurbach regiomontanus etc i was aware of these studies through his publications as well as from numerous conversations on the subject at the institute for advanced study and at brown university it became clear to me that my own investigations lay at too superficial a level and i therefore withdrew my manuscript and suggested to swerdlow that he undertake a thoroughgoing revision and amplification of my notes his acceptance of my proposal initiated the present publication

excerpt from astronomy without mathematics the sale of 3000 copies of this book in little more than a year many of them to persons of more educa tion than i originally contemplated has induced me to enlarge it considerably going rather deeper into the subject and adding some explanations which i did not venture on before the additions chiefly relate to meteors nebulae and stars the moon s acceleration and other disturbances the tides and the calculations for easter in all ages and a fuller account of the meth ods of weighing the sun moon and planets the chap ter on telescopes also has been greatly enlarged for astronomy lives by them and i do not know where a popular explanation of the theory of telescopes is to be found about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

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mathematical cosmology and extragalactic astronomy

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excerpt from astronomy as it is known at the present day there is no science in which progressive improvement is so distinctly marked as in astronomy the steps by which it has advanced to the state of excellence in which we now behold it may be as accurately traced as the principal events of our past lives but although this be the case and although the improvement of this science has been productive of more important benefits to society than any other that could be named yet there is no branch of useful knowledge so little studied by the inhabitants of this country at the present day as astronomy for though great and important discoveries have lately been made in this science yet a knowledge of these and even of the principles of the science itself is confined to a few individuals the chief reason perhaps that can be assigned for this well known fact is that the science of astronomy has been generally cultivated by eminent mathematicians and hence an ill founded opinion has arisen that it is necessary to study a tedious course of mathematics previous to entering upon the study of this science but however necessary mathematical knowledge may be in the pursuit of astronomical studies much important and useful information may be acquired on this subject without possessing a knowledge of mathematics about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

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