Science and Technology
in Islam

IV
Publications of the Institute for the History of Arabic-Islamic Science

Edited by Fuat Sezgin

Science and technology in Islam

IV
SCIENCE AND TECHNOLOGY IN ISLAM

VOLUME IV

Catalogue of the collection of instruments of the Institute for the History of Arabic and Islamic sciences

by

Fuat Sezgin

in collaboration with

Eckhard Neubauer

Translated by

Renate Sarma

and

Sreeramula Rajeswara Sarma

7. MEDICINE • 8. NAVIGATION • 9. MINERALOGY

2010
Institut für Geschichte der Arabisch–Islamischen Wissenschaften
an der Johann Wolfgang Goethe-Universität
Frankfurt am Main
TABLE OF CONTENTS

Chapter 7: Medicine ................................. 1
   Introduction .................................... 3
   1. Medical Instruments ...................... 3
   2. Series of Anatomical Illustrations ....... 7
   3. Anatomical Illustrations of the Organ of Vision ...... 16
   4. Portraits of Famous Physicians .......... 28
   Instruments and models ..................... 35
       Bloodletting ................................ 35
       Cauterisation ............................... 36
       Treatment of the Head and the Face ....... 39
       Treatment of the Eye ...................... 42
       Treatment of the Ears, Nose and Respiratory Passages ... 54
       Dental Treatment ......................... 61
       Treatment of Nervous Disorders .......... 67
       Treatment of the Urinary Tract .......... 69
       Gynaecological Instruments ............ 73
       Orthopaedics ............................... 81
       General Surgery ............................ 83
       Trauma Surgery ............................. 86
   Instruments From al-Fustṭāṭ .................. 92

Chapter 8: Chemistry and Alchemy ..................... 95
   Introduction ................................... 97
   Chemical Laboratory Equipment ............. 109

Chapter 9: Mineral and Fossils ......................... 155
   Introduction ................................... 157
   Objects (Listed by Hardness) ............... 166

Bibliographie .................................... 213
Index ............................................. 220
   I. Personal Names ............................ 220
   II. Technical Terms and Place Names ...... 224
   III. Titles of Books ......................... 234