

1560

A



ON PERIODICAL CHANGE  
OF  
TERRESTRIAL MAGNETISM,

BY

F. W. SCHULZE.

READ BEFORE THE NORTH-CHINA BRANCH OF THE ROYAL  
ASIATIC SOCIETY, ON THE 14<sup>TH</sup> JUNE, 1878.

*The net proceeds of the Sale of this Pamphlet will be handed to the  
Shanghai Museum Fund.*

SHANGHAI ..... KELLY & WALSH.  
LONDON ..... TRÜBNER & Co.

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DEDICATION.

TO HIS EXCELLENCY

ADMIRAL BARON WÜLLERSTORFF,

(IMPERIAL AUSTRIAN NAVY,)

Formerly Commodore of the "*Novara*"

*Circumnavigation Expedition, Minister of Marine, &c.,*

this Essay is respectfully dedicated, as a tribute to His Excellency's scientific and professional Prominence; especially in acknowledgment of His Excellency's diligent, elaborate and profound Meteorological Investigations.

FRITZ W. SCHULZE.

Shanghai, 20th January, 1879.

## PREFACE.

Not without diffidence I present these pages to the public, on account of their being written in a language, which is not my native one; I may not always have succeeded to express my ideas in words, best suited to convey my exact meaning correctly; the more so, as a plain sailor can hardly be expected to be very proficient in nice penmanship; my excuse for writing on magnetism at all is, that a navigator not only has a right, but a duty, to occupy himself with anything connected with safe navigation, on which magnetism certainly has a direct influence; because without the magnetic needle and a knowledge of its various properties, modern navigation would never have attained the Eminence in the world's commerce, progress and civilisation, which it actually has achieved.

On account of my frequent absence from Shanghai during the reading of the proof sheets, I have to apologize for some misprints, that have remanied undetected, although the Editorial Committee of the Society, especially the late Honorary Secretary, Joseph Haas, Esq., have done much to eliminate many mistakes of that class; most of them owe their origin to not sufficiently legible corrections of the manuscript.

Some of my assertions may, like every new idea, appear startling at first, and be received with distrust, experiencing the unenviable fate of being treated superciliously; I shall possibly have no time, to pay much attention to criticisms of