# ATOMS AND ENERGIES

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Atoms and Energies by D. A. Murray

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### D. A. MURRAY

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BY

#### D. A. MURRAY, A. M.

SOME TIME INSTRUCTOR IN THE GOVERNMENT SHOGYO GAEKO, EYOTO, JAPAN

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1901

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#### Preface

Discussion. In dealing with the movements of Atoms I have endeavored to not postulate any new Force or factors of any kind, but simply to take the energies and laws which we now know, and compute their effects in the Atomic Distances. Where the real condition in any case has been unknown, yet it is certain that one of two alternatives must be true, the one chosen has been, I believe, in every case the one equally or more probable intrinsically than the other.

The field entered is new and exceeding large, so, while not asking any leniency of criticism for the results here set forth, I would be speak a little suspension of judgment and candid, independent study along the same lines. Doubtless some or all of the conclusions here reached may have to be materially modified before a final solution is reached. It will