

CONTENTS.

Art 1.—Botanische Studien aus den Tropen. (*Hierzu 3 Tafeln*). By M. MIYOSHI.—Publ. June 13th, 1910.

Art 2.—The Change of Cobaltous into Cobaltic Nitrite. By T. SUZUKI.—Publ. July 12th, 1910.

Art 3.—The Action of the Grignard Reagent on Camphoric and Iso-camphoric Esters. By Y. SHIBATA.—Publ. July 15th, 1910.

Art 4.—Lebensgeschichte der Stengel-Bulbillen einiger Angiospermen. (*Mit 3 Tafeln*). By H. NAKANO.—Publ. November 13th, 1910.

Art 5.—Seiches in Some Lakes of Japan. (*With 18 plates*). By S. NAKAMURA and K. Honda.—Publ. 28th, 1911.

Art 6.—Etudes Anthropologiques. Les Aborigènes de Formose. By R. TORII.—Publ. December 23rd, 1910.

Art 7.—Results of the Harmonic Analysis of Tidal Observations made at Various Ports of Japan. (*With 28 plates*). By S. HIRAYAMA.—Publ. April 3rd, 1911.

CONTENTS.

	PAGE.
Introduction ...	1
The Sites of the Observatories ...	3
Description of a Tide Observatory ...	5
Tide-Gauges ...	6
Sun-Dial ...	8
The Duties of the Clerk ...	8
Height of the Zero-Point of the Instruments... ...	9
The Determination of the Distance of the Surface below the Zero- Point ...	10
The Working Scale of the Instruments ...	15
Preparation of the Marigram for Reduction ...	15
Harmonic Analysis ...	16
The Results of the Analysis ...	17
Takaw... ...	19
Kiirun... ...	21
Fukabori ...	24
Hosojima ...	28
Tonoura ...	31
Kobe ...	34
Kushimoto ...	37
Wajima ...	41
Aburatsubo ...	44
Yokohama ...	47
Iwasaki ...	50
Ayukawa ...	53
Otaru ...	57
Hanasaki ...	59
Mean Values of Harmonic Constants ...	62