CONTENTS

ORIGINAL PAPERS

Oceanography.— On the temperature of the water below the 500-fathom line on the west coast of South and North America. AUSTIN H. CLARK 413

Physics.— Constants of spectral radiation of a uniformly heated inclosure or so-called black body, II. W.W. COBLENTZ 418

Physics.— A study of the inductance of four-terminal resistance standards. FRANCIS B. SILSBE 419

Chemistry.— The determination of aluminium as oxide. WILLIAM BLUM 421

Paleontology.— Oligocene fossil eggs. EDWARD L. TROXELL 422

Botany.— Pleiospermium, a new genus related to Citrus, from India, Ceylon, and Java. WALTER T. SWINGLE 426

Physiology.— Studies on the mineral elements in animal nutrition. E.B. FORBES 431

ABSTRACTS

Physics 447
Photometry 447
Geology 449
Mineralogy 453
Botany 454

REFERENCES

Paleontology 455
Botany 455
Forestry 457
Phytopathology 457
Plant Physiology 458
Evolution 459
Entomology 450
Physiology 463
Pathology 453
Technology 463