## CONTENTS

## ORIGINAL PAPERS

Physics—Melting temperatures of sodium and lithium metasilicates. F.M.	
Jaeger	49
A method for determining the density of certain solids by means of Rohr-	
bach's solution having a standard refractive index. H. E. Merwin	52
Electricity.—A study of the current transformer with particular reference to	
iron loss. P. G. Agnew	53
Geochemistry.—Minerals and rocks of the composition MgSiO <sub>3</sub> —CaSiO <sub>3</sub> –	
FeSiO <sub>3</sub> . Robert B. Sosman	54
Mineralogy.—Crystallized turquoise from Virginia. Waldemar T. Schaller	58
Quartz and fluorite as standards of density and refractive index. H.E	
Merwin	59
The temperature stability ranges, density, chemical composition an	
optical and crystallographic properties of the alkali feldspars. H. E	
Merwin	59
Petrology—A micrometer ocular with coordinate scale. Fred Eugene Wright	60
The lavas of Hawaii and their relations. Whitman Cross	61
Paleontology.—Remarks on the lossil turtles accredited to the Judith River	
formation.	64
Zoology—Remarks on the nervous system and symmetry of the crinoids. Austin H. Clark	65
Chemical statistics.—The consumption of the commoner acids in the United States. Charles E. Munroe	70

## ABSTRACTS

Geodesy	74
Meteorology	77
Terrestrial Magnetism	80
Electricity	80
Radio-telegraphy	82
Chemistry	84
Electrochemistry	85
Agricultural Chemistry	86
Mineralogy	88
Geology	89
Botany	91
Forestry	92
Zoology	94
Conchology	95
Fisheries	96
Pharmacology	97
Bacteriology	99
Sanitation	99
Engineering	100

PROCEEDINGS

Washington Academy of Sciences