## CONTENTS

## Vol. 17 (A)-1934

Pag	E
Part I.—The Thermal Dissociation of Cadmium Carbonate. By P. Y.  Narayana and H. E. Watson	1
Part II.—Studies in Indian Essential Oils. V.—Essential Oil from the Rhizomes of Curcuma Longa, Linn. By N. C. Kelkar and B. Sanjiva Rao. VI.—Essential Oil from the Rhizomes of	
Acorus Calamus, Linn. By N. C. Kelkar and B. Sanjiva Rao 7	7
Part III.—The Gas from Indian Oil Wells. By G. P. Kane, K. R. Krishnaswami and H. E. Watson 33	3
Part IV.—Reactivity of Dimethyldihydroresorcin. III.—Azo-dyes and Diazo-oxy Compounds. By B. H. Iyer and G. C. Chakravarti 41	1
Part V.—Utilisation of Non-Edible Seeds and Seed-Cakes. I.—Vegetable Casein from <i>Pongamia glabra</i> and its Applications. By N. Srinivasan and V. Subrahmanyan 49	9
Part VI.—Petrol-Water Emulsions. II.—Reproducibility and Viscosity.  By B. N. Narayanaswamy and H. E. Watson	5
Part VII.—Preparation of Sugar Syrup from Cashew Apple (Anacardium occidentale, Linn.). By M. Srinivasan 85	5
Part VIII.—Utilisation of Indigenous Tanning Materials. I.—Manufacture of Tannin Extract from Avaram Bark (Cassia auriculata, Linn.). By Keshaviah Aswath Narain Rao and Shaha L.  Janniah	5
Part IX.—Estimation of Potassium by the Cobaltinitrite Method. By S. D. Sunawala and K. R. Krishnaswami	;
Part X.—On the Nature and Extent of Periodic Fluctuations in Certain Soil Constituents. By A. Sreenivasan and V. Subrahmanyan 113	3
Part XI.—On the Characterisation of Different Amylases. By K. Venkata Giri	7
Part XII.—Contributions to the Study of Spike-Disease of Sandal (Santa-lum Album, Linn.). XVI.—Distribution of Arsenic in Sandal-wood treated with Sodium Arsenite. By A. V. Varadaraja Iyengar	
Part XIII.—The Estimation of Chlorine in Water by the o-Tolidine  Method By S D Sunawala and K. R. Krishnaswami 141	

		Page
Part	XIV.—Contributions to the Study of Spike-Disease of Sandal (Santa-lum Album, Linn.). XVII.—Hydrogen-ion Concentration	
	By M. Srimvasan and M. Orechital	153
Part	XV.—Estimation of Tannin in Plant Materials. I.—Cassia auriculata.  By N. Srinivasan	165
Part	XVI.—Raman Effect in Certain Derivatives of Cyclohexane. By G. V. Nevgi and S. K. Kulkarni Jatkar	175
Part	XVII.—Raman Effect in Some Terpenes. By G. V. Nevgi and S. K. Kurkarni Jatkar	189
Part	XVIII.—Determination of Carbon in Soils. By V. Subrahmanyan, Y. V. Narayanayya and (Miss) K. Bhagvat	197
	Vol. 17 (B)—1934	
Part	I.—On Atmospherics at Bangalore during the Polar Year. By S. P. Chakravarti and B. H. Paranjpye	1
Part	II.—Studies in Dielectrics. I.—The Effect of Superimposed Magnetic Fields on the Breakdown Voltage of Dielectrics. II.—The Effect of Superimposed Magnetic Fields on the Permittivity and Power Factor of Dielectrics. By N. V. Narayanaswami and F. N. Mowdawalla	19
Part	III.—Radio Field Intensity Measurements at Bangalore during the	47
Part	IV.—Studies in Dielectrics. III.—The Effect of Successive Discharges on the Dielectric Strength of Liquids. IV.—The Effect of Impurities on the Breakdown Voltage of Transformer Oil. By B. S. Ramaswamy, N. V. Narayanaswami and F. N. Mowdawalla	
Part	V.—Brush Contact Drop in D.C. Machines. By M. V. Kesava Rao	<del>-</del> 69
Part	v1.—The Potential of Dry Cells with Magnesium Chloride Flortro	91
	lyte. By V. L. R. Vepa	101

(8)

1.52