## CONTENTS

|                                                                                                                            | PAGE |
|----------------------------------------------------------------------------------------------------------------------------|------|
| Pilgrim Trust Lecture. Organization of American scientists for the war. By K. T. COMPTON                                   | 1    |
| The secondary electron emission from metals in the low primary energy region.  By I. GIMPEL and Sir OWEN RICHARDSON, F.R.S | 17   |
| On the equation of diffusion in a turbulent medium. By W. G. L. SUTTON                                                     | 48   |
| Evaporation from a plane, free-liquid surface into a turbulent air stream. By F. PASQUILL                                  | 75   |
| The ultra-violet spectra and electron configuration of HgF and related halide molecules. By H. G. HOWELL. (Plate 1)        | 95   |

FIRST PRINTED IN GREAT BRITAIN FOR THE ROYAL SOCIETY AT THE UNIVERSITY PRESS, CAMBRIDGE

reprinted in great britain by offset-litho by butler & tanner Ltd., frome and London (1959)