

*Continued from back cover*

- |   |     |
|---|-----|
| Ion dynamics in a perpendicular collisionless shock<br>D. SHERWELL AND R. A. CAIRNS   | 265 |
| Locally excited magnetohydrodynamic waves in a uniform<br>cylindrical plasma waveguide<br>W. N-C. SY                          | 281 |
| Nonlinear, superluminous, periodic waves in a plasma with<br>magnetic field<br>P. C. CLEMMOW                                  | 301 |
| Magnetic dynamo action in two-dimensional turbulent magneto-<br>hydrodynamics<br>DAVID FYFE, GLENN JOYCE AND DAVID MONTGOMERY | 317 |

**JOURNAL OF PLASMA PHYSICS**

Volume 17 Part 2 April 1977

**CONTENTS**

<b>Ion and electron heating in the earth's bow shock region</b>	
<b>P. REVATHY AND G. S. LAKHINA</b>	<i>page</i> 133
<b>Finite geometry effect on the interaction of a hot beam with a plasma</b>	
<b>M. M. SHOUCRI AND R. R. J. GAGNE</b>	139
<b>Alfvén waves in a stochastic magnetic field</b>	
<b>M. L. MITTAL AND Y. S. PRAHALAD</b>	147
<b>On the theory of Langmuir solitons</b>	
<b>J. GIBBONS, S. G. THORNHILL, M. J. WARDROP AND D. TER HAAR</b>	153
<b>Electromagnetic radiation from line sources embedded in a moving bounded magnetoplasma sheath</b>	
<b>P. K. MUKHERJEE</b>	171
<b>Stationary nonlinear interaction between high- and low-frequency waves and the generation of density cavities in a plasma</b>	
<b>K. BAUMGÄRTEL AND K. SAUER</b>	185
<b>Theoretical cross-spectrum of the microfield measured by two small dipoles in a warm isotropic plasma</b>	
<b>R. POTTELETTE, C. CHAULIAGUET AND L. R. O. STOREY</b>	201
<b>Finite amplitude <math>E \times B</math> oscillations in bounded plasmas</b>	
<b>OIVIN HOLTER</b>	233
<b>Propagation of the higher-order Landau modes of electron plasma wave</b>	
<b>S. IKEZAWA, Y. KAWAI, T. HARA, Y. NAKAMURA, T. ITOH AND T. KAWABE</b>	251
<b>Generalized elliptic equilibria in the magnetohydrodynamic approximation</b>	
<b>M. L. WOOLLEY</b>	259

*Continued on inside back cover*

© Cambridge University Press 1977

**CAMBRIDGE UNIVERSITY PRESS**

BENTLEY HOUSE, 200 EUSTON ROAD, LONDON NW1 2DB

32 EAST 57TH STREET, NEW YORK, N.Y. 10022

*Printed in Great Britain at the University Press, Cambridge*