

Contents

<i>Preface</i>	<i>iii</i>
<i>Contributors</i>	<i>vii</i>
Daniel Zelinsky: An Appreciation <i>Andy R. Magid</i>	<i>ix</i>
The Centralizer on H -Separable Skew Group Rings <i>Ricardo Alfaro and George Szeto</i>	1
Contributions of PI Theory to Azumaya Algebras <i>S. A. Amitsur</i>	9
Cocycles and Right Crossed Products <i>M. Beattie</i>	19
Engel-type Theorems for Lie Color Algebras <i>Jeffery Bergen and Piotr Grzeszczuk</i>	31
Constructing Maximal Commutative Subalgebras of Matrix Rings <i>William C. Brown</i>	35
Galois Extensions over Local Number Rings <i>Lindsay N. Childs</i>	41
Infinite Extensions of Simple Modules over Semisimple Lie Algebras <i>Randall P. Dahlberg</i>	67
Smoothing Coherent Torsion-free Sheaves <i>Amassa Fauntleroy</i>	87
Projective Covers and Quasi-Isomorphisms <i>Mark A. Goddard</i>	93
On Dihedral Algebras and Conjugate Splittings <i>Darrell E. Haile</i>	107
On H -Skew Polynomial Rings and Galois Extensions <i>Shūichi Ikehata and George Szeto</i>	113

Separability and the Jones Polynomial <i>Lars Kadison</i>	123
A Note on Gröbner Bases and Reduced Ideals <i>T. Kambayashi</i>	139
Bicomplexes and Galois Cohomology <i>H. F. Kreimer</i>	143
Adjoining Idempotents <i>Andy R. Magid</i>	155
Separable Polynomials and Weak Henselizations <i>Thomas McKenzie</i>	165
Faithful Representations of Lie Algebras over Power Series <i>Graydon Nelson</i>	181
Idealizers of Fractal Ideals in Free Group Algebras <i>Amnon Rosenmann</i>	195
Elements of Trace Zero in Central Simple Algebras <i>Myriam Rosset and Shmuel Rosset</i>	205
Canonical Modules and Factorality of Symmetric Algebras <i>Aron Simis, Bernd Ulrich, and Wolmer V. Vasconcelos</i>	213
Splitting Properties of Extensions of the Wedderburn Principal Theorem <i>Joseph A. Wehlen</i>	223
<i>Index</i>	241