

**TABLE OF CONTENTS**

*Volume 23, Number 4, 2001, December*

|   |     |
|---|-----|
| <b>GEOLOGIC WORK TO TEST GAS POTENTIAL OF LOWER PALEOZOIC (SAUK SEQUENCE) CARBONATE FORMATIONS IN EASTERN AND SOUTHEASTERN NEW YORK STATE</b><br>Gerald M. Friedman and John E. Sanders.....                    | 321 |
| <b>FOSSIL TURTLES FROM THE LOWERMOST NAVESINK FORMATION (MAASTRICHTIAN) IN MONMOUTH COUNTY, NEW JERSEY</b><br>Martin A. Becker and John A. Chamberlain Jr.....  | 332 |
| <b>NEW JERSEY'S CRETACEOUS AMBER DEPOSITS</b><br>William B. Gallagher, David C. Parris, Edward Gilmore, and Ralph Johnson.....  | 340 |
| <b>TEXTURAL EVIDENCE FROM PRESERVED FOSSILS FOR SECONDARY POROSITY DEVELOPMENT DURING CONTACT METAMORPHISM OF THE BALLYSHANNON LIMESTONE, KILLALA BAY, IRELAND</b><br>Stephen Van Horn and Raymond Joesten..... | 346 |
| <b>THERMAL MATURITY PATTERNS IN NEW YORK STATE USING CAI AND %R<sub>o</sub></b><br>David J. Weary, Robert T. Ryder, and Richard E. Nyahay.....  | 356 |
| <b>NORTHEASTERN UNITED STATES CRUST AND MANTLE ELLIPTICAL STRUCTURES: CORRESPONDENCES WITH THE SHALLOW CRUSTAL SEISMICITY</b><br>Warren J. Wenk.....  | 377 |
| <b>2001 GALEY LECTURE: THE SOUTHERN APPALACHIAN THRUST BELT - AN OVERLOOKED AND UNDEREXPLORED PROVINCE</b><br>Robert D. Hatcher, Jr.....  | 395 |
| <b>BOOK REVIEWS.....</b>  | 396 |
| <b>ANNUAL INDEX.....</b>  | 401 |