

TABLE OF CONTENTS

Volume 23, Number 4, 2001, December

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