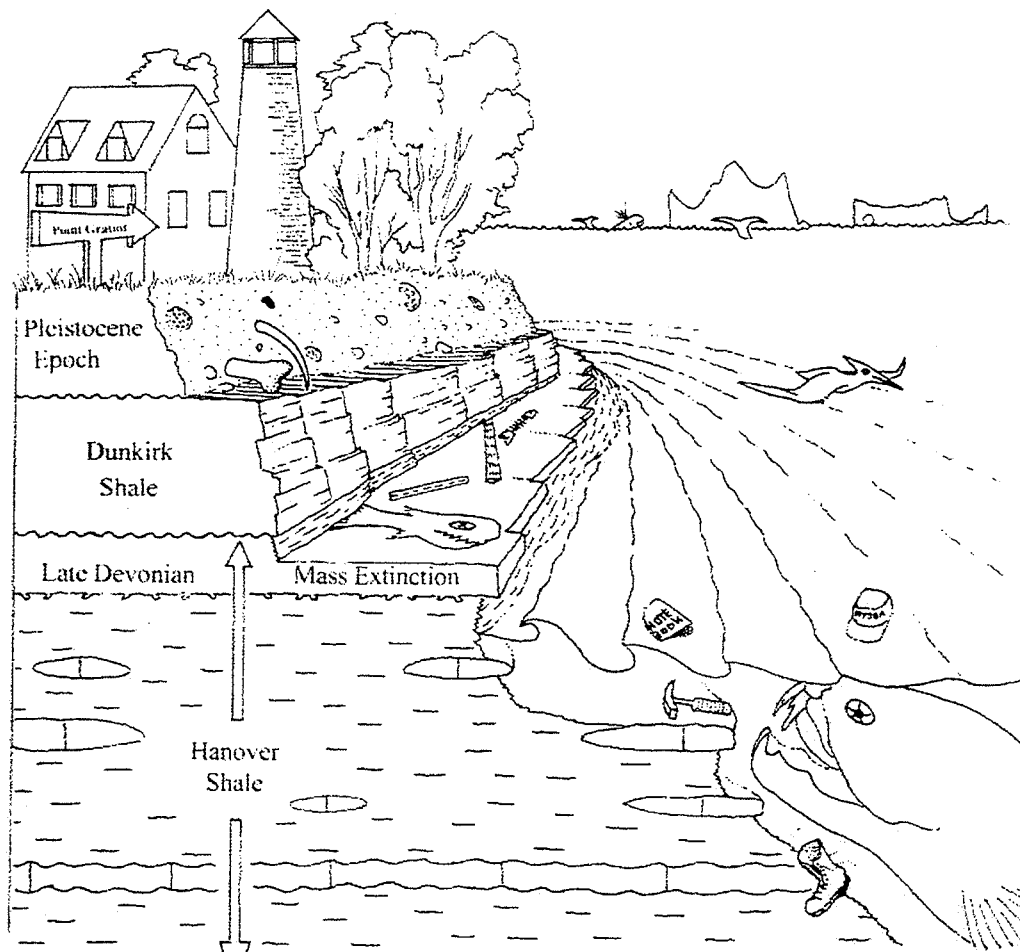


# NEW YORK STATE GEOLOGICAL ASSOCIATION

71<sup>ST</sup> Annual Meeting  
October 1-3, 1999

Field Trip Guidebook



*SUNY College at Fredonia*



**NEW YORK STATE GEOLOGICAL ASSOCIATION**

**71<sup>ST</sup> Annual Meeting**

**October 1-3, 1999**

**FIELD TRIP GUIDEBOOK**

**Gordon C. Baird, NYSGA Coordinator  
Gary G. Lash, Guidebook Editor  
Department of Geosciences  
SUNY College at Fredonia  
Fredonia, NY**



**Department of Geosciences**

**SUNY College at Fredonia**

**Fredonia, New York 14063**

Second printing, April 2000  
ISSN 1061-8724

Errata

Due to the insertion of superfluous pages in the original guidebook, removed from this edition, pages *Sat. F5* and *Sun C 24* appear to be missing herein. This is not the case. The text is intact.

## TABLE OF CONTENTS

### SATURDAY, 2 OCTOBER 1999

- TRIP Sat. A: THE FIRST GREAT DEVONIAN FLOODING EPISODES IN WESTERN NEW YORK: REEXAMINATION OF UNION SPRINGS, OATKA CREEK, AND SKANEATELES FORMATION SUCCESSIONS (LATEST EIFELIAN-LOWER GIVETIAN) IN THE BUFFALO-SENECA LAKE REGION  
Gordon C. Baird, Carlton E. Brett and C. Ver Straeten
- TRIP Sat. B: SILURIAN-EARLY DEVONIAN SEQUENCE STRATIGRAPHY, EVENTS, AND PALEOENVIRONMENTS OF WESTERN NEW YORK AND ONTARIO, CANADA  
Carlton E. Brett, William M. Goodman, Steven T. LoDuca and Denis Tetreault
- AN EXAMINATION OF EURYPTERID OCCURRENCES IN THE WILLIAMSVILLE FORMATION (BERTIE GROUP) EXPOSED IN RIDGEMOUNT QUARRY  
Richard J. Batt
- TRIP Sat. C: STRUCTURE AND UPPER DEVONIAN STRATIGRAPHY IN THE APPALACHIAN PLATEAU OF ALLEGANY COUNTY, NEW YORK STATE, INCLUDING THE CLARENDON-LINDEN FAULT SYSTEM  
Robert D. Jacobi and Gerald Smith
- TRIP Sat. D: ENCOUNTERS OF NATURAL, FISCAL AND LEGAL KINDS ON THE COAST OF THE GREAT LAKE ERIE: DEALING WITH HARBOR CONTROVERSY AT NORTH EAST AND HARBORCREEK-SHADES BEACH, PA AND REVISITING COST-EFFECTIVENESS OF THE \$23 MILLION DOLLAR PRESQUE ISLE EROSION CONTROL PROJECT AT ERIE, PA  
M. Raymond Buyce
- TRIP Sat. E: QUATERNARY GEOLOGY AND WATER SUPPLY ISSUES  
Michael P. Wilson and William T. Boria
- TRIP Sat. F: GEOLOGY OF THE ZOAR VALLEY GORGE OF CATTARAUGUS CREEK CATTARAUGUS AND ERIE COUNTIES, NEW YORK  
Michael J. Meyers

### SATURDAY, 2 OCTOBER 1999

- TRIP Sun. A: PENN DIXIE PALEONTOLOGICAL AND OUTDOOR EDUCATION CENTER: VISIT TO A CLASSIC GEOLOGICAL AND OUTDOOR EDUCATION CENTER  
Jerold C. Bastedo

TRIP Sun. B: "NUNDA SANDSTONE" DEPOSITIONAL EVENT IN THE PIPE CREEK  
BLACK SHALE SOUTH WALES - VARYSBURG AREA, NEW YORK  
Gordon C. Baird and Robert Jacobi

FRASNIAN (LOWER UPPER DEVONIAN) GEOLOGY OF WESTERN  
NEW YORK AS SEEN ALONG EIGHTEENMILE CREEK AND ROUTE  
20A: SUBMARINE DISCONTINUITIES, GRAVITY FLOWS, AND MASS  
EXTINCTIONS  
D. Jeffrey Over, Gordon C. Baird and William T. Kirchgasser

TRIP Sun. C: FOSSIL FAUNAS AND MICROSTRATIGRAPHY OF THE UPPER  
LUDLOWVILLE FORMATION: SMALL-SCALE SEA LEVEL  
FLUCTUATIONS AND CONVERGING UNCONFORMITIES  
Richard J. Batt

TRIP Sun. D: HOLOCENE MEANDER INCISION SUPERIMPOSED ACROSS A BURIED  
VALLEY WALL  
Michael P. Wilson and William T. Boria

Sun. E: **WORKSHOP**  
EARTH SCIENCE FIELD TRIPS FOR HIGH SCHOOL STUDENTS  
Brian Muirhead

Sun. F: **WORKSHOP**  
PROJECT SUNSHINE: STUDENTS HELP INVESTIGATE NATURE IN  
EASTCHESTER  
Julie Ann Hugick

Sun. G: **WORKSHOP**  
INTRODUCTION TO AUTOMATED WEATHER SOURCES (AWS)  
Patrick C. Connor, Jr.