

## TABLE OF CONTENTS

Title Page .....	i
Stratigraphic Chart.....	iii
Table of Contents.....	iv
Dedication .....	vi
Memorials .....	viii
Presidents Letter.....	xii
Editors Comments.....	xiii
WGA Officers .....	xiv
List of Advertisers .....	180

### I. Regional Stratigraphy

Devono-Mississippian Discontinuities in the Northern Rocky Mountains and Their Regional Significance Harold A. Boyd.....	3
The Shannon Sandstone, Salt Creek Area, Wyoming Roderick W. Tillman .....	29
Recognition of a Distal Facies Greatly Extends the Domain of the Deer Creek Debris Avalanche Deposit: "Eocene" Absoraka Range Wyoming David H. Malone.....	69

### II. Oil and Natural Gas

Serendipity, the Story Behind the Discovery of the Grieve Field, "Fault Trap Accumulation" Don E. Lawson.....	81
South Glenrock, Sand Dunes-Derrick Draw Meander Belt, Southwest Powder River Basin, Wyoming Richard P. Swirzynski .....	89
Depositional and Diagenetic Controls on Porosity Distribution at Buck Draw Field, Campbell and Converse Counties, Wyoming Greg P. Anderson and Wendy J. Harrison .....	99
The Triangle "U" Sussex Unit: A Chemical Flood Case History Julie Smith and Dan Larson .....	109
Relationship Between Fracture Treatment Shut-ins, Reservoir Permeability and Production Responses J.D. Harkrider, W.W. Aud, J.O. Whittington .....	119

Selection of Long Interval Limited-entry or Point-Source Stimulation Treatments: A review of Historic Data and an Economic Comparison  
John Sutton.....131

**III. Economic Minerals**

Diamond Exploration Potential of the Wyoming Craton, Western United States, USA  
W. Dan Hausal, Richard E. Kucera, Tom E. McCandless, and Robert W. Gregory .....139

Fifty Years of Wyoming Trona Mining  
Ray E. Harris .....177