new geologic concepts; and (4) boundaries between communication barriers, *i.e.*, intercompany, intracompany, government *versus* industry, communication breakdown between explorationists and their management, and between research and exploration organizations. The structural and stratigraphic papers, especially, will emphasize the regional aspects. The regional settings, provenance, depositional environment, and related facies will be presented without particular regard to present geographical boundaries. In addition to papers dealing with stratigraphy, structure, and oil exploration problems, talks dealing with lunar geology, the use of nuclear explosives in oil and gas production, natural steam resources, oil-field fires, tar sands, oil shale, coal, and uranium will be presented.

One field trip on October 8 will be conducted through the Casper Mountain-Alcova area south of Casper. This trip will illustrate the structure and stratigraphy of formations ranging in age from Precambrian through Late Cretaceous.

The keynote address will be given by THOMAS D. BARROW, Vice President and member of the Board of Directors of Humble Oil and Refining Co. JOHN B. CARRIER, Champlin Petroleum Co., Casper, is president of the Rocky Mountain Section. JOHN S. RUNGE, Independent, Casper, is general convention chairman, and ROBERT H. STEED, Marathon Oil Co., Casper, is program chairman. Following is a tentative program summary.

TECHNICAL PROGRAM SUMMARY

MONDAY, OCTOBER 9, 1967

1. Keynote address, by THOMAS D. BARROW
2. President's address, by JOHN B. CARRIER
3. Exploration management, ESP or IBM?, by JACK HENDRICKSON
4. Western cordillera—Alaska to Mexico, by ARMAND J. EARDLEY
5. Regional Precambrian tectonics and stratigraphy of Rocky Mountains with emphasis on Wyoming province, by ROBERT S. HOUSTON
6. Habitat of oil in Rockies, by WILLIAM CURRY, III
7. Use of nuclear explosives in oil and gas production, by H. F. COFFER, H. E. GRIER, AND H. H. ARONSON
8. Cambrian history of western United States, by ALLISON R. PALMER
9. Contribution of computers to exploration—management viewpoint, by J. EDWARD GREEN
10. Computer as aid to geologic communication, by ROBERT W. MEADER
11. Quantitative environmental analysis of a Lower Cretaceous reef complex, by L. S. GRIFFITH, MAX G. PITCHER, AND G. W. RICE
12. Geology of the Moon (based on satellite photographs), by N. JAMES CLINTON

TUESDAY, OCTOBER 10, 1967

13. Pre-Pennsylvanian—post-Cambrian geology of Cordilleran trough, by RALPH LANGENHEIM, JR.
14. Regional Ordovician stratigraphy of Rocky Mountain region, by J. R. PATTERSON
15. Devonian geology of Canada, Montana, and Wyoming, by GORDON BASSETT AND JOHN STOUT
16. Middle Devonian facies relation, Zama area—Alberta, Canada, by JOHN MCCAMIS AND L. S. GRIFFITH
17. Devonian-Mississippian stratigraphy of western Mid-Continent area, by EDWIN D. GOEBEL AND PAUL L. HILPMAN
18. Isotasy and overthrusting in western Wyoming, by GARY W. CROSBY
19. Spectacular oil-field fires, by RED ADAIR
20. Geothermal energy, by MERRILL J. REYNOLDS
21. Mississippian geology of Canada and Williston basin, by GEORGE MACAULEY
22. Mississippian and Pennsylvanian stratigraphy in middle and southern Rocky Mountains, by WILLIAM W. MALLORY
23. Pennsylvanian geology of western Mid-Continent, by DONALD C. SWANSON
24. Exploration progress in Alaska, by N. N. REQUIST
25. Breaking geological communication barriers, by JOHN W. ROLD
26. An astronaut

WEDNESDAY, OCTOBER 11, 1967

27. Future role of Rocky Mountain coal, by PAUL AVERITT
28. Permian System of southern Rocky Mountains and surrounding provinces, by JAMES A. MOMPER
29. Bank-to-basin transition in Permian (Leonardian) carbonates, Guadalupe Mountains, Texas, by PAUL N. MCDANIEL AND LLOYD C. PRAY
30. Triassic-Jurassic of Alberta, Saskatchewan, Manitoba, Montana, and North Dakota, by C. E. CARLSON AND H. A. GIBSON
31. Jurassic and Triassic of Wyoming and southern Rockies, by GEORGE N. PIPIRINGOS
32. Lower Cretaceous of Montana, North Dakota, and Canada, by R. A. RUDKIN
33. Lower Cretaceous of Wyoming and southern Rockies, by ROBERT G. YOUNG
34. Marine and channel sandstones in Lower Cretaceous of D-J basin, by JOHN HARMS AND FRANK EXUM
35. Geology of Canadian heavy oil sands, by L. W. VIGRASS
36. Bituminous sandstone deposits of Utah, by HOWARD RITZMA
37. Rates of sedimentation and intrabasin deformation, Upper Cretaceous, Rocky Mountain region, by ROBERT J. WEIMER
38. Tertiary Fort Union Formation of northern Rockies, by W. A. SEARS, JR., AND JOHN J. SULLIVAN
39. Tertiary Wasatch-Green River Formations of western Wyoming, Utah, and western Colorado—oil and gas, by ROBERT MCDONALD
40. Eocene Green River Formation—multiple mineral resource, by W. C. CULBERTSON, J. R. DYNI, AND D. A. BROBST
41. Tertiary Wind River Formation—uranium resources and geology, by R. D. ADAMSON

ABSTRACTS

RED ADAIR

SPECTACULAR OIL-FIELD FIRES

(No abstract submitted)

R. D. ADAMSON, Homestake Mining Co., Casper, Wyoming

TERTIARY WIND RIVER FORMATION—URANIUM RESOURCES AND GEOLOGY

Sedimentary rocks of the Wind River Formation of early Eocene age and its equivalents (Battle Springs and Wasatch Formations) are the host rock for at