The Arctic is still in an early exploratory phase, with relatively few test bores for such a vast territory. It is considered to be a proven oil province, and most of the logistical problems have been solved. On this basis, probability figures for discoverable reserves are a standard tactic sufficiently realistic for planning purposes. Nassichuk's revised statement gives a current viewpoint:

In the regions that Stefansson travelled, the search for oil and gas has continued relentlessly. In the Arctic Islands alone, some 180 wells have been drilled and nineteen are classed as discoveries; ten are gas fields, four oil, and five oil-and-gas. Under anticipated economic conditions several of these are believed to be commercial, although the calculated recoverable reserve is less than a half-billion barrels of oil and 20 trillion cubic feet of gas in total. Undiscovered resources are expected to approximate five billion barrels and more than 100 trillion cubic feet. Greater potentialities are likely to lie in the Sverdrup Basin, to the north, where costs are higher. Within the last few years more than 160 wells have been drilled in the Beaufort Sea-Mackenzie Delta area with a discovery of about one billion barrels of oil and 10 trillion cubic feet of gas. This area is expected to contain nearly ten billion barrels and 100 trillion cubic feet yet undiscovered, on the basis of calculated estimates from comparable provinces and conditions known to exist here. That portion to the west of the international boundary with Alaska is virtually untested. The situation has been found to be relatively complex, structurally and stratigraphically. An average of resource estimates released by the National Petroleum Council of the United States gives about six billion onshore and 12 billion offshore for Alaskan Arctic recoverable oil. Comparable gas potential is 22 trillion onshore and 27 trillion offshore.

In the final article of the symposium, "Relation between Barometric Pressure and Geophysics," Terris Moore explores some mysteries of high-latitude surveying. Sea level has been found to be notoriously vague as a precise reference, and because of its oblate form the earth's Pressure and Geophysics," Terris Moore explores some mysteries of

**REVIEWS**


Possibly more so than any other single game species, caribou have predominated in the affairs of northern hunters. Evidence recovered from the Upper Paleolithic caves of ice-age Europe and from Paleolindian camp sites in the New World demonstrate the antiquity of adaptations based on the predation of caribou. Archaeological and ethnographic research in the circumpolar north, from Scandinavia to Siberia and from Alaska to Greenland, readily attest to the central role of caribou in many northern economies. The antiquity and the geographical diversity of caribou-hunting cultures is evident in the variety of hunting techniques and strategies documented.

This volume, an analysis of ethnohistorical and archaeological data pertaining to a caribou-hunting site, Aasivissuit, "The Great Summer Camp," in the interior of West Greenland, represents a major contribution to the literature on the cultural-ecological relationships between caribou hunters and their prey.

In a brief introduction the research at Aasivissuit is framed within a cultural resource preservation paradigm. The research goal was not to excavate the entire site; rather, a meticulous sampling design and small-scale excavations were conducted to determine the occupational history of the site and reveal the changing dynamics of the seasonal exploitation of caribou. Following the introduction there is an encapsulation of the geography, climate, and available resources of interior West Greenland, which serve to define the physical restraints operating on caribou and caribou hunters. The authors conclude their review of caribou biology with a discussion of the dramatic fluctuations that characterize caribou population size. Information is derived from historical sources that reveal periodic radical oscillations in caribou numbers. Climatic change, human predation, and overgrazing of foraging areas are all considered as factors that might contribute to the cyclical decline in caribou population size, but no clear causal relationships are derived. Resolution of this problem would go a long way toward facilitating models of interior hunting adaptations throughout the circumpolar north.

Anthropological research in Greenland, as well as in many parts of the Arctic, has a coastal bias, a reflection of the maritime focus of most native economies. Logistical constraints, and the defending insect hordes of the interior, have kept most researchers bound to navigable waterways and windy shore-side encampments. The authors of this work break from this tradition in presenting a surprisingly vivid view of the inland summertime caribou hunt of the West Greenland Inuit. As a specific case study it provides substantial data for reconstructing settlement-subsistence patterns in prehistoric and historic Inuit society in Greenland. As a model of interdisciplinary research, a tightly composed presentation that builds on data derived from ethnohistorical and ethnographic sources, archaeology, and archaeozoological and environmental analyses, it should serve to encourage similar research elsewhere in the Arctic wherever caribou are a significant prey species.

The study focuses on research at Aasivissuit, a major summer caribou-hunting camp situated approximately halfway between the coast and the inland ice. As prelude to the archaeology, the authors provide a detailed presentation of the interior caribou hunt as derived from historic and ethnographic sources. Inuit drawings (including several by Aron of Kangak, c. 1858) and numerous photographs (1898-1958) are a valuable complement to the text. The authors' review of the ethnohistorical material adopts a broad anthropological perspective: among the topics covered are a discussion of the composition of hunting bands, the roles of women (the interior hunt was a family affair), the factors influencing resource-scheduling decisions, and the social aspects of the caribou hunt (including leadership roles, the acquisition of prestige, and the maintenance of social relationships among members of an otherwise dispersed population). The authors also discuss the nature of the journey from the coast to the interior camp at Aasivissuit and the variety of dwelling types constructed during the caribou hunt. Hunting strategies are presented as dynamic and processual, with considerable variability as a result of both changing ecological factors (principally the size of the caribou population) and the advent of different hunting technologies (use of kayaks, bow and arrows, guns). For the Greenland Inuit, caribou represent an important food source (arctic epicureans will appreciate the references to agornardik, qaqoq assiqaq, and nerukkaq, the later a fermented liver salad made with the contents of caribou stomachs). Equally important were skins for clothing and sleeping robes and antlers for weapon parts.

The archaeological work at Aasivissuit neatly complements the preceding ethnohistorical accounts. The remains of a wide variety of structures, including house features, tent rings, storage cairns, hunting features, stone fox traps, graves and stone alignments (the hopping-
Ethnohistorical records attest to a great deal of variability in the judicious use of ethnography and ethnohistory, as practiced by the resource, caribou are highly desirable and both the archaeological and The Greenlanders never abandoned their primary dependence on relocations. As the basis of a long-term economic adaptation, a rigid indicates that caribou populations are characterized by dramatic fluctu-ations. As the basis of a long-term economic adaptation, a rigid

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