

# LOWER CAMBRIAN FOSSILS FROM NYEBOE LAND, NORTH GREENLAND FOLD BELT

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Reconnaissance mapping and collecting was carried out in the Robeson Channel area of North Greenland during 1965–66 by P. R. Dawes and J. H. Allaart as part of Operation Grant Land. Within the fold belt in Nyeboe Land a major strike fault system separates a northern unit of limestones, slates and sandstones from a less-severely deformed calcareous greywacke and shale sequence of probable Silurian age.

V. Poulsen (1969) established the presence of Middle Cambrian strata in the northern unit on the basis of a small but well-preserved trilobite-brachiopod fauna collected by Dawes in 1966. Recent examination of these collections has, in addition, revealed the presence of Lower Cambrian fossils in north-east Nyeboe Land.

A series of dark limestones and slates exposed about 3 km south-west of Kap Bryant, Nyeboe Land, (GGU Collection 83337), has yielded: fragments of indeterminate olenellid trilobites and *Latouchella* sp.

The Lower Cambrian of North Greenland is best known from the platform section in Inglefield Land (C. Poulsen, 1927, 1946, 1958; V. Poulsen, 1964) but V. Poulsen (in press) has described a new species of *Holmia* from the Buen Formation in southern Peary Land. Strata yielding undescribed faunas of this age are also present in Washington Land and southern Wulff Land (Greenarctic Consortium, personal communication to GGU). The only previous record of Lower Cambrian from the fold belt is in eastern Peary Land where J. C. Troelsen collected a number of shale fragments containing olenellid trilobites from G. B. Schley Fjord. V. Poulsen (in press) has referred these to *Olenellus* cf. *O. svalbardensis*.

Professor Valdemar Poulsen (Institut for historisk Geologi og Palæontologi, Univ. of Copenhagen) has kindly confirmed the trilobite identification.

## References

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