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REGIONAL MAPPING OF THE PRECAMBRIAN BASEMENT IN THE FISKENÆSSET REGION, SOUTHERN WEST GREENLAND

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The systematic mapping of the Fiskenæsset region which began in 1970 (see previous GGU Reports of Activities) was continued in the period June to September. Apart from the author the following geologists took part: C. R. L. Friend (Portsmouth Coll. of Tech.), A. M. Hopgood (Univ. of St. Andrews), D. K. Hutt (Univ. of London), J. S. Myers (GGU), G. A. G. Nunn (Univ. of Liverpool), R. P. E. Poorter (Univ. of Utrecht), T. C. R. Pulvertaft (Univ. of Copenhagen), J. Tonika (Geol. Surv. Prague) and B. F. Windley (Univ. of Leicester). R. K. Herd (Carleton Univ., Ottawa) continued the study of the sapphirine-bearing rocks of the area begun in 1970 and W. F. Fahrig (Geol. Surv. of Canada) visited the area for a shorter period to sample basic dykes for palaeomagnetic and isotopic studies.

The two-man field parties were served by two helicopters and the GGU motor cutters "J. F. Johnstrup" and "Villiaumit" operating from the base-camp Midgaard. As in previous years Ib Olsen (GGU) took care of most of the practical arrangements.

Mapping in most of the area south of Fiskenæsfjorden (between 62°40′N and 63°00′N) has now been finished and mapping in the region between Fiskenæsfjorden and Grædefjord (63°20′N) is in progress.

No essentially new developments in the understanding of the geology of the area have resulted from this summer's field work, but with the help of the mapping, especially of the anorthosite complexes, the complex structural style of the area gradually becomes clearer. Well-preserved igneous structures have again been found at several localities in the anorthosites and associated rocks of the Fiskenæsset complex. Granitic augen gneisses, which cut earlier migmatites but are themselves cut be younger granite material, become more common towards Grædefjord.

For details of the bedrock geology of the Fiskenæsset area, the reader is referred to *Rapp. Grønlands geol. Unders. 51,* 1973, in which papers dealing with different aspects of the regional mapping have been assembled.